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U.S. Terminal Procedures Publication

North Central (NC) Vol 3 of 3

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22 APR 2021

Consult the Change Notice (CN) effective 25 MAR 2021 for revised Instrument Procedure Charts for this volume

Consult NOTAMs for latest information

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TABLE OF CONTENTS

Inoperative Components or Visual Aids Table....A1
Explanation of Terms/Landing Minima Data....B1
General Information....C1
Abbreviations....D1
Legend — IAP Planview....E1
Legend — IAP Profile....F1
Legend — Departure Procedures and Standard Terminal Arrival Charts....G1
Legend — Airport Diagram/Sketch....H1
Legend — Approach Lighting Systems....I1
Frequency Pairing....J1
Index of Terminal Charts and Minimums....K1
IFR Takeoff Minimums, Departure Procedures, and Diverse Vector Area (Radar Vectors)....L1
IFR Alternate Airport Minimums....M1
Radar Minimums....N1
Land and Hold-Short Operations (LAHSO)....O1
Hot Spots....P1
Standard Terminal Arrival Charts....Z1
Terminal Charts....Page 1
Rate of Climb/Descent Table....Inside Back Cover
Area of Coverage....Outside Back Cover

CORRECTIONS, COMMENTS AND/OR PROCUREMENT

FOR CHARTING ERRORS, OR FOR CHANGES, ADDITIONS, RECOMMENDATIONS ON PROCEDURAL ASPECTS CONTACT:
FAA, Aeronautical Information Services
1305 East-West Highway
SSMC 4, Room 3424
Silver Spring, MD 20910
Telephone: 1-800-638-8972
https://www.faa.gov/air_traffic/flight_info/aeronav/aero_data/

For inquiries regarding military charts, please contact aerohelp@nga.mil

FOR PROCUREMENT:
For digital products, visit our website at:
https://www.faa.gov/air_traffic/flight_info/aeronav/digital_products/

For a list of approved FAA Print Providers, visit our website at:
https://www.faa.gov/air_traffic/flight_info/aeronav/print_providers/

Frequently asked questions (FAQ) are answered on our website at https://www.faa.gov/go/ais
See the FAQs prior to contact via toll free number or email.

Request for the creation or revisions to Airport Diagrams should be in accordance with FAA Order 7910.4.

INOP COMPONENTS 19339

INOPERATIVE COMPONENTS OR VISUAL AIDS TABLE
(For Civil Use Only)

Straight-in and Sidestep landing minimums published on instrument approach procedure charts are based on full operation of all components and visual aids (see exception below for ALSF 1 & 2) associated with the particular approach chart being used. Higher minimums are required with inoperative components or visual aids as indicated below. If more than one component is inoperative, each minimum is raised to the highest minimum required by any single component that is inoperative. ILS glideslope inoperative minimums are published on the instrument approach charts as localizer minimums. This table applies to approach categories A thru D and is to be used unless amended by notes on the approach chart. Such notes apply only to the particular approach category(ies) as stated. Category E inoperative notes will be specified when published on civil charts. The inoperative table does not apply to Circling minimums. See legend page for description of components indicated below.

Full Operation Exception: For ALSF 1 & 2 operated as SSALR, or when the sequenced flashing lights are inoperative, there is no effect on visibility for ILS lines of minima.

(1) ILS, PAR, LPV, GLS minima

Inoperative Component or Visual Aid	Increase Visibility
All ALS types (except ODALS)	¼ mile

(2) ILS, LPV, GLS with visibility minima of RVR 1800†/2000*/2200*

Inoperative Component or Visual Aid	Increase Visibility
ALSF 1 & 2, MALSR, SSALR	To RVR 4000† To RVR 4500*
TDZL or RCLS	To RVR 2400#
RVR	To ½ mile

#For ILS, LPV, GLS procedures with a 200 foot HAT, RVR 1800 authorized with use of FD or AP or HUD to DA.

(3) All Approach Types and all lines of minima other than (1) & (2) above

Inoperative Component or Visual Aid	Increase Visibility
ALSF 1 & 2, MALSR, SSALR	½ mile
MALSF, MALS, SSALF, SSALS, SALSF, SALS	¼ mile

(4) Sidestep minima (CAT C-D)

Inoperative Component or Visual Aid to Sidestep Runway	Increase Visibility
ALSF 1 & 2, MALSR, SSALR	½ mile

(5) All Approach Types, All lines of minima

Inoperative Component or Visual Aid	Increase Visibility
ODALS (CAT A-B)	¼ mile
ODALS (CAT C-D)	⅛ mile

INOP COMPONENTS 19339

NC-3, 25 FEB 2021 to 22 APR 2021

TERMS/LANDING MINIMA DATA 20142

IFR LANDING MINIMA

The United States Standard for Terminal Instrument Procedures (TERPS) is the approved criteria for formulating instrument approach procedures. Landing minima are established for six aircraft approach categories (ABCDE and COPTER).
In the absence of COPTER MINIMA, helicopters may use the CAT A minimums of other procedures.

LANDING MINIMA FORMAT

In this example airport elevation is 1179, and runway touchdown zone elevation is 1152.

Visibility (RVR 100's of feet) — DA — Aircraft Approach Category — HAT

CATEGORY	A	B	C	D
S-ILS 27	1352/24		200 (200-½)	
S-LOC 27	1440/24	288	(300-½)	1440/50 288 (300-1)
CIRCLING	1540-1 361 (400-1)	1640-1 461 (500-1)	1640-1½ 461 (500-1½)	1740-2 561 (600-2)

Straight-in ILS to Runway 27

Straight-in with Glide Slope Inoperative or not used to Runway 27

All **weather** minimums in parentheses not applicable to Civil Pilots. Military Pilots refer to appropriate regulations.

MDA — HAA — Visibility in Statute Miles

COPTER MINIMA ONLY

CATEGORY	COPTER
H-176°	680-½ 363 (400-½)

Copter Approach Direction — Height of MDA/DA Above Landing Area (HAL) — No circling minimums are provided

NOTE: The W symbol indicates outages of the WAAS vertical guidance may occur daily at this location due to initial system limitations. WAAS NOTAMS for vertical outages are not provided for this approach. Use LNAV minima for flight planning at these locations, whether as a destination or alternate. For flight operations at these locations, when the WAAS avionics indicate that LNAV/VNAV or LPV service is available, then vertical guidance may be used to complete the approach using the displayed level of service. Should an outage occur during the procedure, reversion to LNAV minima may be required. As the WAAS coverage is expanded, the W will be removed.

RNAV minimums are dependent on navigation equipment capability, as stated in the applicable AFM, AFMS, or other FAA approved document. See AIM paragraph 5-4-5, AC 90-105 and AC 90-107 for detailed requirements for each line of minima.

COLD TEMPERATURE AIRPORTS

NOTE: A ❄-12°C symbol indicates a cold temperature altitude correction is required at this airport when reported temperature is at or below the published temperature. See the following Cold Temperature Error Table to make manual corrections. Advise ATC with altitude correction. Advising ATC with altitude corrections is not required in the final segment. See Aeronautical Information Manual (AIM), Chapter 7, for guidance and additional information. For a complete list, see the "Cold Temperature Airports" link under the Additional Resources heading at the bottom of the following page: http://www.faa.gov/air_traffic/flight_info/aeronav/digital_products/dtpp/search/

COLD TEMPERATURE ERROR TABLE

HEIGHT ABOVE AIRPORT IN FEET

REPORTED TEMP °C	200	300	400	500	600	700	800	900	1000	1500	2000	3000	4000	5000
+10	10	10	10	10	20	20	20	20	20	30	40	60	80	90
0	20	20	30	30	40	40	50	50	60	90	120	170	230	280
-10	20	30	40	50	60	70	80	90	100	150	200	290	390	490
-20	30	50	60	70	90	100	120	130	140	210	280	420	570	710
-30	40	60	80	100	120	140	150	170	190	280	380	570	760	950
-40	50	80	100	120	150	170	190	220	240	360	480	720	970	1210
-50	60	90	120	150	180	210	240	270	300	450	590	890	1190	1500

AIRCRAFT APPROACH CATEGORIES

Aircraft approach category indicates a grouping of aircraft based on a speed of VREF, if specified, or if VREF not specified, 1.3 VSO at the maximum certificated landing weight. VREF, VSO, and the maximum certificated landing weight are those values as established for the aircraft by the certification authority of the country of registry. Helicopters are Category A aircraft. An aircraft shall fit in only one category. When necessary to operate the aircraft at an airspeed in excess of the maximum airspeed of its certified aircraft approach category, pilots should use the applicable higher category minima. For additional options and to ensure the aircraft remains within protected airspace, consult the AIM. See following category limits:

MANEUVERING TABLE

Approach Category	A	B	C	D	E
Speed (Knots)	0-90	91-120	121-140	141-165	Abv 165

TERMS/LANDING MINIMA DATA 20142

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

TERMS/LANDING MINIMA DATA 19339

CIRCLING APPROACH OBSTACLE PROTECTED AIRSPACE

The circling MDA provides vertical obstacle clearance during a circle-to-land maneuver. The circling MDA protected area extends from the threshold of each runway authorized for landing following a circle-to-land maneuver for a distance as shown in the tables below. The resultant arcs are then connected tangentially to define the protected area.

STANDARD CIRCLING APPROACH MANEUVERING RADIUS

Circling approach protected areas developed prior to late 2012 used the radius distances shown in the following table, expressed in nautical miles (NM), dependent on aircraft approach category. The approaches using standard circling approach areas can be identified by the absence of the C symbol on the circling line of minima.

Circling MDA in feet MSL	Approach Category and Circling Radius (NM)				
	CAT A	CAT B	CAT C	CAT D	CAT E
All Altitudes	1.3	1.5	1.7	2.3	4.5

C EXPANDED CIRCLING APPROACH MANEUVERING AIRSPACE RADIUS

Circling approach protected areas developed after late 2012 use the radius distance shown in the following table, expressed in nautical miles (NM), dependent on aircraft approach category, and the altitude of the circling MDA, which accounts for true airspeed increase with altitude. The approaches using expanded circling approach areas can be identified by the presence of the C symbol on the circling line of minima.

Circling MDA in feet MSL	Approach Category and Circling Radius (NM)				
	CAT A	CAT B	CAT C	CAT D	CAT E
1000 or less	1.3	1.7	2.7	3.6	4.5
1001-3000	1.3	1.8	2.8	3.7	4.6
3001-5000	1.3	1.8	2.9	3.8	4.8
5001-7000	1.3	1.9	3.0	4.0	5.0
7001-9000	1.4	2.0	3.2	4.2	5.3
9001 and above	1.4	2.1	3.3	4.4	5.5

Comparable Values of RVR and Visibility

The following table shall be used for converting RVR to ground or flight visibility. For converting RVR values that fall between listed values, use the next higher RVR value; do not interpolate. For example, when converting 4800 RVR, use 5000 RVR with the resultant visibility of 1 mile.

RVR (feet)	Visibility (SM)	RVR (feet)	Visibility (SM)	RVR (feet)	Visibility (SM)	RVR (feet)	Visibility (SM)
1600	¼	2400	½	3500	⅝	5500	1
1800	½	2600	½	4000	¾	6000	1¼
2000	½	3000	⅝	4500	⅞		
2200	½	3200	⅝	5000	1		

RADAR MINIMA

	RWY	GP/TCH/RPI	CAT	DA/ MDA-VIS	HAT HAA	CEIL-VIS	CAT	DA/ MDA-VIS	HAT HAA	CEIL-VIS
PAR	10	2.5°/42/1000	ABCDE	**195**/16	100	(100-¼)				
	28	2.5°/48/1068	ABCDE	**187**/16	100	(100-¼)				
ASR	10		ABC	**560**/40	463	(500-¾)	DE	**560**/50	463	(500-1)
	28		AB	**600**/50	513	(600-1)	CDE	**600**/60	513	(600-1¼)
CIR	10		AB	**560-**1¼	463	(500-1¼)	CDE	**560-**1½	463	(500-1½)
	28		AB	**600-**1¼	503	(600-1¼)	CDE	**600-**1½	503	(600-1½)

Visibility (RVR 100's of feet)

Visibility in Statute Miles

All minimums in parentheses not applicable to Civil Pilots. Military Pilots refer to appropriate regulations.

Radar Minima:

1. Minima shown are the lowest permitted by established criteria. Pilots should consult applicable directives for their category of aircraft.
2. The circling MDA and weather minima to be used are those for the runway to which the final approach is flown- not the landing runway. In the above RADAR MINIMA example, a category C aircraft flying a radar approach to runway 10, circling to land on runway 28, must use an MDA of 560 feet with weather minima of 500-1½.

NOTE: Military RADAR MINIMA may be shown with communications symbology that indicates emergency frequency monitoring capability by the radar facility as follows: (E) VHF and UHF emergency frequencies monitored
(V) VHF emergency frequency (121.5) monitored
(U) UHF emergency frequency (243.0) monitored

Additionally, unmonitored frequencies which are available on request from the controlling agency may be annotated with an "x".

A Alternate Minimums not standard. Civil users refer to tabulation. USA/USN/USAF pilots refer to appropriate regulations.

A NA Alternate minimums are Not Authorized due to unmonitored facility or absence of weather reporting service.

T Airport is published in the Takeoff Minimums, (Obstacle) Departure Procedures, and Diverse Vector Area (Radar Vectors) tabulation.

TERMS/LANDING MINIMA DATA 19339

NC-3, 25 FEB 2021 to 22 APR 2021

GENERAL INFORMATION

This publication is issued every 56 days and includes Standard Instrument Approach Procedures (SIAPS), Standard Instrument Departures (SIDs), Standard Terminal Arrivals (STARs), IFR Takeoff Minimums and (Obstacle) Departure Procedures (ODPs), IFR Alternate Minimums, and Radar Instrument Approach Minimums for use by civil and military aviation. The organization responsible for SIAPs, Radar Minimums, SIDs, STARs and graphic ODPs is identified in parentheses in the top margin of the procedure; e.g., (FAA), (FAA-O), (USA), (USAF), (USN). SIAPS with the (FAA) and (FAA-O) designation are regulated under 14 CFR, Part 97. SIAPs with the (FAA-O) designation have been developed under Other Transaction Agreement (OTA) by private providers and have been certified by the FAA. See 14 CFR, Part 91.175 (a) and the AIM for further details. 14 CFR, Part 91.175 (g) and the Special Notices section of the Chart Supplement contain information on civil operations at military airports.

The FAA uses an internal numbering system on all charts in the TPP. This Approach and Landing (AL) number is located on the top center margin of the chart followed by the organization responsible for the procedure in parentheses, e.g., AL-18 (FAA), AL-227 (USAF).

CHART CURRENCY INFORMATION

Date of Latest Revision 09365

The Date of Latest Revision identifies the Julian date the chart was added or last revised for any reason. The first two digits indicate the year, the last three digits indicate the day of the year (001 to 365/6) in which the latest revision of any kind has been made to the chart.

FAA Procedure Amendment Number → Orig 31DEC09 ← Procedure Amendment Effective Date

FAA Procedure Amendment Number → Amdt 2B 12MAR09 ← Procedure Amendment Effective Date

The FAA Procedure Amendment Number represents the most current amendment of a given procedure. The Procedure Amendment Effective Date represents the AIRAC cycle date on which the procedure amendment was incorporated into the chart. Updates to the amendment number & effective date represent procedural/criteria revisions to the charted procedure, e.g., course, fix, altitude, minima, etc. On Departure Procedures and Standard Terminal Arrivals, procedural revisions to the current chart are indicated by an upnumber to the procedure title with the procedure amendment effective date following. On Radar Minima, Takeoff Minimums and (Obstacle) Departure Procedures and Diverse Vector Areas, the FAA Procedure Amendment Number, Procedure Effective Date, and the Julian Date of Last Revision will be shown on the same line, e.g., AMDT 2 10DEC15 (15344).

MISCELLANEOUS

★ Indicates a non-continuously operating facility, see Chart Supplement.

For Civil (FAA) instrument procedures, "RADAR REQUIRED" in the planview of the chart indicates that ATC radar must be available to assist the pilot when transitioning from the en route environment. "Radar required" in the pilot briefing portion of the chart indicates that ATC radar is required on portions of the procedure outside the final approach segment, including the missed approach. Some military procedures also have equipment requirements such as "Radar Required", but do not conform to the same charting application standards used by the FAA.

Distances are in nautical miles (except visibility in statute miles and Runway Visual Range in hundreds of feet). Runway dimensions are in feet. Elevations are in feet, Mean Sea Level (MSL). Ceilings are in feet above airport elevation. Radials/bearings/headings/courses are magnetic. Horizontal Datum: Unless otherwise noted on the chart, all coordinates are referenced to North American Datum 1983 (NAD 83), which for charting purposes is considered equivalent to World Geodetic System 1984 (WGS 84).

Terrain is scaled within the neat lines (planview boundaries) and does not accurately underlie not-to-scale distance depictions or symbols.

STANDARD TERMINAL ARRIVALS AND DEPARTURE PROCEDURES

The use of the associated codified STAR/DP and transition identifiers are requested of users when filing flight plans via teletype and are required for users filing flight plans via computer interface. It must be noted that when filing a STAR/DP with a transition, the first three coded characters of the STAR and the last three coded characters of the DP are replaced by the transition code. Examples: ACTON SIX ARRIVAL, file (AQN.AQN6); ACTON SIX ARRIVAL, EDNAS TRANSITION, file (EDNAS.AQN6). FREEHOLD THREE DEPARTURE, file (FREH3.RBV), FREEHOLD THREE DEPARTURE, ELWOOD CITY TRANSITION, file (FREH3.EWC).

PROCEDURE PBN/EQUIPMENT REQUIREMENTS

Users will begin to see Performance-Based Navigation (PBN) Requirements and Equipment Requirements on Instrument Approach Procedures (IAPs), RNAV STARS and RNAV DPs prominently displayed in separate, standardized notes boxes. For procedures with PBN elements, the PBN box will contain the procedure's navigation specification(s); and, if required: specific sensors or infrastructure needed for the navigation solution; any additional or advanced functional requirements; the minimum Required Navigation Performance (RNP) value and any amplifying remarks. Items listed in this PBN box are REQUIRED for the procedure's PBN elements. The Equipment Requirements Box will list non-PBN requirements. On charts with both PBN elements and equipment requirements, the PBN requirements box will be listed first. The publication of these notes will continue incrementally until all charts have been amended to comply with the new standard.

IAP PBN/Equipment Requirements Notes Box

PBN Requirements Box →	From WINRZ, LIBGE: RNAV-1 GPS, RNAV-1GPS from MAP to YARKU.
Equipment Requirements Box →	DME required for LOC only.
Standard Procedure Notes Box →	T Circling to Rwy 25 NA at night. #For inop MALSR increase S-ILS 16R all cats visibility to 2½ SM.

RNAV STAR and DP PBN/Equipment Requirements Notes Box

PBN Requirements Box →	RNAV 1 - DME/DME/IRU or GPS
Equipment Requirements Box →	RADAR required

PILOT CONTROLLED AIRPORT LIGHTING SYSTEMS

Available pilot controlled lighting (PCL) systems are indicated as follows:

1. Approach lighting systems that bear a system identification are symbolized using negative symbology, e.g., A1, V, ✿
2. Approach lighting systems that do not bear a system identification are indicated with a negative "L" beside the name.

A star (★) indicates non-standard PCL, consult Chart Supplement, e.g., L★

To activate lights, use frequency indicated in the communication section of the chart with a L or the appropriate lighting system identification e.g., UNICOM 122.8 L, A1, V

KEY MIKE	FUNCTION
7 times within 5 seconds	Highest intensity available
5 times within 5 seconds	Medium or lower intensity (Lower REIL or REIL-off)
3 times within 5 seconds	Lowest intensity available (Lower REIL or REIL-off)

ABBREVIATIONS

AAUP.....Attention All Users Page
ADF..... Automatic Direction Finder
ADIZ..... Air Defense Identification Zone
AFIS.....Automatic Flight Information Service
ALS.....Approach Light System
ALSF..... Approach Light System with Sequenced Flashing Lights
AOB..... At Or Below
AP..... Autopilot System
APCH..... Approach
APP CON..... Approach Control
ARR..... Arrival
ASOS..... Automated Surface Observing System
ASR/PAR..... Published Radar Minimums at this Airport
ASSC..... Airport Surface Surveillance Systems
ATIS.....Automatic Terminal Information Service
AUNICOM.....Automated UNICOM
AWOS.....Automated Weather Observing System
AZ..... Azimuth
BC..... Back Course
BND..... Bound
C..... Circling
CAT..... Category
CCW..... Counter Clockwise
CDI..... Course Deviation Indicator
Chan.....Channel
CIFP..... Coded Instrument Flight Procedures
CIR.....Circling
CLNC DEL..... Clearance Delivery
CNF.....Computer Navigation Fix
CPDLC..... Controller Pilot Data Link Communication
CTAF..... Common Traffic Advisory Frequency
CW.....Clockwise
D-ATIS..... Digital-Automatic Terminal Information Service
DA.....Decision Altitude
DER.....Departure End of Runway
DH.....Decision Height
DME..... Distance Measuring Equipment
DTHR..... Displaced Threshold
DVA..... Diverse Vector Area
ELEV..... Elevation
EMAS..... Engineered Material Arresting System
FAF.....Final Approach Fix
FD.....Flight Director System
FM..... Fan Marker
FMS..... Flight Management System
GBAS..... Ground Based Augmentation System
GCO.....Ground Communications Outlet
GLS..... Ground Based Augmentation System Landing System
GP..... Glidepath
GPI.....Ground Point of Interception
GPS.....Global Positioning System
GS.....Glide Slope
HAA.....Height above Airport
HAL..... Height above Landing
HAT.....Height above Touchdown
HATh..... Height Above Threshold
HCH..... Heliport Crossing Height
HGS.....Head-up Guidance System
HIRL.....High Intensity Runway Lights
HUD.....Head-up Display
IAF.....Initial Approach Fix
ICAO.....International Civil Aviation Organization
IF.....Intermediate Fix
IM..... Inner Marker
INOP..... Inoperative
INT..... Intersection
K..... Knots
KIAS..... Knots Indicated Airspeed
LAAS..... Local Area Augmentation System
LDA..... Localizer Type Directional Aid
Ldg..... Landing
LIRL.....Low Intensity Runway Lights
LNAV.....Lateral Navigation
LOC.....Localizer
LP..... Localizer Performance
LPV..... Localizer Performance with Vertical Guidance
LR..... Lead Radial. Provides at least 2 NM (Copter 1 NM) of lead to assist in turning onto the intermediate/final course.
MAA.....Maximum Authorized Altitude
MALS..... Medium Intensity Approach Light System
MALSF..... Medium Approach Lighting System with Sequenced Flashers
MALSR..... Medium Intensity Approach Light System with RAIL
MAP.....Missed Approach Point
MDA..... Minimum Descent Altitude
MIRL..... Medium Intensity Runway Lights
MM..... Middle Marker
MRA..... Minimum Reception Altitude
N/A..... Not Applicable
NA..... Not Authorized
NDB..... Non-directional Radio Beacon
NM..... Nautical Mile
NoPT..... No Procedure Turn Required (Procedure Turn shall not be executed without ATC clearance)

NC-3, 25 FEB 2021 to 22 APR 2021

ODALS..... Omnidirectional Approach Light System
ODP..... Obstacle Departure Procedure
OM..... Outer Marker
PAR..... Precision Approach Radar
PDC..... Pre-Departure Clearance
PRM..... Precision Runway Monitor
R..... Radial
RA..... Radio Altimeter setting height
RAIL..... Runway Alignment Indicator Lights
RCLS..... Runway Centerline Light System
REIL..... Runway End Identifier Lights
RF..... Radius-to-Fix
RLLS..... Runway Lead-in Light System
RNAV..... Area Navigation
RNP..... Required Navigation Performance
RPI..... Runway Point of Intercept(ion)
RRL..... Runway Remaining Lights
Rwy..... Runway
RVR..... Runway Visual Range
S..... Straight-in
SALS..... Short Approach Light System
SALSF..... Short Approach Lighting System with Sequenced Flashing Lights
SSALF..... Simplified Short Approach Lighting System with Sequenced Flashers
SSALR..... Simplified Short Approach Light System with RAIL
SSALS..... Simplified Short Approach Lighting System
SDF..... Simplified Directional Facility
SM..... Statute Mile
SOIA..... Simultaneous Offset Instrument Approach
SR-SS..... Sunrise-Sunset
TAA..... Terminal Arrival Area
TAC..... TACAN
TCH..... Threshold Crossing Height (height in feet Above Ground level)
TDZ..... Touchdown Zone
TDZE..... Touchdown Zone Elevation
TDZ/CL..... Touchdown Zone and Runway Centerline Lighting
TDZL..... Touchdown Zone Lights
THR..... Threshold
TODA..... Takeoff Distance Available
TORA..... Takeoff Run Available
TR..... Track
VASI..... Visual Approach Slope Indicator
VCOA..... Visual Climb Over Airport
VDP..... Visual Descent Point
VGSI..... Visual Glide Slope Indicator
VNAV..... Vertical Navigation
WAAS..... Wide Area Augmentation System
WP/WPT..... Waypoint (RNAV)

NC-3, 25 FEB 2021 to 22 APR 2021

LEGEND 20086 INSTRUMENT APPROACH PROCEDURES (CHARTS)

PLANVIEW SYMBOLS

TERMINAL ROUTES

Procedure Track

Missed Approach

Visual Flight Path

165°
345°
Procedure Turn
(Type degree and point of turn optional)

3100 NoPT 5.6 NM to GS Intcpt
045°
(14.2 to LOM)
Minimum Route Altitude
2000
155°
Feeder Route
(15.1)
Mileage

HOLDING PATTERNS

Missed Approach
090°
270°

Hold-in-lieu of Procedure Turn
090°
1 min
270°

090°
(IAS)
270°
4 NM

HOLD 8000
Arrival
090°
270°

Holding pattern with max. restricted airspeed:
(175K) applies to all altitudes.
(210K) applies to altitudes above 6000′ to and including 14000′.
Arrival Holding Pattern altitude restrictions will be indicated when they deviate from the adjacent leg.
Timing or distance limits for Hold-in-lieu of Procedure Turn Holding Patterns will be shown.
DME fixes may be shown.

FIXES/ATC REPORTING REQUIREMENTS

Reporting Point
▲ Name (Compulsory)
△ Name (Non-Compulsory)

Intersection

WAYPOINT (Compulsory)

WAYPOINT (Non-Compulsory)

FLYOVER POINT

MAP WP (Flyover)

Computer Navigation Fix (CNF) - No ATC Function
x (NAME) ("x" omitted when it conflicts with runway pattern)

15 DME Distance From Facility

AUSTN INT
ARC/DME/RNAV Fix

R-198 → Radial line and value

LR-198 → Lead Radial

LB-198 → Lead Bearing

ALTITUDES

5500 Mandatory Altitude
2500 Minimum Altitude
4300 Maximum Altitude
3000 Recommended Altitude
5000 Mandatory Block
3000 Altitude

INDICATED AIRSPEED

175K	120K	250K	180K
Mandatory Airspeed	Minimum Airspeed	Maximum Airspeed	Recommended Airspeed

RADIO AIDS TO NAVIGATION

110.1 Underline indicates No Voice transmitted on this frequency

Compulsory:
VOR, VORTAC, DME, VOR/DME, TACAN, NDB, NDB/DME

Non-Compulsory:
VOR, VORTAC, DME, VOR/DME, TACAN, NDB, NDB/DME

LOM/LMM (Compass locator at Outer Marker/Middle Marker)

Marker Beacon

Marker beacons that are not specifically part of the procedure.

Localizer (LOC/LDA) Course
Right side shading- Front course; Left side shading- Back Course

SDF Course

LOC/DME

LOC/LDA/SDF Transmitter
(shown when installation is offset from its normal postion off the end of the runway.)

Primary Navaid with Coordinate Values
LIMA
114.5 LIM
Chan 92
S12°00.80′
W77°07.00′

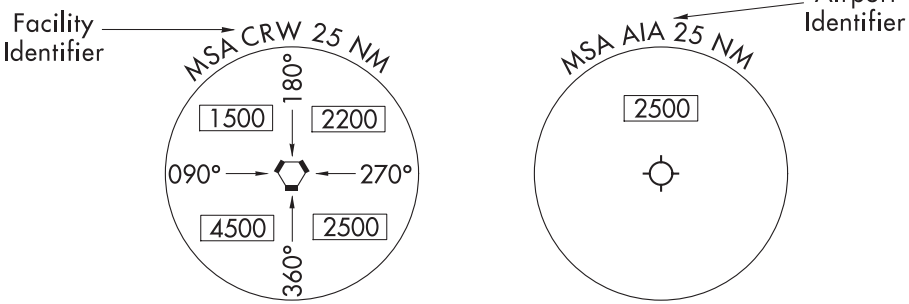
Secondary Navaid
LMM
LIMA
248 NT

SCOTT
Chan 59
SKE
(112.2)
VHF Paired Frequency

NC-3, 25 FEB 2021 to 22 APR 2021

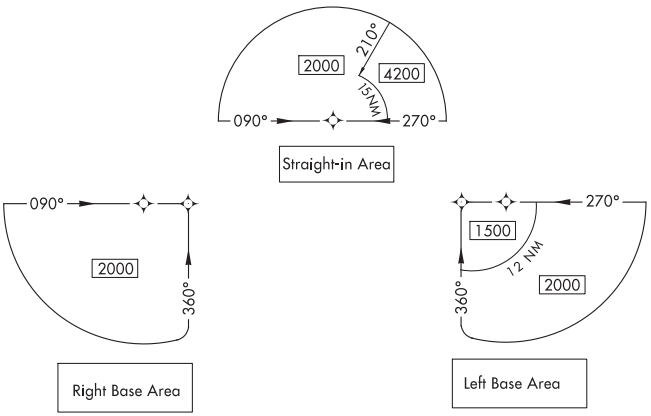
PLANVIEW SYMBOLS

MINIMUM SAFE ALTITUDE (MSA)



(arrows on distance circle identify sectors)

TERMINAL ARRIVAL AREA (TAA)



MISCELLANEOUS

VOR Changeover Point

RWY 15 S12° 00.52′ W77° 06.91′ — End of Rwy Coordinates (DOD only)

Distance not to scale

International Boundary

Air Defense Identification Zone

SPECIAL USE AIRSPACE

R-352

R-Restricted
P-Prohibited
W-Warning
A-Alert

AIRPORTS

Primary and Secondary (named in planview)

Civil

Seaplane Base

Heliport

OBSTACLES

Spot Elevation

Obstacle

Highest Obstacle

Highest Spot Elevation

Group of Obstacles

Doubtful accuracy

NC-3, 25 FEB 2021 to 22 APR 2021

LEGEND 20198

INSTRUMENT APPROACH PROCEDURES (CHARTS)

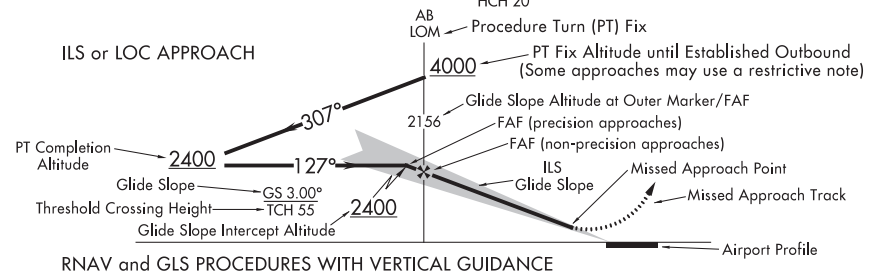
PROFILE VIEW

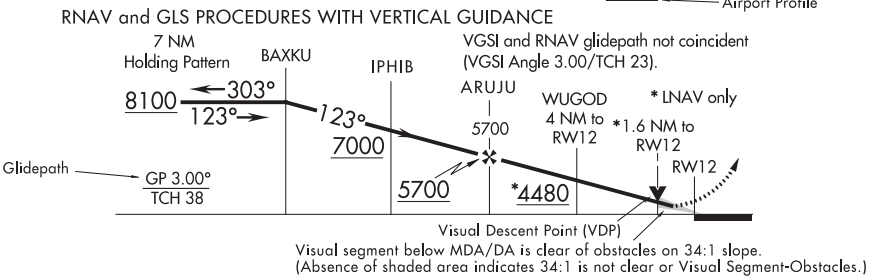
Three different methods are used to depict either electronic or vertical guidance: "GS", "GP", or "VDA".

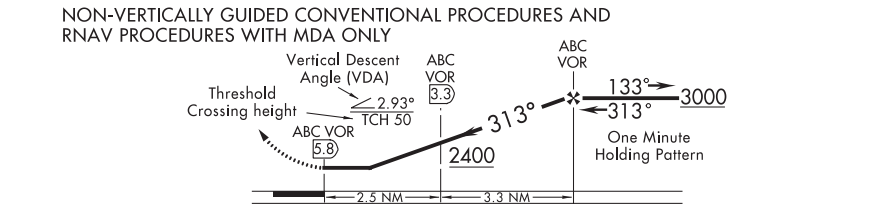
1. "GS" indicates that an Instrument Landing System (ILS) electronic glide slope (a ground antenna) provides vertical guidance. The profile section of ILS procedures depict a GS angle and TCH in the following format: GS 3.00°/TCH 55.

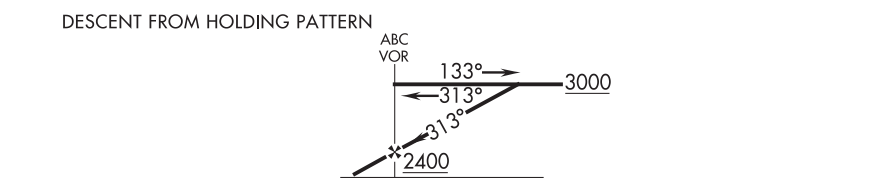
2. "GP" on GLS and RNAV procedures indicates that either electronic vertical guidance (via Wide Area Augmentation System - WAAS or Ground Based Augmentation System - GBAS) or barometric vertical guidance is provided. GLS and RNAV procedures with a published decision altitude (DA/H) depict a GP angle and TCH in the following format: GP 3.00°/TCH 50.

3. An advisory vertical descent angle (VDA) is provided on non-vertically guided conventional procedures and RNAV procedures with only a minimum descent altitude (MDA) to assist in preventing controlled flight into terrain. On Civil (FAA) procedures, this information is placed above or below the procedure track following the fix it is based on. Absence of a VDA or a note that the VDA is not authorized indicates that the prescribed obstacle clearance surface is not clear and the VDA must not be used below MDA. VDA is depicted in the following format: ∠3.00°/TCH 55. On Copter procedures this is depicted in the following format: ∠7.30°/HCH 20.









ALTITUDES

5500	Mandatory Altitude	3000	Recommended Altitude
2500	Minimum Altitude	5000 / 3000	Mandatory Block Altitude
4300	Maximum Altitude		

PROFILE SYMBOLS

- 2400 — Glide Slope/Glidepath Intercept Altitude and final approach fix for vertically guided approach procedures.
- ▼ Visual Descent Point (VDP)
- Visual Flight Path
- Note: Facilities and waypoints are depicted as a solid vertical line while fixes and intersections are depicted as a dashed vertical line.

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

LEGEND 19059

LEGEND
STANDARD TERMINAL ARRIVAL (STAR) CHARTS
DEPARTURE PROCEDURE (DP) CHARTS

Applies to both STAR and DP Charts unless otherwise noted.

RADIO AIDS TO NAVIGATION

Compulsory:

VOR, VORTAC, DME, VOR/DME, TACAN, NDB, NDB/DME

Non-Compulsory:

VOR, VORTAC, DME, VOR/DME, TACAN, NDB, NDB/DME

LMM, LOM (Compass locator)

Marker Beacon

LOC, LOC/DME (shown when installation is offset from its normal position off the end of the runway.) (DP)

Localizer Course

SDF Course

(T) indicates frequency protection range (STAR)

(Y) TACAN must be placed in "Y" mode to receive distance information

Identifier

Frequency

ORLANDO
112.25 (T) ORL
Chan 59 (Y)
N28°32.56′ - W81°20.10′

Geographic Position

L-19, H-5

DME or TACAN Channel

Underline indicates no voice transmitted on this frequency

Enroute Chart Reference

Coordinates

Waypoint Name

PRAYS
N38°58.30′ W89°51.50′
112.7 CAP 187.1°-56.2
590

Frequency

Identifier

Reference Facility Elevation

Radial-Distance (Facility to Waypoint)

FIXES/ATC REPORTING REQUIREMENTS

Reporting Points
N00°00.00′
W00°00.00′

75 DME Mileage (when not obvious)

Fix-Compulsory and

Non-Compulsory Position Report

DME fix

WAYPOINT (Compulsory)

WAYPOINT (Non-Compulsory)

FLYOVER POINT

X Computer Navigation Fix (CNF) - No ATC Function
N00°00.00′
W00°00.00′

ROUTES

4500 MEA-Minimum Enroute Altitude

*3500 MOCA-Minimum Obstruction Clearance Altitude

270° Departure Route - Arrival Route

(65) Mileage between Radio Aids, Reporting Points, and Route Breaks

Transition Route

R-275 Radial line and value

Lost Communications Track

Visual Flight Path (DP)

V12 J80 Airway/Jet Route Identification

DP Holding Pattern (IAS)

STAR Holding Pattern (IAS)

Holding pattern with max. restricted airspeed
(175K) applies to all altitudes
(210K) applies to altitudes above 6000′ to and including 14000′

SPECIAL USE AIRSPACE

R-352

R-Restricted W-Warning
P-Prohibited A-Alert
MOA-Military Operations Area

ALTITUDES

5500	2300	4800
Mandatory Altitude (Cross at)	Minimum Altitude (Cross at or above)	Maximum Altitude (Cross at or below)

15000
12000
Block Altitude

Altitude change at other than Radio Aids (STAR)

INDICATED AIRSPEED

175K	120K	250K
Mandatory Airspeed	Minimum Airspeed	Maximum Airspeed

AIRPORTS

(DP)

H Heliport

Civil, Military, Joint Civil-Military

Airports not served by the procedure shown in screened color (STAR)

Civil, Military, Joint Civil-Military

MISCELLANEOUS

Changeover Point

Distance not to scale (DP)

International Boundary (DP)

Air Defense Identification Zone

T Takeoff Minimums and (Obstacle) Departure Procedures entry published. (DP)

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

LEGEND 19059

19339

LEGEND

INSTRUMENT APPROACH PROCEDURES (CHARTS)

AIRPORT DIAGRAM/AIRPORT SKETCH

Runways

Hard Surface | Other Than Hard Surface | Stopways,Taxiways, Parking Areas | Metal Surface

Closed Runway | Closed Surface | Under Construction | Water Runway

ARRESTING GEAR: Specific arresting gear systems; e.g., BAK12, MA-1A etc., shown on airport diagrams, not applicable to Civil Pilots. Military Pilots refer to appropriate DOD publications.

uni-directional | bi-directional | Jet Barrier

ARRESTING SYSTEM (EMAS)

REFERENCE FEATURES

Displaced Threshold.....
Hot Spot .....
Runway Holding Position Markings.....
Buildings.....
24-Hour Self-Serve Fuel ##.....
Tanks.....
Obstructions.....
Airport Beacon #.....
Runway
Radar Reflectors.....
Control Tower #..... TWR

When Control Tower and Rotating Beacon are co-located, Beacon symbol will be used and further identified as TWR.

A fuel symbol is shown to indicate 24-hour self-serve fuel available, see appropriate Chart Supplement for information.

NOTE:
All new and revised airport diagrams are shown referenced to the World Geodetic System (WGS) (noted on appropriate diagram), and may not be compatible with local coordinates published in FLIP. (Foreign Only)

Runway Weight Bearing Capacity/or PCN Pavement Classification Number is shown as a codified expression. Refer to the appropriate Supplement/Directory for applicable codes e.g., RWY 14-32 PCN 80 F/D/X/U S-75, D-185, 2S-175, 2D-325

Helicopter Alighting Areas

Negative Symbols used to identify Copter Procedures landing point.....

NOTE:
Landmark features depicted on Copter Approach insets and sketches are provided for visual reference only.

Runway TDZ elevation.....TDZE 123

Runway Slope.....0.8% UP ⟵ 0.3% DOWN
(shown when runway slope is greater than or equal to 0.3%)

NOTE:
Runway Slope measured to midpoint on runways 8000 feet or longer.

U.S. Navy Optical Landing System (OLS) "OLS" location is shown because of its height of approximately 7 feet and proximity to edge of runway may create an obstruction for some types of aircraft.

Approach light symbols are shown in the Flight Information Handbook.

Airport diagram scales are variable.

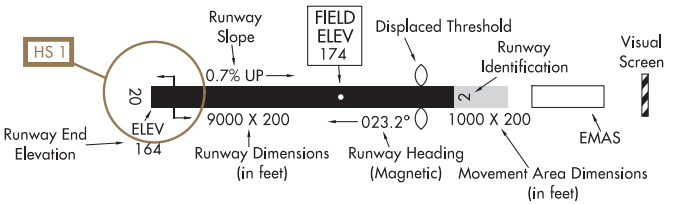
True/magnetic North orientation may vary from diagram to diagram

Coordinate values are shown in 1 or ½ minute increments. They are further broken down into 6 second ticks, within each 1 minute increments.

Positional accuracy within ±600 feet unless otherwise noted on the chart.

Runway length depicted is the physical length of the runway (end-to-end, including displaced thresholds if any) but excluding areas designated as stopways.

A D symbol is shown to indicate runway declared distance information available, see appropriate Chart Supplement for distance information.



SCOPE

Airport diagrams are specifically designed to assist in the movement of ground traffic at locations with complex runway/taxiway configurations. Airport diagrams are not intended to be used for approach and landing or departure operations. For revisions to Airport Diagrams: Consult FAA Order 7910.4.

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

LEGEND 15344

INSTRUMENT APPROACH PROCEDURES (CHARTS)

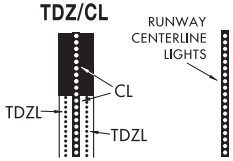
APPROACH LIGHTING SYSTEM - UNITED STATES

Approach lighting and visual glide slope systems are indicated on the airport sketch by an identifier, e.g., A2, V, etc.

A dot " • " portrayed with approach lighting letter identifier indicates sequenced flashing lights (F) installed with the approach lighting system e.g., A1. Negative symbology, e.g., A1, V indicates Pilot Controlled Lighting (PCL).

RUNWAY TOUCHDOWN ZONE AND CENTERLINE LIGHTING SYSTEMS

TDZ/CL

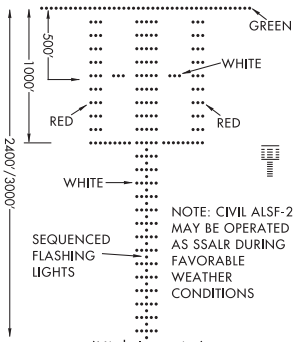


AVAILABILITY of TDZ/CL will be shown by NOTE in SKETCH e.g. "TDZ/CL Rwy 15"

APPROACH LIGHTING SYSTEM

A

ALSF-2



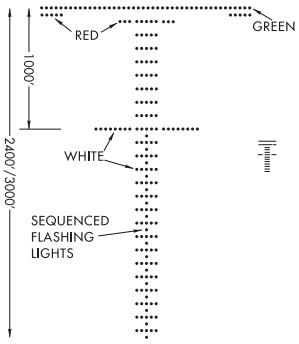
NOTE: CIVIL ALSF-2 MAY BE OPERATED AS SSALR DURING FAVORABLE WEATHER CONDITIONS

(High Intensity)
LENGTH 2400/3000 FEET

APPROACH LIGHTING SYSTEM

A1

ALSF-1



(High Intensity)
LENGTH 2400/3000 FEET

SHORT APPROACH LIGHTING SYSTEM

A2

SALS/SALSF

(High Intensity)

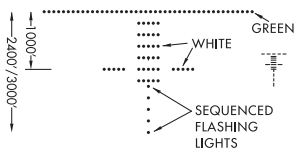
SAME AS INNER 1500' OF ALSF-1

SIMPLIFIED SHORT APPROACH LIGHTING SYSTEM

with Runway Alignment Indicator Lights

A3

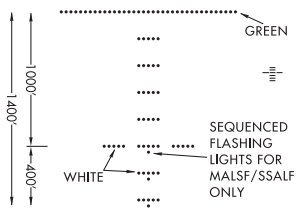
SSALR



(High Intensity)
LENGTH 2400/3000 FEET

MEDIUM INTENSITY (**MALS** and **MALSF**) OR SIMPLIFIED SHORT (**SSALS** and **SSALF**) APPROACH LIGHTING SYSTEMS

A4



LENGTH 1400 FEET

MEDIUM INTENSITY APPROACH LIGHTING SYSTEM

with Runway Alignment Indicator Lights

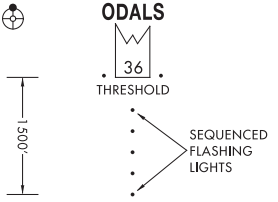
A5

MALSR

SAME LIGHT CONFIGURATION AS SSALR.

OMNIDIRECTIONAL APPROACH LIGHTING SYSTEM

ODALS



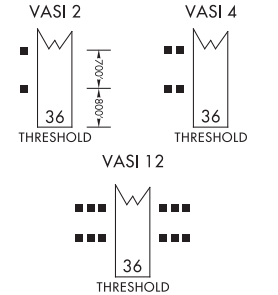
LENGTH 1500 FEET

V VISUAL APPROACH SLOPE INDICATOR

VASI

VISUAL APPROACH SLOPE INDICATOR WITH STANDARD THRESHOLD CLEARANCE PROVIDED.

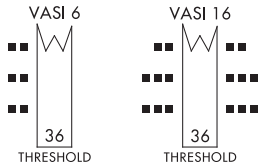
ALL LIGHTS WHITE — TOO HIGH
FAR LIGHTS RED, NEAR LIGHTS WHITE — ON GLIDE SLOPE
ALL LIGHTS RED — TOO LOW



V3 VISUAL APPROACH SLOPE INDICATOR

VASI

3-BAR, 6 OR 16 BOX, VISUAL APPROACH SLOPE INDICATOR THAT PROVIDES 2 GLIDE ANGLES AND 2 THRESHOLD CROSSING HEIGHTS.



NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

LEGEND 15344

LEGEND 18256

INSTRUMENT APPROACH PROCEDURES (CHARTS)

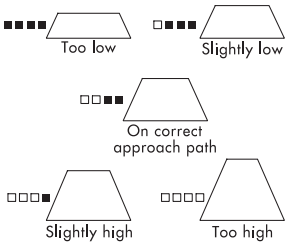
APPROACH LIGHTING SYSTEM - UNITED STATES

Approach lighting and visual glide slope systems are indicated on the airport sketch by an identifier, (A2), (V) etc.

A dot " ● " portrayed with approach lighting letter identifier indicates sequenced flashing lights (F) installed with the approach lighting system e.g., (A1). Negative symbology, e.g., (A1), (V) indicates Pilot Controlled Lighting (PCL).

(P) PRECISION APPROACH PATH INDICATOR

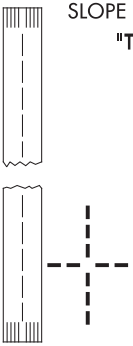
PAPI



Legend: □ White ■ Red

(V1) "T"-VISUAL APPROACH SLOPE INDICATOR

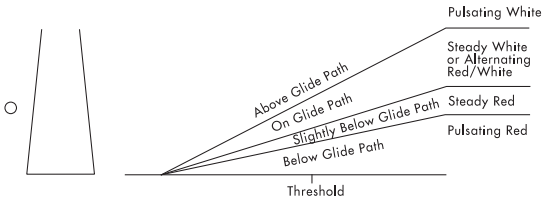
"T"-VASI



"T" ON BOTH SIDES OF RWY ALL LIGHTS VARIABLE WHITE. CORRECT APPROACH SLOPE-ONLY CROSS BAR VISIBLE. UPRIGHT "T"- FLY UP. INVERTED "T"- FLY DOWN. RED "T"- GROSS UNDERSHOOT.

(V2) PULSATING VISUAL APPROACH SLOPE INDICATOR

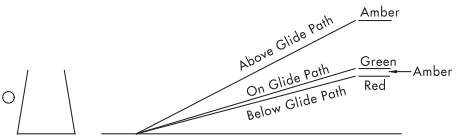
PVASI



CAUTION: When viewing the pulsating visual approach slope indicators in the pulsating white or pulsating red sectors, it is possible to mistake this lighting aid for another aircraft or a ground vehicle. Pilots should exercise caution when using this type of system.

(V4) TRI-COLOR VISUAL APPROACH SLOPE INDICATOR

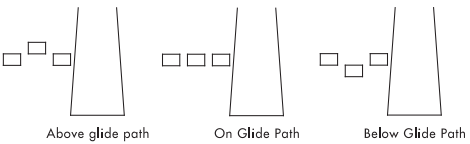
TRCV



CAUTION: When the aircraft descends from green to red, the pilot may see a dark amber color during the transition from green to red.

(V5) ALIGNMENT OF ELEMENTS SYSTEMS

APAP



Painted panels which may be lighted at night. To use the system the pilot positions the aircraft so the elements are in alignment.

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

FREQ PAIRING 20198

FREQUENCY PAIRING TABLE

TACAN CHANNEL	VHF FREQUENCY	TACAN CHANNEL	VHF FREQUENCY	TACAN CHANNEL	VHF FREQUENCY
17Y	108.05	40X	110.30	88Y	114.15
18X	108.10	40Y	110.35	89Y	114.25
18Y	108.15	41Y	110.45	90Y	114.35
19Y	108.25	42X	110.50	91Y	114.45
20X	108.30	42Y	110.55	92Y	114.55
20Y	108.35	43Y	110.65	93Y	114.65
21Y	108.45	44X	110.70	94Y	114.75
22X	108.50	44Y	110.75	95Y	114.85
22Y	108.55	45Y	110.85	96Y	114.95
23Y	108.65	46X	110.90	97Y	115.05
24X	108.70	46Y	110.95	98Y	115.15
24Y	108.75	47Y	111.05	99Y	115.25
25Y	108.85	48X	111.10	100Y	115.35
26X	108.90	48Y	111.15	101Y	115.45
26Y	108.95	49Y	111.25	102Y	115.55
27Y	109.05	50X	111.30	103Y	115.65
28X	109.10	50Y	111.35	104Y	115.75
28Y	109.15	51Y	111.45	105Y	115.85
29Y	109.25	52X	111.50	106Y	115.95
30X	109.30	52Y	111.55	107Y	116.05
30Y	109.35	53Y	111.65	108Y	116.15
31Y	109.45	54X	111.70	109Y	116.25
32X	109.50	54Y	111.75	110Y	116.35
32Y	109.55	55Y	111.85	111Y	116.45
33Y	109.65	56X	111.90	112Y	116.55
34X	109.70	56Y	111.95	113Y	116.65
34Y	109.75	80Y	113.35	114Y	116.75
35Y	109.85	81Y	113.45	115Y	116.85
36X	109.90	82Y	113.55	116Y	116.95
36Y	109.95	83Y	113.65	117Y	117.05
37Y	110.05	84Y	113.75	118Y	117.15
38X	110.10	85Y	113.85	119Y	117.25
38Y	110.15	86Y	113.95		
39Y	110.25	87Y	114.05		

See the Chart Supplement for a complete listing.

FREQ PAIRING 20198

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

INDEX OF TERMINAL CHARTS AND MINIMUMS

NAME PROC SECT PG

A PAUL VANCE FREDERICKTOWN RGNL
---SEE FREDERICKTOWN, MO

ALBIA, IA
ALBIA MUNI(4C8)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 13 1
RNAV (GPS) RWY 31 2

ALGONA, IA
ALGONA MUNI(AXA)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ....M
IAPS ..... RNAV (GPS) RWY 12 3
RNAV (GPS) RWY 30 4
VOR/DME-A 5

AMES, IA
AMES MUNI(AMW)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ....M
IAPS ..... ILS OR LOC RWY 01 6
RNAV (GPS) RWY 01 7
RNAV (GPS) RWY 13 8
RNAV (GPS) RWY 19 9
RNAV (GPS) RWY 31 10
VOR RWY 31 11

ANKENY, IA
ANKENY RGNL(IKV)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ....M
IAPS ..... ILS OR LOC RWY 36 12
RNAV (GPS) RWY 18 13
RNAV (GPS) RWY 22 14
RNAV (GPS) RWY 36 15
AIRPORT DIAGRAM 16

ARTHUR N NEU
---SEE CARROLL, IA

ATLANTIC, IA
ATLANTIC MUNI(AIO)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ....M
IAPS ..... RNAV (GPS) RWY 02 17
RNAV (GPS) RWY 20 18

AUDUBON, IA
AUDUBON COUNTY(ADU)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ....M
IAPS ..... RNAV (GPS) RWY 32 19

AURORA, MO
JERRY SUMNERS SR AURORA MUNI(2H2)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 18 20
RNAV (GPS) RWY 36 21

AVA, MO
AVA BILL MARTIN MEMORIAL(AOV)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 13 22
RNAV (GPS) RWY 31 23
VOR-A 24

BELLE PLAINE, IA
BELLE PLAINE MUNI(TZT)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 18 25
RNAV (GPS) RWY 36 26
VOR-A 27

BLOOMFIELD, IA
BLOOMFIELD MUNI(4K6)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 36 28
NDB RWY 36 29

BOLIVAR, MO
BOLIVAR MUNI(M17)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 18 30
RNAV (GPS) RWY 36 31
VOR/DME RWY 36 32

BOONE, IA
BOONE MUNI(BNW)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ....M
IAPS ..... RNAV (GPS) RWY 15 33
RNAV (GPS) RWY 33 34

BOONVILLE, MO
JESSE VIERTEL MEMORIAL(VER)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 18 35
RNAV (GPS) RWY 36 36
VOR-A 37

BOWLING GREEN, MO
BOWLING GREEN MUNI(H19)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 13 38
RNAV (GPS) RWY 31 39

INDEX OF TERMINAL CHARTS AND MINIMUMS

NAME PROC SECT PG

BRANSON, MO
BRANSON(BBG)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ....M
HOT SPOT ....P
IAPS ..... ILS OR LOC RWY 32 40
RNAV (GPS) RWY 14 41
RNAV (GPS) RWY 32 42
AIRPORT DIAGRAM 43
M GRAHAM CLARK DOWNTOWN(PLK)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 12 44
RNAV (GPS) RWY 30 45

BRANSON WEST, MO
BRANSON WEST MUNI - EMERSON FIELD(FWB)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 03 46
RNAV (GPS) RWY 21 47

BROOKFIELD, MO
NORTH CENTRAL MISSOURI RGNL(MO8)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 18 48
RNAV (GPS) RWY 36 49

BURLINGTON, IA
SOUTHEAST IOWA RGNL(BRL)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ....M
IAPS ..... ILS OR LOC RWY 36 50
RNAV (GPS) RWY 12 51
RNAV (GPS) RWY 30 52
RNAV (GPS) RWY 36 53
VOR RWY 12 54
VOR RWY 30 55
AIRPORT DIAGRAM 56

BUTLER, MO
BUTLER MEMORIAL(BUM)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 18 57
RNAV (GPS) RWY 36 58
VOR-A 59

CABOOL, MO
CABOOL MEMORIAL(TVB)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 21 60

CAMDENTON, MO
CAMDENTON MEMORIAL-LAKE RGNL(OZS)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ....M
IAPS ..... RNAV (GPS) RWY 15 61
RNAV (GPS) RWY 33 62
VOR-A 63

CAMERON, MO
CAMERON MEMORIAL(EZZ)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 17 64
RNAV (GPS) RWY 35 65

CAPE GIRARDEAU, MO
CAPE GIRARDEAU RGNL(CGI)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ....M
HOT SPOT ....P
IAPS ..... ILS OR LOC RWY 10 66
RNAV (GPS) RWY 02 67
RNAV (GPS) RWY 10 68
RNAV (GPS) RWY 20 69
RNAV (GPS) RWY 28 70
LOC BC RWY 28 71
AIRPORT DIAGRAM 72

CAPTAIN BEN SMITH AIRFIELD - MONROE CITY ---SEE MONROE CITY, MO

CARROLL, IA
ARTHUR N NEU(CIN)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ....M
IAPS ..... RNAV (GPS) RWY 13 73
RNAV (GPS) RWY 31 74

CARUTHERSVILLE, MO
CARUTHERSVILLE MEMORIAL(M05)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 18 75
RNAV (GPS) RWY 36 76
VOR/DME RWY 18 77

CASSVILLE, MO
CASSVILLE MUNI(94K)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 09 78
RNAV (GPS) RWY 27 79

CEDAR RAPIDS, IA
THE EASTERN IOWA(CID)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ....M
HOT SPOT ....P
IAPS ..... ILS OR LOC RWY 09 80
ILS OR LOC RWY 27 81
RNAV (GPS) RWY 09 82
RNAV (GPS) RWY 13 83
RNAV (GPS) RWY 27 84
RNAV (GPS) RWY 31 85
AIRPORT DIAGRAM 86

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

INDEX OF TERMINAL CHARTS AND MINIMUMS

NAME PROC SECT PG

CENTERVILLE, IA
CENTERVILLE MUNI(TVK)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 16 87
RNAV (GPS) RWY 34 88

CHARITON, IA
CHARITON MUNI(CNC)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 10 89
RNAV (GPS) RWY 17 90

CHARLES B WHEELER DOWNTOWN
---SEE KANSAS CITY, MO

CHARLES CITY, IA
NORTHEAST IOWA RGNL(CCY)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 12 91
RNAV (GPS) RWY 30 92
LOC RWY 12 93

CHARLESTON, MO
MISSISSIPPI COUNTY(CHQ)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 18 94
RNAV (GPS) RWY 36 95

CHEROKEE, IA
CHEROKEE COUNTY RGNL(CKP)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 18 96
RNAV (GPS) RWY 36 97

CHILLICOTHE, MO
CHILLICOTHE MUNI(CHT)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 14 98
RNAV (GPS) RWY 32 99

CLARINDA, IA
SCHENCK FIELD(ICL)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 02 100
RNAV (GPS) RWY 20 101

CLARION, IA
CLARION MUNI(CAV)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 14 102
RNAV (GPS) RWY 32 103

CLINTON, IA
CLINTON MUNI(CWI)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... ILS OR LOC RWY 03 104
RNAV (GPS) RWY 03 105
RNAV (GPS) RWY 14 106
RNAV (GPS) RWY 21 107
RNAV (GPS) RWY 32 108
VOR/DME RWY 21 109
AIRPORT DIAGRAM 110

CLINTON, MO
CLINTON RGNL(GLY)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 04 111
RNAV (GPS) RWY 18 112
RNAV (GPS) RWY 22 113
RNAV (GPS) RWY 36 114

COLUMBIA, MO
COLUMBIA RGNL(COU)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
LAHSO ..... O
HOT SPOT ..... P
IAPS ..... ILS OR LOC RWY 02 115
RNAV (GPS) RWY 02 116
RNAV (GPS) RWY 13 117
RNAV (GPS) RWY 20 118
RNAV (GPS) RWY 31 119
LOC BC RWY 20 120
VOR RWY 13 121
VOR Y RWY 20 122
VOR Z RWY 20 123
AIRPORT DIAGRAM 124

CORNING, IA
CORNING MUNI(CRZ)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 18 125

COUNCIL BLUFFS, IA
COUNCIL BLUFFS MUNI(CBF)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
HOT SPOT ..... P
IAPS ..... ILS OR LOC RWY 36 126
RNAV (GPS) RWY 14 127
RNAV (GPS) RWY 18 128
RNAV (GPS) RWY 32 129
RNAV (GPS) RWY 36 130
VOR-A 131
AIRPORT DIAGRAM 132

COUNTY MEMORIAL
---SEE NEW MADRID, MO

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

INDEX OF TERMINAL CHARTS AND MINIMUMS

NAME PROC SECT PG

CRESCO, IA
ELLEN CHURCH FIELD(CJJ)
TAKEOFF MINIMUMS L
IAPS ..... GPS RWY 15 133
GPS RWY 33 134

CRESTON, IA
CRESTON MUNI(CSQ)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 16 135
RNAV (GPS) RWY 34 136

CREVE COEUR
---SEE ST LOUIS, MO

CUBA, MO
CUBA MUNI(UBX)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 18 137
RNAV (GPS) RWY 36 138

DAVENPORT, IA
DAVENPORT MUNI(DVN)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... ILS OR LOC RWY 15 139
RNAV (GPS) RWY 03 140
RNAV (GPS) RWY 15 141
RNAV (GPS) RWY 21 142
RNAV (GPS) RWY 33 143
VOR RWY 03 144
VOR RWY 21 145
AIRPORT DIAGRAM 146

DECORAH, IA
DECORAH MUNI(DEH)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 11 147
RNAV (GPS) RWY 29 148

DENISON, IA
DENISON MUNI(DNS)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 12 149
RNAV (GPS) RWY 30 150

DES MOINES, IA
DES MOINES INTL(DSM)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
LAHSO ..... O
HOT SPOT ..... P
IAPS ..... ILS OR LOC RWY 05 151
ILS OR LOC RWY 13 152
ILS OR LOC RWY 31 153
ILS RWY 31 (SA CAT I) 154
ILS RWY 31 (CAT II - III) 155
RNAV (GPS) RWY 05 156
RNAV (GPS) RWY 13 157
RNAV (GPS) RWY 23 158
RNAV (GPS) RWY 31 159
VOR RWY 23 160
AIRPORT DIAGRAM 161
DPS ..... DES MOINES ONE 162

DEXTER, MO
DEXTER MUNI(DXE)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 18 163
RNAV (GPS) RWY 36 164
VOR/DME RWY 36 165

DOWNTOWN
---SEE SPRINGFIELD, MO

DUBUQUE, IA
DUBUQUE RGNL(DBQ)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
LAHSO ..... O
HOT SPOT ..... P
IAPS ..... ILS OR LOC RWY 36 166
RNAV (GPS) RWY 13 167
RNAV (GPS) RWY 18 168
RNAV (GPS) RWY 31 169
RNAV (GPS) RWY 36 170
LOC/DME BC RWY 13 171
LOC RWY 31 172
VOR RWY 13 173
VOR RWY 31 174
VOR RWY 36 175
AIRPORT DIAGRAM 176

EAGLE GROVE, IA
EAGLE GROVE MUNI(EAG)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 13 177
RNAV (GPS) RWY 31 178
VOR/DME-A 179

EAST KANSAS CITY
---SEE GRAIN VALLEY, MO

INDEX OF TERMINAL CHARTS AND MINIMUMS

NAME PROC SECT PG

ELDON, MO
ELDON MODEL AIRPARK(H79)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 18 180
RNAV (GPS) RWY 36 181

ELLEN CHURCH FIELD
---SEE CRESCO, IA

ELTON HENSLEY MEMORIAL
---SEE FULTON, MO

EMMETSBURG, IA
EMMETSBURG MUNI(EGQ)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 13 182
RNAV (GPS) RWY 31 183
NDB RWY 13 184
NDB RWY 31 185

ESTHERVILLE, IA
ESTHERVILLE MUNI(EST)
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 16 186
RNAV (GPS) RWY 34 187

EXCELSIOR SPRINGS, MO
EXCELSIOR SPRINGS MEMORIAL(3EX)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS)-B 188

FAIRFIELD, IA
FAIRFIELD MUNI(FFL)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 18 189
RNAV (GPS) RWY 36 190

FARMINGTON, MO
FARMINGTON RGNL(FAM)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 02 191
RNAV (GPS) RWY 20 192
VOR/DME-A 193

FESTUS, MO
FESTUS MEMORIAL(FES)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS)-A 194

FLOYD W JONES LEBANON
---SEE LEBANON, MO

FOREST CITY, IA
FOREST CITY MUNI(FXY)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 15 195
RNAV (GPS) RWY 33 196
VOR-A 197

FORT DODGE, IA
FORT DODGE RGNL(FOD)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
HOT SPOT ..... P
IAPS ..... ILS OR LOC RWY 06 198
RNAV (GPS) RWY 06 199
RNAV (GPS) RWY 12 200
RNAV (GPS) RWY 24 201
RNAV (GPS) RWY 30 202
VOR/DME RWY 30 203
VOR RWY 12 204
AIRPORT DIAGRAM 205

FORT LEONARD WOOD, MO
WAYNESVILLE-ST ROBERT RGNL FORNEY FIELD (TBN)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
HOT SPOT ..... P
IAPS ..... ILS OR LOC RWY 15 206
RNAV (GPS) RWY 15 207
RNAV (GPS) RWY 33 208
VOR RWY 15 209
VOR RWY 33 210
AIRPORT DIAGRAM 211

FORT MADISON, IA
FORT MADISON MUNI(FSW)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 17 212
RNAV (GPS) RWY 35 213
VOR/DME-A 214

FREDERICKTOWN, MO
A PAUL VANCE FREDERICKTOWN RGNL(H88)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 01 215
RNAV (GPS) RWY 19 216
VOR/DME RWY 01 217
VOR RWY 19 218

FULLER
---SEE MILFORD, IA

INDEX OF TERMINAL CHARTS AND MINIMUMS

NAME PROC SECT PG

FULTON, MO
ELTON HENSLEY MEMORIAL(FTT)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 06 219
RNAV (GPS) RWY 18 220
RNAV (GPS) RWY 24 221
RNAV (GPS) RWY 36 222
VOR-A 223

GEORGE L SCOTT MUNI
---SEE WEST UNION, IA

GIDEON, MO
GIDEON MEMORIAL(M85)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 15 224
RNAV (GPS) RWY 33 225

GOULD PETERSON MUNI
---SEE TARKIO, MO

GRAIN VALLEY, MO
EAST KANSAS CITY(3GV)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 09 226
RNAV (GPS) RWY 27 227

GRAND GLAIZE-OSAGE BEACH
---SEE OSAGE BEACH, MO

GREENFIELD, IA
GREENFIELD MUNI(GFZ)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 07 228
RNAV (GPS) RWY 25 229

GRINNELL, IA
GRINNELL RGNL(GGI)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ....M
IAPS ..... RNAV (GPS) RWY 13 230
RNAV (GPS) RWY 31 231
VOR/DME RWY 31 232

GUTHRIE CENTER, IA
GUTHRIE COUNTY RGNL(GCT)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 18 233
RNAV (GPS) RWY 36 234

HAMPTON, IA
HAMPTON MUNI(HPT)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 17 235
RNAV (GPS) RWY 35 236
VOR/DME RWY 35 237

HANNIBAL, MO
HANNIBAL RGNL(HAE)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 17 238
RNAV (GPS) RWY 35 239
VOR/DME-A 240

HARLAN, IA
HARLAN MUNI(HNR)
TAKEOFF MINIMUMS L
IAPS ..... GPS RWY 15 241
GPS RWY 33 242

HARRISONVILLE, MO
LAWRENCE SMITH MEMORIAL(LRY)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ....M
IAPS ..... RNAV (GPS) RWY 17 243
RNAV (GPS) RWY 35 244

HIGGINSVILLE, MO
HIGGINSVILLE INDUSTRIAL MUNI(HIG)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 16 245
RNAV (GPS) RWY 34 246

HOUSTON, MO
HOUSTON MEMORIAL(M48)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 16 247
RNAV (GPS) RWY 34 248

INDEPENDENCE, IA
JAMES H CONNELL FLD AT INDEPENDENCE MUNI(IIB)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ....M
IAPS ..... RNAV (GPS) RWY 18 249
RNAV (GPS) RWY 36 250

IOWA CITY, IA
IOWA CITY MUNI(IOW)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ....M
IAPS ..... RNAV (GPS) RWY 25 251
RNAV (GPS) RWY 30 252
VOR-A 253

IOWA FALLS, IA
IOWA FALLS MUNI(IFA)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ....M
IAPS ..... RNAV (GPS) RWY 13 254
RNAV (GPS) RWY 31 255

JAMES G WHITING MEMORIAL FIELD
---SEE MAPLETON, IA

JAMES H CONNELL FLD AT INDEPENDENCE MUNI
---SEE INDEPENDENCE, IA

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

INDEX OF TERMINAL CHARTS AND MINIMUMS

NAME PROC SECT PG

JEFFERSON, IA
JEFFERSON MUNI(EFW)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 14 256
RNAV (GPS) RWY 32 257
NDB RWY 32 258

JEFFERSON CITY, MO
JEFFERSON CITY MEMORIAL(JEF)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ....M
IAPS ..... ILS OR LOC RWY 30 259
RNAV (GPS) RWY 12 260
RNAV (GPS) RWY 30 261
AIRPORT DIAGRAM 262

JERRY SUMNERS SR AURORA MUNI
---SEE AURORA, MO

JESSE VIERTEL MEMORIAL
---SEE BOONVILLE, MO

JOPLIN, MO
JOPLIN RGNL(JLN)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ....M
HOT SPOT ....P
IAPS ..... ILS OR LOC RWY 18 263
ILS OR LOC/NDB RWY 13 264
RNAV (GPS) RWY 13 265
RNAV (GPS) RWY 18 266
RNAV (GPS) RWY 31 267
RNAV (GPS) RWY 36 268
LOC BC RWY 31 269
AIRPORT DIAGRAM 270

KAISER/LAKE OZARK, MO
LEE C FINE MEMORIAL(AIZ)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ....M
IAPS ..... RNAV (GPS) RWY 04 271
RNAV (GPS) RWY 22 272
LOC/DME RWY 22 273
VOR RWY 04 274
AIRPORT DIAGRAM 275

KANSAS CITY, MO
CHARLES B WHEELER DOWNTOWN(MKC)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ....M
HOT SPOT ....P
STARS ..... BRAYMER SIX Z5
JHAWK SIX Z11
TYGER SIX Z22
IAPS ..... ILS OR LOC RWY 03 276
ILS OR LOC RWY 19 277
RNAV (GPS) RWY 03 278
RNAV (GPS) RWY 19 279
RNAV (GPS) RWY 21 280
AIRPORT DIAGRAM 281
DPS ..... CHIEF SEVEN 282
LAKES THREE 283
RACER SEVEN 285
ROYAL NINE 286
TIFTO SIX 287
WILDCAT FIVE 288

KANSAS CITY INTL(MCI)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ....M
HOT SPOT ....P
STARS ..... BRAYMER SIX Z5
JHAWK SIX Z11
JSONN ONE (RNAV) Z13
TYGER SIX Z22
IAPS ..... ILS OR LOC RWY 01L 289
ILS OR LOC RWY 01R 290
ILS OR LOC RWY 09 291
ILS OR LOC RWY 19L 292
ILS OR LOC RWY 19R 293
ILS OR LOC RWY 27 294
ILS RWY 01R (SA CAT I) 295
ILS RWY 19R (SA CAT I) 296
ILS RWY 01R (CAT II - III) 297
ILS RWY 19R (CAT II - III) 298
RNAV (RNP) Z RWY 01L 299
RNAV (RNP) Z RWY 01R 300
RNAV (RNP) Z RWY 09 301
RNAV (RNP) Z RWY 19L 302
RNAV (RNP) Z RWY 19R 303
RNAV (RNP) Z RWY 27 304
RNAV (GPS) Y RWY 01L 305
RNAV (GPS) Y RWY 01R 306
RNAV (GPS) Y RWY 09 307
RNAV (GPS) Y RWY 19L 308
RNAV (GPS) Y RWY 19R 309
RNAV (GPS) Y RWY 27 310
AIRPORT DIAGRAM 311
DPS ..... CHIEF SEVEN 312
LAKES THREE 313
RACER SEVEN 314
ROYAL NINE 315
TIFTO SIX 316
WILDCAT FIVE 317

INDEX OF TERMINAL CHARTS AND MINIMUMS

NAME PROC SECT PG

KENNETT, MO
KENNETT MEMORIAL(TKX)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 02 318
RNAV (GPS) RWY 20 319
VOR/DME RWY 20 320

KEOKUK, IA
KEOKUK MUNI(EOK)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ....M
IAPS ..... ILS OR LOC/DME RWY 26 321
RNAV (GPS) RWY 08 322
RNAV (GPS) RWY 14 323
RNAV (GPS) RWY 26 324
RNAV (GPS) RWY 32 325
NDB RWY 14 326

KIRKSVILLE, MO
KIRKSVILLE RGNL(IRK)
TAKEOFF MINIMUMS L
HOT SPOT ....P
IAPS ..... ILS OR LOC/DME RWY 36 327
RNAV (GPS) RWY 18 328
RNAV (GPS) RWY 36 329
VOR-A 330
AIRPORT DIAGRAM 331

KNOB NOSTER, MO
---SEE WHITEMAN AFB

KNOXVILLE, IA
KNOXVILLE MUNI(OXV)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ....M
IAPS ..... RNAV (GPS) RWY 15 332
RNAV (GPS) RWY 33 333

LAMAR, MO
LAMAR MUNI(LLU)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 03 334
RNAV (GPS) RWY 17 335
RNAV (GPS) RWY 35 336

LAMONI, IA
LAMONI MUNI(LWD)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 18 337
RNAV (GPS) RWY 36 338

LAWRENCE SMITH MEMORIAL
---SEE HARRISONVILLE, MO

LE MARS, IA
LE MARS MUNI(LRJ)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ....M
IAPS ..... RNAV (GPS) RWY 18 339
RNAV (GPS) RWY 36 340

LEBANON, MO
FLOYD W JONES LEBANON(LBO)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 18 341
RNAV (GPS) RWY 36 342

LEE C FINE MEMORIAL
---SEE KAISER/LAKE OZARK, MO

LEE'S SUMMIT, MO
LEE'S SUMMIT MUNI(LXT)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ....M
STARS ..... BRAYMER SIX Z5
JHAWK SIX Z11
TYGER SIX Z22
IAPS ..... RNAV (GPS) RWY 11 343
RNAV (GPS) RWY 18 344
RNAV (GPS) RWY 29 345
RNAV (GPS) RWY 36 346
VOR-A 347
AIRPORT DIAGRAM 348
DPS ..... CHIEF SEVEN 349
LAKES THREE 350
RACER SEVEN 351
ROYAL NINE 352
TIFTO SIX 353
WILDCAT FIVE 354

LEWIS COUNTY RGNL
---SEE MONTICELLO, MO

M GRAHAM CLARK DOWNTOWN
---SEE BRANSON, MO

MACON, MO
MACON-FOWER MEMORIAL(K89)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 02 355
RNAV (GPS) RWY 20 356
VOR RWY 02 357

MALDEN, MO
MALDEN RGNL(MAW)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ....M
IAPS ..... RNAV (GPS) RWY 14 358
RNAV (GPS) RWY 18 359
RNAV (GPS) RWY 32 360
RNAV (GPS) RWY 36 361
VOR/DME RWY 14 362

MAPLETON, IA
JAMES G WHITING MEMORIAL FIELD(MEY)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 02 363
RNAV (GPS) RWY 20 364

INDEX OF TERMINAL CHARTS AND MINIMUMS

NAME PROC SECT PG

MAQUOKETA, IA
MAQUOKETA MUNI(OQW)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 15 365
RNAV (GPS) RWY 33 366

MARSHALL, MO
MARSHALL MEMORIAL MUNI(MHL)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 18 367
RNAV (GPS) RWY 36 368

MARSHALLTOWN, IA
MARSHALLTOWN MUNI(MIW)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 13 369
RNAV (GPS) RWY 31 370
VOR RWY 13 371
VOR RWY 31 372

MARYVILLE, MO
NORTHWEST MISSOURI RGNL(EVU)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 14 373
RNAV (GPS) RWY 32 374

MASON CITY, IA
MASON CITY MUNI(MCW)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
HOT SPOT ..... P
IAPS ..... ILS OR LOC RWY 36 375
RNAV (GPS) RWY 18 376
RNAV (GPS) RWY 30 377
RNAV (GPS) RWY 36 378
LOC BC RWY 18 379
VOR RWY 36 380
AIRPORT DIAGRAM 381

MATHEWS MEMORIAL
---SEE TIPTON, IA

MAURICE, IA
SIOUX COUNTY RGNL(SXK)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 17 382
RNAV (GPS) RWY 35 383

MEMPHIS, MO
MEMPHIS MEML(03D)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 12 384
RNAV (GPS) RWY 30 385

MEXICO, MO
MEXICO MEMORIAL(MYJ)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 06 386
RNAV (GPS) RWY 24 387
LOC/DME RWY 24 388
VOR/DME RWY 24 389

MIDWEST NATIONAL AIR CENTER
---SEE MOSBY, MO

MILFORD, IA
FULLER(4D8)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS)-B 390
VOR-A 391

MISSISSIPPI COUNTY
---SEE CHARLESTON, MO

MOBERLY, MO
OMAR N BRADLEY(MBY)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 13 392
RNAV (GPS) RWY 31 393
VOR/DME-A 394

MONETT, MO
MONETT RGNL(HFJ)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 18 395
RNAV (GPS) RWY 36 396

MONROE CITY, MO
CAPTAIN BEN SMITH AIRFIELD - MONROE CITY (K52)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 09 397
RNAV (GPS) RWY 27 398
VOR-A 399

MONTICELLO, IA
MONTICELLO RGNL(MXO)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 15 400
RNAV (GPS) RWY 33 401

MONTICELLO, MO
LEWIS COUNTY RGNL(6M6)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 18 402
RNAV (GPS) RWY 36 403
VOR/DME-A 404

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

INDEX OF TERMINAL CHARTS AND MINIMUMS

NAME PROC SECT PG

MOSBY, MO
MIDWEST NATIONAL AIR CENTER(GPH)
TAKEOFF MINIMUMS L
STARS ..... BRAYMER SIX Z5
JHAWK SIX Z11
TYGER SIX Z22
IAPS ..... ILS OR LOC/DME RWY 18 405
RNAV (GPS) RWY 18 406
RNAV (GPS) RWY 36 407
DPS ..... CHIEF SEVEN 408
LAKES THREE 409
RACER SEVEN 410
ROYAL NINE 411
TIFTO SIX 412
WILDCAT FIVE 413

MOUNT PLEASANT, IA
MOUNT PLEASANT MUNI(MPZ)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 15 414
RNAV (GPS) RWY 33 415

MOUNTAIN GROVE, MO
MOUNTAIN GROVE MEMORIAL(1MO)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 08 416
RNAV (GPS) RWY 26 417

MOUNTAIN VIEW, MO
MOUNTAIN VIEW(MNF)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 10 418
RNAV (GPS) RWY 28 419

MUSCATINE, IA
MUSCATINE MUNI(MUT)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... ILS OR LOC RWY 24 420
RNAV (GPS) RWY 06 421
RNAV (GPS) RWY 12 422
RNAV (GPS) RWY 24 423
RNAV (GPS) RWY 30 424

NEOSHO, MO
NEOSHO HUGH ROBINSON(EOS)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 01 425
RNAV (GPS) RWY 19 426

NEVADA, MO
NEVADA MUNI(NVD)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 02 427
RNAV (GPS) RWY 20 428
VOR-A 429

NEW MADRID, MO
COUNTY MEMORIAL(EIW)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 18 430
RNAV (GPS) RWY 36 431
VOR/DME-A 432

NEWTON, IA
NEWTON MUNI-EARL JOHNSON FIELD(TNU)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... ILS OR LOC RWY 32 433
RNAV (GPS) RWY 14 434
RNAV (GPS) RWY 32 435
VOR RWY 14 436

NORTH CENTRAL MISSOURI RGNL
---SEE BROOKFIELD, MO

NORTHEAST IOWA RGNL
---SEE CHARLES CITY, IA

NORTHWEST MISSOURI RGNL
---SEE MARYVILLE, MO

OELWEIN, IA
OELWEIN MUNI(OLZ)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 13 437

OMAR N BRADLEY
---SEE MOBERLY, MO

OSAGE BEACH, MO
GRAND GLAIZE-OSAGE BEACH(K15)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 14 438
RNAV (GPS) RWY 32 439
VOR RWY 32 440

OSCEOLA, IA
OSCEOLA MUNI(I75)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 18 441
RNAV (GPS) RWY 36 442

OSKALOOSA, IA
OSKALOOSA MUNI(OOA)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 13 443
RNAV (GPS) RWY 31 444
VOR/DME RWY 31 445

NC-3, 25 FEB 2021 to 22 APR 2021

INDEX OF TERMINAL CHARTS AND MINIMUMS

NAME PROC SECT PG

OTTUMWA, IA
OTTUMWA RGNL(OTM)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS .....M
IAPS ..... ILS OR LOC RWY 31 446
RNAV (GPS) RWY 13 447
RNAV (GPS) RWY 31 448
LOC/DME BC RWY 13 449
VOR/DME RWY 13 450
AIRPORT DIAGRAM 451

PELLA, IA
PELLA MUNI(PEA)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS .....M
IAPS ..... RNAV (GPS) RWY 16 452
RNAV (GPS) RWY 34 453
NDB RWY 34 454

PERRY, IA
PERRY MUNI(PRO)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS .....M
IAPS ..... RNAV (GPS) RWY 14 455
RNAV (GPS) RWY 32 456

PERRYVILLE, MO
PERRYVILLE RGNL(PCD)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS .....M
IAPS ..... RNAV (GPS) RWY 02 457
RNAV (GPS) RWY 20 458
VOR-A 459

POCAHONTAS, IA
POCAHONTAS MUNI(POH)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 12 460
RNAV (GPS) RWY 30 461
VOR/DME RWY 30 462
NDB RWY 12 463

POPLAR BLUFF, MO
POPLAR BLUFF RGNL BUSINESS(POF)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 18 464
RNAV (GPS) RWY 36 465

POTOSI, MO
WASHINGTON COUNTY(8WC)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 02 466
RNAV (GPS) RWY 20 467

RED OAK, IA
RED OAK MUNI(RDK)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS .....M
IAPS ..... RNAV (GPS) RWY 05 468
RNAV (GPS) RWY 17 469
VOR/DME-A 470

ROCK RAPIDS, IA
ROCK RAPIDS MUNI(RRQ)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 16 471
RNAV (GPS) RWY 34 472

ROLLA-VICHY, MO
ROLLA NATIONAL(VIH)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS .....M
IAPS ..... RNAV (GPS) RWY 04 473
RNAV (GPS) RWY 22 474
VOR/DME RWY 04 475
VOR RWY 22 476

ROSECRANS MEMORIAL
---SEE ST JOSEPH, MO

SAC CITY, IA
SAC CITY MUNI(SKI)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 18 477
RNAV (GPS) RWY 36 478

ST CHARLES, MO
ST CHARLES COUNTY SMARTT(SET)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS .....M
IAPS ..... RNAV (GPS) RWY 18 479
VOR RWY 18 480

INDEX OF TERMINAL CHARTS AND MINIMUMS

NAME PROC SECT PG

ST JOSEPH, MO
ROSECRANS MEMORIAL(STJ)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
RADAR MINIMUMS ..... N
HOT SPOT ..... P
STARS ..... BRAYMER SIX Z5
JHAWK SIX Z11
TYGER SIX Z22
IAPS ..... ILS OR LOC RWY 35 481
RNAV (GPS) RWY 13 482
RNAV (GPS) RWY 17 483
RNAV (GPS) RWY 31 484
RNAV (GPS) RWY 35 485
LOC BC RWY 17 486
VOR OR TACAN RWY 17 487
VOR OR TACAN RWY 35 488
AIRPORT DIAGRAM 489
DPS ..... CHIEF SEVEN 490
LAKES THREE 491
RACER SEVEN 493
ROYAL NINE 494
TIFTO SIX 495
WILDCAT FIVE 496

ST LOUIS, MO
CREVE COEUR(1H0)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 16 497
RNAV (GPS) RWY 34 498

NAME PROC SECT PG

ST LOUIS, MO
ST LOUIS LAMBERT INTL(STL)
TAKEOFF MINIMUMS L
HOT SPOT ..... P
STARS ..... AARCH TWO (RNAV) Z1
BOOSH THREE (RNAV) Z3
KAYLA THREE (RNAV) Z15
KOOOP ONE Z17
LORLE THREE (RNAV) Z18
RIVRS SIX Z20
VANDALIA TWO Z24
IAPS ..... ILS OR LOC RWY 06 499
ILS OR LOC RWY 11 500
ILS OR LOC RWY 12L 501
ILS OR LOC RWY 12R 502
ILS OR LOC RWY 24 503
ILS OR LOC RWY 29 504
ILS OR LOC RWY 30L 505
ILS OR LOC RWY 30R 506
ILS RWY 11 (CAT II - III) 507
ILS RWY 12L (CAT II - III) 508
ILS RWY 30R (CAT II - III) 509
RNAV (RNP) Z RWY 11 510
RNAV (RNP) Z RWY 12L 511
RNAV (RNP) Z RWY 12R 512
RNAV (RNP) Z RWY 29 513
RNAV (RNP) Z RWY 30L 514
RNAV (RNP) Z RWY 30R 515
RNAV (GPS) RWY 06 516
RNAV (GPS) RWY 24 517
RNAV (GPS) Y RWY 11 518
RNAV (GPS) Y RWY 12L 519
RNAV (GPS) Y RWY 12R 520
RNAV (GPS) Y RWY 29 521
RNAV (GPS) Y RWY 30L 522
RNAV (GPS) Y RWY 30R 523
TACAN RWY 12R 524
TACAN RWY 30L 525
AIRPORT DIAGRAM 526
DPS ..... BERYY FIVE (RNAV) 527
BGOOD FIVE (RNAV) 529
BRAKK FIVE (RNAV) 531
CHUUC FIVE (RNAV) 533
DRUSE FIVE (RNAV) 535
EEMOS FIVE (RNAV) 537
GATEWAY ONE 539
JAHNY FIVE (RNAV) 541
JHART SIX (RNAV) 543
KSHEE FIVE (RNAV) 545
LINDBERGH SEVEN 547
NATCA FIVE (RNAV) 549
OZARK SEVEN 551
PLESS FIVE 552
ROTRY FIVE (RNAV) 553
TEDDD FIVE (RNAV) 555
WHRLI SIX (RNAV) 557

INDEX OF TERMINAL CHARTS AND MINIMUMS

NAME PROC SECT PG

ST LOUIS, MO
SPIRIT OF ST LOUIS(SUS)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
STARS ..... BUUDD THREE (RNAV) Z7
DELMA FOUR (RNAV) Z8
DIRTT TWO (RNAV) Z9
JHAUN ONE (RNAV) Z10
SLVER ONE (RNAV) Z21
IAPS ..... ILS OR LOC RWY 08R 559
ILS OR LOC RWY 26L 560
RNAV (GPS) RWY 08L 561
RNAV (GPS) RWY 08R 562
RNAV (GPS) RWY 26L 563
RNAV (GPS) RWY 26R 564
AIRPORT DIAGRAM 565
DPS ..... GATEWAY ONE 566
LINDBERGH SEVEN 568
OZARK SEVEN 570
PLESS FIVE 571

SALEM, MO
SALEM MEMORIAL(K33)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 17 572
RNAV (GPS) RWY 35 573
VOR-A 574

SCHENCK FIELD
---SEE CLARINDA, IA

SEDALIA, MO
SEDALIA RGNL(DMO)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 18 575
RNAV (GPS) RWY 36 576

SHELDON, IA
SHELDON RGNL(SHL)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 15 577
RNAV (GPS) RWY 33 578

SHENANDOAH, IA
SHENANDOAH MUNI(SDA)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 04 579
VOR/DME RWY 12 580

SIBLEY, IA
SIBLEY MUNI(ISB)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS)-A 581

SIKESTON, MO
SIKESTON MEMORIAL MUNI(SIK)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 03 582
RNAV (GPS) RWY 21 583

SIOUX CITY, IA
SIOUX GATEWAY/BRIGADIER GENERAL BUD DAY FIELD(SUX)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
LAHSO ..... O
HOT SPOT ..... P
IAPS ..... ILS OR LOC RWY 13 584
ILS OR LOC RWY 31 585
RNAV (GPS) RWY 13 586
RNAV (GPS) RWY 18 587
RNAV (GPS) RWY 31 588
RNAV (GPS) RWY 36 589
AIRPORT DIAGRAM 590

SIOUX COUNTY RGNL
---SEE MAURICE, IA

SKYHAVEN
---SEE WARRENSBURG, MO

SOUTHEAST IOWA RGNL
---SEE BURLINGTON, IA

SPENCER, IA
SPENCER MUNI(SPW)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... ILS OR LOC RWY 12 591
RNAV (GPS) RWY 12 592
RNAV (GPS) RWY 18 593
RNAV (GPS) RWY 30 594
RNAV (GPS) RWY 36 595
VOR RWY 30 596

SPIRIT OF ST LOUIS
---SEE ST LOUIS, MO

INDEX OF TERMINAL CHARTS AND MINIMUMS

NAME PROC SECT PG

SPRINGFIELD, MO
DOWNTOWN(3DW)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS)-A 597
RNAV (GPS)-B 598
SPRINGFIELD-BRANSON NATIONAL(SGF)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
HOT SPOT ..... P
IAPS ..... ILS OR LOC RWY 02 599
ILS OR LOC RWY 14 600
RNAV (GPS) RWY 02 601
RNAV (GPS) RWY 14 602
RNAV (GPS) RWY 20 603
RNAV (GPS) RWY 32 604
VOR/DME OR TACAN RWY 02 605
VOR OR TACAN RWY 20 606
AIRPORT DIAGRAM 607

SPRINGFIELD-BRANSON NATIONAL
---SEE SPRINGFIELD, MO

STEELE, MO
STEELE MUNI(M12)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 18 608
RNAV (GPS) RWY 36 609

STOCKTON, MO
STOCKTON MUNI(MO3)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 01 610
RNAV (GPS) RWY 19 611
VOR/DME-A 612

STORM LAKE, IA
STORM LAKE MUNI(SLB)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 17 613
RNAV (GPS) RWY 35 614

SULLIVAN, MO
SULLIVAN RGNL(UUV)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 06 615
RNAV (GPS) RWY 24 616

TARKIO, MO
GOULD PETERSON MUNI(K57)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 18 617
RNAV (GPS) RWY 36 618

THE EASTERN IOWA
---SEE CEDAR RAPIDS, IA

TIPTON, IA
MATHEWS MEMORIAL(8C4)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 11 619
VOR RWY 11 620

TRENTON, MO
TRENTON MUNI(TRX)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 18 621
RNAV (GPS) RWY 36 622

VINTON, IA
VINTON VETERANS MEMORIAL AIRPARK(VTI)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 09 623
RNAV (GPS) RWY 27 624

WARRENSBURG, MO
SKYHAVEN(RCM)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 01 625
RNAV (GPS) RWY 19 626
VOR-A 627

WARSAW, MO
WARSAW MUNI(RAW)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 18 628
RNAV (GPS) RWY 36 629

WASHINGTON, IA
WASHINGTON MUNI(AWG)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 13 630
RNAV (GPS) RWY 18 631
RNAV (GPS) RWY 31 632
RNAV (GPS) RWY 36 633
VOR RWY 36 634

WASHINGTON, MO
WASHINGTON RGNL(FYG)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 15 635
RNAV (GPS) RWY 33 636
VOR-A 637

WASHINGTON COUNTY
---SEE POTOSI, MO

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

INDEX OF TERMINAL CHARTS AND MINIMUMS

NAME PROC SECT PG

WATERLOO, IA
WATERLOO RGNL(ALO)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ....M
LAHSO ....O
HOT SPOT ....P
IAPS ..... ILS OR LOC RWY 12 638
RNAV (GPS) RWY 12 639
RNAV (GPS) RWY 18 640
RNAV (GPS) RWY 30 641
RNAV (GPS) RWY 36 642
LOC BC RWY 30 643
VOR RWY 12 644
VOR RWY 18 645
AIRPORT DIAGRAM 646

WAVERLY, IA
WAVERLY MUNI(C25)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 11 647
RNAV (GPS) RWY 29 648

WAYNESVILLE-ST ROBERT RGNL FORNEY FIELD ---SEE FORT LEONARD WOOD, MO

WEBSTER CITY, IA
WEBSTER CITY MUNI(EBS)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ....M
IAPS ..... RNAV (GPS) RWY 14 649
RNAV (GPS) RWY 32 650
VOR/DME RWY 14 651

WEST PLAINS, MO
WEST PLAINS RGNL(UNO)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ....M
IAPS ..... RNAV (GPS) RWY 18 652
RNAV (GPS) RWY 36 653

WEST UNION, IA
GEORGE L SCOTT MUNI(3Y2)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 17 654
RNAV (GPS) RWY 35 655

WHITEMAN AFB(KSZL)
KNOB NOSTER, MO
TAKEOFF MINIMUMS L
RADAR MINIMUMS ....N
IAPS ..... ILS OR LOC Y RWY 01 656
ILS OR LOC Y RWY 19 657
RNAV (GPS) RWY 01 658
RNAV (GPS) RWY 19 659
TACAN Y RWY 01 660
TACAN Y RWY 19 661
AIRPORT DIAGRAM 662

WINTERSET, IA
WINTERSET MUNI(3Y3)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 14 663
RNAV (GPS) RWY 32 664

IFR TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

Civil Airports and Selected Military Airports

ALL USERS: Airports that have Departure Procedures (DPs) designed specifically to assist pilots in avoiding obstacles during the climb to the minimum enroute altitude, and/or airports that have civil IFR takeoff minimums other than standard, are listed below. Takeoff Minimums and Departure Procedures apply to all runways unless otherwise specified. An entry may also be listed that contains only Takeoff Obstacle Notes. Altitudes, unless otherwise indicated, are minimum altitudes in MSL.

DPs specifically designed for obstacle avoidance are referred to as Obstacle Departure Procedures (ODPs) and are textually described below, or published separately as a graphic procedure. If the ODP is published as a graphic procedure, its name will be listed below, and it can be found in either this volume (civil), or the applicable military volume, as appropriate. Users will recognize graphic obstacle DPs by the term "(OBSTACLE)" included in the procedure title; e.g., TETON TWO (OBSTACLE). If not specifically assigned an ODP, SID, or radar vector as part of an IFR clearance, an ODP may be required to be flown for obstacle clearance, even though not specifically stated in the IFR clearance. When doing so in this manner, ATC should be informed when the ODP being used contains a specified route to be flown, restrictions before turning, and/or altitude restrictions.

Some ODPs, which are established solely for obstacle avoidance, require a climb in visual conditions to cross the airport, a fix, or a NAVAID in a specified direction, at or above a specified altitude. These procedures are called Visual Climb Over Airport (VCOA). To ensure safe and efficient operations, the pilot must verbally request approval from ATC to fly the VCOA when requesting their IFR clearance.

At some locations where an ODP has been established, a diverse vector area (DVA) may be created to allow radar vectors to be used in lieu of an ODP. DVA information will state that headings will be as assigned by ATC and climb gradients, when applicable, will be published immediately following the specified departure procedure.

Graphic DPs designed by ATC to standardize traffic flows, ensure aircraft separation and enhance capacity are referred to as "Standard Instrument Departures (SIDs)". SIDs also provide obstacle clearance and are published under the appropriate airport section. ATC clearance must be received prior to flying a SID.

CIVIL USERS NOTE: Title 14 Code of Federal Regulations Part 91 prescribes standard takeoff rules and establishes takeoff minimums for certain operators as follows: (1) For aircraft, other than helicopters, having two engines or less – one statute mile visibility. (2) For aircraft having more than two engines – one-half statute mile visibility. (3) For helicopters – one-half statute mile visibility. These standard minima apply in the absence of any different minima listed below.

MILITARY USERS NOTE: Civil (nonstandard) takeoff minima are published below. For military takeoff minima, refer to appropriate service directives.

ALBIA, IA

ALBIA MUNI (4C8)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 13SEP18 (18256) (FAA)

TAKEOFF MINIMUMS:

Rwy 31, 400-2¾ or std. w/min. climb of 215' per NM to 1400.

DEPARTURE PROCEDURE:

Rwy 31, climb heading 307° to 1600 before turning right.

TAKEOFF OBSTACLE NOTES:

Rwy 13, trees beginning 44' from DER, 315' right of centerline, up to 1000' MSL.
Vehicles on road beginning 107' from DER, 140' left of centerline, up to 977' MSL.
Tree 964' from DER, 366' right of centerline, 1010' MSL.
Tree 1038' from DER, 477' right of centerline, 1015' MSL.
Crane and trees beginning 1132' from DER, 370' right of centerline, up to 1032' MSL.
Tree 1982' from DER, 207' left of centerline, 1022' MSL.
Tree 2066' from DER, 343' left of centerline, 1036' MSL.
Rwy 31, vehicles on road 47' from DER, 447' right of centerline, 976' MSL.
Vehicles on road and trees beginning 82' from DER, 371' right of centerline, up to 990' MSL.
Trees beginning 405' from DER, 349' right of centerline, up to 1007' MSL.
Tree 759' from DER, 472' right of centerline, 1013' MSL.
Trees beginning 795' from DER, 293' right of centerline, up to 1019' MSL.
Tower 2.0 NM from DER, 3475' left of centerline, 333' AGL/1293' MSL.

ALGONA, IA

ALGONA MUNI (AXA)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4A 20AUG15 (15232) (FAA)

TAKEOFF MINIMUMS:

Rwy 18, 36, NA-Environmental.

TAKEOFF OBSTACLE NOTES:

Rwy 12, trees beginning 16' from DER, 491' left of centerline, up to 100' AGL/1319' MSL.
Rwy 30, trees beginning 16' from DER, 290' left of centerline, up to 100' AGL/1329' MSL.
Vehicle 255' from DER, 449' right of centerline, 15' AGL/1244' MSL.
Trees beginning 3652' from DER, 1352' right of centerline, up to 100' AGL/1329' MSL.

AMES, IA

AMES MUNI (AMW)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 03JUN10 (10154) (FAA)

TAKEOFF MINIMUMS:

Rwy 1, std. w/ a min. climb of 227' per NM to 1800 or 1600-2½ for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 1, climb heading 014° to 1800 before proceeding on course or for climb in visual conditions, cross Ames Muni airport at or above 2400 before proceeding on course.

Rwy 13, climb heading 133° to 2800 before turning right.

Rwy 19, climb on a heading between 198° CW 013° from DER or climb on a heading between 140° CCW 013° from DER.

Rwy 31, climb heading 313° to 1500 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 1, trees beginning 63' from DER, 374' right of centerline, up to 74' AGL/974' MSL.
Trees, and wsk on hanger beginning 906' from DER, 714' left of centerline, up to 77' AGL/1007' MSL.
Terrain at DER, 240' left of centerline, 919' MSL.

Rwy 13, trees, antenna on obstruction light pole and antenna on AWOS beginning 42' from DER, 90' right of centerline, up to 78' AGL/998' MSL.
Terrain beginning 34' from DER, 181' left of centerline, 923' MSL.
Trees beginning 918' from DER, 32' left of centerline, up to 83' AGL/993' MSL.

Rwy 19, trees, poles, road and rod on building beginning 1004' from DER, 407' right of centerline, up to 79' AGL/1059' MSL.

Rwy 31, trees, poles and roads beginning 214' from DER, 103' right of centerline, up to 57' AGL/987' MSL.
Trees, poles and bush beginning 135' from DER, 109' left of centerline, up to 90' AGL/1020' MSL.

ANKENY, IA

ANKENY RGNL (IKV)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 05JAN17 (17005) (FAA)

TAKEOFF MINIMUMS:

Rwy 22, 400-2 or std. w/min. climb of 385' per NM to 1400.

DEPARTURE PROCEDURE:

Rwy 4, climb on heading 042° to 2600 before turning left.

Rwy 18, climbing left turn heading 150° to 2200 before proceeding on course.

Rwy 22, climb on heading 222° to 1900 before turning right.

Rwy 36, climbing right turn heading 050° to intercept TNU VOR/DME R-258 inbound to 3300 before turning westbound.

TAKEOFF OBSTACLE NOTES:

Rwy 4, vehicle on road 196' from DER, crossing centerline, up to 15' AGL/917' MSL.
Trees beginning 773' from DER, 677' right of centerline, up to 958' MSL.
Trees beginning 892' from DER, 96' right of centerline, up to 967' MSL.
Trees beginning 1010' from DER, 32' left of centerline, up to 951' MSL.
Tree 1616' from DER, 252' right of centerline, 975' MSL.
Trees beginning 3639' from DER, 1158' left of centerline, up to 1006' MSL.
Tree 3840' from DER, 121' right of centerline, 1011' MSL.
Tree 4035' from DER, 1344' left of centerline, 1012' MSL.
Tree 4155' from DER, 1142' left of centerline, 1028' MSL.

Rwy 18, REIL 10' from DER, 31' left of centerline, 2' AGL/889' MSL.
REIL 10' from DER, 29' right of centerline, 2' AGL/889' MSL.
Tree 179' from DER, 291' left of centerline, 894' MSL.
Trmsn twr 2606' from DER, 57' left of centerline, 85' AGL/953' MSL.
T-l twrs beginning 2611' from DER, 58' left of centerline, up to 92' AGL/967' MSL.

Rwy 22, REIL 10' from DER, 17' left of centerline, 1' AGL/911' MSL.
Sign 520' from DER, 617' right of centerline, 20' AGL/942' MSL.
Vehicles on rd beginning 868' from DER, crossing centerline, up to 17' AGL/946' MSL.
Sign 1430' from DER, 48' left of centerline, 26' AGL/958' MSL.
Sign 2067' from DER, 398' right of centerline, 46' AGL/993' MSL.
Trmsn towers beginning 5774' from DER, 1675' left of centerline, up to 152' AGL/1074' MSL.
Towers beginning 1.1 NM from DER, 2202' right of centerline, up to 266' AGL/1232' MSL.
T-l towers beginning 1.1 NM from DER, 776' left of centerline, up to 130' AGL/1097' MSL.
Towers beginning 1.2 NM from DER, 604' right of centerline, up to 298' AGL/1250' MSL.

Rwy 36, REIL 8' from DER, 30' left of centerline, 2' AGL/905' MSL.
REIL 9' from DER, 30' right of centerline, 2' AGL/905' MSL.
Trees beginning 1993' from DER, 202' left of centerline, up to 964' MSL.
Trees beginning 2011' from DER, 318' left of centerline, up to 970' MSL.
Tree 2203' from DER, 268' left of centerline, 971' MSL.
Tree 2204' from DER, 205' left of centerline, 974' MSL.

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

ATLANTIC, IA

ATLANTIC MUNI (AIO)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 6A 04JUN09 (09155) (FAA)

TAKEOFF MINIMUMS:

Rwy 2, 300-1½ or std. w/ min. climb of 208' per NM to 1400.

Rwy 12, 400-2½ or std. w/ min. climb of 321' per NM to 1700.

DEPARTURE PROCEDURE:

Rwy 12, climb heading 119° to 1700 before proceeding on course.

Rwy 20, climb heading 198° to 2300 before proceeding on course.

Rwy 30, climb heading 299° to 1900 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 2, terrain beginning 6' from DER, from 654' left of centerline to 433' right of centerline, up to 1175' MSL.
Trees beginning 1210' from DER, 20' right of centerline, up to 75' AGL/1234' MSL.
Trees beginning 2991' from DER, 202' left of centerline, up to 75' AGL/1234' MSL.
Rwy 12, terrain beginning 8' from DER, from 336' left of centerline to 422' right of centerline, up to 1300' MSL.
Trees beginning 2175' from DER, 498' right of centerline, up to 75' AGL/1214' MSL.
Trees beginning 4525' from DER, 422' right of centerline, up to 75' AGL/1354' MSL.
Rwy 20, terrain beginning 72' from DER, from 538' left of centerline to 623' right of centerline, up to 1185' MSL.
Trees beginning 2157' from DER, 44' left of centerline, up to 75' AGL/1234' MSL.
Rwy 30, terrain beginning 100' from DER, from 1615' left of centerline to 758' right of centerline, up to 1293' MSL.

AUDUBON, IA

AUDUBON COUNTY (ADU)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 25FEB21 (21056) (FAA)

TAKEOFF MINIMUMS:

Rwy 14, 300-1¼ or std. w/ min. climb of 245' per NM to 1600.

Rwy 32, 300-1⅛ or std. w/ min. climb of 370' per NM to 1700.

TAKEOFF OBSTACLE NOTES:

Rwy 14, traverse way abeam DER, 492' right of centerline, 1295' MSL.
Trees, poles, traverse way beginning 14' from DER, 137' right of centerline, up to 45' AGL/1319' MSL.
Terrain 22' from DER, 349' left of centerline, 1286' MSL.
Terrain 113' from DER, 496' left of centerline, 1288' MSL.
Terrain 143' from DER, 388' left of centerline, 1292' MSL.
Terrain beginning 200' from DER, 326' left of centerline, up to 1294' MSL.
Vegetation 279' from DER, 502' left of centerline, 1296' MSL.
Building 383' from DER, 491' left of centerline, 16' AGL/1314' MSL.
Traverse way 430' from DER, 602' left of centerline, 1315' MSL.
Building, traverse way beginning 491' from DER, 389' left of centerline, up to 23' AGL/1324' MSL.
Traverse way beginning 635' from DER, 388' left of centerline, up to 1325' MSL.
Poles, traverse way beginning 660' from DER, 281' left of centerline, up to 31' AGL/1332' MSL.
Trees, poles, terrain, traverse way beginning 1011' from DER, 346' left of centerline, up to 1333' MSL.
Poles, terrain, vegetation beginning 1278' from DER, 587' left of centerline, up to 31' AGL/1349' MSL.
Tree 1706' from DER, 630' right of centerline, 1321' MSL.
Terrain beginning 1916' from DER, 715' left of centerline, up to 1350' MSL.
Vegetation beginning 2146' from DER, 781' left of centerline, up to 1368' MSL.
Vegetation, terrain beginning 2240' from DER, 722' left of centerline, up to 1383' MSL.
Trees, terrain, traverse way beginning 3304' from DER, 58' left of centerline, up to 1406' MSL.
Trees beginning 3490' from DER, 16' right of centerline, up to 73' AGL/1396' MSL.
Traverse way 5037' from DER, 1702' left of centerline, 1418' MSL.
Traverse way, terrain beginning 5110' from DER, 1769' left of centerline, up to 1426' MSL.
Building 5903' from DER, 1689' left of centerline, 24' AGL/1432' MSL.
Tree 5915' from DER, 1576' left of centerline, 1441' MSL.
Trees, poles beginning 5981' from DER, 1690' left of centerline, up to 1449' MSL.
Trees beginning 1 NM from DER, 1676' left of centerline, up to 1464' MSL.
Trees beginning 1 NM from DER, 1735' left of centerline, up to 59' AGL/1465' MSL.
Pole 1 NM from DER, 1919' left of centerline, 52' AGL/1450' MSL.
Rwy 32, NAVAID 9' from DER, 78' left of centerline, 1' AGL/1289' MSL.
NAVAID 9' from DER, 76' right of centerline, 3' AGL/1289' MSL.
Vegetation 31' from DER, 235' left of centerline, 1296' MSL.
Pole, general utility, traverse way, vegetation beginning 48' from DER, 146' left of centerline, up to 35' AGL/1330' MSL.
Trees, vegetation, terrain, poles, building beginning 65' from DER, 75' right of centerline, up to 1318' MSL.
Pole, tree beginning 248' from DER, 14' left of centerline, up to 36' AGL/1331' MSL.
Trees, traverse way, pole, terrain beginning 281' from DER, 48' left of centerline, up to 1334' MSL.
Trees, traverse way, buildings beginning 479' from DER, 312' right of centerline, up to 1323' MSL.
Terrain, pole, tree beginning 846' from DER, 111' left of centerline, up to 1343' MSL.
Terrain, traverse way, tree beginning 946' from DER, 7' left of centerline, up to 1356' MSL.
Pole 957' from DER, 483' right of centerline, 62' AGL/1349' MSL.
Terrain, pole, tree beginning 1029' from DER, 12' left of centerline, up to 1360' MSL.
Pole, tree beginning 1036' from DER, 36' right of centerline, up to 63' AGL/1351' MSL.
Vegetation 1120' from DER, 670' left of centerline, 1377' MSL.
Vegetation, tree, terrain beginning 1123' from DER, 225' left of centerline, up to 1378' MSL.
Tree, pole, terrain, building beginning 1507' from DER, 70' left of centerline, up to 1383' MSL.

CON'T

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

AUDUBON, IA (CON'T)

AUDUBON COUNTY (ADU) (CON'T)

Rwy 32 (CON'T), poles, trees, building beginning 1530' from DER, 10' right of centerline, up to 68' AGL/1366' MSL.
Terrain, poles, trees, fences beginning 1643' from DER, 88' left of centerline, up to 1388' MSL.
Tree 2076' from DER, 497' right of centerline, 1369' MSL.
Trees beginning 2167' from DER, 553' right of centerline, up to 1376' MSL.
Trees beginning 2303' from DER, 365' right of centerline, up to 1384' MSL.
Trees beginning 2397' from DER, 984' right of centerline, up to 1385' MSL.
Tree 2452' from DER, 705' right of centerline, 1386' MSL.
Trees beginning 2512' from DER, 545' right of centerline, up to 1387' MSL.
Trees, pole beginning 2539' from DER, 369' right of centerline, up to 1396' MSL.
Trees beginning 3399' from DER, 618' right of centerline, up to 1408' MSL.
Fence, building, terrain beginning 3584' from DER, 1042' left of centerline, up to 6' AGL/1393' MSL.
Tree 3665' from DER, 1399' left of centerline, 1408' MSL.
Trees beginning 3694' from DER, 1004' right of centerline, up to 1415' MSL.
Building, fence, tree beginning 3694' from DER, 1072' left of centerline, up to 31' AGL/1418' MSL.
Trees, stack beginning 3879' from DER, 479' right of centerline, up to 1416' MSL.
Elevator, trees beginning 4816' from DER, 263' right of centerline, up to 127' AGL/1425' MSL.
Tree 5136' from DER, 1687' left of centerline, 1438' MSL.
Tower, tree beginning 5610' from DER, 1611' right of centerline, up to 187' AGL/1544' MSL.

AURORA, MO

JERRY SUMNERS SR AURORA MUNI (2H2)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 01FEB18 (18032) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 18, trees beginning 65' from DER, 252' right of centerline, up to 58' AGL/1469' MSL.
Sign 217' from DER, 406' left of centerline, 1437' MSL.
Road 244' from DER, 502' left of centerline, 1438' MSL.
Trees beginning 291' from DER, 312' right of centerline, up to 1470' MSL.
Tree, road beginning 371' from DER, 316' left of centerline, up to 1445' MSL.
Tree, pole beginning 408' from DER, 251' right of centerline, up to 1473' MSL.
Tree 473' from DER, 491' left of centerline, 1480' MSL.
Tree, road beginning 502' from DER, 29' left of centerline, up to 69' AGL/1504' MSL.
Trees beginning 737' from DER, 45' right of centerline, up to 1482' MSL.
Trees beginning 843' from DER, 43' left of centerline, up to 80' AGL/1511' MSL.
Tree, pole, transmission line beginning 951' from DER, 132' left of centerline, up to 1514' MSL.
Tree 1040' from DER, 143' right of centerline, 61' AGL/1483' MSL.
Trees beginning 1080' from DER, 93' right of centerline, up to 66' AGL/1486' MSL.
Pole, tree beginning 1546' from DER, 282' right of centerline, up to 1494' MSL.
Tree 1601' from DER, 437' right of centerline, 1495' MSL.
Trees beginning 1617' from DER, 235' right of centerline, up to 1497' MSL.
Tree, building, transmission line beginning 1806' from DER, 240' right of centerline, up to 1507' MSL.
Tree 3509' from DER, 520' left of centerline, 71' AGL/1517' MSL.
Rwy 36, trees beginning 35' from DER, 263' left of centerline, up to 1483' MSL.
Tree 42' from DER, 447' right of centerline, 69' AGL/1502' MSL.
Tree, pole, transmission line beginning 117' from DER, 197' right of centerline, up to 72' AGL/1505' MSL.
Trees beginning 244' from DER, 457' left of centerline, up to 1488' MSL.
Tree, pole, sign beginning 506' from DER, 260' left of centerline, up to 1494' MSL.

AVA, MO

AVA BILL MARTIN MEMORIAL (AOV)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 02MAY13 (13122) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 13, trees beginning 182' from DER, 254' left of centerline, up to 100' AGL/1319' MSL.
Multiple buildings, poles and vehicles on road beginning 512' from DER, left and right of centerline, up to 40' AGL/1379' MSL.
Trees beginning 76' from DER, left and right of centerline, up to 100' AGL/1459' MSL.
Rwy 31, trees beginning 5' from DER, 227' right of centerline, up to 100' AGL/1379' MSL.
Trees beginning 210' from DER, 195' left of centerline, up to 100' AGL/1359' MSL.
Trees beginning 850' from DER from left to right of centerline, up to 100' AGL/1339' MSL.

BELLE PLAINE, IA

BELLE PLAINE MUNI (TZT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 05APR12 (12096) (FAA)

TAKEOFF MINIMUMS:

Rwy 36, 400-2 or std. w/ min. climb of 440' per NM to 1200.

TAKEOFF OBSTACLE NOTES:

Rwy 18, multiple trees beginning 142' from DER, left and right of centerline, up to 94' AGL/854' MSL.

Rwy 36, multiple towers, tanks, trees, poles, buildings, grain elevators, and roads beginning 31' from DER, left and right of centerline, up to 174' AGL/954' MSL.

Trees beginning 4901' from DER, 962' right of centerline, up to 93' AGL/954' MSL.

Tower 1.8 NM from DER, 2320' right of centerline, 207' AGL/1097' MSL.

BLOOMFIELD, IA

BLOOMFIELD MUNI (4K6)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 03JUL08 (08185) (FAA)

DEPARTURE PROCEDURE:

Rwy 18, climb runway heading to 1300 before turning.

TAKEOFF OBSTACLE NOTES:

Rwy 18, building 353' from DER, 306' left of centerline, 30' AGL/915' MSL.

BOLIVAR, MO

BOLIVAR MUNI (M17)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 05JUL07 (07186) (FAA)

TAKEOFF MINIMUMS:

Rwy 36, 200-1¼ or std. w/ min. climb of 252' per NM to 1400.

TAKEOFF OBSTACLE NOTES:

Rwy 18, east-west road, vehicle and transmission lines and poles beginning 627' from DER, up to 40' AGL/1138' MSL.

Multiple trees beginning 667' from DER, 6' left of centerline, up to 75' AGL/1148' MSL.

Silo 1059' from DER, 677' left of centerline, 100' AGL/1200' MSL.

Multiple trees beginning 147' from DER, 39' right of centerline, up to 75' AGL/1157' MSL.

Rwy 36, transmission lines and poles beginning 1208' from DER, 189' left of centerline, up to 40' AGL/1137' MSL.

East-west transmission lines and poles beginning 1925' from DER, up to 50' AGL/1165' MSL.

Multiple trees beginning 659' from DER, 58' right of centerline, up to 75' AGL/1201' MSL.

Tree 5471' from DER, 1766' left of centerline, 100' AGL/1269' MSL.

BOONE, IA

BOONE MUNI (BNW)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 6 05DEC19 (19339) (FAA)

TAKEOFF MINIMUMS:

Rwys 2, 22, NA–Environmental.

Rwy 33, 300-1 or std. w/min. climb of 419' per NM to 1400.

TAKEOFF OBSTACLE NOTES:

Rwy 15, lighting 40' from DER, 104' right of centerline, 1141' MSL.

Lighting 40' from DER, 108' left of centerline, 1141' MSL.

Trees beginning 154' from DER, 206' right of centerline, up to 37' AGL/1171' MSL.

Tree 197' from DER, 168' left of centerline, 23' AGL/1156' MSL.

Rwy 33, terrain 73' from DER, 305' right of centerline, 1140' MSL.

Trees, fence beginning 123' from DER, 368' right of centerline, up to 36' AGL/1179' MSL.

Pole 132' from DER, 524' left of centerline, 28' AGL/1168' MSL.

NAVAID, poles, building beginning 297' from DER, 523' left of centerline, up to 1174' MSL.

Trees, poles, vehicles on road, building beginning 348' from DER, 158' right of centerline, up to 1182' MSL.

Poles, buildings, trees, vehicles on road beginning 1084' from DER, 341' right of centerline, up to 1189' MSL.

Trees, poles, tank, building beginning 1086' from DER, 191' left of centerline, up to 1198' MSL.

Trees, pole beginning 1553' from DER, 156' right of centerline, up to 1192' MSL.

Trees, pole beginning 1743' from DER, 654' left of centerline, up to 1201' MSL.

Tree, pole, building beginning 1926' from DER, 53' right of centerline, up to 1203' MSL.

Elevator, trees beginning 2200' from DER, 561' left of centerline, up to 80' AGL/1224' MSL.

Tank 3133' from DER, 1335' right of centerline, 140' AGL/1287' MSL.

BOONVILLE, MO
JESSE VIERTEL MEMORIAL (VER)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 10MAY07 (07130) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 18, multiple trees beginning 368' from DER, 383' left of centerline, up to 80' AGL/761' MSL.
Road and vehicle 1232' from DER, on centerline, 17' AGL/746' MSL.
Multiple trees beginning 500' from DER, 109' right of centerline, up to 80' AGL/786' MSL.
Rwy 36, multiple trees and pole beginning 701' from DER, 67' left of centerline, up to 100' AGL/810' MSL.
Multiple trees beginning 200' from DER, 334' right of centerline, up to 80' AGL/794' MSL.

BOWLING GREEN, MO
BOWLING GREEN MUNI (H19)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 12MAY83 (83132) (FAA)
TAKEOFF MINIMUMS:
Rwy 31, 300-1.

BRANSON, MO
BRANSON (BBG)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 07MAY09 (09127) (FAA)
DEPARTURE PROCEDURE:
Rwy 32, climb heading 323° to 2000 before turning left.
TAKEOFF OBSTACLE NOTES:
Rwy 14, numerous trees beginning 1214' from DER, 4' right of centerline, up to 100' AGL/1449' MSL.
Rwy 32, numerous trees beginning 77' from DER, 452' left of centerline, up to 100' AGL/1289' MSL.

M GRAHAM CLARK DOWNTOWN (PLK)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2A 23JUL15 (15204) (FAA)
TAKEOFF MINIMUMS:
Rwy 30, std. w/min. climb of 244' per NM to 1800 or 1400-3 for climb in visual conditions.
DEPARTURE PROCEDURE:
Rwy 12, climb heading 117° to 1600 before proceeding on course.
Rwy 30, obtain ATC approval for climb in visual conditions when requesting IFR clearance. Climb in visual conditions to cross M Graham Clark downtown airport at or above 2200 before proceeding on course.
TAKEOFF OBSTACLE NOTES:
Rwy 12, trees beginning 796' from DER, 468' right of centerline, up to 50' AGL/989' MSL.

BRANSON WEST, MO
BRANSON WEST MUNI-EMERSON FIELD (FWB)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 15DEC11 (11349) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 3, trees beginning 167' from DER, left and right of centerline, up to 100' AGL/1479' MSL.
Vehicles on road beginning 22' from DER, from 15' left of centerline, up to 15' AGL/1394' MSL.
Vehicle on road 1485' from DER, 615' right of centerline, 15' AGL/1394' MSL.
Rwy 21, trees beginning 230' from DER, left and right of centerline, up to 100' AGL/1419' MSL.
Power lines beginning 2501' from DER, 788' left of centerline, up to 100' AGL/1379' MSL.

BROOKFIELD, MO
NORTH CENTRAL MISSOURI RGNL (MO8)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 31MAR16 (16091) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 18, terrain 2' from DER, 498' left of centerline, 830' MSL.
Fence 3' from DER, 398' left of centerline, 7' AGL/830' MSL.
Poles beginning 889' from DER, 458' left of centerline, up to 29' AGL/855' MSL.
Tree 1358' from DER, 110' left of centerline, 50' AGL/864' MSL.
Trees beginning 1436' from DER, 387' right of centerline, up to 88' AGL/872' MSL.
Tree 2069' from DER, 586' left of centerline, 89' AGL/878' MSL.
Rwy 36, bldg 4' from DER, 428' right of centerline, 18' AGL/858' MSL.
Tree 5' from DER, 152' left of centerline, 15' AGL/847' MSL.
Tree 10' from DER, 162' left of centerline, 17' AGL/848' MSL.
Tree 127' from DER, 202' left of centerline, 30' AGL/856' MSL.
Tree 140' from DER, 203' left of centerline, 33' AGL/859' MSL.
Trees beginning 163' from DER, 208' left of centerline, up to 48' AGL/867' MSL.
Tree 464' from DER, 281' right of centerline, 70' AGL/877' MSL.
Tree 500' from DER, 365' right of centerline, 75' AGL/887' MSL.
CON'T

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

BROOKFIELD, MO (CON'T)

NORTH CENTRAL MISSOURI RGNL (MO8) (CON'T)

Rwy 36 (CON'T), trees beginning 522' from DER, 484' left of centerline, up to 76' AGL/876' MSL.
Trees and pole beginning 541' from DER, 288' right of centerline, up to 84' AGL/891' MSL.
Tree 858' from DER, 647' left of centerline, 86' AGL/878' MSL.
Tree 1478' from DER, 492' right of centerline, 67' AGL/892' MSL.
Trees beginning 1485' from DER, 499' right of centerline, up to 56' AGL/893' MSL.

BURLINGTON, IA

SOUTHEAST IOWA RGNL (BRL)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 20AUG92 (92233) (FAA)

TAKEOFF MINIMUMS:
Rwy 36, 300-1.

DEPARTURE PROCEDURE:
Rwys 30, 36, climb runway heading to 1500 before turning.

BUTLER, MO

BUTLER MEMORIAL (BUM)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 20OCT11 (11293) (FAA)

TAKEOFF MINIMUMS:
Rwy 18, 500-3 or std. w/min. climb of 216'per NM to 1500.

TAKEOFF OBSTACLE NOTES:
Rwy 18, tower 2.5 NM from DER, 1636' right of centerline, 493' AGL/1293' MSL.
Trees beginning at DER, 317' left and right of centerline, up to 100' AGL/992' MSL.
Buildings beginning 44' from DER, 350' right of centerline, up to 19' AGL/910' MSL.
Terrain beginning 31' from DER, 104' left and right of centerline, up to 909' MSL.
Rwy 36, trees beginning 1254' from DER, left and right of centerline, up to 100' AGL/970' MSL.
Vehicle on road beginning at DER, 350' left of centerline, 15' AGL/885' MSL.
Terrain beginning 192' from DER, 37' left and right of centerline, up to 886' MSL.

CABOOL, MO

CABOOL MEMORIAL (TVB)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 08NOV18 (18312) (FAA)

TAKEOFF MINIMUMS:
Rwy 3, 300-1 or std. w/min. climb of 461' per NM to 1600.
Rwy 21, 500-3 or std. w/min. climb of 578' per NM to 1600.

DEPARTURE PROCEDURE:
Rwy 3, climb heading 030° to 1800 before turning right.
Rwy 21, climb heading 210° to 1900 before turning left.

TAKEOFF OBSTACLE NOTES:
Rwy 3, tree 16' from DER, 312' right of centerline, 1242' MSL.
Trees beginning 34' from DER, 189' left of centerline, up to 1258' MSL.
Trees beginning 68' from DER, 255' right of centerline, up to 1271' MSL.
Trees, terrain, pole beginning 182' from DER, 12' right of centerline, up to 103' AGL/1302' MSL.
Trees, traverse way beginning 477' from DER, 11' left of centerline, up to 1267' MSL.
Trees beginning 1478' from DER, 492' left of centerline, up to 1269' MSL.
Trees beginning 1643' from DER, 31' left of centerline, up to 1274' MSL.
Trees beginning 1745' from DER, 13' right of centerline, up to 1309' MSL.
Trees beginning 1815' from DER, 124' left of centerline, up to 78' AGL/1283' MSL.
Trees beginning 2127' from DER, 37' left of centerline, up to 89' AGL/1284' MSL.
Tree 3693' from DER, 1344' right of centerline, 1316' MSL.
Trees beginning 3775' from DER, 1187' right of centerline, up to 1337' MSL.
Trees beginning 3882' from DER, 891' right of centerline, up to 1367' MSL.
Trees beginning 3977' from DER, 933' right of centerline, up to 1376' MSL.
Trees beginning 4074' from DER, 1042' right of centerline, up to 1398' MSL.
Trees, terrain beginning 4345' from DER, 628' right of centerline, up to 1459' MSL.
Trees beginning 5448' from DER, 1796' right of centerline, up to 1372' MSL.
Rwy 21, pole 0' from DER, 200' right of centerline, 1249' MSL.
Trees, traverse way beginning 6' from DER, 41' left of centerline, up to 86' AGL/1298' MSL.
Pole 46' from DER, 373' right of centerline, 1259' MSL.
Trees, building beginning 107' from DER, 286' right of centerline, up to 1277' MSL.
Trees, pole, traverse way beginning 188' from DER, 10' right of centerline, up to 1280' MSL.
Trees, traverse way beginning 342' from DER, 15' left of centerline, up to 1299' MSL.
Trees, terrain beginning 450' from DER, 218' left of centerline, up to 1317' MSL.
Trees, building, pole, traverse way beginning 655' from DER, 346' right of centerline, up to 1299' MSL.
Trees beginning 841' from DER, 271' left of centerline, up to 1337' MSL.
Trees beginning 1341' from DER, 446' left of centerline, up to 1339' MSL.
Trees beginning 1436' from DER, 239' left of centerline, up to 1355' MSL.
Trees, traverse way, pole beginning 1903' from DER, 419' right of centerline, up to 1300' MSL.

CON'T

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

CABOOL, MO (CON'T)

CABOOL MEMORIAL (TVB) (CON'T)

Rwy 21 (CON'T), tree 2101' from DER, 653' left of centerline, 1363' MSL.
Trees beginning 2133' from DER, 337' left of centerline, up to 1374' MSL.
Trees, terrain, pole, antenna beginning 2326' from DER, 58' left of centerline, up to 1377' MSL.
Trees, pole beginning 2549' from DER, 839' right of centerline, up to 1314' MSL.
Trees beginning 3231' from DER, 1156' right of centerline, up to 1320' MSL.
Trees beginning 3551' from DER, 1269' right of centerline, up to 1325' MSL.
Tree 1 NM from DER, 1712' left of centerline, 1379' MSL.
Trees beginning 1 nm from DER, 1542' left of centerline, up to 1400' MSL.
Trees beginning 1.5 NM from DER, 2823' left of centerline, up to 1460' MSL.
Tree 1.9 NM from DER, 2978' left of centerline, 1529' MSL.

CAMERON, MO

CAMERON MEMORIAL (EZZ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 08APR10 (10098) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 17, trees beginning 31' from DER, 287' left of centerline, up to 7' AGL/1024' MSL.
Trees beginning 84' from DER, 428' right of centerline, up to 61' AGL/1041' MSL.
Rwy 35, trees and rising terrain beginning 36' from DER, 113' left of centerline, up to 30' AGL/1077' MSL.
Trees and rising terrain beginning 79' from DER, 119' right of centerline, up to 57' AGL/1105' MSL.
Buildings and stacks beginning 711' from DER, 619' right of centerline, up to 57' AGL/1082' MSL.
Train on railroad tracks 1636' from DER, left and right of centerline, 23' AGL/1085' MSL.

CAMDENTON, MO

CAMDENTON MEMORIAL-LAKE RGNL (OZS)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2A 25JUN15 (15176) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 15, trees beginning 2' from DER, 385' right of centerline, up to 63' AGL/1103' MSL.
Trees beginning 25' from DER, 228' left of centerline, up to 53' AGL/1072' MSL.
Tree 36' from DER, 391' right of centerline, 62' AGL/1102' MSL.
REIL beginning 39' from DER. left and right of centerline, up to 5' AGL/1061' MSL.
Tree 73' from DER, 385' right of centerline, 63' AGL/1103' MSL.
Pole 230' from DER, 502' right of centerline, 38' AGL/1078' MSL.
Vehicles on roadway beginning 88' from DER, 419' right of centerline, up to 15' AGL/1074' MSL.
Tree 1182' from DER, 335' right of centerline 100' AGL/1100' MSL.
Rwy 33, trees beginning 9' from DER, 277' right of centerline, up to 43' AGL/1083' MSL.
REIL 40' from DER, 76' left and right of centerline, 5' AGL/1054' MSL.
Fuel tank 72' from DER, 263' left of centerline, 37' AGL/1077' MSL.
Buildings and poles beginning 142' from DER, 142' left of centerline, 46' AGL/1086' MSL.
Terrain beginning 244' from DER, 371' left of centerline, up to 1062' MSL.
Fence 272' from DER, 258' left of centerline 5' AGL/1059' MSL.
Poles beginning 396' from DER, 398' left of centerline up to 60' AGL/1101' MSL.
Pole 575' from DER, 451' right of centerline, 25' AGL/1070' MSL.
Trees beginning 432' from DER, 130' left of centerline, up to 52' AGL/1112' MSL.
Poles beginning 677' from DER, 65' right of centerline, up to 32' AGL/1072' MSL.
Trees beginning 1507' from DER 515' left of centerline, up to 65' AGL/1122' MSL.
Tree 1925' from DER, 42' right of centerline; 70' AGL/1114' MSL.
Tree 4000' from DER 1138' right of centerline, 100' AGL/1159' MSL.

CAPE GIRARDEAU, MO

CAPE GIRARDEAU RGNL (CGI)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 9 27JUN13 (13178) (FAA)

TAKEOFF MINIMUMS:

Rwy 10, 300-1½ or std. w/min. climb of 250' per NM to 600, or alternatively, with std. takeoff minimums and a normal 200' per NM climb gradient. Takeoff must occur no later than 2100' prior to DER.
Rwy 20, 300-1½ or std. w/min. climb of 305' per NM to 600.

DEPARTURE PROCEDURE:

Rwy 2, climbing right turn heading 060° and CGI VOR/DME R-039 to 2600 before proceeding on course.
Rwy 28, climb on heading 288° to 1200 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 2, sign 31' from DER, 168' right of centerline, 6' AGL/337' MSL.
Bush, fence and trees beginning 3' from DER, 454' left of centerline, up to 17' AGL/348' MSL.
Vehicle on roadway 738' from DER, 678' right of centerline, up to 17' AGL/355' MSL.
Poles, signs, and trees beginning 979' from DER, 27' right of centerline, up to 62' AGL/393' MSL.
Poles beginning 1234' from DER, 296' left of centerline, up to 48' AGL/379' MSL.
Building 2658' from DER, 1186' right of centerline, 104' AGL/439' MSL.
Rwy 10, poles beginning 1394' from DER, 803' left of centerline, up to 45' AGL/381' MSL.
Trees beginning 2576' from DER, 772' right of centerline, up to 89' AGL/425' MSL.

CON'T

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

CAPE GIRARDEAU, MO (CON'T)

CAPE GIRARDEAU RGNL (CGI) (CON'T)

Rwy 10 (CON'T), cranes and trees beginning 3291' from DER, 213' left of centerline, up to 115' AGL/461' MSL.
Trees beginning 4060' from DER, 213' right of centerline, up to 116' AGL/480' MSL.
Trees beginning 4954' from DER, 741' left of centerline, up to 131' AGL/527' MSL.
Rwy 20, signs, bushes and trees beginning 20' from DER, 203' left of centerline, up to 36' AGL, 372' MSL.
Pole and trees beginning 1408' from DER, 369' right of centerline, up to 67' AGL/403' MSL.
Trees beginning 3990' from DER, 510' left of centerline, up to 120' AGL/531' MSL.
Trees beginning 5340' from DER, 360' right of centerline, up to 126' AGL/541' MSL.
Rwy 28, trees beginning 283' from DER, 533' left of centerline, up to 21' AGL/354' MSL.

CARROLL, IA

ARTHUR N NEU (CIN)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 15NOV12 (12320) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 3, REIL 40' from DER, left and right of centerline, 2' AGL/1202' MSL.
Vehicles on road beginning 167' from DER, 417' right of centerline, up to 15' AGL/1219' MSL.
Trees beginning 339' from DER, left and right of centerline, up to 25' AGL/1221' MSL.
Poles beginning 1406' from DER, 271' left of centerline, up to 45' AGL/1250' MSL.
Silos beginning 1583' from DER, 791' left of centerline, up to 60' AGL/1262' MSL.
Rwy 13, building 1483' from DER, 854' left of centerline, 30' AGL/1243' MSL.
Rwy 21, vehicles on road beginning 319' from DER, 238' left of centerline, up to 15' AGL/1215' MSL.
Building 2035' from DER, 1019' right of centerline, 40' AGL/1258' MSL.
Trees beginning 2117' from DER, 722' right of centerline, up to 50' AGL/1351' MSL.
Rwy 31, rising terrain beginning 134' from DER, 295' left of centerline, up to 1213' MSL.
Tree 1112' from DER, 462' left of centerline, 110' AGL/1294' MSL.
Multiple trees beginning 2859' from DER, 214' right of centerline, up to 90' AGL/1333' MSL.
Poles beginning 3150' from DER, 150' right of centerline, up to 45' AGL/1299' MSL.

CARUTHERSVILLE, MO

CARUTHERSVILLE MEMORIAL (M05)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 26MAY16 (16147) (FAA)

TAKEOFF MINIMUMS:

Rwy 36, 300-2 or std. with a min. climb of 256' per NM to 600.

TAKEOFF OBSTACLE NOTES:

Rwy 18: fence beginning 53' from DER, 353' left of centerline, up to 5' AGL/271' MSL.
Stack and buildings beginning 307' from DER, 435' left of centerline, up to 35' AGL/301' MSL.
Building 845' from DER, 532' left of centerline, 59' AGL/324' MSL.
Tree 1030' from DER, 278' left of centerline, 66' AGL/332' MSL.
Trees beginning 1126' from DER, 213' left of centerline, up to 80' AGL/346' MSL.
Trees beginning 1138' from DER, 71' right of centerline, up to 70' AGL/336' MSL.
Rwy 36: poles beginning 169' from DER, 456' right of centerline, up to 29' AGL/296' MSL.
Building 294' from DER, 404' left of centerline, 10' AGL/277' MSL.
Tree 518' from DER, 297' left of centerline, 15' AGL/283' MSL.
Trees and poles beginning 634' from DER, 231' left of centerline, up to 76' AGL/344' MSL.
Poles beginning 635' from DER, 295' right of centerline, up to 33' AGL/301' MSL.
Poles beginning 637' from DER, 234' right of centerline, up to 34' AGL/302' MSL.
Trees, buildings, and poles beginning 676' from DER, 241' left of centerline, up to 84' AGL/351' MSL.
Tree 679' from DER, 286' right of centerline, 49' AGL/317' MSL.
Tree 681' from DER, 516' right of centerline, 68' AGL/336' MSL.
Trees, building, and poles beginning 737' from DER, 6' right of centerline, up to 75' AGL/342' MSL.
Tower 1 NM from DER, 565' right of centerline, 207' AGL/475' MSL.

CASSVILLE, MO

CASSVILLE MUNI (94K)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 22AUG13 (13234) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 9, trees beginning 1487' from DER, 71' right of centerline, up to 71' AGL/1528' MSL.
Trees beginning 1487' from DER, 40' left of centerline, up to 60' AGL/1537' MSL.
Tower 4324' from DER, 1224' left of centerline, 140' AGL/1600' MSL.
Tank 4669' from DER, 1209' left of centerline, 136' AGL/1616' MSL.
Terrain 61' from DER, 275' left of centerline, 1475' MSL.
Poles beginning 311' from DER, 49' right of centerline, up to 43' AGL/1510' MSL.
Poles beginning 649' from DER, 148' left of centerline, up to 43' AGL/1521' MSL.
Flagpole 1316' from DER, 751' left of centerline, 43' AGL/1548' MSL.
Buildings beginning 397' from DER, 435' left of centerline, up to 40' AGL/1497' MSL.
Rwy 27, trees beginning 755' from DER, 180' right of centerline, up to 61' AGL/1604' MSL.
Trees beginning 709' from DER, 80' left of centerline, up to 60' AGL/1543' MSL.
Terrain 125' from DER, 472' left of centerline, 1484' MSL.

CON'T

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

CASSVILLE, MO (CON'T)
CASSVILLE MUNI (94K) (CON'T)
Rwy 27 (CON'T), poles beginning 636' from DER, 385' right of centerline, up to 43' AGL/1505' MSL.
Poles beginning 665' from DER, 320' left of centerline, up to 43' AGL/1516' MSL.
Bushes beginning 183' from DER, 339' left of centerline, up to 6' AGL/1490' MSL.

CEDAR RAPIDS, IA
THE EASTERN IOWA (CID)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 4 23SEP10 (10266) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 9, building 354' from DER, 563' right of centerline, 22' AGL/873' MSL.
Pole 678' from DER, 642' right of centerline, 33' AGL/884' MSL.
Obstruction light on building 1133' from DER, 596' right of centerline, 41' AGL/890' MSL.
Antennas beginning 491' from DER, 314' left of centerline, up to 28' AGL/879' MSL.
Rwy 13, vehicles on road 961' from DER, 709' left of centerline, up to 15' AGL/874' MSL.
Rwy 27, poles beginning 1338' from DER, 700' right of centerline, up to 34' AGL/895' MSL.
Rwy 31, vehicles on road beginning 28' from DER, left and right of centerline, up to 17' AGL/876' MSL.
Tree 3464' from DER, 180' right of centerline, 100' AGL/979' MSL.

CENTERVILLE, IA
CENTERVILLE MUNI (TVK)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 03JUN10 (10154) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 16, trees beginning 37' from DER, 282' left of centerline, up to 25' AGL/1034' MSL.
Trees beginning 86' from DER, 213' right of centerline, up to 20' AGL/1031' MSL.

CHARITON, IA
CHARITON MUNI (CNC)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 17DEC09 (09351) (FAA)
TAKEOFF MINIMUMS:
Rwy 10, std. w/ min. climb of 223' per NM to 1700 or 900-2½ for climb in visual conditions.
DEPARTURE PROCEDURE:
Rwy 10, for climb in visual conditions cross Chariton Muni airport at or above 1800 MSL before proceeding on course.
TAKEOFF OBSTACLE NOTES:
Rwy 10, tower 2.62 NM from DER, 2173' left of centerline, 470' AGL/1480' MSL.
Rwy 17, hangar 13' from DER, 429' left of centerline, 25' AGL/1084' MSL.
Vehicle on road beginning 506' from DER, from left to right of centerline, up to 15' AGL/1074' MSL.
Tree 2720' from DER, 451' right of centerline, 100' AGL/1159' MSL.
Rwy 35, vehicle on road 17' from DER, 421' left of centerline, 15' AGL/1054' MSL.

CHARLES CITY, IA
NORTHEAST IOWA RGNL (CCY)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 15JAN09 (09015) (FAA)
TAKEOFF MINIMUMS:
Rwys 4, 17, 22, 35, NA-Environmental.
TAKEOFF OBSTACLE NOTES:
Rwy 12, trees beginning 1002' from DER, 351' right of centerline, up to 100' AGL/1209' MSL.
Rwy 30, trees beginning 1804' from DER, 621' right of centerline, up to 100' AGL/1229' MSL.

CHARLESTON, MO
MISSISSIPPI COUNTY (CHQ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG-A 24MAY18 (18144) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 18, trees beginning 404' from DER, 380' left of centerline, up to 80' AGL/394' MSL.
Trees beginning 2766' from DER, 670' left of centerline, up to 80' AGL/394' MSL.
Trees beginning 2772' from DER, 318' right of centerline, up to 80' AGL/394' MSL.
Rwy 36, vehicles on road beginning 511' from DER, left and right of centerline, up to 15' AGL/329' MSL.
Agricultural irrigation pivot equipment, 603' from DER, 9' left of centerline, 19' AGL/332' MSL.
Trees beginning 2045' from DER, 875' right of centerline, up to 80' AGL/394' MSL.

CHEROKEE, IA

CHEROKEE COUNTY RGNL (CKP)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 07MAY09 (09127) (FAA)

TAKEOFF MINIMUMS:

Rwys 1,19, NA - environmental.

Rwy 36, 300 -1¼ or std. w/ min. climb of 373' per NM to 1600.

DEPARTURE PROCEDURE:

Rwy 18, climb heading 178° to 1700 before proceeding on course.

Rwy 36, climb heading 358° to 1900 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 18, rising terrain, buildings, vehicles on road, poles, signs, trees beginning at DER, 305' left of centerline, up to 65' AGL/1298' MSL.

Trains on railroad beginning at DER, 348' right of centerline, up to 23' AGL/1242' MSL.

Rwy 36, vehicles on road, trees beginning at DER, 416' left of centerline, up to 65' AGL/1284' MSL.

Row of trees 726' from DER, from left to right of centerline, up to 65' AGL/1284' MSL.

Building 741' from DER, 557' right of centerline, 24' AGL/1239' MSL.

Tower 5267' from DER, 382' left of centerline, 160' AGL/1390' MSL.

Tower 6206' from DER, 171' right of centerline, 160' AGL/1440' MSL.

CHILLICOTHE, MO

CHILLICOTHE MUNI (CHT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 02JUL09 (09183) (FAA)

TAKEOFF MINIMUMS:

Rwys 2, 20, NA-Environmental.

TAKEOFF OBSTACLE NOTES:

Rwy 14, trees beginning 287' from DER, 261' left of centerline, up to 150' AGL/884' MSL.

Vehicle on road 542' from DER, 454' right of centerline, 15' AGL/779' MSL.

Antenna 1338' from DER, 349' left of centerline, 46' AGL/806' MSL.

Tree 3217' from DER, 1285' right of centerline, 150' AGL/884' MSL.

Rwy 32, trees beginning 12' from DER, 63' left of centerline, up to 150' AGL/898' MSL.

Pole 142' from DER, 368' left of centerline, 43' AGL/792' MSL.

Trees beginning 164' from DER, 129' right of centerline, up to 150' AGL/924' MSL.

CLARINDA, IA

SCHENCK FIELD (ICL)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 22JUN17 (17173) (FAA)

TAKEOFF MINIMUMS:

Rwys 13, 31, NA - environmental.

DEPARTURE PROCEDURE:

Rwy 2, climb on heading 020° to 2400 before turning.

TAKEOFF OBSTACLE NOTES:

Rwy 2, tree 48' from DER, 486' right of centerline, 1000' MSL.

Transmission tower 104' from DER, 362' right of centerline, 1014' MSL.

Pole 144' from DER, 279' left of centerline, up to 38' AGL/1025' MSL.

Tree 2290' from DER, 481' right of centerline, 1057' MSL.

Elevator 2672' from DER, 206' right of centerline, 1079' MSL.

Rwy 20, vehicles on road beginning 196' from DER, 382' right of centerline, up to 15' AGL/1023' MSL.

Vehicles on road beginning 365' from DER, 535' left of centerline, 15' AGL/1017' MSL.

Vehicles on road beginning 422' from DER, 400' left of centerline, 15' AGL/1018' MSL.

Pole 470' from DER, 5' right of centerline, up to 83' AGL/1073' MSL.

Vehicles on road beginning 491' from DER, 93' left of centerline, up to 1005' MSL.

Trees beginning 1071' from DER, 44' left of centerline, up to 1026' MSL.

Tree 1398' from DER, 187' left of centerline, 1028' MSL.

Pole 1716' from DER, 481' left of centerline, up to 1037' MSL.

Trees beginning 2144' from DER, 23' left of centerline, up to 1050' MSL.

CLARION, IA

CLARION MUNI (CAV)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 11FEB10 (10042) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 14, tree 345' from DER, 551' left of centerline, 100' AGL/1264' MSL.

Rwy 32, trees beginning 134' from DER, 396' left of centerline, up to 100' AGL/1254' MSL.

Vehicle on road 333' from DER, 572' right of centerline, up to 15' AGL/1174' MSL.

CLINTON, IA

CLINTON MUNI (CWI)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 06MAY10 (10126) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 3, trees beginning 34' from DER, 393' left of centerline, up to 20' AGL/711' MSL.
Obstruction light on DME 387' from DER, 264' left of centerline, 11' AGL/720' MSL.
Rwy 14, vehicle on road 56' from DER, 483' right of centerline, 15' AGL/694' MSL.
Vehicle on road 391' from DER, 3' left of centerline, 15' AGL/702' MSL.
Rwy 21, tree 405' from DER, 500' left of centerline, 16' AGL/706' MSL.
Rwy 32, vehicle on road 38' from DER, 319' left of centerline, 15' AGL/716' MSL.
Fence 169' from DER, 192' right of centerline, 8' AGL/706' MSL.
Vehicle on road 508' from DER, 8' left of centerline, 15' AGL/718' MSL.
Trees beginning 1302' from DER, 448' left of centerline, up to 68' AGL/767' MSL.
Antenna on hopper 1315' from DER, 850' left of centerline, 82' AGL/781' MSL.

CLINTON, MO

CLINTON RGNL (GLY)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 03APR14 (14093) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 4, sign 15' from DER, 124' left of centerline, 5' AGL/824' MSL.
Trees 100' from DER, 370' right of centerline.
Trees beginning 101' from DER. 370' right of centerline, up to 79' AGL/878' MSL.
Trees beginning 456' from DER, 56' right of centerline, up to 26' AGL/848' MSL.
Tree 662' from DER, 30' left of centerline, 22' AGL/844' MSL.
Tree 892' from DER, 296' left of centerline, 23' AGL/845' MSL.
Trees beginning 1624' from DER, 853' right of centerline, 78' AGL/888' MSL.
Trees beginning 1991' from DER, 700' left of centerline, up to 56' AGL/878' MSL.
Rwy 18, road 8' from DER, left to right of centerline, 15' AGL/819' MSL.
Terrain 73' from DER, 315' left of centerline, 808' MSL.
Trees beginning 183' from DER, 306' left of centerline, up to 84' AGL/892' MSL.
Trees beginning 434' from DER, 571' right of centerline, up to 52' AGL/855' MSL.
Trees beginning 1396' from DER, 632' right of centerline, up to 69' AGL/872' MSL.
Trees beginning 1725' from DER, 576' right of centerline, up to 64' AGL/848' MSL.
Bush 183' from DER, 306' left of centerline, 6' AGL/809' MSL.
Rwy 22, tree 19' from DER, 349' left of centerline, 26' AGL/845' MSL.
Trees beginning 189' from DER, 213' left of centerline, up to 54' AGL/864' MSL.
Trees and poles beginning 640' from DER, left and right of centerline, up to 67' AGL/887' MSL.
Powerlines beginning 1289' from DER, left and right of centerline, up to 46' AGL/866' MSL.
Rwy 36, tree 38' from DER, 505' right of centerline, 23' AGL/832' MSL.
Trees beginning 153' from DER, 414' right of centerline, up to 79' AGL/888' MSL.
Trees, terrain and buildings beginning 106' from DER, 219' left of centerline, up to 69' AGL/878' MSL.
Bushes beginning 221' from DER, 431' left of centerline, up to 14' AGL/823' MSL.

COLUMBIA, MO

COLUMBIA RGNL (COU)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 6 12OCT17 (17285) (FAA)

DEPARTURE PROCEDURE:

Rwy 31, climb heading 315° to 1900 before turning right.

TAKEOFF OBSTACLE NOTES:

Rwy 2, trees beginning 71' from DER, 13' right of centerline, up to 110' AGL/993' MSL.
Trees beginning 93' from DER, 97' left of centerline, up to 110' AGL/993' MSL.
Trees beginning 1548' from DER, 9' right of centerline, up to 110' AGL/996' MSL.
Rwy 13, trees beginning 2' from DER, 5' left of centerline, up to 110' AGL/993' MSL.
Trees beginning 51' from DER, 113' right of centerline, up to 110' AGL/993' MSL.
Trees beginning 601' from DER, 32' right of centerline, up to 110' AGL/996' MSL.
Rwy 20, trees beginning 32' from DER, 22' left of centerline, up to 110' AGL/993' MSL.
Trees beginning 118' from DER, 87' right of centerline, up to 110' AGL/990' MSL.
Trees beginning 1400' from DER, 86' right of centerline, up to 110' AGL/993' MSL.
Trees beginning 1965' from DER, 83' right of centerline, up to 110' AGL/996' MSL.
Rwy 31, trees beginning 92' from DER, 6' left of centerline, up to 110' AGL/996' MSL.
Trees beginning 191' from DER, 0' of centerline, up to 110' AGL/996' MSL.

CORNING, IA
CORNING MUNI (CRZ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 20DEC07 (07354) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 18, road w/ vehicle, 159' from DER, on centerline, 23' AGL/1262' MSL.
Trees beginning 161' from DER, 110' left of centerline, up to 100 AGL/1329' MSL.
Rwy 36, trees beginning 945' from DER, 319' left of centerline, up to 100' AGL/1339' MSL.
Tree 1212' from DER, 653' right of centerline, 100' AGL/1309' MSL.

COUNCIL BLUFFS, IA
COUNCIL BLUFFS MUNI (CBF)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 05MAY11 (11125) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 18, trees 73' from DER, 463' right of centerline, 100' AGL/1269' MSL.
Rwy 32, trees beginning 782' from DER, 91' right of centerline, 100' AGL/1299' MSL.
Trees 1310' from DER, 206' left of centerline, 100' AGL/1329' MSL.
Rwy 36, trees 1196' from DER, 453' right of centerline, 100' AGL/1279' MSL.

CRESCO, IA
ELLEN CHURCH FIELD (CJJ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 30JUN88 (88182) (FAA)
DEPARTURE PROCEDURE:
Rwys 15, 33, climb runway heading to 1700 before turning.

CRESTON, IA
CRESTON MUNI (CSQ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 18JAN07 (07018) (FAA)
TAKEOFF MINIMUMS:
Rwys 4, 22, NA-Environmental.
TAKEOFF OBSTACLE NOTES:
Rwy 16, multiple trees and terrain beginning 152' from DER, 128' left of centerline, up to 70' AGL/1360' MSL.
Multiple bushes and terrain beginning 91' from DER, 93' right of centerline, up to 10' AGL/1313' MSL.
Pole 242' from DER, 199' right of centerline, 7' AGL/1301' MSL.
Rwy 34, terrain 561' from DER, 17' left of centerline, 1309' MSL.
Terrain beginning 169' from DER, 236' right of centerline, up to 1309' MSL.
Road/vehicle 756' from DER, on centerline, 15' AGL/1314' MSL.

CUBA, MO
CUBA MUNI (UBX)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 13JAN11 (11013) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 18, terrain, trees, and power poles beginning at DER, left and right of centerline, up to 100' AGL/1139' MSL.
Trees 2224' from DER, 859' left of centerline, 100' AGL/1159' MSL.
Rwy 36, terrain, trees, power poles, and cars on roadway beginning at DER, left and right of centerline, up to 100' AGL/1145' MSL.

DAVENPORT, IA
DAVENPORT MUNI (DVN)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 10MAR11 (11069) (FAA)
DEPARTURE PROCEDURE:
Rwy 15, climb heading 149° to 2400 before turning left.
Rwy 21, climb heading 209° to 1400 before turning left.
TAKEOFF OBSTACLE NOTES:
Rwy 3, vehicles on roadway, rising terrain and trees beginning 19' from DER, 58' left of centerline, up to 65' AGL/810' MSL.
Vehicles on roadway, rising terrain and trees beginning 536' from DER, 32' right of centerline. up to 36'AGL/777' MSL.
Rwy 15, rising terrain and trees beginning 54' from DER, 49' left of centerline, up to 100' AGL/849' MSL.
Rising terrain and trees beginning 85' from DER, 62' right of centerline, up to 79' AGL/810' MSL.
Rwy 21, rising terrain and trees beginning 53' from DER, left and right of centerline, up to 43' AGL/784' MSL.
Rwy 33, rising terrain beginning at DER, left and right of centerline, up to 784' MSL.

DECORAH, IA

DECORAH MUNI (DEH)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 05MAY11 (11125) (FAA)

DEPARTURE PROCEDURE:

Rwy 29, Climb heading 294° to 1600 before turning left.

TAKEOFF OBSTACLE NOTES:

Rwy 11, terrain beginning 50' from DER, 216' left of centerline, up to 1166' MSL.
Terrain beginning 23' from DER, 218' right of centerline, up to 1170' MSL.
Vehicle on road 406' left of centerline, crossing left to right, up to 15' AGL/1189' MSL.
Poles beginning 378' from DER, 28' left of centerline, up to 63' AGL/1223' MSL.
Tree 89' from DER, 337' left of centerline, 10' AGL/1170' MSL.
Trees 770' from DER, 201' left of centerline, 37' AGL/1197' MSL.
Buildings and signs 1475' from DER, 198' left of centerline, up to 49' AGL/1229' MSL.
Trees beginning 2890' from DER, 397' left of centerline, up to 100' AGL/1250' MSL.
Trees 1292' from DER, 418' right of centerline, 66' AGL/1206' MSL.
Poles and signs beginning 2058' from DER, 28' right of centerline, up to 57' AGL/1227' MSL.
Rwy 29, trees beginning 443' from DER, 485' left of centerline, up to 95' AGL/1205' MSL.

DENISON, IA

DENISON MUNI (DNS)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 25SEP08 (08269) (FAA)

TAKEOFF MINIMUMS:

Rwys 6, 18, 24, 36, NA-Environmental.

TAKEOFF OBSTACLE NOTES:

Rwy 12, trees beginning 10' from DER, 202' left of centerline, up to 100' AGL/1352' MSL.
Trees beginning 293' from DER, 190' right of centerline, up to 100' AGL/1352' MSL.

DES MOINES, IA

DES MOINES INTL (DSM)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 11A 01FEB18 (18032) (FAA)

DEPARTURE PROCEDURE:

Rwy 5, climb heading 053° to 1500 before turning left.

TAKEOFF OBSTACLE NOTES:

Rwy 5, NAVAID 40’ from DER, 115’ left of centerline, 4’ AGL/936’ MSL.
Terrain 233’ from DER, 503’ left of centerline, 941’ MSL.
Fence 623’ from DER, 589’ left of centerline, 8’ AGL/951’ MSL.
Vehicle on road 934’ from DER, 669’ left of centerline, 959’ MSL.
Trees and pole beginning 986’ from DER, 400’ left of centerline, up to 1020’ MSL.
Pole 2280’ from DER, 364’ right of centerline, 71’ AGL/1001’ MSL.
Tree and pole beginning 2312’ from DER, 377’ right of centerline, up to 1004’ MSL.
Trees beginning 2341’ from DER, 566’ right of centerline, up to 1015’ MSL.
Tree 2432’ from DER, 881’ right of centerline, 1018’ MSL.
Trees beginning 2453’ from DER, 566’ right of centerline, up to 1020’ MSL.
Trees beginning 2609’ from DER, 614’ right of centerline, up to 1026’ MSL.
Trees beginning 3175’ from DER, 218’ right of centerline, up to 1048’ MSL.
Tree 3567’ from DER, 1042’ left of centerline, 1035’ MSL.
Trees beginning 3572’ from DER, 37’ left of centerline, up to 1038’ MSL.
Rwy 13, tree 1427’ from DER, 830’ left of centerline, 1002’ MSL.
Tree 1830’ from DER, 918’ right of centerline,1017’ MSL.
Tree 2970’ from DER, 1142’ left of centerline, 1033’ MSL.
Rwy 23, vehicle on road beginning 199’ from DER, 30’ right of centerline, up to 930’ MSL.
Rwy 31, tree 2508’ from DER, 907’ right of centerline, 977’ MSL.

DEXTER, MO

DEXTER MUNI (DXE)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 31JUL08 (08213) (FAA)

TAKEOFF MINIMUMS:

Rwy 36, std. w/ min. climb of 251' per NM to 1100 or 900-2½ for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 36, for climb in visual conditions: Cross Dexter Muni airport at or above 1100 MSL before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 36, trees and wind sock beginning 144' from DER, 128' right of centerline, up to 87' AGL/399' MSL.
Trees beginning 2295' from DER, 169' right of centerline, up to 78' AGL/388' MSL.
Trees beginning 2342' from DER, 164' left of centerline, up to 74' AGL/387' MSL.

DUBUQUE, IA

DUBUQUE RGNL (DBQ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 28SEP06 (06271) (FAA)

TAKEOFF MINIMUMS:

Rwy 13, 200-1¼ or std. w/ min. climb of 226' per NM to 1300, or alternatively, w/ standard takeoff minimums and a normal 200'/NM climb gradient, takeoff must occur no later than 1700' prior to DER.

TAKEOFF OBSTACLE NOTES:

Rwy 13, multiple trees and poles beginning 2916' from DER, 20' left of centerline, up to 74' AGL/1185' MSL.
Multiple trees and poles beginning 4857' from DER, 559' right of centerline, up to 68' AGL/1227' MSL.
Rwy 18, elevator 3457' from departure end of runway, 242' left of centerline, 80' AGL/1150' MSL.
Tree 1987' from DER, 938' right of centerline, 77' AGL/1088' MSL.
Rwy 31, tower and multiple trees beginning 2427' from DER, 490' left of centerline, up to 85' AGL/1168' MSL.

EAGLE GROVE, IA

EAGLE GROVE MUNI (EAG)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 11FEB10 (10042) (FAA)

TAKEOFF MINIMUMS:

Rwys 1, 19, NA-Environmental.

TAKEOFF OBSTACLE NOTES:

Rwy 13, vehicle on road 520' from DER, 495' left of centerline, 15' AGL/1154' MSL.
Train on tracks, 493' from DER, 626' left of centerline, 23' AGL/1152' MSL.
Trees beginning 4352' from DER, 1120' left of centerline, up to 100' AGL/1239' MSL.
Rwy 31, vehicle on road abeam DER, 281' left of centerline, 15' AGL/1154' MSL.

ELDON, MO

ELDON MODEL AIRPARK (H79)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-B 10SEP20 (20254) (FAA)

DEPARTURE PROCEDURE:

Rwy 18, climb heading 182° to 1600 before turning right.

TAKEOFF OBSTACLE NOTES:

Rwy 18, general utility 10' from DER, 76' left of centerline, 1' AGL/906' MSL.
Tank, terrain, traverse way beginning 10' from DER, 214' left of centerline, up to 18' AGL/918' MSL.
General utility 10' from DER, 78' right of centerline, 6' AGL/907' MSL.
Vertical point, terrain beginning 58' from DER, 24' right of centerline, up to 922' MSL.
Pole, fence, traverse way beginning 185' from DER, 315' right of centerline, up to 938' MSL.
Tree, fence, building, pole, traverse way beginning 363' from DER, 296' right of centerline, up to 974' MSL.
Trees beginning 427' from DER, 426' left of centerline, up to 926' MSL.
Transmission line, pole beginning 888' from DER, 613' left of centerline, up to 31' AGL/941' MSL.
Transmission line, traverse way beginning 1062' from DER, 410' left of centerline, up to 34' AGL/948' MSL.
Tree 1131' from DER, 761' right of centerline, 984' MSL.
Tree, pole beginning 1152' from DER, 307' right of centerline, up to 985' MSL.
Tree, pole beginning 1218' from DER, 321' left of centerline, up to 987' MSL.
Tree, pole, traverse way, sign, transmission line, building beginning 1282' from DER, 192' left of centerline, up to 995' MSL.
Tree, traverse way, pole, transmission line, building beginning 1362' from DER, 33' right of centerline, up to 999' MSL.
Tree, pole, transmission line beginning 1741' from DER, 69' left of centerline, up to 1001' MSL.
Rwy 36, terrain 39' from DER, 28' left of centerline, 936' MSL.
Traverse way, terrain beginning 51' from DER, 78' left of centerline, up to 952' MSL.
Traverse way, terrain, tree beginning 51' from DER, 60' right of centerline, up to 944' MSL.
Tree, terrain beginning 239' from DER, 398' left of centerline, up to 963' MSL.
Tree, traverse way beginning 326' from DER, 94' left of centerline, up to 974' MSL.
Tree 747' from DER, 459' right of centerline, 962' MSL.
Trees beginning 931' from DER, 330' right of centerline, up to 973' MSL.
Tree 2715' from DER, 426' left of centerline, 988' MSL.
Tree 2763' from DER, 700' left of centerline, 991' MSL.
Trees beginning 3158' from DER, 1094' left of centerline, up to 1008' MSL.

EMMETSBURG, IA

EMMETSBURG MUNI (EGQ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 11FEB10 (10042) (FAA)

TAKEOFF MINIMUMS:

Rwys 4, 22, 17, 35, NA-Environmental.

TAKEOFF OBSTACLE NOTES:

Rwy 13, trees beginning 754' from DER, 663' right of centerline, up to 45' AGL/1254' MSL.
Rwy 31, trees beginning 392' from DER, 280' left of centerline, up to 45' AGL/1254' MSL.
Trees beginning 1001' from DER, 393' right of centerline, up to 45' AGL/1254' MSL.

EXCELSIOR SPRINGS, MO

EXCELSIOR SPRINGS MEMORIAL (3EX)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 20AUG15 (15232) (FAA)

TAKEOFF MINIMUMS:

Rwy 3, 21, 300-1.

TAKEOFF OBSTACLE NOTES:

Rwy 3, trees beginning 678' from DER, 22' left of centerline, up to 150' AGL/1159' MSL.
Trees beginning 1897' from DER, 932' right of centerline, up to 150' AGL/1199' MSL.
Vehicles on roads beginning 54' from DER, left and right of centerline, up to 15' AGL/1003' MSL.
Rwy 21, trees beginning 384' from DER, 176' left of centerline, up to 150' AGL/1159' MSL.
Trees beginning 565' from DER, 127' right of centerline, up to 150' AGL/1149' MSL.

FAIRFIELD, IA

FAIRFIELD MUNI (FFL)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 15MAR07 (07074) (FAA)

TAKEOFF MINIMUMS:

Rwys 8, 26, NA-environmental.

FARMINGTON, MO

FARMINGTON RGNL (FAM)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 5 23SEP10 (10266) (FAA)

DEPARTURE PROCEDURE:

Rwy 20, climb heading 202° to 2100 before turning right.

TAKEOFF OBSTACLE NOTES:

Rwy 2, trees, poles, fence, road, vehicle on road, and buildings beginning 77' from DER, 21' left of centerline, up to 83' AGL/1049' MSL.
Trees, poles, antenna, road, and terrain beginning 41' from DER, 3' right of centerline, up to 85' AGL/1045' MSL.
Rwy 20, trees beginning 50' from DER, 386' left of centerline, up to 76' AGL/956' MSL.
Trees, poles, vehicle on road, and terrain beginning 92' from DER, 175' right of centerline, up to 90' AGL/950' MSL.

FESTUS, MO

FESTUS MEMORIAL (FES)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 15OCT15 (15288) (FAA)

TAKEOFF MINIMUMS:

Rwy 1, 400-2¾ or std. w/min. climb of 479' per NM to 1000.
Rwy 19, 400-2¾ or std. w/min. climb of 321' per NM to 1000.

DEPARTURE PROCEDURE:

Rwy 1, climb heading 010° to 1100 before proceeding on course.
Rwy 19, climb heading 190° to 1100 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 1, trees beginning 34' from DER, 231' left of centerline, up to 125' AGL/565' MSL.
Trees beginning 617' from DER, 568' right of centerline, up to 125' AGL/565' MSL.
Trees beginning 3121' from DER, 1314' right of centerline, up to 125' AGL/625' MSL.
Tank 1.36 NM from DER, 1357' right of centerline, 209' AGL/641' MSL.
Rwy 19, railroad 84' from DER, 450' right of centerline, 23' AGL/442' MSL.
Trees beginning 1125' from DER, 619' left of centerline, up to 125' AGL/525' MSL.
Trees beginning 2844' from DER, 1085' right of centerline, up to 125' AGL/564' MSL.
Trees beginning 4690' from DER, 1715' right of centerline, up 125' AGL/624' MSL.

FOREST CITY, IA

FOREST CITY MUNI (FXY)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 20030 (FAA)

TAKEOFF MINIMUMS:

Rwy 33, 300-2¼ or std. w/min. climb of 244' per NM to 1700.

DEPARTURE PROCEDURE:

Rwy 33, climb on heading 332° to 1900 before turning right.

TAKEOFF OBSTACLE NOTES:

Rwy 9, tree 4' from DER, 106' right of centerline, 1205' MSL.
Trees beginning 68' from DER, 83' left of centerline, up to 70' AGL/1221' MSL.
Trees beginning 118' from DER, 1' right of centerline, up to 70' AGL/1221' MSL.
Trees beginning 2674' from DER, 16' left of centerline, up to 70' AGL/1228' MSL.
Trees beginning 3560' from DER, 71' left of centerline, up to 70' AGL/1234' MSL.
Trees 3684' from DER, 231' right of centerline, 70' AGL/1228' MSL.
Trees beginning 3781' from DER, 392' left of centerline, up to 70' AGL/1237' MSL.
Trees beginning 4077' from DER, 107' left of centerline, up to 70' AGL/1241' MSL.
Trees beginning 4249' from DER, 731' left of centerline, up to 70' AGL/1244' MSL.
Trees beginning 4298' from DER, 428' left of centerline, up to 70' AGL/1247' MSL.
Trees beginning 4470' from DER, 446' left of centerline, up to 70' AGL/1260' MSL.
Rwy 15, fence beginning 6' from DER, 180' right of centerline, up to 7' AGL/1208' MSL.
Tree 26' from DER, 499' left of centerline, 1220' MSL.
Tree 27' from DER, 356' left of centerline, 1228' MSL.
Fence 209' from DER, 142' right of centerline, 8' AGL/1209' MSL.
Tree 328' from DER, 486' left of centerline, 1229' MSL.
Trees beginning 408' from DER, 345' left of centerline, up to 1243' MSL.
Trees beginning 752' from DER, 394' left of centerline, up to 1245' MSL.
Trees beginning 1037' from DER, 506' left of centerline, up to 1256' MSL.
Rwy 27, trees beginning 52' from DER, 151' left of centerline, up to 70' AGL/1218' MSL.
Trees beginning 101' from DER, 151' right of centerline, up to 70' AGL/1218' MSL.
Trees beginning 323' from DER, 96' right of centerline, up to 70' AGL/1221' MSL.
Trees beginning 815' from DER, 6' right of centerline, up to 70' AGL/1224' MSL.
Trees beginning 962' from DER, 11' left of centerline, up to 70' AGL/1221' MSL.
Trees 2364' from DER, 575' right of centerline, 70' AGL/1228' MSL.
Trees beginning 2389' from DER, 557' right of centerline, up to 70' AGL/1231' MSL.
Rwy 33, building 181' from DER, 483' left of centerline, 15' AGL/1224' MSL.
Pole 249' from DER, 441' left of centerline, 38' AGL/1247' MSL.
Traverse way beginning 343' from DER, 281' right of centerline, up to 1222' MSL.
Tree, traverse way, pole beginning 428' from DER, 25' left of centerline, up to 1270' MSL.
Traverse way beginning 486' from DER, 56' right of centerline, up to 1223' MSL.
Tower 1.8 NM from DER, 2199' left of centerline, 250' AGL/1500' MSL.

FORT DODGE, IA

FORT DODGE RGNL (FOD)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 17DEC09 (09351) (FAA)

DEPARTURE PROCEDURE:

Rwy 24, Climb heading 243° to 1700 before turning south.

TAKEOFF OBSTACLE NOTES:

Rwy 6, trees beginning 106' from DER, 284' left of centerline, up to16' AGL/1166' MSL.
Trees beginning 1138' from DER, 665' left of centerline, up to 76' AGL/1226' MSL.
Rwy 12, pole beginning 431' from DER, 504' left of centerline, 31' AGL/1171' MSL.
Trees beginning 456' from DER, 481' left of centerline, up to 39' AGL/1179' MSL.
Building 592' from DER, 484' left of centerline, 24' AGL/1164' MSL.
Poles beginning 1037' from DER, 306' right of centerline, up to 41' AGL/1171' MSL.
Trees beginning 1227' from DER, 540' right of centerline, up to 68' AGL/1190' MSL.
Feed drop 1901' from DER, 774' right of centerline, 84' AGL/1204' MSL.
Rwy 24, sign 54' from DER, 253' left of centerline, 13' AGL/1083' MSL.
Sign 57' from DER, 245' right of centerline, up to 15' AGL/1085' MSL.
Trees beginning 177' from DER, 495' right of centerline, up to 44' AGL/1114' MSL.
Rwy 30, trees beginning 71' from DER, left and right of centerline, up to 67' AGL/1167' MSL.
Poles beginning 211' from DER, 421' left of centerline, up to 45' AGL/1135' MSL.
Poles beginning 878' from DER, 54' right of centerline, up to 39' AGL/1139' MSL.

FORT LEONARD WOOD, MO

WAYNESVILLE-ST ROBERT RGNL FORNEY FIELD (TBN)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 15AUG19 (19227) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 15, pole 11' from DER, 54' left of centerline, 3' AGL/1156' MSL.
Pole 12' from DER, 54' right of centerline, 3' AGL/1156' MSL.
Terrain 22' from DER, 282' left of centerline, 1159' MSL.
General utility 112' from DER, 409' left of centerline, 5' AGL/1168' MSL.
Terrain, sign, NAVAID beginning 163' from DER, on centerline, up to 1169' MSL.
Pole 205' from DER, 543' right of centerline, 31' AGL/1171' MSL.
NAVAID, vehicle on traverse way beginning 270' from DER, on centerline, up to 24' AGL/1172' MSL.
Fence beginning 381' from DER, 77' left of centerline, up to 18' AGL/1170' MSL.
Vehicle on traverse way beginning 437' from DER, 75' left of centerline, up to 1176' MSL.
Tree 851' from DER, 713' right of centerline, 1183' MSL.
Tree 901' from DER, 589' left of centerline, 1190' MSL.
Tree 1140' from DER, 761' right of centerline, 1197' MSL.
Tree 1669' from DER, 97' left of centerline, 1199' MSL.
Rwy 33, pole 11' from DER, 54' left of centerline, 3' AGL/1160' MSL.
Pole 12' from DER, 53' right of centerline, 3' AGL/1160' MSL.
Fence 28' from DER, 483' right of centerline, 13' AGL/1170' MSL.
Vehicle on traverse way, pole beginning 68' from DER, 451' right of centerline, up to 1175' MSL.
Trees beginning 294' from DER, 426' right of centerline, up to 1199' MSL.

FORT MADISON, IA

FORT MADISON MUNI (FSW)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 23SEP10 (10266) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 17, trees beginning at DER, 349' right of centerline, up to 125' AGL/844' MSL.
Trees beginning at DER, 164' left of centerline, up to 125' AGL/844' MSL.
Rwy 35, trees beginning 659' from DER, 304' left of centerline, up to 125' AGL/824' MSL.
Trees beginning 3107' from DER, 1184' right of centerline, up to 125' AGL/814' MSL.

FREDERICKTOWN, MO

A PAUL VANCE FREDERICKTOWN RGNL(H88)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 13SEP18 (18256) (FAA)

TAKEOFF MINIMUMS:

Rwy 1, 300-2¼ or std. w/min. climb of 245' per NM to 1300.

TAKEOFF OBSTACLE NOTES:

Rwy 1, trees beginning 9' from DER, 198' right of centerline, up to 955' MSL.
Tree 27' from DER, 121' left of centerline, 876' MSL.
Tree 318' from DER, 431' left of centerline, 915' MSL.
Trees beginning 522' from DER, 188' left of centerline, up to 938' MSL.
Tree 2098' from DER, 641' right of centerline, 956' MSL.
Trees beginning 2111' from DER, 323' right of centerline, up to 957' MSL.
Trees beginning 2234' from DER, 119' right of centerline, up to 962' MSL.
Trees beginning 2348' from DER, 498' right of centerline, up to 963' MSL.
Tree 1.4 NM from DER, 2752' right of centerline, 1099' MSL.
Trees beginning 1.4 NM from DER, 2688' right of centerline, up to 1120' MSL.
Trees beginning 1.4 NM from DER, 2685' right of centerline, up to 1136' MSL.
Trees beginning 1.5 NM from DER, 2640' right of centerline, up to 1138' MSL.
Trees beginning 1.5 NM from DER, 2558' right of centerline, up to 1141' MSL.
Tree 1.5 NM from DER, 2838' right of centerline, 1146' MSL.
Trees beginning 1.5 NM from DER, 2079' right of centerline, up to 1149' MSL.
Trees beginning 1.5 NM from DER, 2489' right of centerline, up to 1159' MSL.
Trees beginning 1.5 NM from DER, 1894' right of centerline, up to 1162' MSL.
Trees beginning 1.6 NM from DER, 1882' right of centerline, up to 1169' MSL.
Tree, traverse way beginning 1.6 NM from DER, 2091' right of centerline, up to 1171' MSL.
Trees beginning 1.6 NM from DER, 1590' right of centerline, up to 1174' MSL.
Trees beginning 1.6 NM from DER, 1840' right of centerline, up to 1177' MSL.
Tree 1.7 NM from DER, 2717' right of centerline, 1151' MSL.
Rwy 19, pole 10' from DER, 50' right of centerline, 26' AGL/876' MSL.

FULTON, MO

ELTON HENSLEY MEMORIAL (FTT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 24MAY18 (18144) (FAA)

TAKEOFF MINIMUMS:

Rwys 12, 30, NA - environmental.

DEPARTURE PROCEDURE:

Rwy 36, climb heading 001° to 1400 before turning right.

TAKEOFF OBSTACLE NOTES:

Rwy 18, tree 1506' from DER, 809' right of centerline, 100' AGL/989' MSL.

Rwy 36, tree 1809' from DER, 272' right of centerline, 46' AGL/923' MSL.

GRAIN VALLEY, MO

EAST KANSAS CITY (3GV)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 13NOV14 (14317) (FAA)

TAKEOFF MINIMUMS:

Rwy 9, 300-1½ or std. w/min. climb of 225' per NM to 1200 or alternatively, with std. takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1900' prior to DER.

Rwy 23, 300- 1 5/8 or std. w/min. climb of 363' per NM to 1100.

Rwy 27, 300- 1¾ or std. w/min. climb of 301' per NM to 1100.

TAKEOFF OBSTACLE NOTES:

Rwy 5, vehicles beginning 27' from DER, 208' left of centerline, up to 15' AGL/854' MSL.

Hangars beginning 42' from DER, 261' right of centerline, up to 24' AGL/873' MSL.

Trees beginning 1' from DER, 208' left of centerline, up to 100' AGL/939' MSL.

Trees beginning 537' from DER, 554' right of centerline, up to 100' AGL/939' MSL.

Rwy 9, vehicles beginning 2' from DER, 175' right of centerline, up to 15' AGL/825' MSL.

Train beginning 6' from DER, 203' right of centerline, up to 23' AGL/833' MSL.

Trees beginning 7' from DER, 320' left of centerline, up to 100' AGL/920' MSL.

Trees beginning 12' from DER, 354' right of centerline, up to 100' AGL/1040' MSL.

Rwy 23, hangars beginning 16' from DER, 432' right of centerline, up to 24' AGL/863' MSL.

Trees beginning 35' from DER, 271' left side of centerline, up to 100' AGL/919' MSL.

Trees beginning 1931' from DER, 796' right of centerline, up to 100' AGL/919' MSL.

Trees beginning 3501' from DER, 1335' left of centerline, up to 100' AGL/1020' MSL.

Trees beginning 1.1 NM from DER, 150' right of centerline, up to 100' AGL/1000' MSL.

Trees beginning 1.12 NM from DER, 351' left of centerline, up to 100' AGL/1050' MSL.

Rwy 27, trees beginning 34' from DER, 458' left of centerline, up to 100' AGL/919' MSL.

Vehicles beginning 26' from DER, 145' right of centerline, up to 15' AGL/854' MSL.

Trees beginning 2148' from DER, 687' left of centerline, up to 100' AGL/949' MSL.

Trees beginning 4410' from DER, 357' right of centerline, up to 100' AGL/1050' MSL.

GREENFIELD, IA

GREENFIELD MUNI (GFZ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 13JAN11 (11013) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 7, terrain 26' from DER, 252' left of centerline, up to 1367' MSL.

Rwy 14, trees beginning 431' from DER, 327' left of centerline, up to 100' AGL/1479' MSL.

Vehicle on road 297' from DER, 60' right of centerline, 15' AGL/1374' MSL.

Rwy 25, terrain, trees and fence beginning 96' from DER, 160' left of centerline, up to 38' AGL/1397' MSL.

Rwy 32, tree 906' from DER, 292' left of centerline, 100' AGL/1439' MSL.

GIDEON, MO

GIDEON MEMORIAL (M85)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 02MAY13 (13122) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 15, vehicle on road beginning 171' from DER, left and right of centerline, up to 15' AGL/284' MSL.

Power lines beginning 521' from DER, 296' left of centerline, up to 40' AGL/309' MSL.

Trees beginning 874' from DER, 577' left of centerline up to 150' AGL/419' MSL.

Trees beginning 1809' from DER, 100' right of centerline, up to 150' AGL/419' MSL.

Rwy 33, vehicle on road beginning 204' from DER, 283' left of centerline, up to 15' AGL/284' MSL.

Trees and poles beginning 481' from DER, 224' left of centerline, up to 150' AGL/419' MSL.

Building 574' from DER, 374' left of centerline, 20' AGL/289' MSL.

Powerlines beginning 891' from DER, left and right of centerline, up to 40' AGL/309' MSL.

Mill and water tower beginning 1920' from DER, 813' left of centerline, up to 142' AGL/411' MSL.

GRINNELL, IA

GRINNELL RGNL (GGI)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 05JUN08 (08157) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 13, road plus vehicles beginning 164' from DER, 497' left of centerline, 15' AGL/1024' MSL.
Trees beginning 958' from DER, 324' left of centerline, up to 50' AGL/1059' MSL.
Rwy 31, tree 681' from DER, 589' right of centerline, up to 75' AGL/1075' MSL.
Tree 716' from DER, 610' left of centerline, up to 50' AGL/1009' MSL.
Road plus vehicle beginning 22' from DER, 215' right of centerline, 15' AGL/995' MSL.
Multiple poles and buildings beginning 492' from DER, 249' right of centerline, up to 23' AGL/1032' MSL.

GUTHRIE CENTER, IA

GUTHRIE COUNTY RGNL (GCT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 06MAY10 (10126) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 18, vehicle on road 599' from DER, 9' left of centerline, 15' AGL/1234' MSL.
Tree beginning 1083' from DER, 432' right of centerline, 100' AGL/1319' MSL.
Tree beginning 1147' from DER, 141' left of center, 100' AGL/1319' MSL.
Rwy 36, tree beginning 1609' from DER, 432' right of centerline, 100' AGL/1319' MSL.
Tree beginning 604' from DER, 240' left of centerline, 100' AGL/1319' MSL.

HAMPTON, IA

HAMPTON MUNI (HPT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3A 10MAR11 (11069) (FAA)

TAKEOFF MINIMUMS:

Rwy 17, 400-1. **Rwy 35,** 300-1 or std. w/min. climb of 471' per NM to 1500.

TAKEOFF OBSTACLE NOTES:

Rwy 17, tower 238' from DER, 536' left of centerline, 30' AGL/1188' MSL.

HANNIBAL, MO

HANNIBAL RGNL (HAE)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 07MAY09 (09127) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 17, trees beginning 15' from DER, 205' right of centerline, up to 80' AGL/819' MSL.
Rwy 35, trees beginning 377' from DER, 90' left of centerline, up to 60' AGL/809' MSL.
Trees beginning 1870' from DER, 103' right of centerline, up to 66' AGL/814' MSL.

HARLAN, IA

HARLAN MUNI (HNR)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 23SEP10 (10266) (FAA)

TAKEOFF MINIMUMS:

Rwys 3, 21, NA-Environmental.
Rwy 15, 300-1¾ or std. w/ min. climb of 250' per NM to 1600.

TAKEOFF OBSTACLE NOTES:

Rwy 15, vehicle on road beginning 207' from DER, left and right of centerline, up to 17' AGL/1216' MSL.
Pole and parked plane beginning 151' from DER, 361' left of centerline, 50' AGL/1210' MSL.
Power pole 989' from DER, 9' right of centerline, 50' AGL/1249' MSL.
Trees beginning 3253' from DER, 624' left of centerline, up to 100' AGL/1439' MSL.
Rwy 33, antenna 1' from DER, 267' left of centerline, 10' AGL/1250' MSL.
Rising terrain, trees, and posts beginning 23' from DER, left and right of centerline, up to 92' AGL/1333' MSL.
Fence beginning 88' from DER, 73' right of centerline, up to 26' AGL/1286' MSL.
Vehicle on road beginning 84' from DER, left and right of centerline, up to 15' AGL/1379' MSL.

HARRISONVILLE, MO

LAWRENCE SMITH MEMORIAL (LRY)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 14FEB08 (08045) (FAA)

TAKEOFF MINIMUMS:

Rwy 35, 300-1¾ or std. w/ min climb of 346' per NM to 1300.

TAKEOFF OBSTACLE NOTES:

Rwy 17, vehicle on road 660' from DER, 618' left of centerline, 15' AGL/914' MSL.
Tree 26' from DER, 448' left of centerline, 10' AGL/889' MSL.
Multiple trees beginning 178' from DER, on centerline, up to 88' AGL/937' MSL.
Multiple trees beginning 1271' from DER, 277' left of centerline, up to 53'AGL/932' MSL.
Multiple trees beginning 1722' from DER, 500' right of centerline, up to 100' AGL/959' MSL.
Rwy 35, Multiple trees beginning 69' from DER, 439' left of centerline, up to 57' AGL/984' MSL.
Vehicle on road 620' from DER, on centerline, up to 15' AGL/934' MSL.
Multiple trees beginning 572' from DER, 130' right of centerline, up to 69' AGL/987' MSL.
Multiple trees beginning 2132' from DER, 103' right of centerline, up to 85' AGL/1034' MSL.
Multiple trees beginning 3635' from DER, 877' right of centerline up to 100' AGL/1059' MSL.
Multiple trees beginning 3819' from DER, 280' left of centerline, up to 100' AGL/1099' MSL.
Trees beginning 5443' from DER, 1738' left of centerline, up to 100' AGL/1079' MSL.
Tank 1.5 NM from DER, 1141' right of centerline, 203' AGL/1153' MSL.

HIGGINSVILLE, MO

HIGGINSVILLE INDUSTRIAL MUNI (HIG)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 28SEP06 (06271) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 16, multiple trees beginning 87' from DER, 389' right of centerline, up to 100' AGL/879' MSL.
Multiple trees beginning 472' from DER, 313' left of centerline, up to 100' AGL/889' MSL.
Multiple trees beginning 626' from DER, 472' left of centerline, up to 75' AGL/854' MSL.
Rwy 34, multiple trees beginning 23' from DER, 155' right of centerline, up to 100' AGL/949' MSL.
Multiple trees beginning 1860' from DER, 76' right of centerline, up to 100' AGL/919' MSL.
Road 644' from DER, on centerline, 15' AGL/864' MSL.

HOUSTON, MO

HOUSTON MEMORIAL (M48)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 20SEP12 (12264) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 16, tree 93' from DER, 331' right of centerline, 80' AGL/1225' MSL.
Spire, roofs, and trees beginning 184' from DER, 440' left of centerline, up to 76' AGL/1257' MSL.
Rwy 34, trees beginning 180' from DER, 311' right of centerline, up to 70' AGL/1289' MSL.
Trees beginning 34' from DER, 280' left of centerline, up to 80' AGL/1281' MSL.

INDEPENDENCE, IA

JAMES H CONNELL FIELD AT INDEPENDENCE MUNI (IIB)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 5A 21MAY20 (20142) (FAA)

DEPARTURE PROCEDURE:

Rwy 18, climbing right turn heading 190° and CID R-338 to 3300 before proceeding on course.
Rwy 36, climb on heading 359° to 2200 before proceeding on course.

IOWA CITY, IA

IOWA CITY MUNI (IOW)

TAKEOFF MINIMUMS AND (OBSTACLE)DEPARTURE PROCEDURES

AMDT 4 19JUL18 (18200) (FAA)

TAKEOFF MINIMUMS:

Rwy 7, 200-1¼ or std. w/min. climb of 205' per NM to 900.
Rwy 25, 200-1¼ or std. w/min. climb of 225' per NM to 900.
Rwy 30, 200-1 or std. w/min. climb of 480' per NM to 900.

DEPARTURE PROCEDURE:

Rwy 7, climbing right turn heading 180° to intercept IOW VOR/DME R-057 to IOW VOR/DME before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 7, sign, fence beginning 39' from DER, 167' right of centerline, up to 2' AGL/655' MSL.
Fence 159' from DER, 400' left of centerline, 7' AGL/657' MSL.
Traverse way beginning 267' from DER, 2' right of centerline, up to 660' MSL.
Traverse way 317' from DER, 97' left of centerline, 660' MSL.
Traverse way 332' from DER, 215' left of centerline, 661' MSL.
Pole, tree, building beginning 429' from DER, 43' left of centerline, up to 36' AGL/686' MSL.
Tree 625' from DER, 75' right of centerline, 671' MSL.

CON'T

IOWA CITY, IA (CON'T)

IOWA CITY MUNI (IOW) (CON'T)

Rwy 7 (CON'T), trees beginning 625' from DER, 95' right of centerline, up to 677' MSL.
Trees beginning 693' from DER, 329' right of centerline, up to 689' MSL.
Trees beginning 949' from DER, 43' right of centerline, up to 698' MSL.
Trees beginning 1044' from DER, 107' left of centerline, up to 693' MSL.
Tree 1682' from DER, 272' right of centerline, 699' MSL.
Pole 1822' from DER, 903' left of centerline, 58' AGL/701' MSL.
Pole 2491' from DER, 924' right of centerline, 73' AGL/718' MSL.
Pole 2492' from DER, 322' left of centerline, 70' AGL/718' MSL.
Pole 2553' from DER, 733' right of centerline, 71' AGL/719' MSL.
Pole beginning 2604' from DER, 355' right of centerline, up to 72' AGL/721' MSL.
Pole 2733' from DER, 163' right of centerline, 73' AGL/722' MSL.
Pole 2736' from DER, 126' left of centerline, 70' AGL/719' MSL.
Pole 2806' from DER, 31' left of centerline, 75' AGL/723' MSL.
Tree 4746' from DER, 465' left of centerline, 780' MSL.
Tree 5347' from DER, 547' left of centerline, 788' MSL.
Trees beginning 5487' from DER, 72' left of centerline, up to 794' MSL.
Tree 1 NM from DER, 1162' right of centerline, 806' MSL.
Rwy 12, vegetation 83' from DER, 366' right of centerline, 652' MSL.
Fence 131' from DER, 374' left of centerline, 6' AGL/655' MSL.
Pole, traverse way, tree beginning 633' from DER, 129' left of centerline, up to 35' AGL/689' MSL.
Building, tree, traverse way beginning 783' from DER, 23' left of centerline, up to 36' AGL/692' MSL.
Pole, traverse way beginning 850' from DER, 1' right of centerline, up to 29' AGL/681' MSL.
Trees beginning 1038' from DER, 144' left of centerline, up to 697' MSL.
Trees beginning 1074' from DER, 28' left of centerline, up to 717' MSL.
Pole, tree beginning 1082' from DER, 136' right of centerline, up to 34' AGL/688' MSL.
Tree 1251' from DER, 370' right of centerline, 709' MSL.
Trees beginning 1343' from DER, 39' right of centerline, up to 721' MSL.
Tree 2016' from DER, 874' left of centerline, 719' MSL.
Trees beginning 2169' from DER, 35' left of centerline, up to 725' MSL.
Trees beginning 2226' from DER, 327' left of centerline, up to 743' MSL.
Tree, pole beginning 2734' from DER, 183' left of centerline, up to 768' MSL.
Trees beginning 3305' from DER, 1210' left of centerline, up to 769' MSL.
Rwy 25, runway light 9' from DER, 40' left of centerline, 1' AGL/684' MSL.
Runway light 9' from DER, 39' right of centerline, 1' AGL/684' MSL.
Vehicle, ground beginning 974' from DER, 437' left of centerline, up to 720' MSL.
Fence, vehicle, ground beginning 1098' from DER, 421' left of centerline, up to 12' AGL/734' MSL.
Pole 1199' from DER, 741' right of centerline, 24' AGL/735' MSL.
Pole, ground, vehicle beginning 1289' from DER, 536' left of centerline, up to 25' AGL/751' MSL.
Building, vehicle, pole beginning 1315' from DER, 173' right of centerline, up to 26' AGL/740' MSL.
Sign, vehicle beginning 1503' from DER, 103' right of centerline, up to 25' AGL/743' MSL.
Pole 1608' from DER, 519' right of centerline, 24' AGL/747' MSL.
Building, building beginning 1616' from DER, 532' left of centerline, up to 19' AGL/752' MSL.
Pole 1652' from DER, 789' left of centerline, 21' AGL/758' MSL.
Transmission line, building beginning 1665' from DER, 248' right of centerline, up to 39' AGL/754' MSL.
Tree, pole, vehicle beginning 1671' from DER, 36' right of centerline, up to 774' MSL.
Tree, vehicle, pole, building, flagpole, sign, building beginning 1753' from DER, 9' right of centerline, up to 787' MSL.
Pole, vehicle beginning 1805' from DER, 44' left of centerline, up to 24' AGL/766' MSL.
Pole, sign, vehicle, building, windmill beginning 1884' from DER, 5' left of centerline, up to 34' AGL/780' MSL.
Pole, building, sign, vehicle, building beginning 2365' from DER, 2' left of centerline, up to 45' AGL/784' MSL.
Sign, pole, tree, vehicle, building beginning 2545' from DER, 3' left of centerline, up to 51' AGL/801' MSL.
Pole, tree beginning 3325' from DER, 432' left of centerline, up to 55' AGL/805' MSL.
Pole, tree, electrical system, vehicle beginning 3449' from DER, 304' left of centerline, up to 47' AGL/809' MSL.
Tree 4405' from DER, 416' right of centerline, 797' MSL.
Trees beginning 4418' from DER, 292' right of centerline, up to 802' MSL.
Trees beginning 4565' from DER, 468' right of centerline, up to 804' MSL.
Tree, pole beginning 4589' from DER, 128' right of centerline, up to 816' MSL.
Pole 5432' from DER, 1408' left of centerline, 60' AGL/831' MSL.
Pole 5458' from DER, 1642' left of centerline, 58' AGL/833' MSL.
Tree 5793' from DER, 1598' left of centerline, 845' MSL.
Rwy 30, lighting 9' from DER, 17' left of centerline, 2' AGL/662' MSL.
Lighting, terrain beginning 9' from DER, 17' right of centerline, up to 2' AGL/662' MSL.
Pole beginning 140' from DER, 498' right of centerline, up to 28' AGL/690' MSL.
Pole 330' from DER, 455' right of centerline, 28' AGL/692' MSL.
Tree 574' from DER, 227' left of centerline, 692' MSL.
Pole, traverse way beginning 1114' from DER, 11' right of centerline, up to 41' AGL/712' MSL.
Pole, traverse way beginning 1191' from DER, 6' left of centerline, up to 34' AGL/697' MSL.
Tree 1421' from DER, 460' right of centerline, 737' MSL.
Tree, pole beginning 1450' from DER, 55' right of centerline, up to 762' MSL.
Tree 1463' from DER, 95' left of centerline, 735' MSL.
Trees beginning 1536' from DER, 267' left of centerline, up to 741' MSL.
Trees beginning 1632' from DER, 86' left of centerline, up to 749' MSL.
Trees beginning 1690' from DER, 137' right of centerline, up to 784' MSL.
CON'T

IOWA CITY, IA (CON'T)

IOWA CITY MUNI (IOW) (CON'T)

Rwy 30 (CON'T), tree, pole beginning 1723' from DER, 21' right of centerline, up to 798' MSL.
Trees beginning 1739' from DER, 90' left of centerline, up to 765' MSL.
Trees beginning 1943' from DER, 36' left of centerline, up to 774' MSL.
Trees beginning 2064' from DER, 126' right of centerline, up to 808' MSL.
Trees beginning 2325' from DER, 151' left of centerline, up to 776' MSL.
Tree 2428' from DER, 846' left of centerline, 783' MSL.
Trees beginning 2447' from DER, 33' left of centerline, up to 785' MSL.
Trees beginning 2610' from DER, 18' left of centerline, up to 799' MSL.
Tree, building beginning 2718' from DER, 141' left of centerline, up to 816' MSL.
Trees beginning 2762' from DER, 46' right of centerline, up to 826' MSL.
Tree, building beginning 2985' from DER, 18' left of centerline, up to 829' MSL.
Tree, building tower beginning 3180' from DER, 81' right of centerline, up to 830' MSL.
Trees beginning 3571' from DER, 617' right of centerline, up to 831' MSL.
Tree, pole, building beginning 3687' from DER, 0' of centerline, up to 847' MSL.
Tree, pole, building beginning 4356' from DER, 35' right of centerline, up to 849' MSL.
Tower 1.5 NM from DER, 2500' right of centerline, 258' AGL/936' MSL.

IOWA FALLS, IA

IOWA FALLS MUNI (IFA)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 12MAR09 (09071) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 13, multiple trees and buildings beginning 1092' from DER, 349' left of centerline, up to 100' AGL/1239' MSL.
Rwy 31, multiple trees and buildings beginning 1023' from DER, 750' left of centerline, up to 100' AGL/1259' MSL.

JEFFERSON, IA

JEFFERSON MUNI (EFW)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 23SEP10 (10266) (FAA)

TAKEOFF MINIMUMS:

Rwys 18, 36, NA-Environmental.
Rwy 32, 500-2 or std. w/ min. climb of 430' per NM to 1700.

TAKEOFF OBSTACLE NOTES:

Rwy 14, fence 167' from DER, 253' left of centerline, 8' AGL/1048' MSL.
Vehicle on road 755' from DER, 461' right of centerline, up to 15' AGL/1074' MSL.
Rwy 32, rising terrain beginning 16' from DER, 326' left of centerline, up to 1049' MSL.
Trees beginning 95' from DER, left and right of centerline, up to 77' AGL/1127' MSL.
Vehicle on road beginning 294' from DER, 59' right of centerline, up to 15' AGL/1059' MSL.
Antenna 968' from DER, 706' left of centerline, 58' AGL/1108' MSL.
Grain elevator 8342' from DER, 1729' left of centerline, 280' AGL/1429' MSL.

JEFFERSON CITY, MO

JEFFERSON CITY MEMORIAL (JEF)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 7 20DEC07 (07354) (FAA)

TAKEOFF MINIMUMS:

Rwy 9, 300-1¾.
Rwy 27, 300-1½ or std. w/ min. climb of 337' per NM to 900.

DEPARTURE PROCEDURE:

Rwy 9, climb heading 088° to 1200 before proceeding on course.
Rwy 12, climb heading 120° to 1100 before proceeding on course.
Rwy 27, climb heading 268° to 1100 before proceeding on course.
Rwy 30, climb heading 300° to 1000 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 9, glideslope antenna 1101' from DER, 598' right of centerline, 31' AGL/577' MSL.
Trees beginning 4022' from DER, 1487' left to 1110' right of centerline, up to 100' AGL/839' MSL.
Rwy 12, trees beginning 2134' from DER, 980' left of centerline, up to 56' AGL/603' MSL.
Rwy 27, hangar and trees beginning 600' from DER, 199' right of centerline, up to 100' AGL/739' MSL.
Antenna on bridge, tower, water treatment plant, and trees beginning 94' from DER, 113' left of centerline, up to 100' AGL/759' MSL.
Rwy 30, light on DME, sign, tower, poles, and trees beginning 617' from DER, 216' left of centerline, up to 109' AGL/649' MSL.
Vehicles on road, pole and trees beginning 397' from DER, 265' right of centerline, up to 133' AGL/681' MSL.

JOPLIN, MO

JOPLIN RGNL (JLN)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 5 07DEC17 (17341) (FAA)

DEPARTURE PROCEDURE:

Rwy 13, climb heading 134° to 1700 before turning right.

Rwy 18, climb heading 178° to 2300 before turning right.

TAKEOFF OBSTACLE NOTES:

Rwy 13, terrain 60' from DER, 496' right of centerline, 979' MSL.
Tree 476' from DER, 501' left of centerline, 989' MSL.
Tree 867' from DER, 484' right of centerline, 1008' MSL.
Tree 979' from DER, 665' right of centerline, 1017' MSL.
Tree 1057' from DER, 448' right of centerline, 1021' MSL.
Tree 1097' from DER, 594' right of centerline, 1029' MSL.
Trees beginning 1100' from DER, 614' left of centerline, up to 1028' MSL.
Trees beginning 1145' from DER, 282' right of centerline, up to 1033' MSL.
Trees beginning 1226' from DER, 47' right of centerline, up to 1036' MSL.
Tree 1332' from DER, 598' left of centerline, 1031' MSL.
Trees beginning 1405' from DER, 15' left of centerline, up to 1039' MSL.
Trees beginning 1868' from DER, 37' left of centerline, up to 1040' MSL.
Tree 2092' from DER, 249' left of centerline, 1043' MSL.
Tree 2792' from DER, 1210' right of centerline, 1048' MSL.
Rwy 18, NAVAID 515' from DER, 630' right of centerline, 12' AGL/987' MSL.
NAVAID 1160' from DER, 264' right of centerline, 23' AGL/1007' MSL.
Pole 1578' from DER, 621' left of centerline, 24' AGL/1012' MSL.
Rwy 31, transmission line, pole beginning 617' from DER, 644' left of centerline, up to 39' AGL/969' MSL.
Trees beginning 839' from DER, 416' left of centerline, up to 987' MSL.
Trees beginning 1142' from DER, 567' left of centerline, up to 995' MSL.
Trees beginning 1198' from DER, 168' left of centerline, up to 996' MSL.
Trees beginning 1271' from DER, 570' right of centerline, up to 985' MSL.
Trees beginning 1378' from DER, 797' right of centerline, up to 996' MSL.
Trees beginning 1523' from DER, 47' left of centerline, up to 999' MSL.
Tree 2090' from DER, 870' left of centerline, 1004' MSL.
Tree 2213' from DER, 1045' left of centerline, 1005' MSL.
Trees beginning 2330' from DER, 1019' left of centerline, up to 84' AGL/1019' MSL.
Rwy 36, NAVAID 4' from DER, 0' right of centerline, 1' AGL/950' MSL.
Terrain 685' from DER, 656' right of centerline, 969' MSL.

KAISER LAKE OZARK, MO

LEE C. FINE MEMORIAL (AIZ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 30MAY13 (13150) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 4, pole 366' from DER, 446' right of centerline, 17' AGL/887' MSL.
Trees beginning 333' from DER, 480' right of centerline, up to 80' AGL/913' MSL.
Trees beginning 584' from DER, 456' left of centerline, up to 80' AGL, 914' MSL.
Rwy 22, trees beginning 233' from DER, 133' right of centerline, up to 80' AGL/949' MSL.
Trees beginning 26' from DER, 350' left of centerline, up to 80' AGL/937' MSL.

KANSAS CITY, MO

CHARLES B WHEELER DOWNTOWN (MKC)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 5 28FEB19 (19059) (FAA)

TAKEOFF MINIMUMS:

Rwy 1, 300-1⅞ or std. w/min. climb of 312' per NM to 1000.
Rwy 19, std. w/min. climb of 465' per NM to 2500.
Rwy 21, 300-1⅝ or std. w/min. climb of 260' per NM to 1000.

DEPARTURE PROCEDURE:

Rwy 1, climb heading 012° to 2000 before proceeding on course.
Rwy 3, climb heading 037° to 1900 before proceeding on course.
Rwy 19, climbing right turn heading 215° to 2500 before proceeding on course.
Rwy 21, climb heading 217° to 2300 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 1, vehicle on roadway 275' from DER, 134' left of centerline, 767' MSL.
Pole 3076' from DER, 1066' right of centerline, 842' MSL.
Ol pipe on building, ol on elevator, building beginning 3990' from DER, 995' right of centerline, up to 912' MSL.
Tree 1.5 NM from DER, 1169' right of centerline, 997' MSL.
Rwy 3, NAVAID lt 10' from DER, 41' left of centerline, up to 744' MSL.
Pole, train on tracks, vehicle on roadway, tree beginning 50' from DER, 46' right of centerline, up to 39' AGL/788' MSL.
Tower, building, ant on building beginning 145' from DER, 259' left of centerline, up to 12' AGL/755' MSL.
Vehicle on roadway, tree beginning 173' from DER, 16' left of centerline, up to 761' MSL.
Poles, train on tracks beginning 285' from DER, on centerline and right, up to 49' AGL/794' MSL.
Vehicle on roadway 361' from DER, 164' left of centerline, 762' MSL.
Trains on tracks, vehicle on roadway beginning 370' from DER, 27' left of centerline, up to 780' MSL.
Pole, ol on pole, ol on hgr, ol buildings, trains on tracks beginning 596' from DER, 73' left of centerline, up to 42' AGL/785' MSL.
Tree, trains on tracks, building, poles beginning 742' from DER, 29' left of centerline, up to 797' MSL.
Tank, train on tracks, building beginning 780' from DER, 285' right of centerline, up to 66' AGL/810' MSL.
Elevator, poles, train on tracks, trees, building, ol on building beginning 827' from DER, 45' right of centerline, up to 125' AGL/865' MSL.
Ol twr 1846' from DER, 476' left of centerline, 107' AGL/848' MSL.
Towers, tank beginning 1852' from DER, 98' left of centerline, up to 108' AGL/850' MSL.
Towers beginning 3825' from DER, 131' left of centerline, up to 115' AGL/859' MSL.
Rwy 19, rod on ol building, building, vehicle on roadway beginning 182' from DER, 279' right of centerline, up to 760' MSL.
Vehicle on roadway 199' from DER, 506' left of centerline, 760' MSL.
Vehicle on roadway 355' from DER, 297' right of centerline, 761' MSL.
Vehicle on roadway 380' from DER, 177' right of centerline, 762' MSL.
Building, dam, ol on levee, driveways beginning 383' from DER, 55' right of centerline, up to 29' AGL/769' MSL.
Tree 610' from DER, 485' left of centerline, 808' MSL.
Trees beginning 1000' from DER, 132' right of centerline, up to 817' MSL.
Pole 2867' from DER, 161' left of centerline, 833' MSL.
Pole 2996' from DER, 540' right of centerline, 82' AGL/830' MSL.
Stack 3220' from DER, 420' left of centerline, 168' AGL/908' MSL.
Building, ol on building beginning 3412' from DER, 74' right of centerline, up to 141' AGL/889' MSL.
Flagpole on building, buildings, chimney beginning 4382' from DER, 178' right of centerline, up to 912' MSL.
Buildings, monument beginning 4488' from DER, 1447' left of centerline, up to 51' AGL/993' MSL.
Building 5596' from DER, 470' right of centerline, 189' AGL/937' MSL.
Building-twr 1 NM from DER, 1702' left of centerline, 100' AGL/1016' MSL.
Lt pole 1.5 NM from DER, 1294' left of centerline, 1017' MSL.
Tree 1.5 NM from DER, 1054' left of centerline, 1023' MSL.
Rwy 21, tree 52' from DER, 12' right of centerline, 745' MSL.
Vehicles on roadways, fence beginning 196' from DER, 378' right of centerline, up to 761' MSL.
Dam, driveways, vehicles on roadways, levee beginning 297' from DER, 2' right of centerline, up to 1' AGL/762' MSL.
Vehicles on roadways beginning 398' from DER, 28' left of centerline, up to 761' MSL.
Dam beginning 432' from DER, 57' right of centerline, up to 8' AGL/763' MSL.
Dam, driveways beginning 526' from DER, 53' left of centerline, up to 1' AGL/762' MSL.
Tree 964' from DER, 538' left of centerline, 781' MSL.
Trees beginning 1066' from DER, 591' left of centerline, up to 792' MSL.
Trees beginning 1486' from DER, 571' right of centerline, up to 831' MSL.
Tree 1508' from DER, 622' left of centerline, 798' MSL.
Trees beginning 1510' from DER, 20' left of centerline, up to 809' MSL.
Tree 1619' from DER, 713' right of centerline, 93' AGL/836' MSL.
Trees beginning 1642' from DER, 264' right of centerline, up to 98' AGL/841' MSL.
Cranes, ol on dome beginning 2729' from DER, 348' right of centerline, up to 98' AGL/849' MSL.
Pole 3686' from DER, 632' right of centerline, 118' AGL/858' MSL.
Chimney 4690' from DER, 1700' left of centerline, 866' MSL.
Building 4796' from DER, 1715' left of centerline, 869' MSL.
Building 4796' from DER, 1715' left of centerline, 152' AGL/898' MSL.
Elevator 5177' from DER, 810' left of centerline, 901' MSL.
Elevator 1 NM from DER, 1047' left of centerline, 164' AGL/911' MSL.
Stack 1.3 NM from DER, 588' left of centerline, 198' AGL/948' MSL.

NC-3, 25 FEB 2021 to 22 APR 2021

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)
21056
L25

KANSAS CITY, MO (CON'T)

KANSAS CITY INTL (MCI)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 27OCT05 (05300) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 1R, tree 1653' from DER, 661' left of centerline, 60' AGL/1019' MSL.
Rwy 9, tree 4544' from DER, 638' right of centerline, 100' AGL/1159' MSL.
Rwy 27, trees beginning 1066' from DER, across centerline, up to 86' AGL/1095' MSL.

KENNETT, MO

KENNETT MEMORIAL (TKX)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 06MAR14 (14065) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 2, trees beginning 1163' from DER, 502' left of centerline, up to 51' AGL/309' MSL.
Pole 1062' from DER, 417' left of centerline, 28' AGL/286' MSL.
Multiple trees beginning 1221' from DER, 324' right of centerline, up to 96' AGL/354' MSL.
Rwy 20, trees beginning 2018' from DER, 75' left of centerline, up to 62' AGL/321' MSL.
Vehicles on road 49' from DER, 405' right of centerline, 15' AGL/269' MSL.
Dead tree 1056' from DER, 324' right of centerline, 42' AGL/300' MSL.
Trees beginning 1027' from DER, 94' right of centerline, up to 53' AGL/312' MSL.
Tree line beginning 1085' from DER, 420' right of centerline, up to 40' AGL/299' MSL.
Rwy 36, hangar 64' from DER, 299' left of centerline, 21' AGL/281' MSL.
Trees beginning 98' from DER, 352' left of centerline, up to 49' AGL/309' MSL.
Sign 1050' from DER, 448' right of centerline, 45' AGL/305' MSL.

KEOKUK, IA

KEOKUK MUNI (EOK)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 28SEP06 (06271) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 8, tree 79' from DER, 513' right of centerline, 26' AGL/695' MSL.
Fence and trees 102' from DER, 298' left of centerline, 37' AGL/706' MSL.
Rwy 14, multiple trees 200' from DER, 156' left of centerline, 65' AGL/704' MSL.
Multiple trees 172' from DER, 92' right of centerline, 70' AGL/739' MSL.
Rwy 26, tree 298' from DER, 496' left of centerline, 56' AGL/695' MSL.
Tank and trees 351' from DER, 508' right of centerline, 111' AGL/790' MSL.
Rwy 32, multiple trees 303' from DER, 243' left of centerline 56' AGL/725' MSL.
Hanger and tree 281' from DER, 442' right of centerline, 61' AGL/730' MSL.

KIRKSVILLE, MO

KIRKSVILLE RGNL (IRK)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 05JUL07 (07186) (FAA)

TAKEOFF MINIMUMS:

Rwys 9, 27, NA-turf runways.

TAKEOFF OBSTACLE NOTES:

Rwy 18, multiple trees beginning 986' from DER, 278' left of centerline, up to 44' AGL/1023' MSL.
Rwy 36, multiple trees and poles beginning 935' from DER, 179' right of centerline, up to 54' AGL/1033' MSL.
Obstruction light on DME antenna 649' from DER, 269' right of centerline, 7' AGL/986' MSL.
Truck on road beginning 1081' from DER, 785' right of centerline, 17' AGL/996' MSL.
Tree 326' from DER, 473' left of centerline, 17' AGL/976' MSL.

KNOXVILLE, IA

KNOXVILLE (OXV)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 08APR10 (10098) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 15, vehicle and road beginning 49' from DER, 295' left of centerline, up to 15' AGL/937' MSL.
Trees beginning 387' from DER, 389' right of centerline, up to 100' AGL/1029' MSL.
Poles beginning 407' from DER, 224' left of centerline, up to 61' AGL/962' MSL.
Buildings beginning 506' from DER, 406' right of centerline, up to 28' AGL/948' MSL.
Trees beginning 685' from DER, 396' left of centerline, up to 100' AGL/1029' MSL.
Rwy 33, trees beginning 33' from DER, 440' left of centerline, up to 73' AGL/963' MSL.
Trees beginning 39' from DER, 465' right of centerline, up to 100' AGL/1029' MSL.
Fence beginning 86' from DER, 350' right of centerline, up to 9' AGL/930' MSL.
Vehicle and road beginning 158' from DER, 490' right of centerline, up to 15' AGL/931' MSL.

LAMAR, MO
LAMAR MUNI (LLU)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 29MAY14 (14149) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 3, sign 9' from DER, 124' left of centerline, 13' AGL/998' MSL.
Tank 16' from DER, 502' right of centerline, 13' AGL/998' MSL.
Buildings beginning 66' from DER, 333' right of centerline, up to 40' AGL/1021' MSL.
Poles beginning 198' from DER, 252' right of centerline, up to 63' AGL/1038' MSL.
Pole 752' from DER, 644' left of centerline, 32' AGL/1020' MSL.
Vehicle on road beginning 190' from DER, 216' left of centerline, up to 15' AGL/1007' MSL.
Trees beginning 846' from DER, 127' left of centerline, up to 62' AGL/1040' MSL.
Trees beginning 292' from DER, 209' right of centerline, up to 50' AGL/1045' MSL.
Rwy 17, rising terrain beginning 66' from DER, 372' left of centerline, up to 999' MSL.
Trees beginning 816' from DER, 441' left of centerline, up to 54' AGL/1049' MSL.
Trees beginning 261' from DER, 264' right of centerline, up to 67' AGL/1043' MSL.
Rwy 21, vehicle on road beginning 5' from DER, 245' left of centerline, up to 15' AGL/1021' MSL.
Telephone poles and lines beginning 593' from DER, left and right of centerline, up to 70' AGL/1064' MSL.

LAMONI, IA
LAMONI MUNI (LWD)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 20OCT11 (11293) (FAA)
DEPARTURE PROCEDURE:
Rwy 18, climb heading 177° to 1600 before turning right.
TAKEOFF OBSTACLE NOTES:
Rwy 36, trees beginning 1009' from DER, 267' right of centerline, up to 100' AGL/1200' MSL.

LE MARS, IA
LE MARS MUNI (LRJ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 31DEC20 (20366) (FAA)
DEPARTURE PROCEDURE:
Rwy 18, climbing right turn heading 265° to 3000 before proceeding on course.
Rwy 36, climb on heading 005° to 1800 before proceeding on course.
TAKEOFF OBSTACLE NOTES:
Rwy 18, vehicles on road, NAVAID beginning 6' from DER, 17' left of centerline, up to 1214' MSL.
NAVAID 9' from DER, 17' right of centerline, 3' AGL/1195' MSL.
Building, NAVAID, sign beginning 10' from DER, 37' right of centerline, up to 28' AGL/1218' MSL.
Vehicles on road beginning 91' from DER, 341' left of centerline, up to 1223' MSL.
Pole, vehicles on road, terrain beginning 337' from DER, 91' left of centerline, up to 1236' MSL.
Tree, vehicles on road, building, pole, tank beginning 760' from DER, 46' left of centerline, up to 1266' MSL.
Tree 1043' from DER, 759' right of centerline, 1227' MSL.
Tree 1180' from DER, 768' right of centerline, 1230' MSL.
Tree 1364' from DER, 764' right of centerline, 1239' MSL.
Tree 1384' from DER, 617' right of centerline, 1250' MSL.
Pole 2663' from DER, 373' left of centerline, 65' AGL/1272' MSL.
Rwy 36, terrain 6' from DER, 120' right of centerline, 1195' MSL.
Tree 149' from DER, 399' left of centerline, 1206' MSL.
Tree 1607' from DER, 840' left of centerline, 1265' MSL.
Tree 1826' from DER, 899' left of centerline, 1268' MSL.
Trees beginning 1838' from DER, 599' left of centerline, up to 1293' MSL.
Trees beginning 2042' from DER, 428' left of centerline, up to 1306' MSL.
Trees beginning 2220' from DER, 6' left of centerline, up to 1307' MSL.

LEBANON, MO
FLOYD W JONES LEBANON (LBO)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 03JUN10 (10154) (FAA)
TAKEOFF MINIMUMS:
Rwy 36, 300-1¼ or std. w/ min. climb of 245' per NM to 1600', or alternatively, with standard TAKEOFF minimums and a normal 200' per NM climb gradient, TAKEOFF must occur no later than 2000' prior to DER.
TAKEOFF OBSTACLE NOTES:
Rwy 18, multiple trees beginning 49' from DER, 388' right of centerline, up to 88' AGL/1398' MSL.
Pole 440' from DER, 409' right of centerline, up to 44' AGL/1334' MSL.
Rwy 36, multiple poles and trees beginning 151' from DER, 366' left of centerline, up to 72' AGL/1372' MSL.
Multiple trees beginning 679' from DER, 504' right of centerline, up to 67' AGL/1367' MSL.
Tower 5528' from DER, 186' right of centerline, up to 182' AGL/1472' MSL.

LEE'S SUMMIT, MO

LEE'S SUMMIT MUNI (LXT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 01FEB18 (18032) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 11, vehicle on road 6' from DER, 14' left of centerline, 1002' MSL.
Fence, terrain and vehicle on road beginning 15' from DER, 256' right of centerline, up to 1014' MSL.
Sign and terrain beginning 18' from DER, 125' left of centerline, up to 1004' MSL.
Building 139' from DER, 387' left of centerline, 27' AGL/1023' MSL.
Building 169' from DER, 334' right of centerline, 26' AGL/1018' MSL.
Trees, vehicle on road and fence beginning 179' from DER, 339' left of centerline, up to 31' AGL/1029' MSL.
Buildings and tree beginning 182' from DER, 398' right of centerline, up to 1021' MSL.
Trees beginning 447' from DER, 181' left of centerline, up to 1039' MSL.
Rwy 18, tree 1' from DER, 414' left of centerline, 1018' MSL.
Tree 29' from DER, 470' right of centerline, 991' MSL.
Trees beginning 112' from DER, 268' left of centerline, up to 75' AGL/1027' MSL.
Tree 717' from DER, 654' left of centerline, 1057' MSL.
Trees and vegetation beginning 732' from DER, 383' left of centerline, up to 1059' MSL.
Trees beginning 764' from DER, 467' right of centerline, up to 1030' MSL.
Trees, vegetation, fences and pole beginning 888' from DER, 383' left of centerline, up to 58' AGL/1062' MSL.
Trees and pole beginning 2490' from DER, 622' left of centerline, up to 1076' MSL.
Trees and pole beginning 2796' from DER, 47' left of centerline, up to 1079' MSL.
Trees and building beginning 2922' from DER, 48' left of centerline, up to 1083' MSL.
Trees and pole beginning 3047' from DER, 56' left of centerline, up to 1090' MSL.
Trees beginning 3064' from DER, 410' right of centerline, up to 1076' MSL.
Rwy 29, fence 129' from DER, 496' left of centerline, 998' MSL.
Building, tank, fence and vehicles on road beginning 140' from DER, 387' right of centerline, up to 15' AGL/1006' MSL.
Poles and vehicles on road beginning 223' from DER, 407' right of centerline, up to 25' AGL/1017' MSL.
Pole, tower and building beginning 380' from DER, 430' right of centerline, up to 1028' MSL.
Tree 515' from DER, 491' left of centerline, 1014' MSL.
Tree 538' from DER, 636' left of centerline, 1029' MSL.
Tree 1850' from DER, 991' right of centerline, 1043' MSL.
Tree 2125' from DER, 895' right of centerline, 1050' MSL.
Rwy 36, vertical structure 25' from DER, 505' right of centerline, 7' AGL/1001' MSL.
Trees and pole beginning 62' from DER, 393' right of centerline, up to 1010' MSL.
Tree 121' from DER, 517' left of centerline, 999' MSL.
Trees beginning 216' from DER, 244' left of centerline, up to 1011' MSL.
Trees beginning 424' from DER, 253' right of centerline, up to 1019' MSL.
Tree 715' from DER, 469' left of centerline, 1016' MSL.
Tree 1409' from DER, 234' right of centerline, 49' AGL/1031' MSL.

MACON, MO

MACON-FOWER MEMORIAL (K89)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 03APR14 (14093) (FAA)

TAKEOFF MINIMUMS:

Rwy 2, 300-1½ or std. w/min. climb of 254' per NM to 1200.

TAKEOFF OBSTACLE NOTES:

Rwy 2, terrain beginning 15' from DER, 82' left of centerline, up to 854' MSL.
Trees beginning 20' from DER, 268' left of centerline, up to 74' AGL/912' MSL.
Trees and telephone lines beginning 356' from DER, 70' left of centerline, up to 84' AGL/890' MSL.
Terrain beginning 4' from DER, 92' right of centerline, up to 854' MSL.
Trees beginning 46' from DER, 287' right of centerline, up to 66' AGL/914' MSL.
Trees, telephone line, and pole beginning 278' from DER, 2' right of centerline, up to 75' AGL/902' MSL.
Antenna 1.1 NM from DER, 1426' left of centerline, 202' AGL/1059' MSL.
Rwy 20, trees beginning 33' from DER, 454' left of centerline, up to 53' AGL/929' MSL.
Poles beginning 425' from DER, 133' left of centerline, up to 38' AGL/909' MSL.
Trees beginning 1111' from DER, 4' left of centerline, up to 66' AGL/928' MSL.
Trees beginning 1999' from DER, 163' left of centerline, up to 85' AGL/934' MSL.
Tree 2542' from DER, 503' left of centerline, 91' AGL/942' MSL.
Crane 42' from DER, 433' right of centerline, 13' AGL/884' MSL.
Poles beginning 498' from DER, 548' right of centerline, up to 38' AGL/912' MSL.
Poles beginning 865' from DER, 100' right of centerline, up to 38' AGL/907' MSL.
Tree 1078' from DER, 674' right of centerline, 62' AGL/933' MSL.
Trees beginning 1201' from DER, 53' right of centerline, up to 69' AGL/937' MSL.

MALDEN, MO
MALDEN RGNL (MAW)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 22OCT09 (09295) (FAA)
DEPARTURE PROCEDURE:
Rwy 32, climb heading 317° to 900 before turning left.
TAKEOFF OBSTACLE NOTES:
Rwy 14, trees 1619' from DER, 856' right of centerline, 100' AGL/394' MSL.
Rwy 18, trees 2744' from DER, 996' left of centerline, 100' AGL/394' MSL.
Trees 2766' from DER, 1042' right of centerline, 100' AGL/394' MSL.
Rwy 36, trees 2841' from DER, 1157' left of centerline, 100' AGL/399' MSL.

MAPLETON, IA
JAMES G WHITING MEMORIAL FIELD (MEY)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 11FEB10 (10042) (FAA)
TAKEOFF MINIMUMS:
Rwy 2, 400-2¾ or std. w/ min. climb of 417' per NM to 1700.
Rwy 20, 500-2¾ or std. w/ a min. climb of 249' per NM to 1700.
DEPARTURE PROCEDURE:
Rwy 2, climb heading 019° to 1700 before turning left.
Rwy 20, climb heading 199° to 1700 before turning left.
TAKEOFF OBSTACLE NOTES:
Rwy 2, tree 5817' from DER, 748' left of centerline, 100' AGL/1419' MSL.

MAQUOKETA, IA
MAQUOKETA MUNI (OQW)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1A 01MAR18 (18060) (FAA)
TAKEOFF MINIMUMS:
Rwy 33, 300-1¼ or std. w/ min. climb of 238' per NM to 1000, or alternatively with std. 200' per NM climb gradient, takeoff must occur no later than 1800 feet prior to DER.
TAKEOFF OBSTACLE NOTES:
Rwy 15, terrain beginning 175' from DER, 59' right of centerline, up to 824' MSL.
Trees beginning 2209' from DER, 222' right of centerline, up to 50' AGL/889' MSL.
Terrain beginning 94' from DER, 70' left of centerline, up to 745' MSL.
Rwy 33, multiple power lines beginning 992' from DER, left and right of centerline, up to 50' AGL/829' MSL.
Trees beginning 1423' from DER, 607' right of centerline, up to 50' AGL/909' MSL.
Terrain beginning 1030' from DER, 655' right of centerline, up to 909' MSL.

MARSHALL, MO
MARSHALL MEMORIAL MUNI (MHL)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG-A 09FEB12 (12040) (FAA)
TAKEOFF MINIMUMS:
Rwy 18, std. with a min. climb of 284' per NM to 2100, or 1300-3 for climb in visual conditions.
Rwy 36, std. with a min. climb of 263' per NM to 1500, or 1300-3 for climb in visual conditions.
DEPARTURE PROCEDURE:
Rwys 18, 36, for climb in visual conditions: Cross Marshall Memorial Muni airport at or above 1900 MSL before proceeding on course.
TAKEOFF OBSTACLE NOTES:
Rwy 18, antenna on bldg 277' from DER, 573' left of centerline, 42' AGL/811' MSL.
Light pole 230' from DER, 447' left of centerline, 32' AGL/801' MSL.
Rwy 36, trees beginning 84' from DER, 15' right and left of centerline, up to 121' AGL/892' MSL.
Poles beginning 24' from DER, 357' left and right of centerline, up to 22' AGL/446' MSL.

MARSHALLTOWN, IA
MARSHALLTOWN MUNI (MIW)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 22AUG13 (13234) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 13, runway end indicator lights 27' from DER,126' left and right of centerline, up to 5' AGL/974' MSL.
Vehicles on road beginning 37' from DER, left and right of centerline, up to 15' AGL/ 988' MSL.
Tree 96' from DER, 167' left of centerline, 19' AGL/988' MSL.
Trees beginning 1984' from DER, 777' right of centerline, up to 100' AGL/1059' MSL.
Rwy 18, vehicles on road beginning 585' from DER, left and right of centerline, up to 15' AGL/994' MSL.
Tree 1152' from DER 511' right of centerline, 100' AGL/1069' MSL.
Rwy 31, trees beginning 5' from DER, 384' right of centerline, up to 50' AGL/1029' MSL.
Trees beginning 55' from DER, 424' left of centerline, up to 36' AGL/1005' MSL.
Transmission tower 60' from DER, 478' right of centerline, 23' AGL/1002' MSL.
Rwy 36, trees beginning 191' from DER, 175' right of centerline, up to 11' AGL/981' MSL.
Trees beginning 514' from DER, 465' left of centerline, up to 44' AGL/1023' MSL.

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

MARYVILLE, MO
NORTHWEST MISSOURI RGNL (EVU)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 4 17OCT13 (13290) (FAA)
DEPARTURE PROCEDURE:
Rwy 32, climb heading 323° to 1800 before turning right.
TAKEOFF OBSTACLE NOTES:
Rwy 32, tree 436' from DER, 321' left of centerline, 58' AGL/1156' MSL.

MASON CITY, IA
MASON CITY MUNI (MCW)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG-A 12NOV15 (15316) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 12, building 1599' from DER, 461' left of centerline, 53' AGL/1233' MSL.
Tree 1619' from DER, 722' left of centerline, up to 56' AGL/1245' MSL.
Trees beginning 2919' from DER, 1006' left of centerline, up to 100' AGL/1289' MSL.
Trees beginning 2900' from DER, 978' right of centerline, up to 100' AGL/1289' MSL.
Rwy 18, trees beginning 1280' from DER, 703' left of centerline, up to 56' AGL/1236' MSL.
Trees 1652' from DER, 699' right of centerline, up to 63 AGL/1243'MSL.
Rwy 30, tree 54' from DER, 487' left of centerline, 45' AGL/1254' MSL.
Bush 69' from DER, 333' left of centerline, 7' AGL/1216' MSL.
Tree 859' from DER, 549' left of centerline, 27' AGL/1236' MSL.
Pole 899' from DER, 559' right of centerline, 26' AGL/1235' MSL.
Pole 1197' from DER, 354' right of centerline, 27' AGL/1246' MSL.
Pole 1218' from DER, 332' right of centerline, 36' AGL/1246' MSL.
Tree 1714' from DER, 167' right of centerline, 53' AGL/1272' MSL.
Tree 1798' from DER, 57' right of centerline, 53' AGL/1272' MSL.
Trees beginning 2042' from DER, 821' right of centerline, up to 100' AGL/1339' MSL.
Tree 2364' from DER, 551' right of centerline, 73' AGL/1302' MSL.
Obstruction light on building 2434' from DER, 232' right of centerline, 53' AGL/1282' MSL.
Tree 2608' from DER, 236' right of centerline, 68' AGL/1297' MSL.
Trees beginning 4008' from DER, 1487' left of centerline, up to 100' AGL/1319' MSL.
Trees beginning 4421' from DER, 961' left of centerline, up to 100' AGL/1329' MSL.

MAURICE, IA
SIOUX COUNTY RGNL (SXK)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 28FEB19 (19059) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 35, terrain 36' from DER, 163' right of centerline, 1412' MSL.
Terrain 172' from DER, 143' right of centerline, 1414' MSL.
Terrain 187' from DER, 11' left of centerline, 1414' MSL.

MEMPHIS, MO
MEMPHIS MEML (03D)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 08JAN15 (21056) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 12, trees beginning 119' from DER, 320' right of centerline, up to 80' AGL/845' MSL.
Power line poles beginning 165' from DER, 400' left of centerline, 29' AGL/836' MSL.
Trees beginning 329' from DER, 202' left of centerline, up to 60' AGL/845' MSL.
Rwy 30, road beginning 33' from DER, 250' left of centerline, 15' AGL/823' MSL.
Trees beginning 68' from DER, 252' right of centerline, up to 70' AGL/875' MSL.
Power line poles beginning 950' from DER, 449' right of centerline, 31' AGL/837' MSL.
Windsock and poles beginning 1074' from DER, 113' left of centerline, 24' AGL/845' MSL.
Trees beginning 988' from DER, 283' left of centerline, up to 70' AGL/878' MSL.
Terrain beginning 99' from DER, 169' right of centerline, up to 816' MSL.

MEXICO, MO
MEXICO MEMORIAL (MYJ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 19FEB04 (04050) (FAA)
TAKEOFF MINIMUMS:
Rwy 24, std. with a min. climb of 230' per NM to 2200, or 900-2½ for climb in visual conditions.
Rwy 36, NA, obstacles.
DEPARTURE PROCEDURE:
Rwy 24, for climb in visual conditions: cross Mexico Memorial Airport at or above 1700.
TAKEOFF OBSTACLE NOTES:
Rwy 6, multiple trees and antennas beginning 60' from DER, left and right of centerline, up to 100' AGL/902' MSL.

MILFORD, IA
FULLER (4D8)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 03JAN19 (19003)
TAKEOFF MINIMUMS:
Rwys 18, 36, NA-Environmental.
Rwy 27, 400-2½ or std. w/min. climb of 275' per NM to 2000.
TAKEOFF OBSTACLE NOTES:
Rwy 9, building abeam DER, 1182' left of centerline, 30' AGL/1469' MSL.
Building abeam DER, 383' right of centerline, 30' AGL/1469' AGL. Trees 135' from DER, 177' left of centerline, up to 50' AGL/1489' MSL.
Vehicles on road 152' from DER, 233' right of centerline, 15' AGL/1454' MSL.
Buildings beginning 1445' from DER, 6' left of centerline, up to 30' AGL/1469' MSL.
Buildings beginning 1445' from DER, 60' right of centerline, up to 30' AGL/1469' MSL.
Trees beginning 419' from DER, 35' left of centerline, up to 50' AGL/1489' MSL.
Trees beginning 532' from DER, 176' right of centerline, up to 50' AGL/1489' MSL.
Rwy 27, trees beginning 157' from DER, 135' left of centerline, up to 50' AGL/1489' MSL.
Vehicles on road 427' from DER, on centerline and left and right of centerline, up to 15' AGL/1454' MSL.
Trees beginning 451' from DER, 164' right of centerline, up to 50' AGL/1479' MSL.
Building 518' from DER, 164' left of centerline, 30' AGL/1469' MSL.
Tower 1.8 NM from DER, 3060' right of centerline, 320' AGL/1771' MSL.

MOBERLY, MO
OMAR N BRADLEY (MBY)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 30JUN11 (11181) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 5, trees 310' from DER, 326' left of centerline, 100' AGL/959' MSL.
Trees 1244' from DER, 786' left of centerline, 100' AGL/959' MSL.
Rwy 13, multiple trees beginning 1139' from DER, 212' right of centerline, up to 83' AGL/913' MSL.
Multiple trees beginning 1515' from DER, 430' left of centerline, up to 91' AGL/921' MSL.
Rwy 23, vehicle on road, 250' from DER, crossing left to right, 15' AGL/884' MSL.
Vehicle on road, 530' from DER, crossing right to left, 15' AGL/884' MSL.
Trees 1375' from DER, 146' right of centerline, 100' AGL/959' MSL.
Rwy 31, vehicle on road, 63' from DER, crossing right to left, 15' AGL/877' MSL.
Multiple trees and buildings beginning 145' from DER, 204' right of centerline, up to 77' AGL/937' MSL.
Multiple trees beginning 788' from DER, 312' right of centerline, up to 74' AGL/924' MSL.
Vehicle on road, 310' from DER, crossing left to right, 15' AGL/871' MSL.
Trees 890' from DER, 509' left of centerline, 52' AGL/892' MSL.
Building 855' from DER, 296' left of centerline, 22' AGL/888' MSL.

MONETT, MO
MONETT RGNL (HFJ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 13NOV14 (14317) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 18, fence 1' from DER, 437' left of centerline, 6' AGL/1301' MSL.
Trees beginning 542' from DER, left and right of centerline, up to 100' AGL/1379' MSL.
Rwy 36, multiple antennas, buildings, trees, light poles and hangars beginning 24' from DER, 494' right of centerline, up to 30' AGL/1346' MSL.
Tree 832' from DER, 508' right of centerline, 100' AGL/1399' MSL.

MONROE CITY, MO
CPT BEN SMITH AIRFIELD - MONROE CITY (K52)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG-A 01FEB18 (18032) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 9, tree 2845' from DER. 875' left of centerline, 100' AGL/844' MSL.
Tree 607' from DER, on centerline,80' AGL/819' MSL.
Rwy 27, tree 34' from DER, 466' right of centerline, 100' AGL/839' MSL.
Vehicle on road beginning 454' from DER, 571' right of centerline, 15' AGL/754' MSL.

MONTICELLO, IA
MONTICELLO RGNL (MXO)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 4 27DEC01 (01361) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 15, 969' MSL tree 2849' from DER, 60' right of centerline.

MONTICELLO, MO
LEWIS COUNTY RGNL (6M6)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 28SEP06 (06271) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 36, tree 2609' from DER, 980' right of centerline, 45' AGL/741' MSL.

MOSBY, MO
MIDWEST NATIONAL AIR CENTER (GPH)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 20DEC07 (07354) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 18, multiple trees beginning 1562' from DER, 16' right of centerline, up to 100' AGL/861' MSL.
Multiple trees beginning 1278' from DER, 46' left of centerline, up to 100' AGL/859' MSL.
Rwy 36, multiple trees beginning 2224' from DER, 57' right of centerline, up to 100' AGL/889' MSL.
Multiple trees beginning 2302' from DER, 231' left of centerline, up to 100' AGL/916' MSL.

MOUNT PLEASANT, IA
MOUNT PLEASANT MUNI (MPZ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 23SEP10 (10266) (FAA)
TAKEOFF MINIMUMS:
Rwys 3, 21, NA-Environmental.
Rwy 33, 400-2½ or std. w/ min. climb of 244' per NM to 1300.
TAKEOFF OBSTACLE NOTES:
Rwy 15, equipment 3' from DER, 261' right of centerline, up to 10' AGL/734' MSL.
Rwy 33, trees beginning 178' from DER, 235' right of centerline, up to 80' AGL/751' MSL.
Trees beginning 333' from DER, 209' left of centerline, up to 80' AGL/753' MSL.

MOUNTAIN GROVE, MO
MOUNTAIN GROVE MEMORIAL (1MO)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 11MAR10 (10070) (FAA)
TAKEOFF MINIMUMS:
Rwy 8, 300-1¼ or std. w/ min. climb of 221' per NM to 1700, or alternatively, with standard TAKEOFF minimums and a normal 200'/NM climb gradient, TAKEOFF must occur no later than 1600' prior to DER.
DEPARTURE PROCEDURE:
Rwy 8, climb heading 080° to 2100 before turning right.
TAKEOFF OBSTACLE NOTES:
Rwy 8, trees beginning 24' from DER, 139' right of centerline, up to 100' AGL/1639' MSL.
Trees beginning 37' from DER, 115' left of centerline, up to 100' AGL/1619' MSL.
Vehicles on road beginning 217' from DER, on centerline, up to 15' AGL/1514' MSL.
Rwy 26, trees beginning 4' from DER, 64' right of centerline, up to 100' AGL/1579' MSL.
Trees beginning 32' from DER, 81' left of centerline, up to 100' AGL/1579' MSL.

MOUNTAIN VIEW, MO
MOUNTAIN VIEW (MNF)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 4 10MAR11 (11069) (FAA)
TAKEOFF MINIMUMS:
Rwy 28,std. w/min. climb of 570' per NM to 2100 or 400-2¼ with min. climb of 373' per NM to 2100 or 900-2½ for climb in visual conditions.
DEPARTURE PROCEDURE:
Rwy 28, for climb in visual conditions cross Mountain View Airport at or above 1900 before proceeding on course.
TAKEOFF OBSTACLE NOTES:
Rwy 10, vehicle on road 1011' from DER, left to right of centerline, up to 15' AGL/ 1174' MSL.
Stadium lights beginning 762' from DER, 206' left of centerline, up to 100' AGL/1239' MSL.
Building 150' from DER, 521' left of centerline, 20' AGL/1159' MSL.
Trees beginning 336' from DER, 70' right of centerline, up to 60' AGL/1279' MSL.
Rwy 28, trees beginning 50' from DER, 126' right of centerline, up to 60' AGL/1239' MSL.
Power lines beginning 858' from DER, 208' right of centerline, up to 100' AGL/1299' MSL.
Trees beginning 191' from DER, 369' left of centerline, up to 60' AGL/1339' MSL.
Trees beginning 2043' from DER, 666' right of centerline, up to 60' AGL/1379' MSL.
Tower 1.7 NM from DER, 2174' left of centerline, 215' AGL/1531' MSL.

MUSCATINE, IA

MUSCATINE MUNI (MUT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3A 07DEC17 (17341) (FAA)

TAKEOFF MINIMUMS:

Rwy 24, 300-2, or std. w/min. climb of 220 feet per NM to 1000.

Rwy 30, 300-1⅝, or std. w/min. climb of 310 feet per NM to 1000.

DEPARTURE PROCEDURE:

Rwy 6, climb heading 060° to 2300 before proceeding on course.

Rwy 12, climb heading 123° to 2300 before proceeding on course.

Rwy 24, climb heading 240° to 2300 before proceeding on course.

Rwy 30, climb heading 306° to 2300 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 6, tree 635' from DER, 549' right of centerline, 560' MSL.
Tree 1422' from DER, 640' right of centerline, 582' MSL.
Rwy 12, ground 28' from DER, 211' right of centerline, 544' MSL.
Building, tree beginning 733' from DER, 586' right of centerline, up to 577' MSL.
Rod on OL tower, AWOS beginning 1122' from DER, 744' left of centerline, up to 580' MSL.
Pole 1122' from DER, 744' left of centerline, 34' AGL/578' MSL.
Rwy 24, tree 218' from DER, 531' left of centerline, 567' MSL.
Tree 1922' from DER, 421' right of centerline, 594' MSL.
Tree 1949' from DER, 271' right of centerline, 599' MSL.
Trees beginning 2566' from DER, 326' left of centerline, up to 616' MSL.
Tree 1.4 NM from DER, 1830' right of centerline, 768' MSL.
Trees beginning 1.4 NM from DER, 2028' left of centerline, up to 780' MSL.
Tree 1.5 NM from DER, 683' left of centerline, 789' MSL.
Trees beginning 1.5 NM from DER, 2257' right of centerline, up to 794' MSL.
Tree 1.5 NM from DER, 602' left of centerline, 795' MSL.
Tree 1.5 NM from DER, 2856' right of centerline, 802' MSL.
Trees beginning 1.6 NM from DER, 403' left of centerline, up to 807' MSL.
Tree 1.7 NM from DER, 1965' right of centerline, 810' MSL.
Tree 1.7 NM from DER, 3227' right of centerline, 815' MSL.
Tree 1.7 NM from DER, 1971' right of centerline, 815' MSL.
Tree 1.7 NM from DER, 355' left of centerline, 827' MSL.
Rwy 30, NAVAID, REIL beginning 20' from DER, 79' left of centerline, up to 1' AGL/537' MSL.
Fence beginning 28' from DER, 499' right of centerline, up to 543' MSL.
Tree, fence beginning 54' from DER, 500' left of centerline, up to 544' MSL.
Tree 383' from DER, 333' right of centerline, 546' MSL.
Trees beginning 420' from DER, 485' left of centerline, up to 577' MSL.
Tree, building, elevator beginning 658' from DER, 308' left of centerline, up to 591' MSL.
Pole beginning 1752' from DER, 826' right of centerline, up to 56' AGL/593' MSL.
Trees beginning 1.2 NM from DER, 2284' left of centerline, up to 757' MSL.
Tree 1.2 NM from DER, 2386' left of centerline, 779' MSL.
Trees beginning 1.2 NM from DER, 2062' left of centerline, up to 821' MSL.
Trees beginning 1.3 NM from DER, 1392' left of centerline, up to 837' MSL.
Trees beginning 1.3 NM from DER, 1044' left of centerline, up to 846' MSL.
Trees beginning 1.3 NM from DER, 1363' left of centerline, up to 847' MSL.
Trees beginning 1.3 NM from DER, 1136' left of centerline, up to 848' MSL.
Tree, building, ground beginning 1.3 NM from DER, 0' of centerline, up to 852' MSL.
Trees beginning 1.5 NM from DER, 41' right of centerline, up to 857' MSL.
Tree, ground, pole beginning 1.5 NM from DER, 51' left of centerline, up to 860' MSL.
Trees beginning 1.6 NM from DER, 117' left of centerline, up to 861' MSL.
Tree 2 NM from DER, 418' left of centerline, 852' MSL.

NEOSHO, MO

NEOSHO HUGH ROBINSON (EOS)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 25AUG11 (11237) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 1, trees beginning 89' from DER, 431' left of centerline, up to 120' AGL/1339' MSL.
Trees and power poles beginning 584' from DER, 166' right of centerline, up to 120' AGL/1283' MSL.
Rwy 19, multiple trees and towers beginning 142' from DER, 465' right of centerline, up to 183' AGL/1403' MSL.
Vehicles on road beginning 318' from DER, left and right of centerline, up to 17' AGL/1276' MSL.

NEVADA, MO

NEVADA MUNI (NVD)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 23SEP10 (10266) (FAA)

TAKEOFF MINIMUMS:

Rwys 13, 31, NA-Environmental.

TAKEOFF OBSTACLE NOTES:

Rwy 2, trees beginning 2000' from DER, left and right of centerline, up to 56' AGL/945' MSL.

NEW MADRID, MO
COUNTY MEMORIAL (EIW)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1A 21JUN18 (18172) (FAA)
DEPARTURE PROCEDURE:
Rwy 18, east departures (010° CW 170°) climb heading 180° to 1200, before proceeding on course.
Rwy 36, east departures (010° CW 170°) climb heading 360° to 1200, before proceeding on course.
TAKEOFF OBSTACLE NOTES:
Rwy 18, pole 280' from DER, 262' right of centerline, 29' AGL/323' MSL.
Building 329' from DER, 292' left of centerline, 13' AGL/308' MSL.
Tree, building, pole beginning 358' from DER, 302' left of centerline, up to 50' AGL/345' MSL.
Trees beginning 467' from DER, 88' left of centerline, up to 63' AGL/358' MSL.
Tree, pole beginning 491' from DER, 225' right of centerline, up to 63' AGL/357' MSL.
Rwy 36, tree 17' from DER, 273' left of centerline, 8' AGL/302' MSL.
Trees beginning 57' from DER, 225' right of centerline, up to 13' AGL/306' MSL.
Tree 2170' from DER, 745' left of centerline, 77' AGL/368' MSL.

NEWTON, IA
NEWTON MUNI-EARL JOHNSON FIELD (TNU)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG-A 21JUL16 (16203) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 14, truck on road 3112' from DER, 1243' right of centerline, 15' AGL/964' MSL.
Tree 7519' from DER, multiple trees beginning 2996' from DER, 1200' left of centerline, up to 100' AGL/1059' MSL.
Rwy 32, trees 10' from DER, 437' left of centerline, 30' AGL/989' MSL.
Sign 126' from DER, 490' right of centerline, 8' AGL/967' MSL.
Truck on road 302' from DER, 513' right of centerline, 17' AGL/976' MSL.
Multiple trees beginning 531' from DER, 439' right of centerline, up to 32' AGL/991' MSL.

OELWEIN, IA
OELWEIN MUNI (OLZ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 31MAY12 (12152) (FAA)
TAKEOFF MINIMUMS:
Rwys 18,36, NA - environmental.
DEPARTURE PROCEDURE:
Rwy 13, climb heading 133° to 2100 before turning left.
Rwy 31, climb heading 313° to 1500 before turning right.
TAKEOFF OBSTACLE NOTES:
Rwy 13, rising terrain beginning 42' from DER, left and right of centerline, up to 1079' MSL.
Trees 1972' from DER, 32' right of centerline, up to 100' AGL/1149' MSL.
Rwy 31, vehicle on road 357' from DER, left and right of centerline, up to 15' AGL/1094' MSL.
Poles beginning 1075' from DER, 299' right of centerline, up to 30' AGL/1109' MSL.

OSAGE BEACH, MO
GRAND GLAIZE-OSAGE BEACH (K15)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 08FEB90 (90039) (FAA)
DEPARTURE PROCEDURE:
Rwys 14, 32, maintain runway heading to 1200 before turning on course.

OSCEOLA, IA
OSCEOLA MUNI (I75)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 15DEC11 (11349) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 18, navaid and road beginning 40' from DER, 49' left of centerline, up to 12' AGL/1131' MSL.
Navaid, trees, and road beginning 12' from DER, 3' right of centerline, up to 13' AGL/1132' MSL.
Rwy 36, trees beginning 794' from DER, 225' left of centerline, up to 57' AGL/1166' MSL.
Trees and pole beginning 581' from DER, 415' right of centerline, up to 48' AGL/1157' MSL.

OSKALOOSA, IA
OSKALOOSA MUNI (OOA)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 22OCT09 (09295) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 13, tree 262' from DER, 477' left of centerline, 100' AGL/939' MSL.
Rwy 31, windsock 3' from DER, 357' right of centerline, 13' AGL/852' MSL.
NAV 39' from DER, 168' right of centerline, 5' AGL/839' MSL.
Tree 988' from DER, 525' right of centerline, 100' AGL/949' MSL.
Tree 2056' from DER, 609' right of centerline, 59' AGL/893' MSL.

OTTUMWA, IA
OTTUMWA RGNL (OTM)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG-A 22SEP11 (11265) (FAA)
TAKEOFF MINIMUMS:
Rwys 4,22, NA-Runway data.
TAKEOFF OBSTACLE NOTES:
Rwy 13, pole 2026' from DER, 961' left of centerline, 60' AGL/898' MSL.
Rwy 31, trees beginning 792' from DER, 658' left of centerline, up to 65' AGL/885'MSL.
Trees beginning 1571' from DER, 796' right of centerline, up to 100' AGL/919' MSL.

PELLA, IA
PELLA MUNI (PEA)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 20NOV08 (08325) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 16, trees, buildings and ground beginning 9' from DER, 144' left of centerline, up to 100' AGL/979' MSL.
Trees beginning 54' from DER, 193' right of centerline, up to 100' AGL/959' MSL.
Rwy 34, trees and poles beginning 838' from DER, 135' left of centerline, up to 100' AGL/979' MSL.
Trees and poles beginning 226' from DER, 296' right of centerline, up to 100' AGL/989' MSL.
Vehicle on road at DER, 499' right of centerline, 15' AGL/895' MSL.

PERRY, IA
PERRY MUNI (PRO)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 25SEP08 (08269) (FAA)
TAKEOFF MINIMUMS:
Rwys 4, 22, NA-Environmental.
TAKEOFF OBSTACLE NOTES:
Rwy 14, tree 40' from DER, 180' left of centerline, 13' AGL/1017' MSL.
Rwy 32, trees beginning 1882' from DER, 917' left of centerline, up to 100' AGL/1099' MSL.
Vehicles beginning 565' from DER, right to left of centerline, up to 17' AGL/1036' MSL.

PERRYVILLE, MO
PERRYVILLE RGNL (PCD)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG-A 02MAR17 (17061) (FAA)
TAKEOFF MINIMUMS:
Rwy 2, 400-2¾ or std. w/ min. climb of 215' per NM to 900 or alternatively, with standard takeoff minimums and normal 200'/NM climb gradient, takeoff must occur no later than 1800' prior to DER.
Rwy 20, 400-2½ or std. w/ min. climb of 300' per NM to 800.
DEPARTURE PROCEDURE:
Rwy 2, climb heading 017° to 1200 before proceeding on course.
Rwy 20, climb heading 197° to 900 before turning left.
TAKEOFF OBSTACLE NOTES:
Rwy 2, vehicles on road beginning 2' from DER, 478' right of centerline, up to 384' MSL.
Tree 324' from DER, 458' left of centerline, 379' MSL.
Tree 2 NM from DER, 2562' right of centerline, 713' MSL.
Rwy 20, vehicles on road beginning 483' from DER, left and right of centerline, up to 15' AGL/386' MSL.
Trees beginning 1.1 NM from DER, 354' right of centerline, up to 628' MSL.
Tree 1.3 NM from DER, 1880' left of centerline, 594' MSL.
Trees beginning 1.5 NM from DER, left and right of centerline, up to 680' MSL.
Trees beginning 1.6 NM from DER, left and right of centerline, up to 684' MSL.
Tree 1.7 NM from DER, 16' right of centerline, 714' MSL.
Tree 1.8 NM from DER, 2922' left of centerline, 670' MSL.

POCAHONTAS, IA
POCAHONTAS MUNI (POH)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 25AUG11 (11237) (FAA)
TAKEOFF MINIMUMS:
Rwys 18, 36, NA-Environmental.
TAKEOFF OBSTACLE NOTES:
Rwy 12, road beginning 499' from DER, 70' left of centerline, 15' AGL/1238' MSL.
Poles beginning 324' from DER, 404' left and right of centerline, up to 32' AGL/1252' MSL.
Terrain 27' from DER, 486' right of centerline, 1222' MSL.
Rwy 30, tower 1744' from DER, 765' right of centerline, 185' AGL/ 1375' MSL.
Wind sock 122' from DER, 431' right of centerline, 28' AGL/1254' MSL.
Tank 85' from DER, 331' right of centerline, 5' AGL/1231' MSL.

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

POPLAR BLUFF, MO

POPLAR BLUFF RGNL BUSINESS (POF)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 30AUG07 (20310) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 18, multiple trees beginning 511' from DER, 515' right of centerline, up to 95' AGL/420' MSL.
Multiple trees beginning 878' from DER, 109' left of centerline, up to 103' AGL/428' MSL.
Rwy 36, multiple trees beginning 1163' from DER, 340' right of centerline, up to 66' AGL/391' MSL.
Multiple trees beginning 1191' from DER, 92' left of centerline, up to 79' AGL/404' MSL.

POTOSI, MO

WASHINGTON COUNTY (8WC)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 10MAR11 (11069) (FAA)

TAKEOFF MINIMUMS:

Rwy 20, 500-2½ or std. w/ min. climb of 270' per NM to 1600.

DEPARTURE PROCEDURE:

Rwy 2, climb heading 019° to 1600 before turning left.

TAKEOFF OBSTACLE NOTES:

Rwy 20, trees beginning 103' from DER, 464' right of centerline, up to 60' AGL/1308' MSL.
Trees beginning 1222' from DER, 242' left of centerline, up to 60' AGL/1279' MSL.
Vehicles on roadway 942' from DER, right and left of centerline, up to 15' AGL/994' MSL.
Lookout tower 2.1 NM from DER,138' right of centerline, 132' AGL/1380' MSL.

RED OAK, IA

RED OAK MUNI (RDK)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 22SEP11 (11265) (FAA)

TAKEOFF MINIMUMS:

Rwys 13,31, NA - Environmental.
Rwy 5, 600-2¾ or std. with min. climb of 287' per NM to 1800.
Rwy 23, 300-1¾ or std. with min. climb of 263' per NM to 1500.
Rwy 35, 300-2 or std. w/min. climb of 284' per NM to 1400.

DEPARTURE PROCEDURE:

Rwy 5, climb heading 054° to 1800 before proceeding eastbound.

TAKEOFF OBSTACLE NOTES:

Rwy 5, towers, trees, pole and windmill beginning 1744' from DER, 51' right of centerline, up to 370' AGL/1557' MSL.
Vehicles on road, trees and fence beginning 45' from DER, 150' left of centerline, up to 100' AGL/1144' MSL.
Rwy 17, train on railroad track and trees beginning 1095' from DER, on centerline, up to 100' AGL/1160' MSL.
Rwy 23, terrain, train on railroad track, trees and poles beginning 61' from DER, 30' right of centerline, up to 100' AGL/1319' MSL.
Train on railroad track and trees beginning 1111' from DER, 33' left of centerline, up to 67' AGL/1168' MSL.
Rwy 35, vehicles on road beginning 700' from DER, on centerline, 15' AGL/1070' MSL.
Hangers, trees, power poles, buildings and silos beginning 435' from DER, 323' right of centerline, up to 100' AGL/1269' MSL.
Terrain, power pole and trees beginning 828' from DER, 564' left of centerline, up to 100' AGL/1319' MSL.

ROCK RAPIDS, IA

ROCK RAPIDS MUNI (RRQ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 02JUN88 (88154) (FAA)

TAKEOFF MINIMUMS:

Rwy 16, 300-1.

ROLLA/VICHY, MO

ROLLA NATIONAL (VIH)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 23SEP10 (10266) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 13, multiple trees and vehicle on road beginning 465' from DER, 170' left of centerline, up to 68' AGL/1208' MSL.
Multiple trees, sign, and vehicle on road beginning 297' from DER, 138' right of centerline, up to 68' AGL/1208' MSL.
Rwy 22, multiple trees, terrain, and vehicle on road beginning 161' from DER, 168' left of centerline, up to 107' AGL/1187' MSL.
Power pole, terrain, and vehicle on road beginning 126' from DER, 217' right of centerline, up to 36' AGL/1176' MSL.
Vehicle on road 613' from DER, on centerline, 15' AGL/1157' MSL.
Rwy 31, multiple trees, terrain, and vehicle on road beginning 230' from DER, 91' left of centerline, up to 30' AGL/1170' MSL.
Multiple trees beginning 779' from DER, 435' right of centerline, up to 58' AGL/1178' MSL.
Vehicle on road 611' from DER, on centerline, 15' AGL/1156' MSL.

SAC CITY, IA

SAC CITY MUNI (SKI)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 03JUN10 (10154) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 18, trees beginning 675' from DER, 673' right of centerline, up to 50' AGL/1279' MSL.
Rwy 32, vehicles on road beginning 349' from DER, 584' right of centerline, up to 15' AGL/1264' MSL.
Rwy 36, vehicles on road beginning 562' from DER, left and right of centerline, up to 15' AGL/1264' MSL.

ST. CHARLES, MO

ST. CHARLES COUNTY SMARTT (SET)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 27OCT05 (05300) (FAA)

TAKEOFF MINIMUMS:

Rwy 36, std. with a min. climb of 262' per NM to 1300, OR 900-2½ for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 36, for climb in visual conditions: cross St. Charles County Smartt airport at or above 1300 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 36, tree 2.3 NM from DER, 3932' right of centerline, 100' AGL/891' MSL.

ST. JOSEPH, MO

ROSECRANS MEMORIAL (STJ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 8 01FEB18 (18032) (FAA)

TAKEOFF MINIMUMS:

Rwy 31, 400-2¼ or std. w/ min. climb of 340' per NM to 1300.

DEPARTURE PROCEDURE:

Rwy 13, climb heading 132° to 1600 before turning left.

TAKEOFF OBSTACLE NOTES:

Rwy 13, electrical system 3' from DER, 47' left of centerline, 2' AGL/813' MSL.
Trees beginning 66' from DER, 456' right of centerline, up to 817' MSL.
Tree 2056' from DER, 231' left of centerline, 863' MSL.
Tower 2247' from DER, 1075' left of centerline, 61' AGL/870' MSL.
Tree 3088' from DER, 1028' left of centerline, 889' MSL.
Tree 3495' from DER, 1434' right of centerline, 914' MSL.
Rwy 17, NAVAID 56' from DER, 115' right of centerline, 7' AGL/817' MSL.
NAVAID 57' from DER, 115' left of centerline, 5' AGL/816' MSL.
Trees beginning 870' from DER, 627' right of centerline, up to 897' MSL.
Tree 880' from DER, 657' left of centerline, 852' MSL.
Trees beginning 2689' from DER, 760' left of centerline, up to 915' MSL.
Tree 2769' from DER, 1216' right of centerline, 900' MSL.
Trees beginning 2773' from DER, 1019' right of centerline, up to 920' MSL.
Rwy 31, electrical system 11' from DER, 1' right of centerline, 2' AGL/813' MSL.
Tree 401' from DER, 491' right of centerline, 840' MSL.
Trees beginning 916' from DER, 301' right of centerline, up to 848' MSL.
Tree 2542' from DER, 1173' left of centerline, 899' MSL.
Trees beginning 4061' from DER, 1132' left of centerline, up to 927' MSL.
Trees beginning 5143' from DER, 1689' left of centerline, up to 954' MSL.
Trees and terrain beginning 5260' from DER, 675' left of centerline, up to 1037' MSL.
Trees and terrain beginning 1 NM from DER, 499' left of centerline, up to 1047' MSL.
Tree 1 NM from DER, 1090' left of centerline, 1057' MSL.
Trees and terrain beginning 1 NM from DER, 464' left of centerline, up to 1072' MSL.
Trees, terrain, windmill and pole beginning 1.1 NM from DER, 9' left of centerline, up to 1095' MSL.
Trees beginning 1.1 NM from DER, 23' right of centerline, up to 1029' MSL.
Trees beginning 1.2 NM from DER, 57' right of centerline, up to 1044' MSL.
Rwy 35, NAVAIDs beginning 40' from DER, 150' left of centerline, up to 9' AGL/832' MSL.
NAVAIDs beginning 41' from DER, 150' right of centerline, up to 10' AGL/833' MSL.
Trees beginning 1742' from DER, 613' right of centerline, up to 876' MSL.

ST. LOUIS, MO

CREVE COEUR (1H0)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2A 19JUL18 (18200) (FAA)

TAKEOFF MINIMUMS:
Rwy 16, 300-2¼ or std. w/min. climb of 206' per NM to 800, or alternatively, with std. takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1300' prior to DER.
Rwy 34, 300-2¼ or std. w/min. climb of 355' per NM to 900.

DEPARTURE PROCEDURE:
Rwy 34, climb heading 338° to 1100 before proceeding on course.

TAKEOFF OBSTACLE NOTES:
Rwy 16, vehicle on road, pole and trees beginning 200' from DER, 219' right of centerline, up to 100' AGL/546' MSL.
Trees beginning 100' from DER, 356' left of centerline, up to 100' AGL/719' MSL.
Rwy 34, multiple trees beginning 1847' from DER, 418' right of centerline up to 100' AGL/749' MSL.
Levee and trees beginning 744' from DER, 275' left of centerline, up to 90' AGL/612' MSL.

ST LOUIS LAMBERT INTL (STL)

TAKEOFF MINIMUMS AND (OBSTACLE)DEPARTURE PROCEDURES
AMDT 3 14SEP17 (17257)

TAKEOFF MINIMUMS:
Rwy 11, 200-1 or std. w/min. climb of 370' per NM to 900.
Rwy 30L, 200-1 or std. w/min. climb of 245' per NM to 800.
Rwy 30R, 200-1⅜ or std. w/min. climb of 230' per NM to 800.

TAKEOFF OBSTACLE NOTES:
Rwy 6, railroad 577' from DER, 621' left of centerline, 557' MSL.
General utility and pole beginning 1037' from DER, 632' right of centerline, up to 22' AGL/573' MSL.
Building 2478' from DER, 1008' right of centerline, 60' AGL/598' MSL.
Rwy 11, building 2347' from DER, 545' left of centerline, 67' AGL/616' MSL.
Tree 2362' from DER, 690' right of centerline, 619' MSL.
Tree 2680' from DER, 690' right of centerline, 632' MSL.
Tree 2756' from DER, 781' right of centerline, 641' MSL.
Tree and poles beginning 3013' from DER, 206' left of centerline, up to 68' AGL/650' MSL.
Tree 3066' from DER, 704' right of centerline, 658' MSL.
Sign, building, and tree beginning 4349' from DER, 488' right of centerline, up to 65' AGL/680' MSL.
Control tower 5016' from DER, 1524' left of centerline, 219' AGL/774' MSL.
Building 5293' from DER, 685' right of centerline, 98' AGL/692' MSL.
Building 5517' from DER, 527' right of centerline, 114' AGL/694' MSL.
Rwy 12L, tree 1330' from DER, 666' right of centerline, 654' MSL.
Rwy 12R, traffic signal 1413' from DER, 702' right of centerline, 636' MSL.
Tree 1930' from DER, 372' left of centerline, 636' MSL.
Sign 2801' from DER, 870' right of centerline, 96' AGL/672' MSL.
Rwy 30L, vehicles on road, NAVAID, and antenna on building beginning 283' from DER, on centerline, up to 571' MSL.
Vehicles on road and traffic signal beginning 836' from DER, 217' right of centerline, up to 580' MSL.
Vehicles on road 906' from DER, 600' left of centerline, 569' MSL.
Terrain beginning 1375' from DER, 672' right of centerline, up to 592' MSL.
Pole 1685' from DER, 640' left of centerline, 39' AGL/585' MSL.
Tree and pole beginning 2466' from DER, 604' right of centerline, up to 648' MSL.
Tree 3231' from DER, 791' right of centerline, 654' MSL.
Tree 3507' from DER, 818' left of centerline, 663' MSL.
Tree 3666' from DER, 788' right of centerline, 665' MSL.
Tree and pole beginning 4487' from DER, 614' right of centerline, up to 684' MSL.
Tree 5174' from DER, 404' left of centerline, 697' MSL.
Rwy 30R, electrical system 1376' from DER, 710' right of centerline, 34' AGL/567' MSL.
Tower 1896' from DER, 899' left of centerline, 54' AGL/587' MSL.
Buildings beginning 1963' from DER, 561' right of centerline, up to 81' AGL/611' MSL.
Tree 4051' from DER, 930' right of centerline, 631' MSL.
Trees beginning 4188' from DER, 1204' right of centerline, up to 657' MSL.
Tree 4694' from DER, 520' right of centerline, 658' MSL.
Tree 4733' from DER, 1418' right of centerline, 668' MSL.
Tree 5095' from DER, 389' right of centerline, 670' MSL.
Tree 5755' from DER, 1093' right of centerline, 687' MSL.
Tree 1 NM from DER, 345' right of centerline, 693' MSL.
Tree 1.1 NM from DER, 1120' right of centerline, 714' MSL.

NC-3, 25 FEB 2021 to 22 APR 2021

ST. LOUIS, MO (CON'T)

SPIRIT OF ST. LOUIS (SUS)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 27JUN13 (13178) (FAA)

TAKEOFF MINIMUMS:

Rwy 8R, 200-1¼ or std. w/ min. climb of 238' per NM to 700.

Rwy 26L, 300-2 or std. w/ min. climb of 231' per NM to 900.

TAKEOFF OBSTACLE NOTES:

Rwy 8L, fence 46' from DER, 338' right of centerline, 8' AGL/465' MSL.
Building 174' from DER, 498' right of centerline, 38' AGL/495' MSL.
Tree 383' from DER, 426' right of centerline, 31' AGL/488' MSL.
OL on pole 1215' from DER, 96' right of centerline, 43' AGL/496' MSL.
Multiple poles beginning 1202' from DER, 231' right of centerline, up to 48' AGL/498' MSL.
Trees beginning 1245' from DER, 52' left of centerline, up to 80' AGL/533' MSL.
Trees beginning 1229' from DER, 95' right of centerline, up to 60' AGL/516' MSL.
Rwy 8R, antenna 263' from DER, 557' left of centerline, 40' AGL/487' MSL.
Railroad car 752' from DER, 19' left of centerline, 23' AGL/482' MSL.
Antenna on building 142' from DER, 241' left of centerline, 8' AGL/470' MSL.
Trees 5357' from DER, 1793' right of centerline, up to 100' AGL/626' MSL.
Rwy 26L, tree 2240' from DER, 508' right of centerline, 58' AGL/521' MSL.
Tree 1.7 NM from DER, 2670' left of centerline, 100' AGL/759' MSL.
Rwy 26R, tree 33' from DER, 430' right of centerline, up to 9' AGL/464' MSL.
Multiple poles beginning 1269' from DER, left and right of centerline, up to 68' AGL/518' MSL.
Trees beginning 1999' from DER, right and left of centerline, up to 154' AGL/601' MSL.

SALEM, MO

SALEM MEMORIAL (K33)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 20OCT11 (11293) (FAA)

TAKEOFF MINIMUMS:

Rwy 17, 400-2¼ or std. w/min. climb of 300'per NM to 1500.

TAKEOFF OBSTACLE NOTES:

Rwy 17, trees beginning 675' from DER, 675' left of centerline, up to 100' AGL/1349' MSL.
Tree 911' from DER, 290' right of centerline, 34' AGL/1275' MSL.
Power line beginning 942' from DER, 745' left of centerline, up to 120' AGL/1369' MSL.
Rwy 35, tree 770' from DER, 120' right of centerline, 28' AGL/1249' MSL.

SEDALIA, MO

SEDALIA RGNL (DMO)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 22AUG13 (13234) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 5, trees beginning 238' from DER, 121' right of centerline, up to 71' AGL/950' MSL.
Tree 2388' from DER, 355' left of centerline, 77' AGL/946' MSL.
Buildings beginning 70' from DER, 447' left of centerline, up to 17' AGL/906' MSL.
Rwy 18, trees beginning 88' from DER, left and right of centerline, up to 61' AGL/970' MSL.
Rwy 23, trees beginning 6' from DER, left and right of centerline, up to 78' AGL/991' MSL.
Vehicle on road, 23' from DER 504' left of centerline, 8' AGL/927' MSL.
Communication tower 4771' from DER, 582' right of centerline, 163' AGL/1032' MSL.
Rwy 36, trees beginning 583' from DER, 598' right of centerline, up to 68' AGL/ 927' MSL.
Terrain beginning 151' from DER, 307' left of centerline, up to 889' MSL.

SHELDON, IA

SHELDON RGNL (SHL)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 22JUN17 (17173) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 15, light pole 9' from DER, 17' left of centerline, 1' AGL/1413' MSL.
Light pole 10' from DER, 27' right of centerline, 1' AGL/1413' MSL.
Trees beginning 1345' from DER, 422' left of centerline, up to 1473' MSL.
Trees beginning 2977' from DER, 357' left of centerline, up to 1497' MSL.
Rwy 33, light pole beginning 9' from DER, 16' left of centerline, up to 1' AGL/1421' MSL.
Light pole beginning 9' from DER, 18' right of centerline, up to 1' AGL/1420' MSL.
Building, light pole beginning 14' from DER, 74' left of centerline, up to 23' AGL/1441' MSL.
Bush [tmp] 14' from DER, 178' right of centerline, 1423' MSL.
Tree, beacon beginning 31' from DER, 459' left of centerline, up to 1479' MSL.
Antenna on airport beacon, tree, road (n), railroad beginning 55' from DER, 43' left of centerline, up to 1481' MSL.
Bush [tmp] 136' from DER, 196' right of centerline, 1425' MSL.
Bush [tmp] 195' from DER, 350' right of centerline, 1427' MSL.
Road (n) beginning 435' from DER, 166' right of centerline, up to 1436' MSL.
Tree 959' from DER, 366' right of centerline, 1447' MSL.
Tree 1026' from DER, 520' right of centerline, 1464' MSL.
Trees beginning 1027' from DER, 456' right of centerline, up to 1467' MSL.

SHENANDOAH, IA

SHENANDOAH MUNI (SDA)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 03JAN19 (19003) (FAA)

TAKEOFF MINIMUMS:

Rwy 4, 500-3 or std. w/min. climb of 260' per NM to 1700.
Rwy 12, 500-2¾ or std. w/min. climb of 285' per NM to 1600.
Rwy 30, 300-1½ or std. w/min. climb of 255' per NM to 1300.

TAKEOFF OBSTACLE NOTES:

Rwy 4, building 70' from DER, 398' right of centerline, 10' AGL/984' MSL.
Tree 73' from DER, 192' left of centerline, 978' MSL.
Tree 175' from DER, 391' left of centerline, 979' MSL.
Tree 281' from DER, 403' left of centerline, 981' MSL.
Pole 412' from DER, 330' right of centerline, 1007' MSL.
Tree, pole beginning 551' from DER, 263' left of centerline, up to 992' MSL.
Pole 620' from DER, 470' right of centerline, 1010' MSL.
Tree 822' from DER, 646' right of centerline, 1022' MSL.
Tree 1612' from DER, 508' right of centerline, 1034' MSL.
Vegetation beginning 4706' from DER, 1686' right of centerline, up to 100' AGL/1104' MSL.
Tower 2.5 NM from DER, 3152' right of centerline, 491' AGL/1463' MSL.
Rwy 12, vegetation 27' from DER, 233' left of centerline, 974' MSL.
Vegetation 71' from DER, 336' left of centerline, 976' MSL.
Pole, tree beginning 74' from DER, 124' left of centerline, up to 28' AGL/998' MSL.
Tree 75' from DER, 91' right of centerline, 984' MSL.
Tree 96' from DER, 522' right of centerline, 986' MSL.
Trees beginning 106' from DER, 390' right of centerline, up to 18' AGL/990' MSL.
Other, tree beginning 3998' from DER, 62' right of centerline, up to 1100' MSL.
Other 5011' from DER, 68' left of centerline, 1115' MSL.
Other 5490' from DER, 691' right of centerline, 1110' MSL.
Tower 2.1 NM from DER, 2334' left of centerline, 311' AGL/1430' MSL.
Rwy 22, vegetation 101' from DER, 170' right of centerline, 972' MSL.
Fence 200' from DER, 392' left of centerline, 7' AGL/967' MSL.
Catenary, pole beginning 965' from DER, 253' left of centerline, up to 999' MSL.
Tree 2023' from DER, 507' left of centerline, 1030' MSL.
Rwy 30, vegetation 73' from DER, 305' right of centerline, 959' MSL.
Trees beginning 117' from DER, 318' right of centerline, up to 31' AGL/981' MSL.
Trees beginning 305' from DER, 217' left of centerline, up to 970' MSL.
Tree 600' from DER, 118' left of centerline, 972' MSL.
Tree 790' from DER, 192' left of centerline, 977' MSL.
Tree 876' from DER, 136' right of centerline, 983' MSL.
Trees beginning 1007' from DER, 273' right of centerline, up to 984' MSL.
Tree 1398' from DER, 332' left of centerline, 996' MSL.
Tree 1533' from DER, 432' left of centerline, 1015' MSL.
Trees beginning 1557' from DER, 432' left of centerline, up to 1044' MSL.
Tree 2076' from DER, 693' left of centerline, 1049' MSL.
Tree 5404' from DER, 1808' right of centerline, 1118' MSL.
Trees beginning 5502' from DER, 1411' right of centerline, up to 1124' MSL.
Trees beginning 5767' from DER, 1299' right of centerline, up to 1125' MSL.
Trees beginning 5825' from DER, 1508' right of centerline, up to 1129' MSL.
Trees beginning 5887' from DER, 1320' right of centerline, up to 1130' MSL.
Tree, transmission line beginning 6054' from DER, 1374' right of centerline, up to 1144' MSL.
Tree, transmission line beginning 1.1 NM from DER, 1993' right of centerline, up to 1146' MSL.

SIBLEY, IA

SIBLEY MUNI (ISB)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 05MAY11 (11125) (FAA)

TAKEOFF MINIMUMS:

Rwy 35, 300-1½ or std. w/min. climb of 275' per NM to 1900.

TAKEOFF OBSTACLE NOTES:

Rwy 17, numerous trees beginning 1798' from DER, on runway centerline, up to 100' AGL/1629' MSL.
Vehicles on road 71' from DER, 499' right of centerline, 10' AGL/1539' MSL.
Rwy 35, vehicles on road 189' from DER, 530' left of centerline, 15' AGL/1564' MSL.
Train 401' from DER, 564' left of centerline, 23' AGL/1572' MSL.
Numerous trees beginning 550' from DER, 564' left of centerline,100' AGL/1649' MSL.

SIKESTON, MO
SIKESTON MEMORIAL MUNI (SIK)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1A 08NOV18 (18312) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 3, tree 197' from DER, 462' right of centerline, 335' MSL.
Sign 228' from DER, 490' left of centerline, 13' AGL/323' MSL.
Tree 934' from DER, 502' right of centerline, 30' AGL/340' MSL.
Tree 952' from DER, 670' right of centerline, 373' MSL.
Trees beginning 1112' from DER, 355' right of centerline, up to 389' MSL.
Tree 2830' from DER, 765' left of centerline, 86' AGL/391' MSL.
Tree 3279' from DER, 635' right of centerline, 399' MSL.
Rwy 21, sign 160' from DER, 442' right of centerline, 11' AGL/320' MSL.
Pole, tree beginning 178' from DER, 374' right of centerline, up to 30' AGL/340' MSL.
Pole 609' from DER, 539' left of centerline, 24' AGL/335' MSL.
Building 845' from DER, 501' left of centerline, 29' AGL/341' MSL.
Tree 1088' from DER, 628' right of centerline, 34' AGL/341' MSL.
Pole 1166' from DER, 797' left of centerline, 37' AGL/348' MSL.
Trees beginning 1242' from DER, 422' right of centerline, up to 363' MSL.
Tree 1612' from DER, 579' right of centerline, 70' AGL/377' MSL.
Trees beginning 2304' from DER, 649' right of centerline, up to 69' AGL/380' MSL.
Tree 3181' from DER, 357' right of centerline, 86' AGL/407' MSL.

SIOUX CITY, IA
SIOUX GATEWAY/BRIG GEN BUD DAY FIELD (SUX)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 4 31DEC20 (20366) (FAA)
TAKEOFF MINIMUMS:
Rwy 36, std. w/ min. climb of 260' per NM to 4300 or 1600-3 for VCOA.
DEPARTURE PROCEDURE:
Rwy 31, climb heading 313° to 2000 before turning east.
VCOA:
Rwy 36, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Sioux Gateway/Brig Gen Bud Day Field at or above 2500 MSL before proceeding on course.
TAKEOFF OBSTACLE NOTES:
Rwy 13, trees 2242' from DER, 920' right of centerline, 1162' MSL.
Tree 4517' from DER, 1664' left of centerline, 100' AGL/1209' MSL.
Rwy 18, sign 29' from DER, 212' left of centerline, 6' AGL/1099' MSL.
Rwy 31, trees 3018' from DER, 122' left of centerline, 1171' MSL.
Trees 3100' from DER, 431' right of centerline, 1173' MSL.
Tree 3205' from DER, 669' right of centerline, 1174' MSL.
Trees 4622' from DER, 1700' left of centerline, 100' AGL/1209' MSL.
Rwy 36, trees beginning 1504' from DER, 495' right of centerline, up to 1172' MSL.

SPENCER, IA
SPENCER MUNI (SPW)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 03JUN10 (10154) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 12, ground 113' from DER, 308' right of centerline, 0' AGL/1341' MSL.
Vehicle on road 531' from DER, 21' right of centerline, 15' AGL/1347' MSL.
Trees and antenna on building beginning 2074' from DER, 466' right of centerline, up to 78' AGL/1449' MSL.
Trees beginning 3985' from DER, 35' right of centerline, up to 120' AGL/1449' MSL.
Rwy 18, vehicle on road 562' from DER, 21' right of centerline, 15' AGL/1353' MSL.
Trees beginning 600' from DER, 487' right of centerline, up to 120' AGL/1459' MSL.

SPRINGFIELD, MO
DOWNTOWN (3DW)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 10DEC15 (15344) (FAA)
TAKEOFF MINIMUMS:
Rwy 29, 500-2 or std. w/min. climb of 326' per NM to 2000.
DEPARTURE PROCEDURE:
Rwy 11, climb heading 108° to 4200 before turning left.
Rwy 29, climb heading 288° to 2000 before turning left.
TAKEOFF OBSTACLE NOTES:
Rwy 11, trees and buildings beginning 129' from DER, left and right of centerline, up to 80' AGL/1480' MSL.
Rwy 29, trees and buildings beginning 236' from DER, left and right of centerline, up to 80' AGL/1430' MSL.
Tower 1.6 NM from DER, 2322' right of centerline, 498' AGL/1777' MSL.

SPRINGFIELD, MO (CON'T)

SPRINGFIELD-BRANSON NATIONAL (SGF)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 08MAR90 (90067) (FAA)

TAKEOFF MINIMUMS:

Rwy 32, 300-1 or std. w/ min. climb of 250' per NM to 1400.

STEELE, MO

STEELE MUNI (M12)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 30APR15 (15120) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 18, multiple poles beginning 158' from DER, left and right of centerline, up to 34' AGL/292' MSL.
Multiple trees beginning 1837' from DER, 507' left of centerline, up to 100' AGL/359' MSL.
Tree 1842' from DER, 903' right of centerline, 100' AGL/359' MSL.
Rwy 36, tree 608' from DER, 525' right of centerline, 19' AGL/274' MSL.
Vehicles on road beginning 682' from DER, 239' right of centerline, up to 21' AGL/276' MSL.
Multiple trees beginning 3738' from DER, 1382' left of centerline, up to 100' AGL/364' MSL.

STOCKTON, MO

STOCKTON MUNI (MO3)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 07MAR13 (13066) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 1, tree 1070' from DER, 339' right of centerline, 75' AGL/1114' MSL.
Tree 2400' from DER, 227' right of centerline, 75' AGL/1114' MSL.
Rwy 19, tree 645' from DER, 8' right of centerline, 75' AGL/1105' MSL.
Tree 1911' from DER, 120' left of centerline, 75' AGL/1115' MSL.

STORM LAKE, IA

STORM LAKE MUNI (SLB)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 20JUN19 (19171) (FAA)

TAKEOFF MINIMUMS:

Rwys 6, 24, NA - Turf.

TAKEOFF OBSTACLE NOTES:

Rwy 13, lighting 10' from DER, 14' right of centerline, 3' AGL/1469' MSL.
Tree 58' from DER, 250' left of centerline, 1482' MSL.
Trees beginning 1865' from DER, 405' left of centerline, up to 1537' MSL.
Rwy 17, lighting, NAVAID beginning 9' from DER, 18' left of centerline, up to 3' AGL/1482' MSL.
Lighting 10' from DER, 36' right of centerline, 3' AGL/1482' MSL.
Vegetation 103' from DER, 129' left of centerline, 1483' MSL.
Fence 111' from DER, 449' left of centerline, 3' AGL/1489' MSL.
Fences beginning 120' from DER, 450' left of centerline, up to 5' AGL/1491' MSL.
Rwy 31, vehicles on road beginning 34' from DER, 320' right of centerline, up to 1497' MSL.
Terrain 94' from DER, 375' left of centerline, 1482' MSL.
Terrain 191' from DER, 492' left of centerline, 1483' MSL.
Vehicles on road 426' from DER, 50' right of centerline, 1498' MSL.
Tree, building beginning 759' from DER, 598' left of centerline, up to 1529' MSL.
Tree 855' from DER, 547' left of centerline, 1545' MSL.
Tree, building beginning 863' from DER, 618' left of centerline, up to 1546' MSL.
Tree 950' from DER, 530' left of centerline, 1554' MSL.
Tree, vehicles on road beginning 962' from DER, 489' left of centerline, up to 1555' MSL.
Tree 1031' from DER, 700' left of centerline, 1558' MSL.
Tree 1177' from DER, 739' left of centerline, 1561' MSL.
Rwy 35, NAVAID 10' from DER, 55' right of centerline, 2' AGL/1481' MSL.
Vegetation 92' from DER, 175' left of centerline, 1482' MSL.
Tree 252' from DER, 80' right of centerline, 1488' MSL.
Tree 1410' from DER, 698' right of centerline, 1543' MSL.

SULLIVAN, MO

SULLIVAN RGNL (UUV)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 03JAN19 (19003) (FAA)

TAKEOFF MINIMUMS:

Rwy 24, 300-1 or std. w/ min. climb of 320' per NM to 1200.

TAKEOFF OBSTACLE NOTES:

Rwy 6, tree, tower, pole beginning 176' from DER, 12' left of centerline, up to 966' MSL.
Pole 462' from DER, 471' right of centerline, 31' AGL/941' MSL.
Tree 519' from DER, 447' right of centerline, 960' MSL.
Trees beginning 526' from DER, 246' right of centerline, up to 961' MSL.
Trees beginning 594' from DER, 8' right of centerline, up to 965' MSL.
Rwy 24, pole 485' from DER, 408' right of centerline, 21' AGL/961' MSL.
Tree, building beginning 502' from DER, 357' left of centerline, up to 975' MSL.
Pole, tree beginning 525' from DER, 440' right of centerline, up to 30' AGL/971' MSL.
Tree 792' from DER, 419' right of centerline, 997' MSL.
Trees beginning 858' from DER, 449' right of centerline, up to 1004' MSL.
Stack, tree, building beginning 1001' from DER, 269' left of centerline, up to 66' AGL/1009' MSL.
Trees beginning 2027' from DER, 313' right of centerline, up to 1008' MSL.
Tree, building beginning 2469' from DER, 78' left of centerline, up to 1016' MSL.

TARKIO, MO

GOULD PETERSON MUNI (K57)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 21MAY20 (20142) (FAA)

TAKEOFF MINIMUMS:

Rwy 36, 300-1 w/min. climb of 204' per NM to 1600 or std. w/min. climb of 407' per NM to 1200 or 1000-2½ for VCOA.

VCOA:

Rwy 36, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions, to cross Gould Peterson Muni airport at or above 1800 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 18, vehicles on road beginning 13' from DER, 339' left of centerline, up to 924' MSL.
Vehicles on road beginning 63' from DER, 340' right of centerline, up to 930' MSL.
Trees beginning 1010' from DER, 672' left of centerline, up to 24' AGL/951' MSL.
Poles beginning 1246' from DER, 729' right of centerline, up to 53' AGL/967' MSL.
Poles, tree beginning 1265' from DER, 306' right of centerline, up to 57' AGL/971' MSL.
Trees, poles beginning 1382' from DER, 163' right of centerline, up to 74' AGL/975' MSL.
Trees beginning 1516' from DER, 751' left of centerline, up to 67' AGL/987' MSL.
Trees beginning 1662' from DER, 5' left of centerline, up to 115' AGL/1030' MSL.
Tree 2222' from DER, 160' right of centerline, 84' AGL/1007' MSL.
Trees beginning 2223' from DER, 161' right of centerline, up to 101' AGL/1013' MSL.
Trees beginning 2321' from DER, right of centerline, up to 104' AGL/1018' MSL.
Rwy 36, buildings, vehicles on road beginning 1' from DER, 361' right of centerline, up to 25' AGL/938' MSL.
Vehicles on road beginning 10' from DER, 365' left of centerline, up to 930' MSL.
Vehicles on road beginning 166' from DER, 101' left of centerline, up to 931' MSL.
Wind indicator, poles, buildings, vehicles on road, trees beginning 383' from DER, 33' right of centerline, up to 41' AGL/957' MSL.
Poles, vehicles on road, trees beginning 499' from DER, 0' left of centerline, up to 31' AGL/947' MSL.
Trees, terrain, poles, power lines beginning 647' from DER, 8' right of centerline, up to 101' AGL/1026' MSL.
Poles, power lines, tree beginning 702' from DER, 185' left of centerline, up to 35' AGL/950' MSL.
Tree 1209' from DER, 449' left of centerline, 47' AGL/961' MSL.
Tree 1311' from DER, 425' left of centerline, 52' AGL/970' MSL.
Tree 1423' from DER, 431' left of centerline, 55' AGL/975' MSL.
Trees beginning 1489' from DER, 64' left of centerline, up to 64' AGL/985' MSL.
Trees beginning 1805' from DER, 13' left of centerline, up to 67' AGL/990' MSL.
Trees beginning 1817' from DER, 50' left of centerline, up to 62' AGL/991' MSL.
Trees beginning 1822' from DER, 84' left of centerline, up to 64' AGL/996' MSL.
Trees beginning 1834' from DER, 40' left of centerline, up to 66' AGL/1001' MSL.
Tree 1844' from DER, 187' left of centerline, 74' AGL/1005' MSL.
Trees, terrain beginning 1845' from DER, 7' right of centerline, up to 82' AGL/1042' MSL.
Trees beginning 1847' from DER, 8' left of centerline, up to 70' AGL/1006' MSL.
Tree 1953' from DER, 31' left of centerline, 69' AGL/1010' MSL.
Trees beginning 1975' from DER, 7' left of centerline, up to 77' AGL/1018' MSL.
Trees, terrain beginning 1991' from DER, 0' of centerline, up to 88' AGL/1046' MSL.
Trees beginning 2021' from DER, 19' left of centerline, up to 77' AGL/1019' MSL.
Tree 2070' from DER, 22' left of centerline, 76' AGL/1021' MSL.
Trees, terrain beginning 2078' from DER, 3' left of centerline, up to 77' AGL/1022' MSL.
Trees, terrain beginning 2736' from DER, 42' left of centerline, up to 61' AGL/1023' MSL.
Trees beginning 3154' from DER, left of centerline, up to 65' AGL/1025' MSL.
Trees beginning 3173' from DER, 33' right of centerline, up to 55' AGL/1047' MSL.
Trees beginning 3180' from DER, 94' right of centerline, up to 58' AGL/1065' MSL.
Trees beginning 3184' from DER, 154' right of centerline, up to 55' AGL/1071' MSL.
Trees, terrain beginning 3185' from DER, 56' right of centerline, up to 57' AGL/1077' MSL.

TIPTON, IA
MATHEWS MEMORIAL (8C4)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 08APR10 (10098) (FAA)
DEPARTURE PROCEDURE:
Rwy 29, climb heading 288° to 1900 before proceeding on course.
TAKEOFF OBSTACLE NOTES:
Rwy 11, tree 1537' from DER, 668' left of centerline, 100' AGL/949' MSL.
Tree 1801' from DER, 803' right of centerline, 100' AGL/929' MSL.
Tree 3796' from DER, 227' left of centerline, 100' AGL/969' MSL.
Rwy 29, tree 404' from DER, 576' right of centerline, 100' AGL/929' MSL.
Tree 4068' from DER, 964' left of centerline, 100' AGL/959' MSL.

TRENTON, MO
TRENTON MUNI (TRX)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG-A 31JAN19 (19031) (FAA)
TAKEOFF MINIMUMS:
Rwys 18, 36, 500-2 or std. w/min. climb of 350' per NM to 1400.
DEPARTURE PROCEDURE:
Rwy 18, climb heading 182° to 1400 before proceeding on course.
Rwy 36, climb heading 002° to 1400 before proceeding on course.
TAKEOFF OBSTACLE NOTES:
Rwy 18, tree 27' from DER, 482' left of centerline, 9' AGL/764' MSL.
Fence 114' from DER, 209' left of centerline, 21' AGL/776' MSL.
Pole sign beginning 114' from DER, 213' left of centerline, up to 27' AGL/782' MSL.
Ground, tree, pole, building, fence, sign, bridge, beginning 263' from DER, 35' left of centerline, up to 64' AGL/821' MSL.
Trees, beginning 1071' from DER, 253' left of centerline, up to 76' AGL/857' MSL.
Rwy 36, tree 2' from DER, 247' right of centerline, 2' AGL/759' MSL.
Trees, terrain, fence, bridge, road, pole, beginning 12' from DER, 139' right of centerline, up to 64' AGL/821' MSL.
Fence 78' from DER, 364' left of centerline, 4' AGL/762' MSL.
Tree, terrain, sign, pole, beginning 189' from DER, 23' left of centerline, up to 57' AGL/814' MSL.
Tree 2539' from DER, 185' right of centerline, 12' AGL/838' MSL.

VINTON, IA
VINTON VETERANS MEMORIAL AIRPARK (VTI)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 18AUG83 (83230) (FAA)
DEPARTURE PROCEDURE:
All Rwys, north and east departures (270° CW 160°) climb on runway heading to 3400 before turning.

WARRENSBURG, MO
SKYHAVEN (RCM)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 30APR15 (15120) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 1, trees beginning 192' from DER, 341' right of centerline, up to 37' AGL/817' MSL.
Rwy 14, sign 177' from DER, 273' right of centerline, 30' AGL/815' MSL.
Rwy 19, trees beginning 5' from DER, 177' right of centerline, up to 27' AGL/815' MSL.
Bldg, sign, multiple trees and poles beginning 466' from DER, 188' left of centerline up to 48' AGL/837' MSL.
Transmission lines beginning 1219' from DER, 188' left of centerline, up to 40' AGL/832' MSL.

WARSAW, MO
WARSAW MUNI (RAW)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 13NOV14 (14317) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 18, tree 616' from DER, 475' left of centerline, 38' AGL/944' MSL.
Rwy 36, trees beginning 233' from DER, 284' left of centerline, up to 100' AGL/1006' MSL. Building 3720' from DER, 193' right of centerline, 100' AGL/1029' MSL.

WASHINGTON, IA
WASHINGTON MUNI (AWG)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 31MAR16 (16091) (FAA)
TAKEOFF MINIMUMS:
Rwy 31, 400-2½ or std. w/min. climb of 208' per NM to 1200, or alternatively, with standard takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1500' prior to DER.
TAKEOFF OBSTACLE NOTES:
Rwy 13, trees beginning 1411' from DER, 280' right of centerline, up to 58' AGL/807' MSL.
Rwy 18, terrain 140' from DER, 466' right of centerline, 6' AGL/755' MSL.
Rwy 31, tower 1.98 NM from DER, 397' right of centerline, 308' AGL/1065' MSL.
Rwy 36, tank 5303' from DER, 285' left of centerline, 150' AGL/893' MSL.

WASHINGTON, MO
WASHINGTON RGNL (FYG)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 22OCT09 (09295) (FAA)
TAKEOFF MINIMUMS:
Rwy 33, 400-2¼ or std. w/ min. climb of 275' per NM to 1000.
DEPARTURE PROCEDURE:
Rwy 15, climb heading 153 ° to 1100 before turning left.
TAKEOFF OBSTACLE NOTES:
Rwy 15, numerous trees beginning 3076' from DER, 618' left of centerline up to 108' AGL/589' MSL.
Rwy 33, numerous trees beginning 1035' from DER, 171' left of centerline, up to 68' AGL/552' MSL.
Numerous trees beginning 2907' from DER, 66' right of centerline up to 65' AGL/824' MSL.

WATERLOO, IA
WATERLOO RGNL (ALO)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG-A 03DEC20 (20338) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 30, multiple trees beginning 2160' from DER, 938' right of centerline, up to 95' AGL/995' MSL.
Rwy 36, multiple trees beginning 1213' from DER, 157' right of centerline, up to 54' AGL/1004' MSL.

WAVERLY, IA
WAVERLY MUNI (C25)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 31DEC20 (20366) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 11, tree 666' from DER, 628' right of centerline, 1018' MSL.
Transmission line beginning 1594' from DER, 448' left of centerline, up to 60' AGL/1025' MSL.
Transmission line 1812' from DER, 36' right of centerline, 65' AGL/1026' MSL.
Tree, transmission line beginning 1848' from DER, 250' right of centerline, up to 1036' MSL.
Rwy 29, pole 131' from DER, 481' right of centerline, 29' AGL/1002' MSL.
Traverse way 140' from DER, 498' left of centerline, 998' MSL.
Tree 398' from DER, 341' left of centerline, 1022' MSL.
Tree, grain elevator beginning 422' from DER, 393' left of centerline, up to 1040' MSL.
Tree 768' from DER, 441' left of centerline, 1042' MSL.

WEBSTER CITY, IA
WEBSTER CITY MUNI (EBS)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 18SEP14 (14261) (FAA)
TAKEOFF MINIMUMS:
Rwys 5, 23, NA-Environment.
TAKEOFF OBSTACLE NOTES:
Rwy 14, bush 22' from DER, 302' left of centerline, 5' AGL/1125' MSL.
Bush 189' from DER, 487' right of centerline, 9' AGL/1129' MSL.
Trees beginning 1838' from DER, 225' left of centerline, up to 65' AGL/1185' MSL.
Rwy 32, vehicles on roadway, 354' from DER, 497' right of centerline, up to 15' AGL/1119' MSL.

WEST PLAINS, MO

WEST PLAINS RGNL (UNO)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT1 18NOV10 (10322) (FAA)

TAKEOFF MINIMUMS:

Rwy 36, 300-1¼ or std. w/ a min. climb of 215' per NM to 1500, or alternatively, with std. takeoff minimums and a normal 200' per MN climb gradient, takeoff must occur no later than 1400' prior to DER.

TAKEOFF OBSTACLE NOTES:

Rwy 18, trees beginning 98' from DER, 65' right of centerline, up to 100' AGL/1339' MSL.
Vehicle on road, 199' from DER, 302' left of centerline, 15' AGL/1254' MSL.
Trees beginning 978' from DER, 388' left of centerline, up to 77' AGL/1277' MSL.
Rwy 36, trees beginning 374' from DER, 265' left of centerline, up to 100' AGL/1319' MSL.
Trees beginning 644' from DER, 631' right of centerline, up to 100' AGL/1319' MSL.
Trees beginning 2690' from DER, 601' right of centerline, up to 100' AGL/1339' MSL.
Trees beginning 5800' from DER, 1171' left of centerline, up to 100' AGL/1379' MSL.

WEST UNION, IA

GEORGE L SCOTT MUNI (3Y2)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 31MAR16 (16091) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 17, buildings beginning 105' from DER, 322' left of centerline, up to 1207' MSL.
Tower 315' from DER, 296' left of centerline, 23' AGL/1212' MSL.
Pole 341' from DER, 432' left of centerline, 34' AGL/1221' MSL.
Pole and tower beginning 342' from DER, 262' left of centerline, up to 35' AGL/1223' MSL.
NAVAID and pole beginning 345' from DER, 266' left of centerline, up to 39' AGL/1227' MSL.
Tree 2139' from DER, 1012' left of centerline, 1265' MSL.
Tree 2370' from DER, 998' left of centerline, 1273' MSL.
Tree 2477' from DER, 908' left of centerline, 1286' MSL.
Rwy 35, tree 58' from DER, 202' right of centerline, 1236' MSL.
T-I tower 842' from DER, 610' left of centerline, 28' AGL/1260' MSL.
Pole 961' from DER, 389' right of centerline, 30' AGL/1257' MSL.
Pole 1068' from DER, 407' left of centerline, 28' AGL/1266' MSL.
Tree 1136' from DER, 573' left of centerline, 1270' MSL.

WHITEMAN AFB (KSZL)

KNOB NOSTER, MO

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 20AUG15 (15232)

TAKEOFF OBSTACLE NOTES:

Rwy 1, aircraft 17' AGL/886' MSL, 40' inward of DER, 531' left of centerline.
Rwy 19, tree 95' AGL/945' MSL, 3411' from DER, 1073' right of centerline.

WINTERSET, IA

WINTERSET MUNI (3Y3)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 08JAN15 (15008) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 14, trees beginning 132' from DER, left and right of centerline, up to 100' AGL/1121' MSL.
Rwy 32, vehicles on road beginning 43' from DER, left and right of centerline, up to 15' AGL/1154' MSL.
Pole 158' from DER, 190' left of centerline 26' AGL/1139' MSL.
Trees beginning 548' from DER, left and right of centerline, up to 100' AGL/1186' MSL.
Building 599' from DER, 418' left of centerline, 25' AGL/1140' MSL.

INSTRUMENT APPROACH PROCEDURE CHARTS

IFR ALTERNATE AIRPORT MINIMUMS

Standard alternate minimums for non-precision approaches and approaches with vertical guidance [NDB, VOR, LOC, TACAN, LDA, SDF, VOR/DME, ASR, RNAV (GPS) or RNAV (RNP)] are 800-2. Standard alternate minimums for precision approaches (ILS, PAR, or GLS) are 600-2. Airports within this geographical area that require alternate minimums other than standard or alternate minimums with restrictions are listed below. NA - means alternate minimums are not authorized due to unmonitored facility, absence of weather reporting service, or lack of adequate navigation coverage. Civil pilots see FAR 91. IFR Alternate Minimums: Ceiling and Visibility Minimums not applicable to USA/USN/USAF. Pilots must review the IFR Alternate Minimums Notes for alternate airfield suitability.

NAME — ALTERNATE MINIMUMS

ALGONA, IA
ALGONA MUNI (AXA)….....**RNAV (GPS) Rwy 12**
VOR/DME -A
NA when local weather not available.

AMES, IA
AMES MUNI (AMW)……..**ILS or LOC Rwy 1[2][3]**
RNAV (GPS) Rwy 19[1]
[1]NA when local weather not available.
[2]NA when control tower closed.
[3]LOC, Category D, 1100-3.

ANKENY, IA
ANKENY RGNL (IKV)….…..**RNAV (GPS) Rwy 18**
RNAV (GPS) Rwy 22
RNAV (GPS) Rwy 36
Category D, 900-2¾.

ATLANTIC, IA
ATLANTIC MUNI (AIO)….…..**RNAV (GPS) Rwy 2**
RNAV (GPS) Rwy 20
NA when local weather not available.

AUDUBON, IA
AUDUBON
COUNTY (ADU)….…..….....…**RNAV (GPS) Rwy 32**
NA when local weather not available.

BOONE, IA
BOONE MUNI (BNW)……..…**RNAV (GPS) Rwy 15**
RNAV (GPS) Rwy 33
NA when local weather not available.

BRANSON, MO
BRANSON (BBG)……..…**RNAV (GPS) Rwy 14[1]**
RNAV (GPS) Rwy 32[2]
NA when local weather not available.
[1]Category C, 800-2¼; Category D, 800-2½.
[2]Category D, 800-2¼.

NAME — ALTERNATE MINIMUMS

BURLINGTON, IA
SOUTHEAST IOWA
RGNL (BRL)……..…**RNAV (GPS) Rwy 12**
RNAV (GPS) Rwy 30
RNAV (GPS) Rwy 36
VOR Rwy 12
VOR Rwy 30
NA when local weather not available.

CAMDENTON, MO
CAMDENTON MEMORIAL-LAKE
RGNL (OZS)……..**RNAV (GPS) Rwy 15**
RNAV (GPS) Rwy 33
NA when local weather not available.

CAPE GIRARDEAU, MO
CAPE GIRARDEAU
RGNL (CGI)……...**ILS or LOC Rwy 10[1][2]**
LOC BC Rwy 28[1][3]
RNAV (GPS) Rwy 2[3]
RNAV (GPS) Rwy 10[3]
RNAV (GPS) Rwy 20[3]
RNAV (GPS) Rwy 28[3]
NA when local weather not available.
[1]NA when control tower closed.
[2]LOC, Category D, 800-2¼.
[3]Category D, 800-2¼.

CARROLL, IA
ARTHUR
N NEU (CIN)……..**RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 31
NA when local weather not available.

CEDAR RAPIDS, IA
THE EASTERN
IOWA (CID)……..**ILS or LOC Rwy 9[1]**
ILS or LOC Rwy 27[2]
RNAV (GPS) Rwy 9
RNAV (GPS) Rwy 27
NA when local weather not available.
[1]NA when control tower closed.
[2]ILS, NA when control tower closed.

NAME ALTERNATE MINIMUMS

CENTERVILLE, IA
CENTERVILLE
MUNI (TVK)……..……**RNAV (GPS) Rwy 16**
RNAV (GPS) Rwy 34
NA when local weather not available.

CHARITON, IA
CHARITON
MUNI (CNC)……..……**RNAV (GPS) Rwy 10**
RNAV (GPS) Rwy 17
NA when local weather not available.

CHARLES CITY, IA
NORTHEAST
IOWA RGNL (CCY)……..**LOC Rwy 12**
RNAV (GPS) Rwy 12
RNAV (GPS) Rwy 30
NA when local weather not available.

CHEROKEE, IA
CHEROKEE COUNTY
RGNL (CKP)……..……..…**RNAV (GPS) Rwy 18**
Category C, 900-2½; Category D, 1000-3.

CLARINDA, IA
SCHENCK FIELD (ICL)……....**RNAV (GPS) Rwy 2**
RNAV (GPS) Rwy 20
Category C, 800-2¼; Category D, 800-2½.

CLARION, IA
CLARION
MUNI (CAV)…….....…**RNAV (GPS) Rwy 14**
RNAV (GPS) Rwy 32
NA when local weather not available.

CLINTON, IA
CLINTON MUNI (CWI)….……**ILS or LOC Rwy 3**
RNAV (GPS) Rwy 3
RNAV (GPS) Rwy 14
RNAV (GPS) Rwy 21
RNAV (GPS) Rwy 32
NA when local weather not available.

CLINTON, MO
CLINTON
RGNL (GLY)……**RNAV (GPS) Rwy 4**
RNAV (GPS) Rwy 18
RNAV (GPS) Rwy 22
RNAV (GPS) Rwy 36
NA when local weather not available.

NAME ALTERNATE MINIMUMS

COLUMBIA, MO
COLUMBIA RGNL (COU)……..**ILS or LOC Rwy 2[12]**
LOC BC Rwy 20[1]
RNAV (GPS) Rwy 2[2]
RNAV (GPS) Rwy 13[2]
RNAV (GPS) Rwy 31[2]
VOR Rwy 13[23]
[1]NA when control tower closed.
[2]NA when local weather not available.
[3]Categories A, B, 1000-2; Categories C, D, 1000-3.

COUNCIL BLUFFS, IA
COUNCIL BLUFFS
MUNI (CBF)……**RNAV (GPS) Rwy 18**
RNAV (GPS) Rwy 36
VOR-A
NA when local weather not available.

CRESTON, IA
CRESTON MUNI (CSQ)…...**RNAV (GPS) Rwy 16**
RNAV (GPS) Rwy 34
NA when local weather not available.

DAVENPORT, IA
DAVENPORT
MUNI (DVN)……**ILS or LOC Rwy 15**
RNAV (GPS) Rwy 3
RNAV (GPS) Rwy 15
RNAV (GPS) Rwy 21
RNAV (GPS) RWY 33
VOR Rwy 3
VOR Rwy 21
NA when local weather not available.

DECORAH, IA
DECORAH MUNI (DEH)…….**RNAV (GPS) Rwy 11**
RNAV (GPS) Rwy 29
NA when local weather not available.

DENISON, IA
DENISON MUNI (DNS)….....**RNAV (GPS) Rwy 12**
RNAV (GPS) Rwy 30
NA when local weather not available.

DES MOINES, IA
DES MOINES
INTL (DSM)……**ILS or LOC Rwy 5[1]**
ILS or LOC Rwy 13[1]
ILS or LOC Rwy 31[2]
RNAV (GPS) Rwy 5[1]
RNAV (GPS) Rwy 13[1]
RNAV (GPS) Rwy 23[1]
RNAV (GPS) Rwy 31[1]
VOR Rwy 23[3]
[1]Category D, 900-2½.
[2]LOC, Category D, 900-2½; Category E, 900-2¾.
[3]Category C, 800-2½; Category D, 900-2½.

NAME ALTERNATE MINIMUMS

DUBUQUE, IA
DUBUQUE
RGNL (DBQ)……..**ILS or LOC Rwy 36[12]**
LOC Rwy 31[13]
RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 18
RNAV (GPS) Rwy 31
RNAV (GPS) Rwy 36
VOR Rwy 13[3]
VOR Rwy 31[4]
VOR Rwy 36[3]

NA when local weather not available.
[1]NA when control tower closed.
[2]LOC, Category D, 800-2¼.
[3]Category D, 800-2¼.
[4]Category, 800-2¼; Category D, 800-2½.

ESTHERVILLE, IA
ESTHERVILLE
MUNI (EST)……**RNAV (GPS) Rwy 16**
RNAV (GPS) Rwy 34

NA when local weather not available.

FAIRFIELD, IA
FAIRFIELD MUNI (FFL)……**RNAV (GPS) Rwy 18**
RNAV (GPS) Rwy 36

NA when local weather not available.

FARMINGTON, MO
FARMINGTON
RGNL (FAM)……**RNAV (GPS) Rwy 2**
RNAV (GPS) Rwy 20

NA when local weather not available.

FOREST CITY, IA
FOREST CITY
MUNI (FXY)…….....**RNAV (GPS) Rwy 15**
RNAV (GPS) Rwy 33
VOR-A

NA when local weather not available.

FORT DODGE, IA
FORT DODGE
RGNL (FOD)……...**RNAV (GPS) Rwy 6**
RNAV (GPS) Rwy 12
RNAV (GPS) Rwy 24
RNAV (GPS) Rwy 30
VOR Rwy 12
VOR/DME Rwy 30

NA when local weather not available.

NAME ALTERNATE MINIMUMS

FORT LEONARD WOOD, MO
WAYNESVILLE-ST ROBERT RGNL FORNEY
FIELD (TBN)……..**ILS or LOC Rwy 15[12]**
RNAV (GPS) Rwy 15[3]
RNAV (GPS) Rwy 33[3]
VOR Rwy 15[34]
VOR Rwy 33[34]

[1]ILS, NA when local weather not available.
[2]ILS, NA when control tower closed.
[3]NA when local weather not available.
[4]NA when control tower closed.

FORT MADISON, IA
FORT MADISON
MUNI (FSW)……**RNAV (GPS) Rwy 17[1]**
RNAV (GPS) Rwy 35[1]
VOR/DME-A[2]

[1]Category D, 800-2½.
[2]NA when local weather not available.

GRINNELL, IA
GRINNELL RGNL (GGI)…….**RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 31
VOR/DME Rwy 31

NA when local weather not available.

HARRISONVILLE, MO
LAWRENCE SMITH
MEMORIAL (LRY)……**RNAV (GPS) Rwy 17**
RNAV (GPS) Rwy 35

NA when local weather not available.

INDEPENDENCE, IA
JAMES H CONNELL FLD AT INDEPENDENCE
MUNI (IIB)……....**RNAV (GPS) Rwy 18**
RNAV (GPS) Rwy 36

NA when local weather not available.
Category D, 1500-3.

IOWA CITY, IA
IOWA CITY
MUNI (IOW)…….....**RNAV (GPS) Rwy 25[1]**
RNAV (GPS) Rwy 30[1]
VOR-A

NA when local weather not available.
[1]Category C, 800-2¼; Category D, 800-2½.

IOWA FALLS, IA
IOWA FALLS
MUNI (IFA)….....**RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 31

NA when local weather not available.

NAME ALTERNATE MINIMUMS

JEFFERSON CITY, MO
JEFFERSON CITY
MEMORIAL (JEF)……..**ILS or LOC Rwy 30[1]**
RNAV (GPS) Rwy 12[2]
RNAV (GPS) Rwy 30[2]
NA when local weather not available.
[1]ILS, Categories A, B, 800-2; Category C, 800-2¼; Category D, 1100-3; LOC, Category C, 800-2¼; Category D, 1100-3.
[2]Category C, 800-2¼; Category D, 1100-3.

JOPLIN, MO
JOPLIN
RGNL (JLN)…….....…….**ILS or LOC Rwy 18[1]**
ILS or LOC/NDB Rwy 13[23]
LOC BC Rwy 31[2]
[1]NA when control tower closed.
[2]NA when tower closed.
[3]ILS, Category D, 700-2.

KAISER/LAKE OZARK, MO
LEE C. FINE
MEMORIAL (AIZ)…….**RNAV (GPS) Rwy 4**
RNAV (GPS) Rwy 22
VOR Rwy 4
NA when local weather not available.

KANSAS CITY, MO
CHARLES B WHEELER
DOWNTOWN (MKC)……..….**ILS or LOC Rwy 3[1]**
ILS or LOC Rwy 19[2]
RNAV (GPS) Rwy 3[3]
RNAV (GPS) Rwy 19[4]
RNAV (GPS) Rwy 21[3]
[1]LOC, Categories A, B, 900-2; Categories C, D, 900-2½.
[2]ILS, Categories A, B, C 800-2; Category D, 800-2½; LOC, Category D, 800-2½.
[3]Category D, 800-2½.
[4]Category D, 900-3.

KANSAS CITY
INTL (MCI)…….....**ILS or LOC Rwy 1L**
ILS or LOC Rwy 19R
NA when control tower closed.

KEOKUK, IA
KEOKUK MUNI (EOK)……...……**NDB Rwy 14**
RNAV (GPS) Rwy 8
RNAV (GPS) Rwy 14
RNAV (GPS) Rwy 26
RNAV (GPS) Rwy 32
NA when local weather not available.

KNOXVILLE, IA
KNOXVILLE
MUNI (OXV)……..**RNAV (GPS) Rwy 15**
RNAV (GPS) Rwy 33
NA when local weather not available.

NAME ALTERNATE MINIMUMS

LE MARS, IA
LE MARS MUNI (LRJ)…….**RNAV (GPS) Rwy 18**
RNAV (GPS) Rwy 36
NA when local weather not available.

LEE'S SUMMIT, MO
LEE'S SUMMIT
MUNI (LXT)……..……..**RNAV (GPS) Rwy 11**
RNAV (GPS) Rwy 18[1]
RNAV (GPS) Rwy 29[1]
RNAV (GPS) Rwy 36[1]
VOR-A[1]
Category C, 800-2¼; Category D, 800-2½.
[1]NA when local weather not available.

MALDEN, MO
MALDEN
RGNL (MAW)……..……**RNAV (GPS) Rwy 18**
NA when local weather not available.

MARSHALLTOWN, IA
MARSHALLTOWN
MUNI (MIW)……..**RNAV (GPS) Rwy 13[1]**
RNAV (GPS) Rwy 31[1]
VOR Rwy 13
VOR Rwy 31
Category D, 900-2¾.
[1]NA when local weather not available.

MASON CITY, IA
MASON CITY
MUNI (MCW)……**ILS or LOC Rwy 36**
LOC BC Rwy 18
RNAV (GPS) Rwy 18
RNAV (GPS) Rwy 30
RNAV (GPS) Rwy 36
VOR Rwy 36
NA when local weather not available.

MAURICE, IA
SIOUX COUNTY
RGNL (SXK)……..…….....**RNAV (GPS) Rwy 17**
RNAV (GPS) Rwy 35
NA when local weather not available.
Category D, 800-2¼.

MONETT, MO
MONETT RGNL (HFJ)……**RNAV (GPS) Rwy 18**
RNAV (GPS) Rwy 36
NA when local weather not available.

MONTICELLO, IA
MONTICELLO
RGNL (MXO)……**RNAV (GPS) Rwy 15**
RNAV (GPS) Rwy 33
NA when local weather not available.

NAME ALTERNATE MINIMUMS

MOUNT PLEASANT, IA
MOUNT PLEASANT
MUNI (MPZ)……**RNAV (GPS) Rwy 15**
RNAV (GPS) Rwy 33
NA when local weather not available.

MUSCATINE, IA
MUSCATINE
MUNI (MUT)……**RNAV (GPS) Rwy 6[12]**
RNAV (GPS) Rwy 12[2]
RNAV (GPS) Rwy 24[3]
RNAV (GPS) Rwy 30[2]
[1]Categories A, B, C, D, 800-2½.
[2]NA when local weather not available.
[3]Category D, 1000-3.

NEOSHO, MO
NEOSHO HUGH
ROBINSON (EOS)……**RNAV (GPS) Rwy 1**
RNAV (GPS) Rwy 19
NA when local weather not available.

NEWTON, IA
NEWTON MUNI-EARL JOHNSON
FIELD (TNU)……**RNAV (GPS) Rwy 14**
RNAV (GPS) Rwy 32
NA when local weather not available.

OSCEOLA, IA
OSCEOLA
MUNI (I75)……**RNAV (GPS) Rwy 18**
RNAV (GPS) Rwy 36
NA when local weather not available.

OSKALOOSA, IA
OSKALOOSA
MUNI (OOA)……**RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 31
NA when local weather not available.

OTTUMWA, IA
OTTUMWA
RGNL (OTM)……**RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 31
VOR/DME Rwy 13
NA when local weather not available.

PELLA, IA
PELLA MUNI (PEA)……**RNAV (GPS) Rwy 16**
RNAV (GPS) Rwy 34
NA when local weather not available.

PERRY, IA
PERRY MUNI (PRO)……**RNAV (GPS) Rwy 14**
RNAV (GPS) Rwy 32
NA when local weather not available.

NAME ALTERNATE MINIMUMS

PERRYVILLE, MO
PERRYVILLE
RGNL (PCD)……**RNAV (GPS) Rwy 2[12]**
RNAV (GPS) Rwy 20[3]
VOR-A[3]
[1]NA when local weather not available.
[2]Categories A, B, C, D, 900-3.
[3]Category D, 800-2¼.

RED OAK, IA
RED OAK
MUNI (RDK)……**RNAV (GPS) Rwy 17**
NA when local weather not available.

ROLLA-VICHY, MO
ROLLA NATIONAL (VIH)……**RNAV (GPS) Rwy 4**
VOR Rwy 22
VOR/DME Rwy 4
NA when local weather not available.

ST. CHARLES, MO
ST CHARLES COUNTY
SMARTT (SET)…… **RNAV (GPS) Rwy 18**
VOR Rwy 18
NA when local weather not available.

ST. JOSEPH, MO
ROSECRANS
MEMORIAL (STJ)……**ILS or LOC Rwy 35[12]**
LOC BC Rwy 17[13]
RNAV (GPS) Rwy 13[45]
RNAV (GPS) Rwy 17[46]
RNAV (GPS) Rwy 31[34]
RNAV (GPS) Rwy 35[46]
VOR or TACAN Rwy 17[6]
VOR or TACAN Rwy 35[6]
[1]NA when control tower closed.
[2]LOC, Category C, 800-2¼; Category D, 900-2¾; Category E, 1000-3.
[3]Category C, 800-2¼; Category D, 900-2¾.
[4]NA when local weather not available.
[5]Category C, 800-2½; Category D, 900-2¾.
[6]Category C, 800-2¼; Category D, 900-2¾; Category E, 1000-3.

ST. LOUIS, MO
SPIRIT OF
ST. LOUIS (SUS)……**ILS or LOC Rwy 8R[23]**
ILS or LOC Rwy 26L[24]
RNAV (GPS) Rwy 8L[1]
RNAV (GPS) Rwy 8R[15]
RNAV (GPS) Rwy 26L[16]
RNAV (GPS) Rwy 26R[1]
[1]NA when local weather not available.
[2]NA when control tower closed.
[3]ILS, Categories A, B, C, 700-2; Category D, 700-2¼. LOC, NA.
[4]ILS, Categories A, B, C, 700-2; Category D, 700-2¼. LOC, Category D, 800-2¼.
[5]Category D, 800-2¼.
[6]Category D, 900-3.

NAME ALTERNATE MINIMUMS

SEDALIA, MO
SEDALIA
RGNL (DMO)……..**RNAV (GPS) Rwy 18**
RNAV (GPS) Rwy 36
NA when local weather not available.
Category D, 800-2¼.

SHELDON, IA
SHELDON
RGNL (SHL)……**RNAV (GPS) Rwy 15**
RNAV (GPS) Rwy 33
NA when local weather not available.

SHENANDOAH, IA
SHENANDOAH
MUNI (SDA)…….....**RNAV (GPS) Rwy 4**
VOR/DME Rwy 12
NA when local weather not available.

SIOUX CITY, IA
SIOUX GATEWAY/BRIGADIER GENERAL BUD
DAY FLD (SUX)……...**ILS or LOC Rwy 13[12]**
ILS or LOC Rwy 31[12]
RNAV (GPS) Rwy 13[3]
RNAV (GPS) Rwy 18[4]
RNAV (GPS) Rwy 31[3]
RNAV (GPS) Rwy 36[4]
NA when local weather not available.
[1]NA when control tower closed.
[2]LOC, Category D, 800-2¼; Category E, 900-3.
[3]Category D, 800-2½; Category E, 1000-3.
[4]Category D, 800-2½.

SPENCER, IA
SPENCER
MUNI (SPW)……**RNAV (GPS) Rwy 12[1]**
RNAV (GPS) Rwy 18
RNAV (GPS) Rwy 30[1]
RNAV (GPS) Rwy 36
VOR Rwy 30[1]
NA when local weather not available.
[1]Category C, 800-2¼, Category D, 800-2½.

SPRINGFIELD, MO
SPRINGFIELD-BRANSON
NATIONAL (SGF)……**ILS or LOC Rwy 2[1]**
ILS or LOC Rwy 14[4]
RNAV (GPS) Rwy 2[2]
RNAV (GPS) Rwy 20[2]
RNAV (GPS) Rwy 32[2]
VOR/DME or TACAN Rwy 2[3]
VOR or TACAN Rwy 20[3]
[1]ILS, Category D, 700-2, Category E, 900-3. LOC, Category E, 900-3.
[2]NA when local weather not available.
[3]Category E, 800-2¼.
[4]Category D, 700-2.

NAME ALTERNATE MINIMUMS

VINTON, IA
VINTON VETERANS MEMORIAL
AIRPARK (VTI)……**RNAV (GPS) Rwy 9**
RNAV (GPS) Rwy 27
NA when local weather not available.

WARRENSBURG, MO
SKYHAVEN (RCM)……..……**RNAV (GPS) Rwy 1**
RNAV (GPS) Rwy 19
VOR-A
NA when local weather not available.

WASHINGTON, IA
WASHINGTON
MUNI (AWG)……...**RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 18
RNAV (GPS) Rwy 31
RNAV (GPS) Rwy 36
VOR Rwy 36
Category C, 800-2¼.

WASHINGTON, MO
WASHINGTON
RGNL (FYG)……...**RNAV (GPS) Rwy 15**
RNAV (GPS) Rwy 33
VOR-A
Category C, 800-2¼.
NA when local weather not available.

WATERLOO, IA
WATERLOO
RGNL (ALO)……..……..**ILS or LOC Rwy 12[12]**
LOC BC Rwy 30[12]
RNAV (GPS) Rwy 12[3]
RNAV (GPS) Rwy 18[3]
RNAV (GPS) Rwy 30[3]
RNAV (GPS) Rwy 36[3]
VOR Rwy 12[3]
VOR Rwy 18[34]
[1]NA when control tower closed.
[2]LOC, Category D, 800-2¼.
[3]Category D, 800-2¼.
[4]NA when local weather not available.

WEBSTER CITY, IA
WEBSTER CITY
MUNI (EBS)……..……**RNAV (GPS) Rwy 14**
RNAV (GPS) Rwy 32
VOR/DME Rwy 14
NA when local weather not available.

WEST PLAINS, MO
WEST PLAINS
RGNL (UNO)……..……...**RNAV (GPS) Rwy 18**
RNAV (GPS) Rwy 36
NA when local weather not available.

RADAR INSTRUMENT APPROACH MINIMUMS

ST JOSEPH, MO
Amdt 2, 02FEB17 (17033) (FAA) ELEV **827**

ROSECRANS MEMORIAL (STJ)

RADAR-1 120.35 360.8 T A

	RWY	GP/TCH/RPI	CAT	DA/ MDA-VIS	HAT/ HAA	CEIL-VIS	CAT	DA/ MDA-VIS	HAT/ HAA	CEIL-VIS
PAR	17	3.00°/52/998	ABCDE	**1027**-¾	200	(200-¾)				
ASR	35		ABCDE	**1220**-1¼	405	(500-1¼)				
	17		AB	**1380**-1¼	553	(600-1¼)	CDE	**1380**-1⅝	553	(600-1⅝)
C CIRCLING	ALL RWY		A	**1400**-1¼	573	(600-1¼)	B	**1420**-1¼	593	(600-1¼)
			C	**1620**-2¼	793	(800-2¼)	D	**1640**-2¾	813	(900-2¾)
			E	**1760**-3	933	(1000-3)				

When St Joseph approach control closed, procedure NA.

WHITEMAN AFB (KSZL), (Knob Noster), MO (Amdt 5, 19339 USAF)
ELEV **871**

RADAR[1 2] **- (E)** 125.1 284.0 T

	RWY	GS/TCH/RPI	CAT	DH/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS
ASR[6]	19[3]		AB	**1260**/24	389	(400-½)
			CDE	**1260**/35	389	(400-⅝)
	1[4]		AB	**1260**/24	423	(400-½)
			CDE	**1260**/40	423	(400-¾)
C CIR[5 6]	1-19		A	**1300**-1	429	(500-1)
			B	**1340**-1	469	(500-1)
			C	**1340**-1½	469	(500-1½)
			DE	**1460**-2	589	(600-2)

[1]Opr H24 fr 1300Z++ Mon thru 0500Z++ Sat; 1400-2300Z++ Sat-Sun; clsd hol.
[2]ASR No NOTAM MP 0700-1300Z++ Mon and Tue.
[3]When ALS inop, increase CAT AB RVR to 55, vis to 1 mile, CAT CDE RVR to 60, vis to 1⅛ miles.
[4]When ALS inop, increase CAT AB RVR to 55, vis to 1 mile, CAT CDE vis to 1¼ miles.
[5]Circling not authorized W of Rwy 1-19.
[6]Lost communications instructions will be issued in accordance with FAAO 7110.65.
IF NO TRANSMISSIONS ARE RECEIVED FOR ONE MINUTE IN THE PATTERN OR 15 SECONDS ON FINAL APPROACH, ATTEMPT CONTACT ON 318.8 OR 132.4 AND PROCEED VFR.
IF UNABLE, PROCEED WITH A TACAN/ILS APPROACH. MAINTAIN 3000' UNTIL ESTABLISHED ON THE APPROACH

NC-3, 25 FEB 2021 to 22 APR 2021

RADAR INSTRUMENT APPROACH MINIMUMS
RADAR MINS
19339
N1

21056

LAND AND HOLD-SHORT OPERATIONS (LAHSO)

LAHSO is an acronym for "Land and Hold-Short Operations." These operations include landing and holding short of an intersection runway, an intersecting taxiway, or other predetermined points on the runway other than a runway or taxiway. Measured distance represents the available landing distance on the landing runway, in feet.

Specific questions regarding these distances should be referred to the air traffic manager of the facility concerned. The Aeronautical Information Manual contains specific details on hold-short operations and markings.

CITY/AIRPORT	LDG RWY	HOLD-SHORT POINT	AVBL LDG DIST
COLUMBIA, MO			
COLUMBIA RGNL (COU)	02	13-31	6,050 feet
	13	02-20	2,714 feet
DES MOINES, IA			
DES MOINES INTL (DSM)	05	13-31	6,350 feet
	13	05-23	5,950 feet
DUBUQUE, IA			
DUBUQUE RGNL (DBQ)	31	18-36	4,800 feet
	36	13-31	4,900 feet
SIOUX CITY, IA			
SIOUX GATEWAY / BRIG GEN BUD DAY FLD (SUX)	13	18-36	5,400 feet
	18	13-31	4,740 feet
WATERLOO, IA			
WATERLOO RGNL (ALO)	30	18-36	4,800 feet
	36	12-30	3,650 feet

21056

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

HOT SPOTS

An "airport surface hot spot" is a location on an aerodrome movement area with a history or potential risk of collision or runway incursion, and where heightened attention by pilots/drivers is necessary.

A "hot spot" is a runway safety related problem area on an airport that presents increased risk during surface operations. Typically it is a complex or confusing taxiway/taxiway or taxiway/runway intersection. The area of increased risk has either a history of or potential for runway incursions or surface incidents, due to a variety of causes, such as but not limited to: airport layout, traffic flow, airport marking, signage and lighting, situational awareness, and training. Hot spots are depicted on airport diagrams as open circles or polygons designated as "HS 1", "HS 2", etc. and tabulated in the list below with a brief description of each hot spot. Hot spots will remain charted on airport diagrams until such time the increased risk has been reduced or eliminated.

CITY/AIRPORT	HOT SPOT	DESCRIPTION*
BRANSON, MO		
BRANSON (BBG)	HS 1	Ramp area exits on to rwy.
	HS 2	Twy turn around at end of rwy. Frequent back taxi operations.
CAPE GIRARDEAU, MO		
CAPE GIRARDEAU RGNL (CGI)	HS 1	Area not visible from the twr.
	HS 2	Aircraft ldg Rwy 10 sometime mistake Rwy 02-20 as Twy D.
CEDAR RAPIDS, IA		
THE EASTERN IOWA (CID)	HS 1	Frequent aircraft and vehicle rwy crossings.
	HS 2	Int rwys.
	HS 3	Rwy incursion risk, Twy A, Twy E, Twy E2 and Twy A4.
COLUMBIA, MO		
COLUMBIA RGNL (COU)	HS 1	Confusing twy int.
	HS 2	Unusual rwy holding position.
	HS 3	Unusual rwy/rwy holding position.
COUNCIL BLUFFS, IA		
COUNCIL BLUFFS MUNI (CBF)	HS 1	Rwy 14 not visible. Use CTAF.
	HS 2	Rwy 18 not visible. Use CTAF.
DES MOINES, IA		
DES MOINES INTL (DSM)	HS 1	Rwy 05-23 crossings on Twy D.
	HS 2	Rwy 13-31 crossings on Twy P.
	HS 3	The apch end of Rwy 05 at Twy P has limited visibility from the twr.
DUBUQUE, IA		
DUBUQUE RGNL (DBQ)	HS 1	Apch ends of rwys in close proximity.
	HS 2	Rwy 13-31 in close proximity to ramp non-movement area at Twy D.
	HS 3	Rwy 13-31 in close proximity to ramp non-movement area at Twy C.
FORT DODGE, IA		
FORT DODGE RGNL (FOD)	HS 1	Int on twy just prior to rwys.
FORT LEONARD WOOD, MO		
WAYNESVILLE-ST. ROBERT RGNL FORNEY FLD (TBN)	HS 1	Single twy access to rwy. Frequent back-taxi ops.
JOPLIN, MO		
JOPLIN RGNL (JLN)	HS 1	Rwy 13-31 hold short markings on Twy E.
	HS 2	Twy D int with Twy E and Rwy 13-31.
KANSAS CITY, MO		
CHARLES B. WHEELER DOWNTOWN (MKC)	HS 1	Twy G int with Rwy 03-21.
	HS 2	Confusing twy int.
	HS 3	Crossing Rwy 03 at Twy F, Twy A and Twy B.
KANSAS CITY INTL (MCI)	HS 1	Twy E and Twy F int with Rwy 09-27.
	HS 2	Twy C and Twy D int with Rwy 01R-19L.
	HS 3	Gates in close proximity to Twy D.
	HS 4	Misalignment risk - Twy A at Rwy 01L-19R.

(SEE CONTINUATION PAGE FOR MORE LISTINGS)

NC-3, 25 FEB 2021 to 22 APR 2021

20366

HOT SPOTS

(CONTINUED)

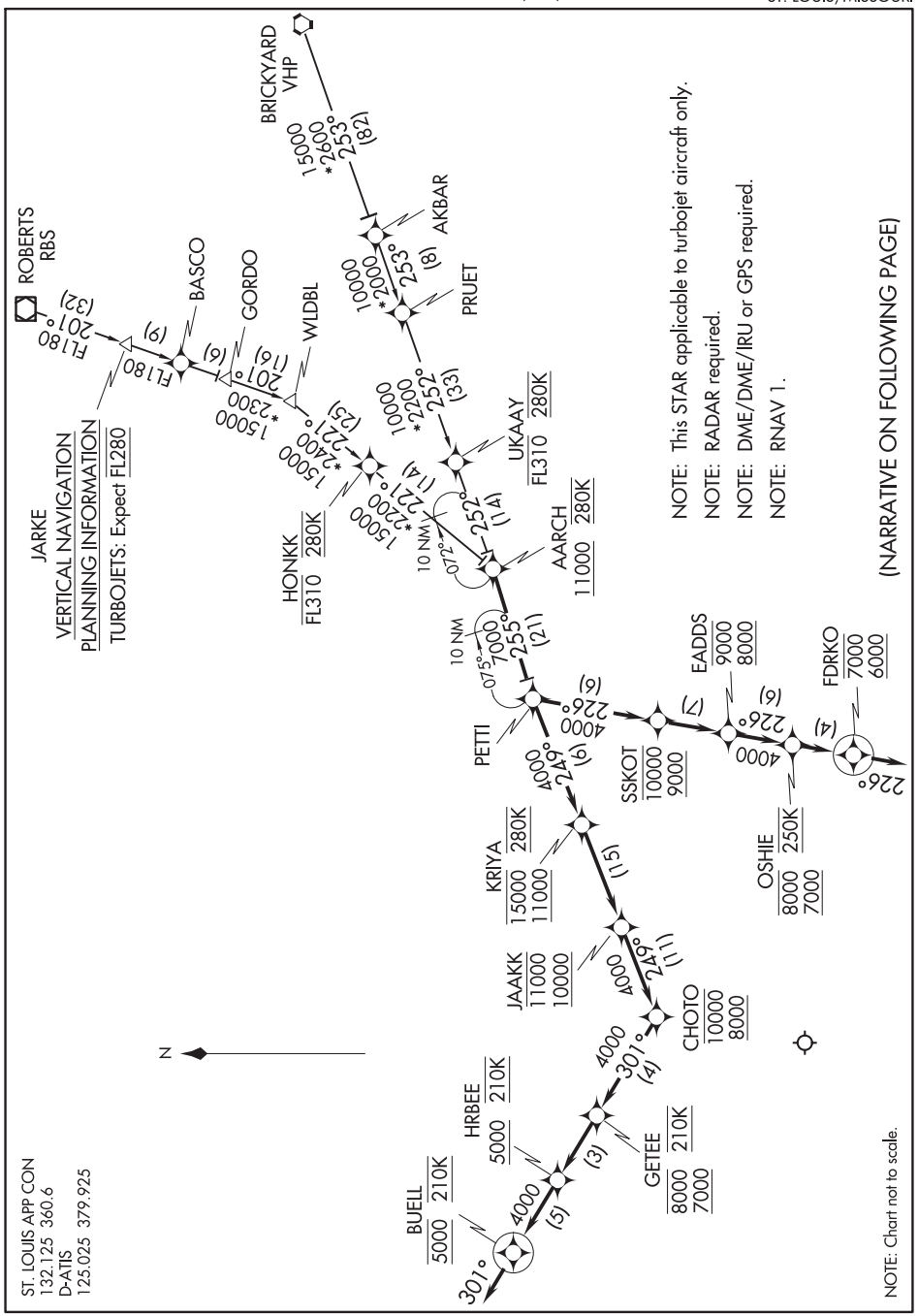
CITY/AIRPORT	HOT SPOT	DESCRIPTION*
KIRKSVILLE, MO		
KIRKSVILLE RGNL (IRK)	HS 1	Turf rwy taxi route via Rwy 18-36.
MASON CITY, IA		
MASON CITY MUNI (MCW)	HS 1	Twy leads to multiple rwys.
ST JOSEPH, MO		
ROSECRANS MEMORIAL (STJ)	HS 1	Closely located rwys.
	HS 2	Back taxi required for full length Rwy 13.
ST LOUIS, MO		
ST LOUIS LAMBERT INTL (STL)	HS 1	Turn onto Twy S from Twy F for Rwy 12L.
SIOUX CITY, IA		
SIOUX GATEWAY / BRIGADIER GENERAL BUD DAY FIELD (SUX)	HS 1	Area not visible from the twr.
	HS 2	Twy A near the ARFF bldg and Twy G are not visible from ATCT.
SPRINGFIELD, MO		
SPRINGFIELD-BRANSON NATIONAL (SGF)	HS 1	Twr blind spot on movement area.
	HS 2	INT of Twy D and Twy N is in close proximity to Rwy 02-20 and Rwy 14-32. Use caution to insure proper turns to avoid entering the rwy without a clearance.
WATERLOO, IA		
WATERLOO RGNL (ALO)	HS 1	Twy int near rwys.
	HS 2	Twy crosses to ANG Hangar and rwy.

*See appropriate Chart Supplement HOT SPOT table for additional information.

20366

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021


BRICKYARD VHP
15000 *2600 253° (8)
AKBAR
1000 *2000 253° (8)
PRUET
1000 *2200 252° (33)
UKAAY
FL310 280K
ROBERTS RBS
FL180 201° (32)
BASCO
FL180 (9)
GORDO
1500 *2300 201° (16)
WLDBL
1500 *2400 221° (25)
HONKK
FL310 280K
1500 *2200 221° (14)
10 NM
072°
252° (14)
AARCH
11000 280K
JARKE
VERTICAL NAVIGATION
PLANNING INFORMATION
TURBOJETS: Expect FL280
10 NM
075°
7000 255° (21)
PETTI
4000 249° (9)
KRIYA
15000 280K
11000
JAAKK
11000
11000
10000
4000 249° (11)
CHOTO
10000
8000
4000 301° (4)
GETEE
8000 210K
7000
HRBEE
5000 210K
4000 (3)
BUELL
5000 210K
4000 (5)
301°
N
ST. LOUIS APP CON
132.125 360.6
D-ATIS
125.025 379.925
NOTE: This STAR applicable to turbojet aircraft only.
NOTE: RADAR required.
NOTE: DME/DME/IRU or GPS required.
NOTE: RNAV 1.
(NARRATIVE ON FOLLOWING PAGE)
SSKOT
10000
9000
4000 226° (7)
EADDS
9000
8000
4000 226° (6)
OSHIE
8000 250K
7000
FDRKO
7000
6000
226° (4)
NOTE: Chart not to scale.

ARRIVAL ROUTE DESCRIPTION

AKBAR TRANSITION (AKBAR.AARCH2)

BRICKYARD TRANSITION (VHP.AARCH2)

ROBERTS TRANSITION (RBS.AARCH2)

From AARCH on track 255° to PETTI.

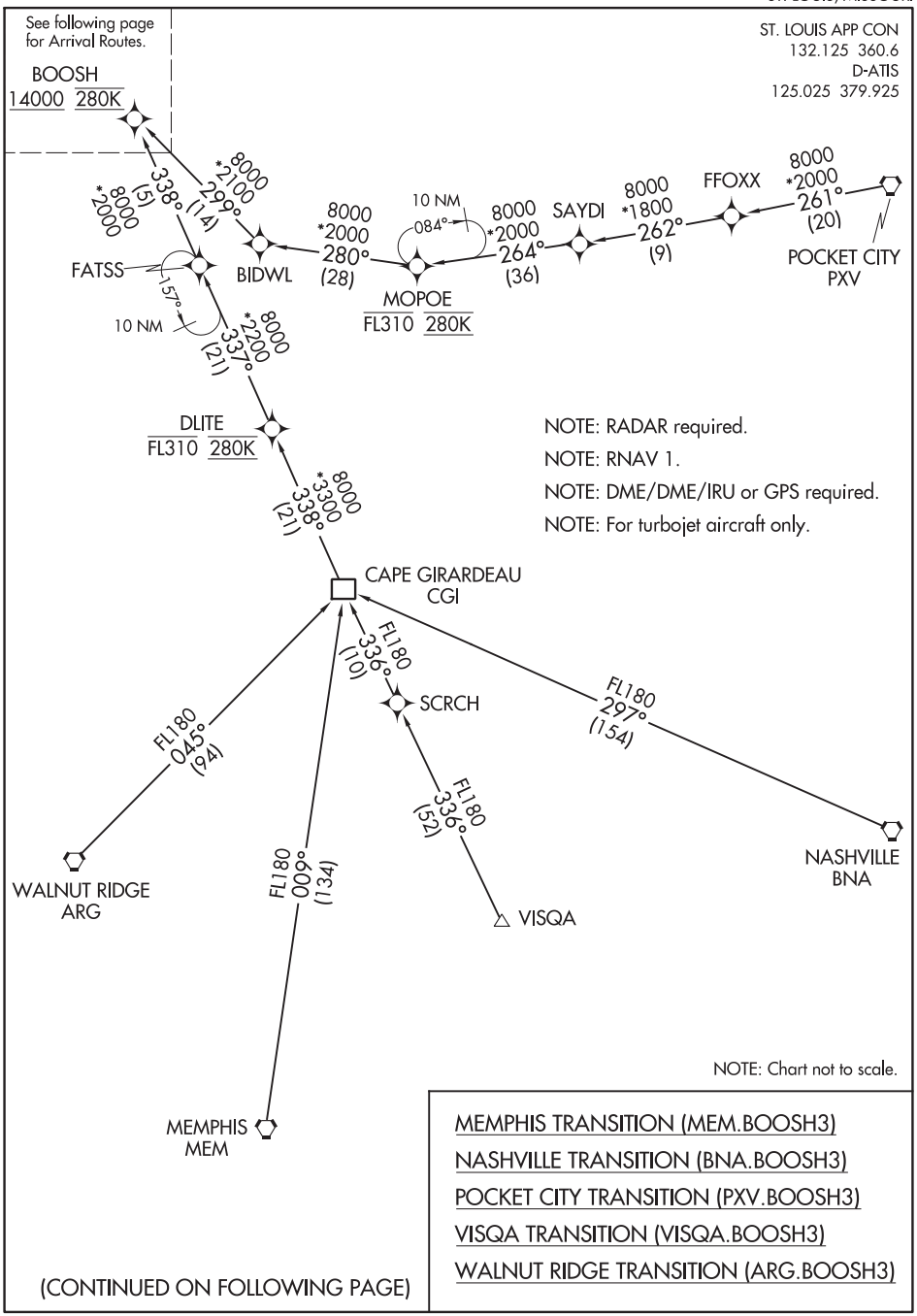
LANDING RUNWAYS 11/12L/R: From PETTI on track 249° to cross KRIYA at or above 11000 and at or below 15000 and at 280K, then on track 249° to cross JAAKK at or above 10000 and at or below 11000, then on track 249° to cross CHOTO at or above 8000 and at or below 10000, then on track 301° to cross GETEE at or above 7000 and at or below 8000 and at 210K, then on track 301° to cross HRBEE at or above 5000 and at 210K, then on track 301° to cross BUELL at 5000 and at 210K. Expect RADAR vectors to final approach course.
If not received by BUELL, track via 301°.

LANDING RUNWAYS 29/30L/R: From PETTI on track 226° to cross SSKOT at or above 9000 and at or below 10000, then on track 226° to cross EADDS at or above 8000 and at or below 9000, then on track 226° to cross OSHIE at or above 7000 and at or below 8000, then on track 226° to cross FDRKO at or above 6000 and at or below 7000, then via assigned instrument approach procedure.
If approach clearance not received by FDRKO, track via 226°, expect RADAR vectors to final approach course.

NC-3, 25 FEB 2021 to 22 APR 2021

BOOSH THREE ARRIVAL (RNAV) Transition Routes

ST LOUIS LAMBERT INTL (STL)
ST. LOUIS, MISSOURI



MEMPHIS TRANSITION (MEM.BOOSH3)
NASHVILLE TRANSITION (BNA.BOOSH3)
POCKET CITY TRANSITION (PXV.BOOSH3)
VISQA TRANSITION (VISQA.BOOSH3)
WALNUT RIDGE TRANSITION (ARG.BOOSH3)

(CONTINUED ON FOLLOWING PAGE)

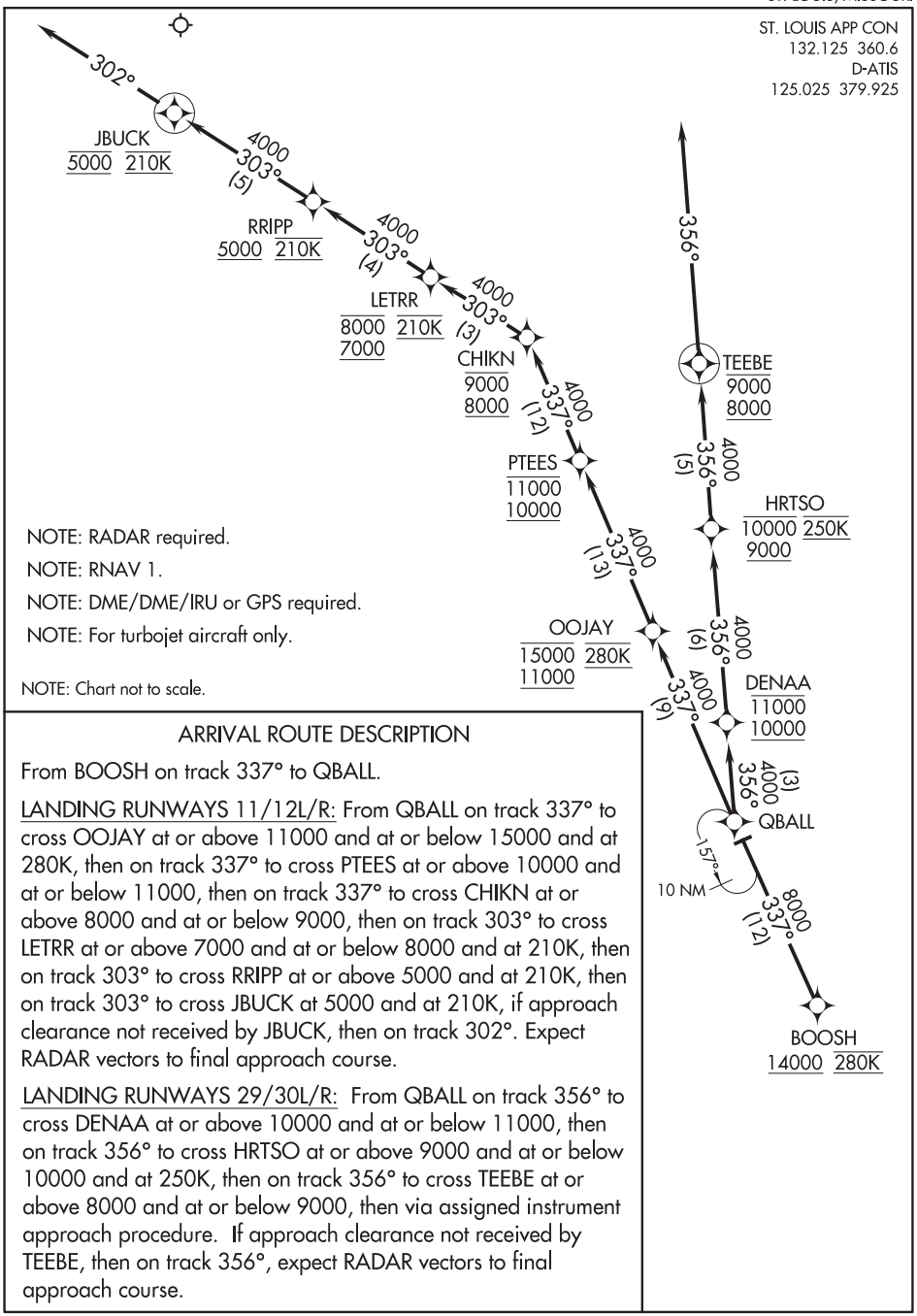
NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

(BOOSH.BOOSH3) 20198

AL-360 (FAA)

BOOSH THREE ARRIVAL (RNAV) Arrival Routes

ST LOUIS LAMBERT INTL (STL)
ST. LOUIS, MISSOURI



NOTE: RADAR required.

NOTE: RNAV 1.

NOTE: DME/DME/IRU or GPS required.

NOTE: For turbojet aircraft only.

NOTE: Chart not to scale.

ARRIVAL ROUTE DESCRIPTION

From BOOSH on track 337° to QBALL.

LANDING RUNWAYS 11/12L/R: From QBALL on track 337° to cross OOJAY at or above 11000 and at or below 15000 and at 280K, then on track 337° to cross PTEES at or above 10000 and at or below 11000, then on track 337° to cross CHIKN at or above 8000 and at or below 9000, then on track 303° to cross LETRR at or above 7000 and at or below 8000 and at 210K, then on track 303° to cross RRIPP at or above 5000 and at 210K, then on track 303° to cross JBUCK at 5000 and at 210K, if approach clearance not received by JBUCK, then on track 302°. Expect RADAR vectors to final approach course.

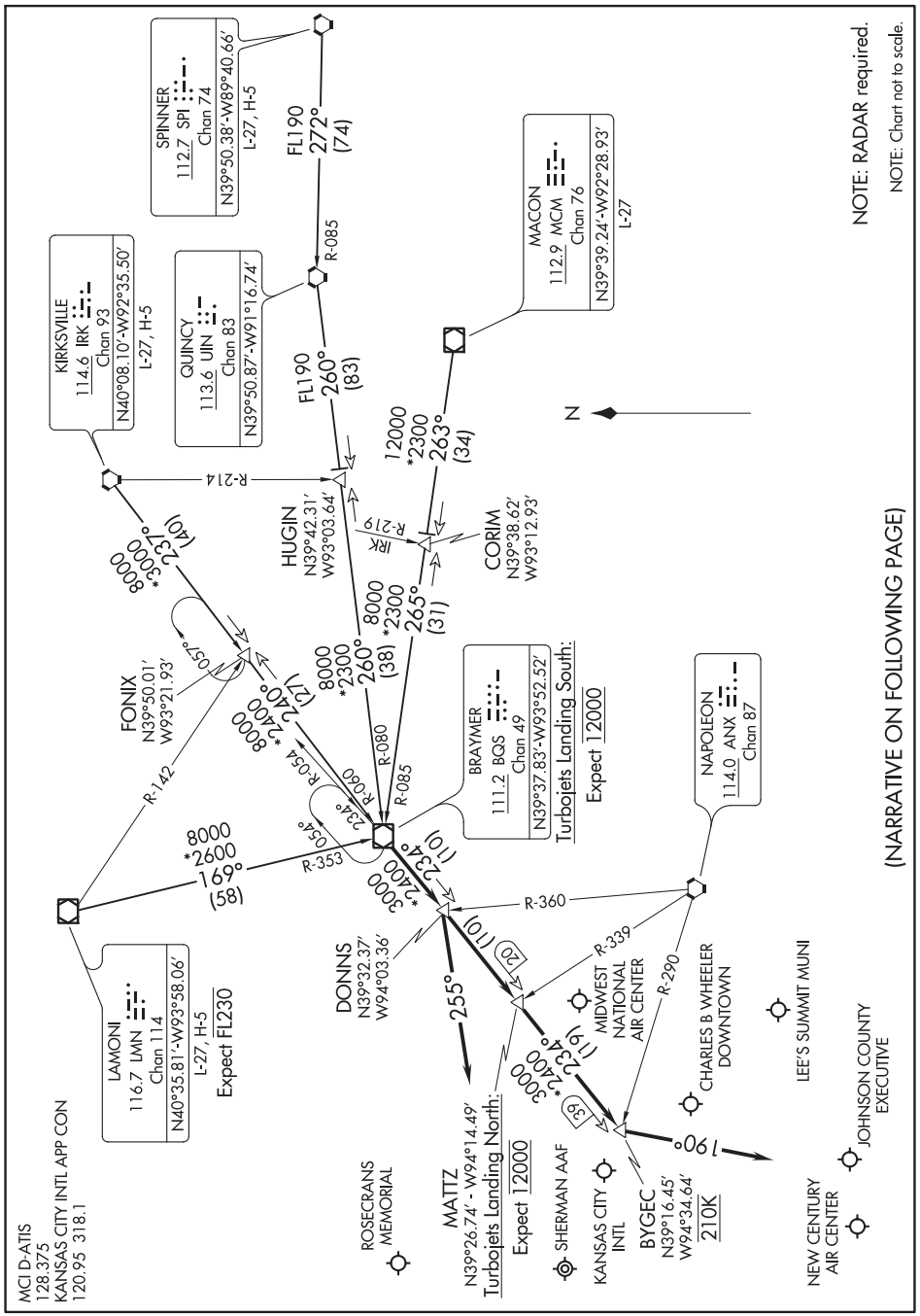
LANDING RUNWAYS 29/30L/R: From QBALL on track 356° to cross DENAA at or above 10000 and at or below 11000, then on track 356° to cross HRTSO at or above 9000 and at or below 10000 and at 250K, then on track 356° to cross TEEBE at or above 8000 and at or below 9000, then via assigned instrument approach procedure. If approach clearance not received by TEEBE, then on track 356°, expect RADAR vectors to final approach course.

NC-3, 25 FEB 2021 to 22 APR 2021

BOOSH THREE ARRIVAL (RNAV) Arrival Routes

(BOOSH.BOOSH3) 16JUL20

ST. LOUIS, MISSOURI
ST LOUIS LAMBERT INTL (STL)


SPINNER
112.7 SPI
Chan 74
N39°50.38'-W89°40.66'
L-27, H-5
FL190
272°
(74)
R-085
KIRKSVILLE
114.6 IRK
Chan 93
N40°08.10'-W92°35.50'
L-27, H-5
QUINCY
113.6 UIN
Chan 83
N39°50.87'-W91°16.74'
FL190
260°
(83)
MACON
112.9 MCM
Chan 76
N39°39.24'-W92°28.93'
L-27
12000
*2300
263°
(34)
N
R-214
HUGIN
N39°42.31'
W93°03.64'
R-219
RK
CORIM
N39°38.62'
W93°12.93'
8000
*5000
237°
(40)
8000
*2300
265°
(31)
FONIX
N39°50.01'
W93°21.93'
057°
8000
*2300
260°
(38)
8000
*2400
240°
(27)
R-142
R-054
R-060
R-080
R-085
BRAYMER
111.2 BQS
Chan 49
N39°37.83'-W93°52.52'
Turbojets Landing South:
Expect 12000
NAPOLEON
114.0 ANX
Chan 87'
8000
*2600
169°
(58)
054°
234°
R-353
3000
*2400
234°
(10)
R-360
DONNS
N39°32.37'
W94°03.36'
255°
20
(10)
R-339
MIDWEST
NATIONAL
AIR CENTER
R-290
CHARLES B WHEELER
DOWNTOWN
LEE'S SUMMIT MUNI
LAMONI
116.7 LMN
Chan 114
N40°35.81'-W93°58.06'
L-27, H-5
Expect FL230
3000
*2400
234°
(19)
39
190°
JOHNSON COUNTY
EXECUTIVE
ROSECRANS
MEMORIAL
MATTZ
N39°26.74' - W94°14.49'
Turbojets Landing North:
Expect 12000
SHERMAN AAF
KANSAS CITY
INTL
BYGEC
N39°16.45'
W94°34.64'
210K
NEW CENTURY
AIR CENTER
MCI D-ATIS
128.375
KANSAS CITY INTL APP CON
120.95 318.1
NOTE: RADAR required.
NOTE: Chart not to scale.
(NARRATIVE ON FOLLOWING PAGE)
NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

ARRIVAL ROUTE DESCRIPTION

KIRKSVILLE TRANSITION (IRK.BQS6): From over IRK VORTAC on IRK R-237 to FONIX, then on BQS R-060 to BQS VOR/DME. Thence. . . .

LAMONI TRANSITION (LMN.BQS6): From over LMN VOR/DME on LMN R-169 and BQS R-353 to BQS VOR/DME. Thence. . . .

MACON TRANSITION (MCM.BQS6): From over MCM VOR/DME on MCM R-263 to CORIM, then on BQS R-085 to BQS VOR/DME. Thence. . . .

SPINNER TRANSITION (SPI.BQS6): From over SPI VORTAC on SPI R-272 and UIN R-085 to UIN VORTAC, then on UIN R-260 to HUGIN, then on BQS R-080 to BQS VOR/DME. Thence. . . .

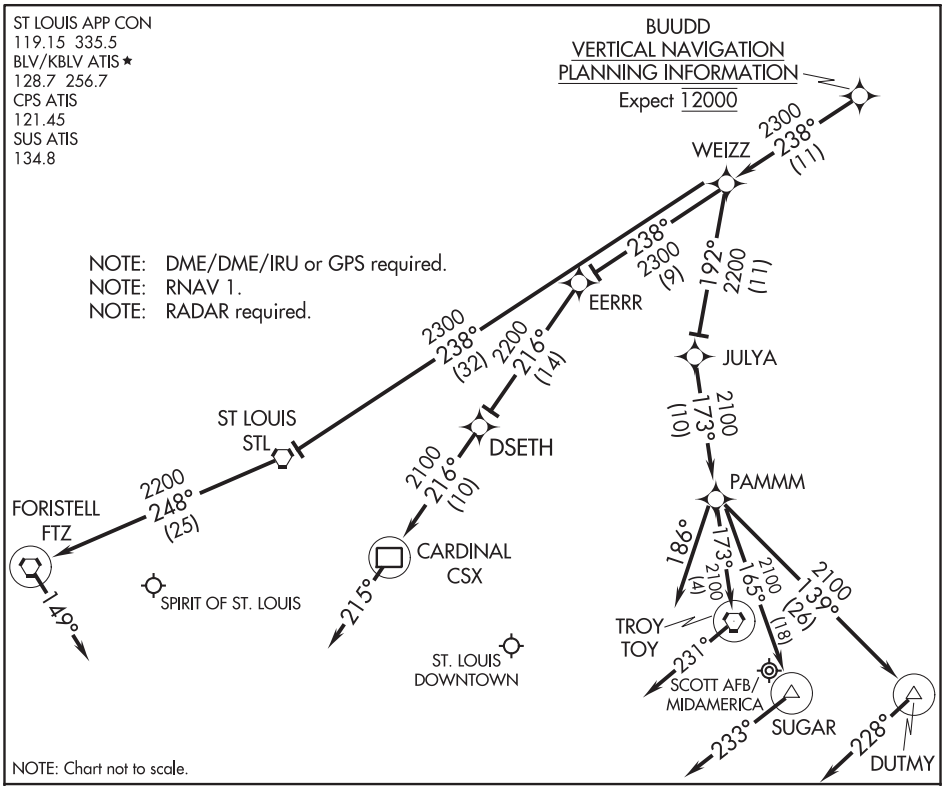
LANDING KANSAS CITY INTL:
RUNWAYS 1L/R: From over BQS VOR/DME on BQS R-234 to BYGEC then on heading 190°. Thence. . . .
RUNWAYS 19L/R: From over BQS VOR/DME on BQS R-234 to DONNS then on heading 255°. Thence. . . .
RUNWAYS 9, 27: From over BQS VOR/DME on BQS R-234 to DONNS. Thence. . . .

LANDING CHARLES B WHEELER DOWNTOWN (MKC):
RUNWAYS 1, 3: From over BQS VOR/DME on BQS R-234 to BYGEC then on heading 190°. Thence. . . .
RUNWAYS 19, 21: From over BQS VOR/DME on BQS R-234 to DONNS. Thence. . . .

LANDING OLATHE/JOHNSON COUNTY EXECUTIVE and OLATHE/NEW CENTURY AIRCENTER:
From over BQS VOR/DME on BQS R-234 to BYGEC then on heading 190°. Thence. . . .

ALL OTHER AIRPORTS:
From over BQS VOR/DME R-234 to DONNS. Thence. . . .

. . . .expect RADAR vectors to final approach.



ARRIVAL ROUTE DESCRIPTION

SPIRIT OF ST. LOUIS:

LANDING RUNWAYS 8L/R: From BUUDD on track 238° to WEIZZ, then on track 238° to STL VORTAC, then on track 248° to FTZ VORTAC. Expect RADAR vectors prior to FTZ VORTAC, if no heading received, track 149°.

LANDING RUNWAYS 26L/R: From BUUDD on track 238° to WEIZZ, then on track 238° to EERRR, then on track 216° to DSETH, then on track 216° to CSX DME. Expect RADAR vectors prior to CSX DME, if no heading received, track 215°.

ST. LOUIS DOWNTOWN:

LANDING RUNWAY 12R: From BUUDD on track 238° to WEIZZ, then on track 192° to JULYA, then on track 173° to PAMMM. Expect RADAR vectors prior to PAMMM, if no heading received, track 186°.

LANDING RUNWAYS 30L/R: From BUUDD on track 238° to WEIZZ, then on track 192° to JULYA, then on track 173° to PAMMM, then on track 165° to SUGAR. Expect RADAR vectors prior to SUGAR, if no heading received, track 233°.

SCOTT AFB/MIDAMERICA:

LANDING RUNWAYS 14L/R: From BUUDD on track 238° to WEIZZ, then on track 192° to JULYA, then on track 173° to PAMMM, then on track 173° to TOY VORTAC. Expect RADAR vectors prior to TOY VORTAC, if no heading received, track 231°.

LANDING RUNWAYS 32L/R: From BUUDD on track 238° to WEIZZ, then on track 192° to JULYA, then on track 173° to PAMMM, then on track 139° to DUTMY. Expect RADAR vectors prior to DUTMY, if no heading received, track 228°.

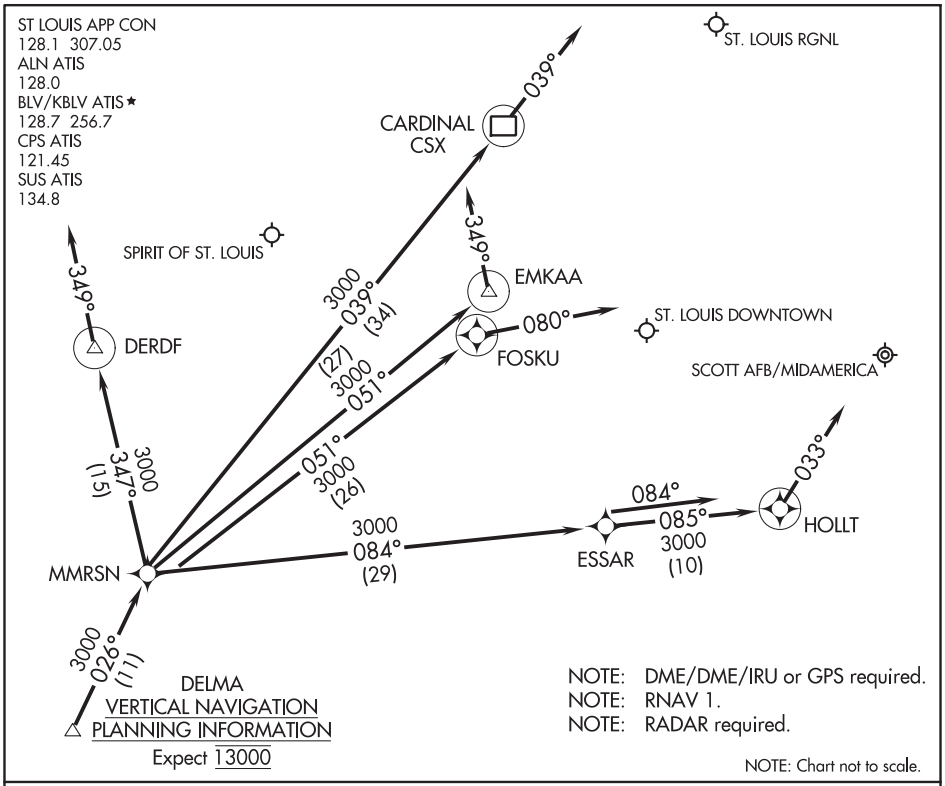
NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

(DELMA.DELMA4) 20366

DELMA FOUR ARRIVAL (RNAV)

AL-46 (FAA)

BELLEVILLE, ILLINOIS



ARRIVAL ROUTE DESCRIPTION

SPIRIT OF ST. LOUIS:
LANDING RUNWAYS 8L/R: From DELMA on track 026° to MMRSN, then on track 347° to DERDF. Expect RADAR vectors to final approach. If no heading received, track 349°.
LANDING RUNWAYS 26L/R: From DELMA on track 026° to MMRSN, then on track 051° to EMKAA. Expect RADAR vectors to final approach. If no heading received, track 349°.

ST. LOUIS DOWNTOWN:
LANDING RUNWAY 12R: From DELMA on track 026° to MMRSN, then on track 051° to FOSKU. Expect RADAR vectors to final approach. If no heading received, track 080°.
LANDING RUNWAYS 30L/R: From DELMA on track 026° to MMRSN, then on track 084° to ESSAR, then on track 085° to HOLLT. Expect RADAR vectors to final approach. If no heading received, track 033°.

SCOTT AFB/MIDAMERICA:
LANDING RUNWAYS 14L/R, 32L/R: From DELMA on track 026° to MMRSN, then on track 084° to ESSAR. Expect RADAR vectors to final approach. If no heading received, track 084°.

ST. LOUIS RGNL:
LANDING RUNWAYS 11, 17, 29, 35: From DELMA on track 026° to MMRSN, then on track 039° to CSX DME. Expect RADAR vectors to final approach course. If no heading received, track 039°.

DELMA FOUR ARRIVAL (RNAV)

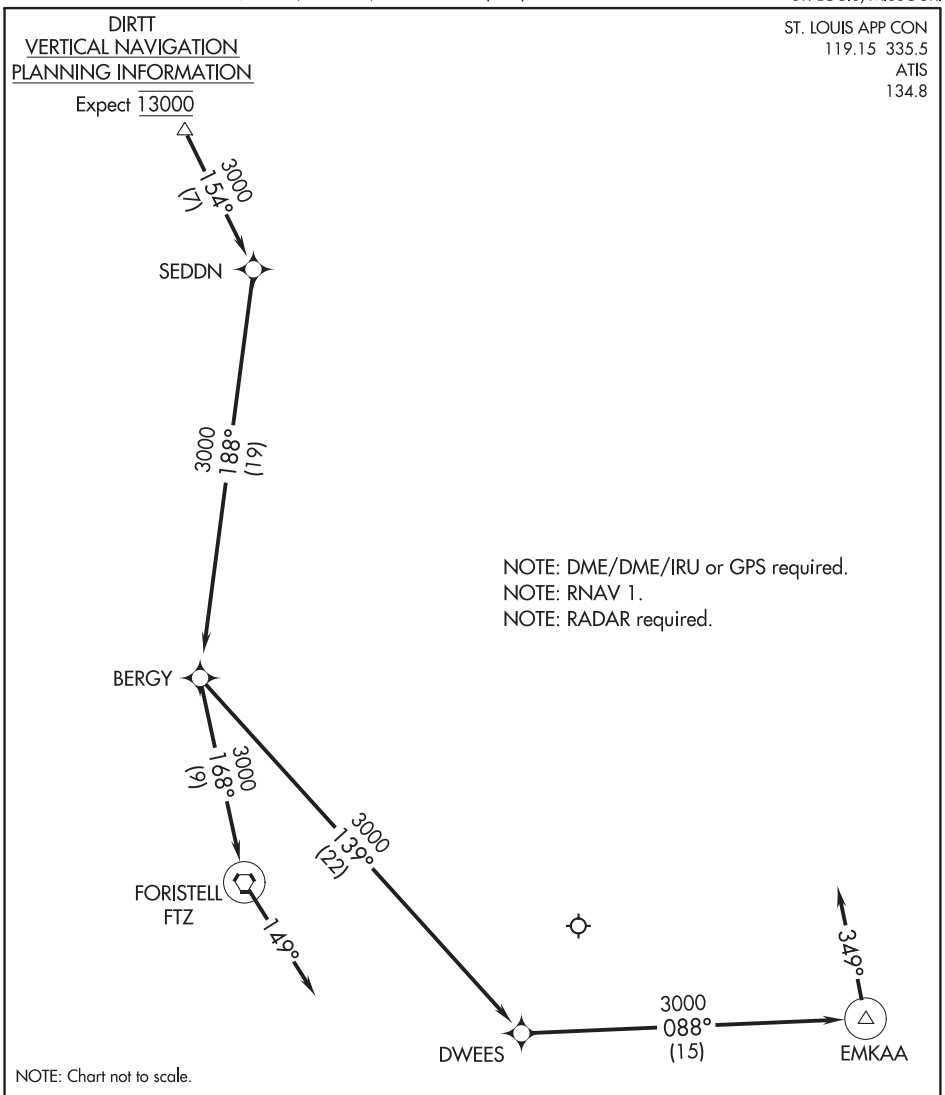
BELLEVILLE, ILLINOIS

(DELMA.DELMA4) 08NOV18

NC-3, 25 FEB 2021 to 22 APR 2021

DIRTT TWO ARRIVAL (RNAV)

AL-5400 (FAA)



ARRIVAL ROUTE DESCRIPTION

From DIRTT on track 154° to SEDDN, then on track 188° to BERGY.

LANDING RUNWAYS 8L/R: From BERGY on track 168° to FTZ VORTAC, then on track 149°. Expect RADAR vectors to final approach prior to FTZ VORTAC.

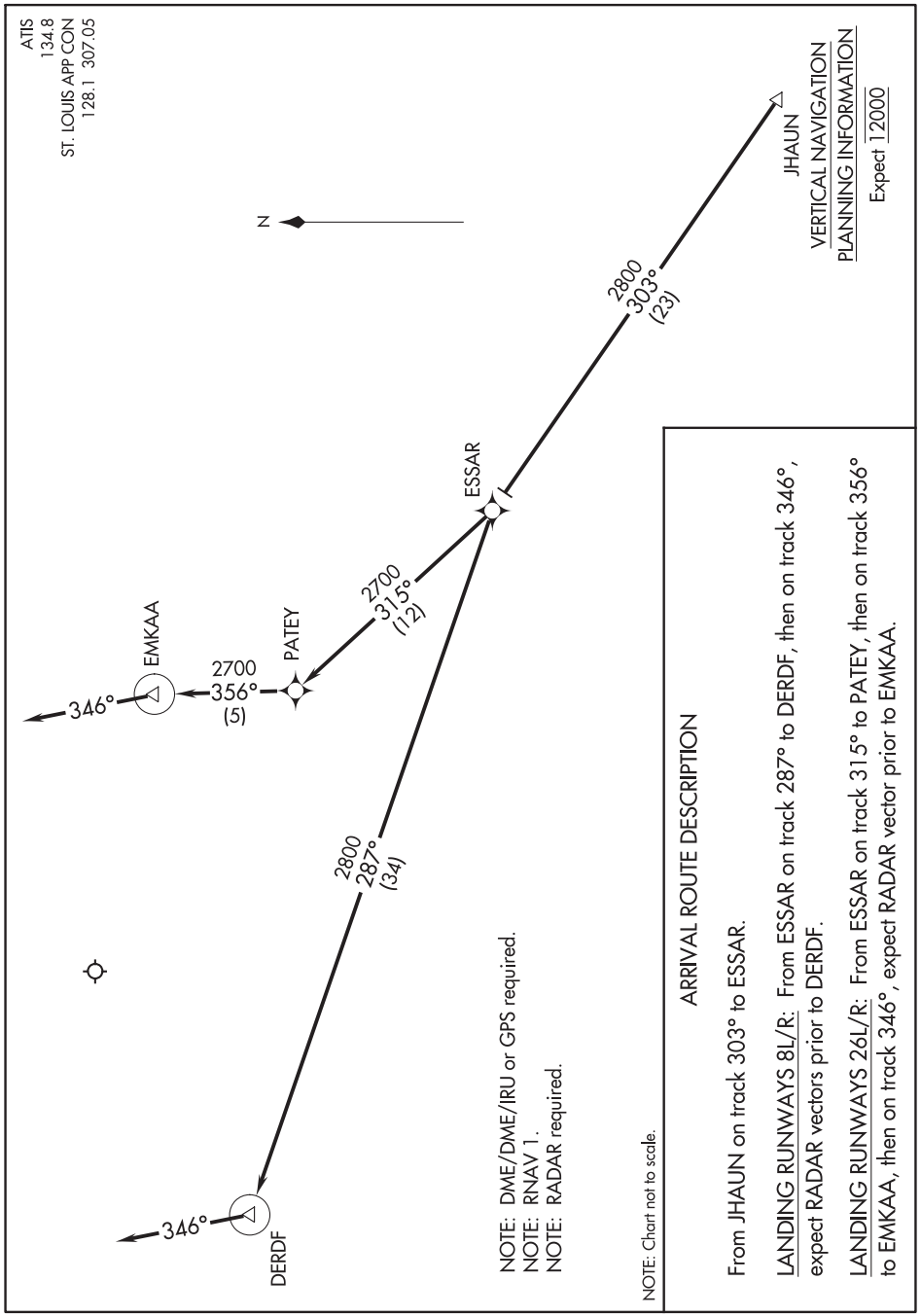
LANDING RUNWAYS 26L/R: From BERGY on track 139° to DWEES, then on track 088° to EMKAA, then on track 349°. Expect RADAR vectors to final approach prior to EMKAA.

(JHAUN.JHAUN1) 16259

JHAUN ONE ARRIVAL (RNAV)

AL-5400 (FAA)

SPIRIT OF ST LOUIS (SUS)
ST. LOUIS, MISSOURI

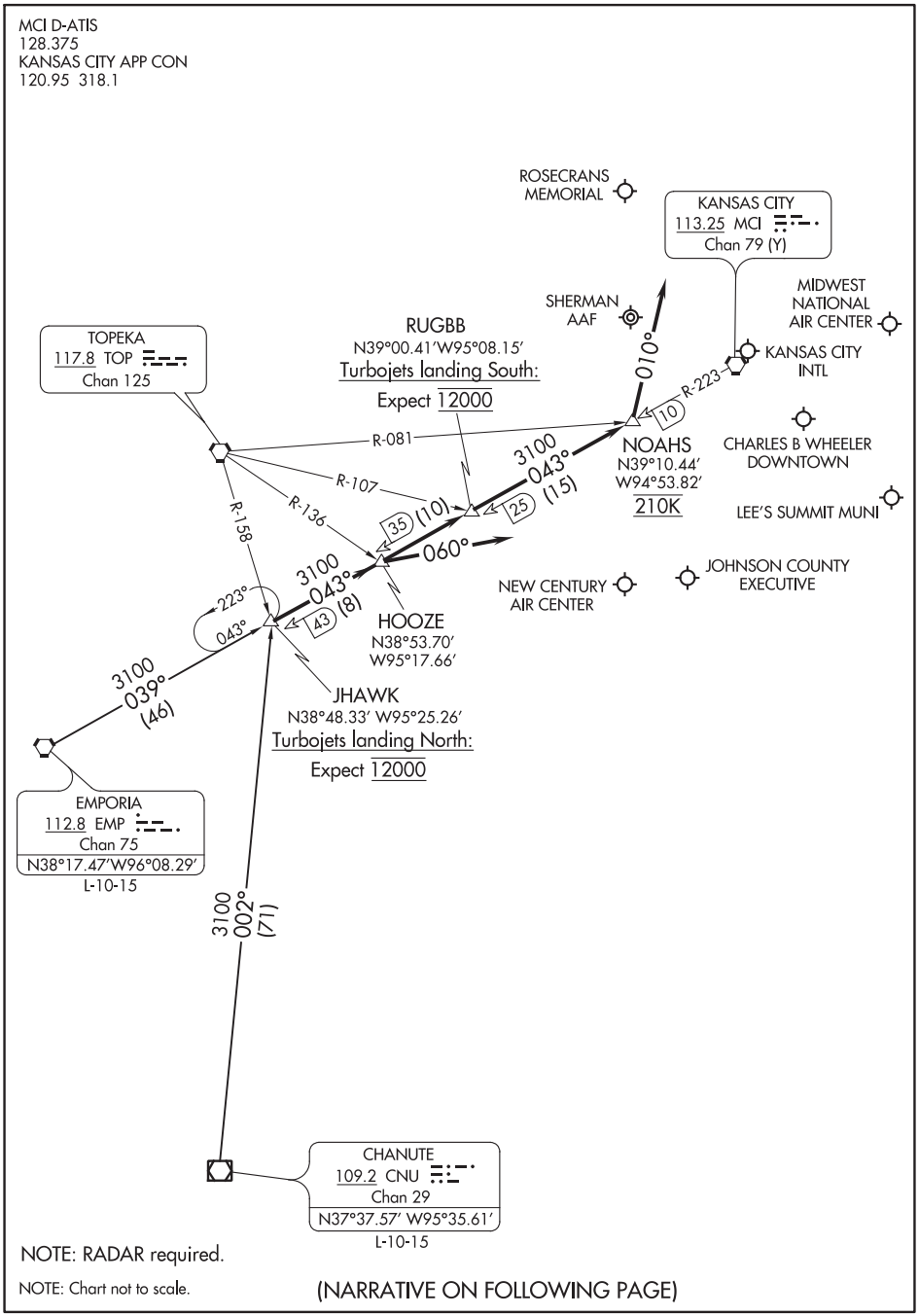


NC-3, 25 FEB 2021 to 22 APR 2021

JHAUN ONE ARRIVAL (RNAV)

(JHAUN.JHAUN1) 15NOV12

ST. LOUIS, MISSOURI
SPIRIT OF ST LOUIS (SUS)



NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

ARRIVAL ROUTE DESCRIPTION

CHANUTE TRANSITION (CNU.JHAWK6): From over CNU VOR/DME via CNU R-002 to JHAWK INT. Thence. . . .

EMPORIA TRANSITION (EMP.JHAWK6): From over EMP VORTAC via EMP R-039 and MCI R-223 to JHAWK INT. Thence. . . .

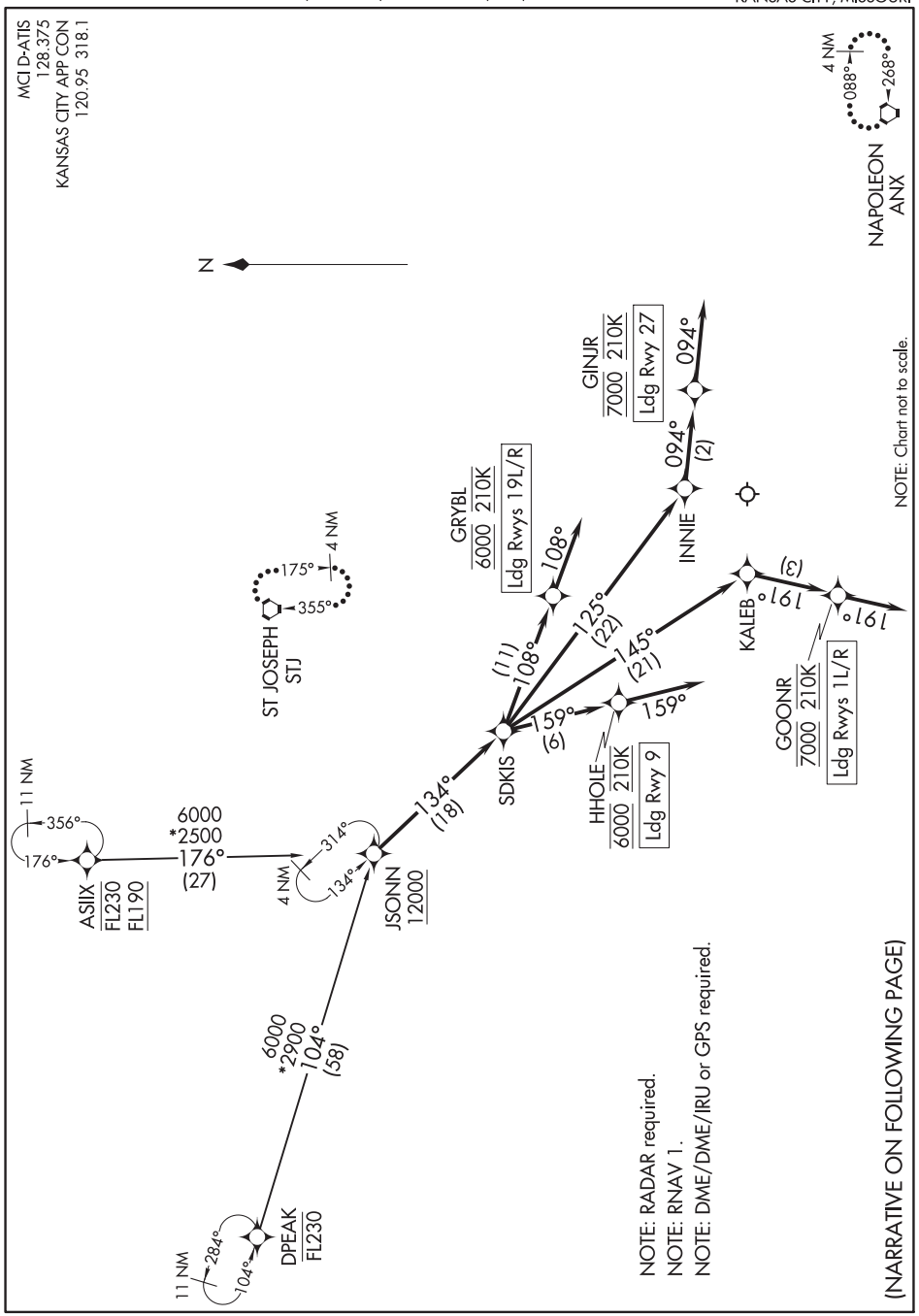
LANDING KANSAS CITY INTL (MCI):
RWYS 19L/R: From over JHAWK INT via MCI R-223 to NOAHS INT then via heading 010°. Thence. . . .
RWYS 1L/R: From over JHAWK INT via MCI R-223 to HOOZE INT then via heading 060°. Thence. . . .
RWYS 9, 27: From over JHAWK INT via MCI R-223 to HOOZE INT. Thence. . . .

LANDING CHARLES B WHEELER DOWNTOWN (MKC):
RWYS 1, 3: From over JHAWK INT via MCI R-223 to HOOZE INT. Thence. . . .
RWYS 19, 21: From over JHAWK INT via MCI R-223 to NOAHS INT then via heading 010°. Thence. . . .

LANDING ST. JOSEPH/ROSECRANS MEMORIAL (STJ) AND SHERMAN AAF (FLV): From over JHAWK INT via MCI R-223 to NOAHS INT then via heading 010°. Thence. . . .

ALL OTHER AIRPORTS: From over JHAWK INT via MCI R-223 to HOOZE INT. Thence. . . .

. . . .expect RADAR vectors to final approach course.


MCI D-ATIS
128.375
KANSAS CITY APP CON
120.95 318.1
N
4 NM
088°
268°
NAPOLEON
ANX
GINJR
7000 210K
Ldg Rwy 27
094°
094°
(2)
INNIE
GRYBL
6000 210K
Ldg Rwys 19L/R
108°
108°
(11)
125°
(22)
145°
(21)
159°
(6)
159°
HHOLE
6000 210K
Ldg Rwy 9
KALEB
191°
(3)
191°
GOONR
7000 210K
Ldg Rwys 1L/R
NOTE: Chart not to scale.
4 NM
175°
355°
ST JOSEPH
STJ
11 NM
356°
176°
ASIIX
FL230
FL190
6000
*2500
176°
(27)
4 NM
314°
134°
JSONN
12000
134°
(18)
SDKIS
6000
*2900
104°
(58)
11 NM
284°
104°
DPEAK
FL230
NOTE: RADAR required.
NOTE: RNAV 1.
NOTE: DME/DME/IRU or GPS required.
(NARRATIVE ON FOLLOWING PAGE)

(JSONN.JSONN1) 21056

JSONN ONE ARRIVAL (RNAV)

AL-780 (FAA)

KANSAS CITY INTL (MCI)
KANSAS CITY, MISSOURI

ARRIVAL ROUTE DESCRIPTION

ASIIX TRANSITION (ASIIX.JSONN1)
DPEAK TRANSITION (DPEAK.JSONN1)

From JSONN on track 134° to SDKIS.

LANDING RUNWAYS 1L/R: From SDKIS on track 145° to KALEB, then on track 191° to cross GOONR at 7000 and at 210K, then on track 191°. Expect RADAR vectors to final approach course.

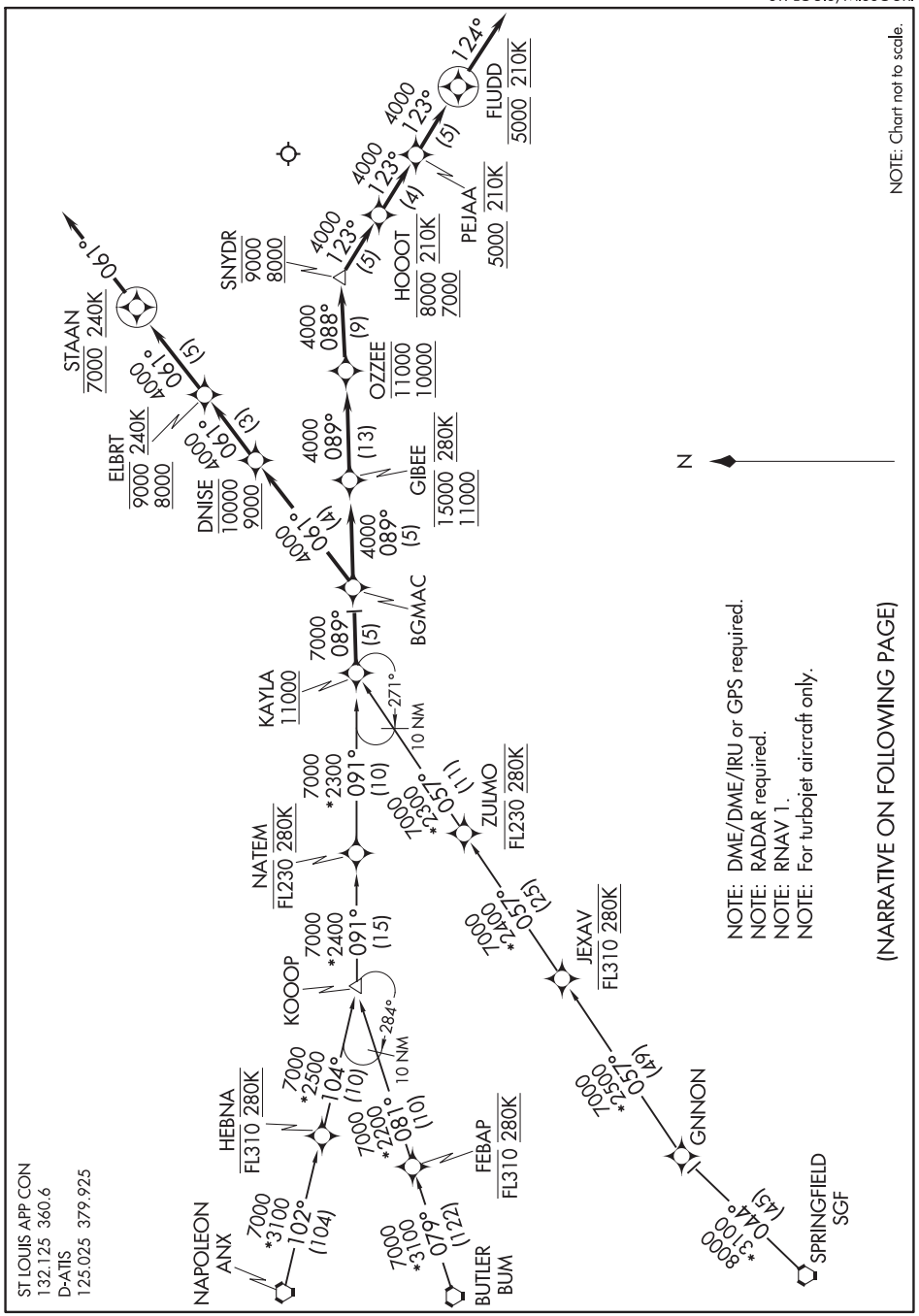
LANDING RUNWAY 9: From SDKIS on track 159° to cross HHOLE at 6000 and at 210K, then on track 159°. Expect RADAR vectors to final approach course.

LANDING RUNWAYS 19L/R: From SDKIS on track 108° to cross GRYBL at 6000 and at 210K, then on track 108°. Expect RADAR vectors to final approach course.

LANDING RUNWAY 27: From SDKIS on track 125° to INNIE, then on track 094° to cross GINJR at 7000 and at 210K, then on track 094°. Expect RADAR vectors to final approach course.

LOST COMMUNICATIONS
SOUTH/NORTH/EAST FLOW: Proceed direct ANX and hold.
WEST FLOW: Proceed direct STJ and hold.

NC-3, 25 FEB 2021 to 22 APR 2021


ST LOUIS APP CON
132.125 360.6
D-ATIS
125.025 379.925
NAPOLEON
ANX
7000
*3100
102°
(104)
HEBNA
FL310 280K
7000
*2500
104°
(10)
7000
*2200
081°
(10)
FEBAP
FL310 280K
BUTLER
BUM
7000
*3100
079°
(122)
KOOOP
7000
*2400
091°
(15)
284°
10 NM
NATEM
FL230 280K
7000
*2300
091°
(10)
271°
10 NM
KAYLA
11000
7000
089°
(5)
BGMAC
4000
089°
(5)
4000
089°
(13)
GIBEE
15000 280K
11000
4000
061°
(4)
DNISE
10000
9000
4000
061°
(3)
ELBRT
9000 240K
8000
4000
061°
(5)
STAAN
7000 240K
061°
ZULMO
FL230 280K
7000
*2500
057°
(11)
7000
*2500
057°
(52)
JEXAV
FL310 280K
7000
*2500
057°
(49)
GNNON
8000
*3100
044°
(45)
SPRINGFIELD
SGF
4000
088°
(9)
OZZEE
11000
10000
SNYDR
9000
8000
4000
123°
(5)
HOOOT
8000 210K
7000
4000
123°
(4)
PEJAA
5000 210K
4000
123°
(5)
FLUDD
5000 210K
124°
N
NOTE: Chart not to scale.
NOTE: DME/DME/IRU or GPS required.
NOTE: RADAR required.
NOTE: RNAV 1.
NOTE: For turbojet aircraft only.
(NARRATIVE ON FOLLOWING PAGE)

ARRIVAL ROUTE DESCRIPTION

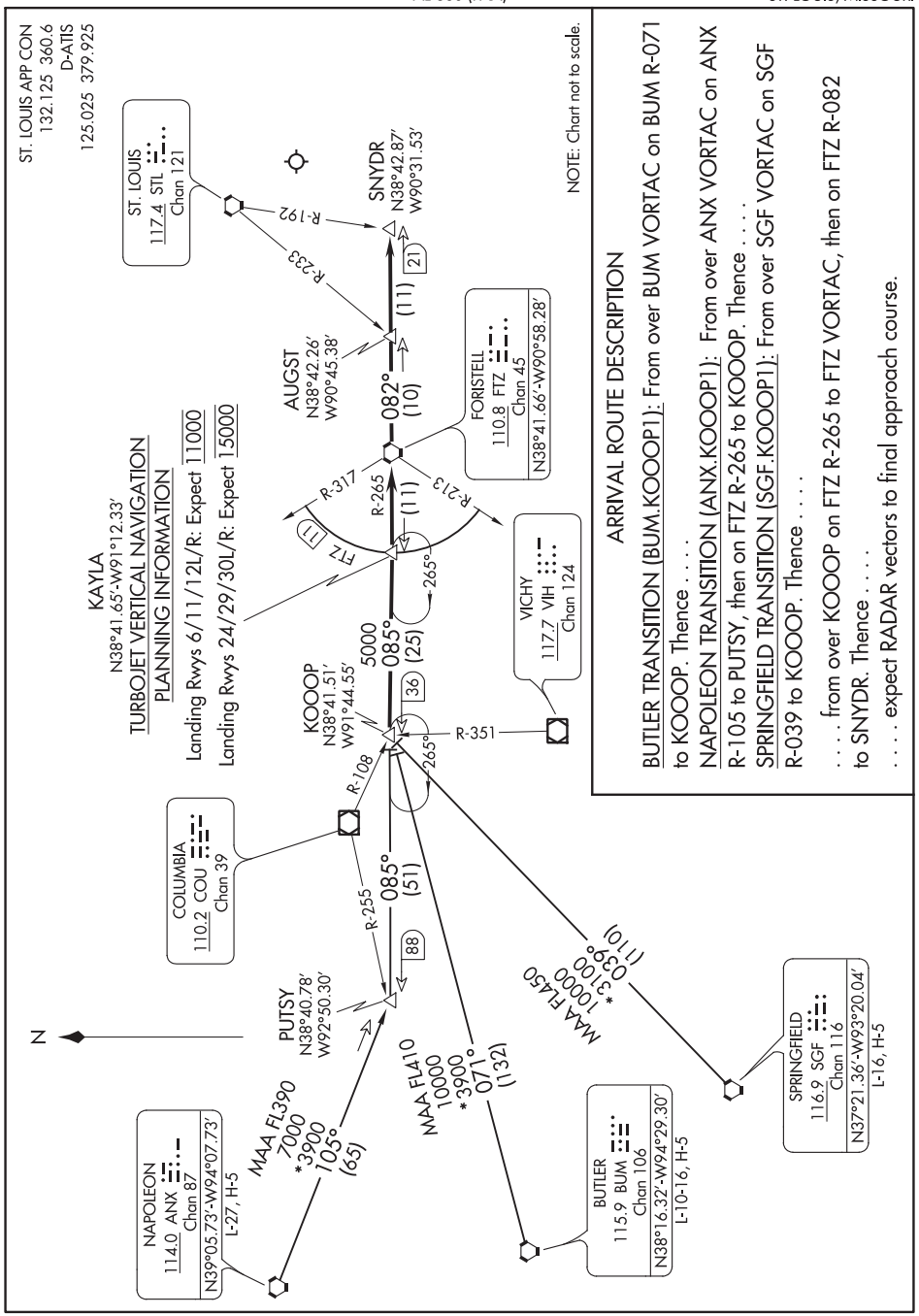
BUTLER TRANSITION (BUM.KAYLA3)
KOOOP TRANSITION (KOOOP.KAYLA3)
NAPOLEON TRANSITION (ANX.KAYLA3)
SPRINGFIELD TRANSITION (SGF.KAYLA3)

From KAYLA on track 089° to BGMAC. Thence. . . .

LANDING RUNWAYS 11/12L/R: From BGMAC on track 061° to cross DNISE at or above 9000 or at or below 10000, then on track 061° to cross ELBRT at or above 8000 and at or below 9000 and at or above 240K, then on track 061° to cross STAAN at 7000 and at or above 240K, then on assigned approach procedure. If approach clearance not received by STAAN, then on track 061°, expect RADAR vectors to final approach course.

LANDING RUNWAYS 29/30L/R: From BGMAC on track 089° to cross GIBEE at or above 11000 and at or below 15000 and at 280K, then on track 089° to cross OZZEE at or above 10000 and at or below 11000, then on track 088° to cross SNYDR at or above 8000 and at or below 9000, then on track 123° to cross HOOOT at or above 7000 and at or below 8000 and at 210K, then on track 123° to cross PEJAA at or above 5000 and at 210K, then on track 123° to cross FLUDD at 5000 and at 210K. If approach clearance not received by FLUDD, then on track 124°, expect RADAR vectors to final approach course.

NC-3, 25 FEB 2021 to 22 APR 2021

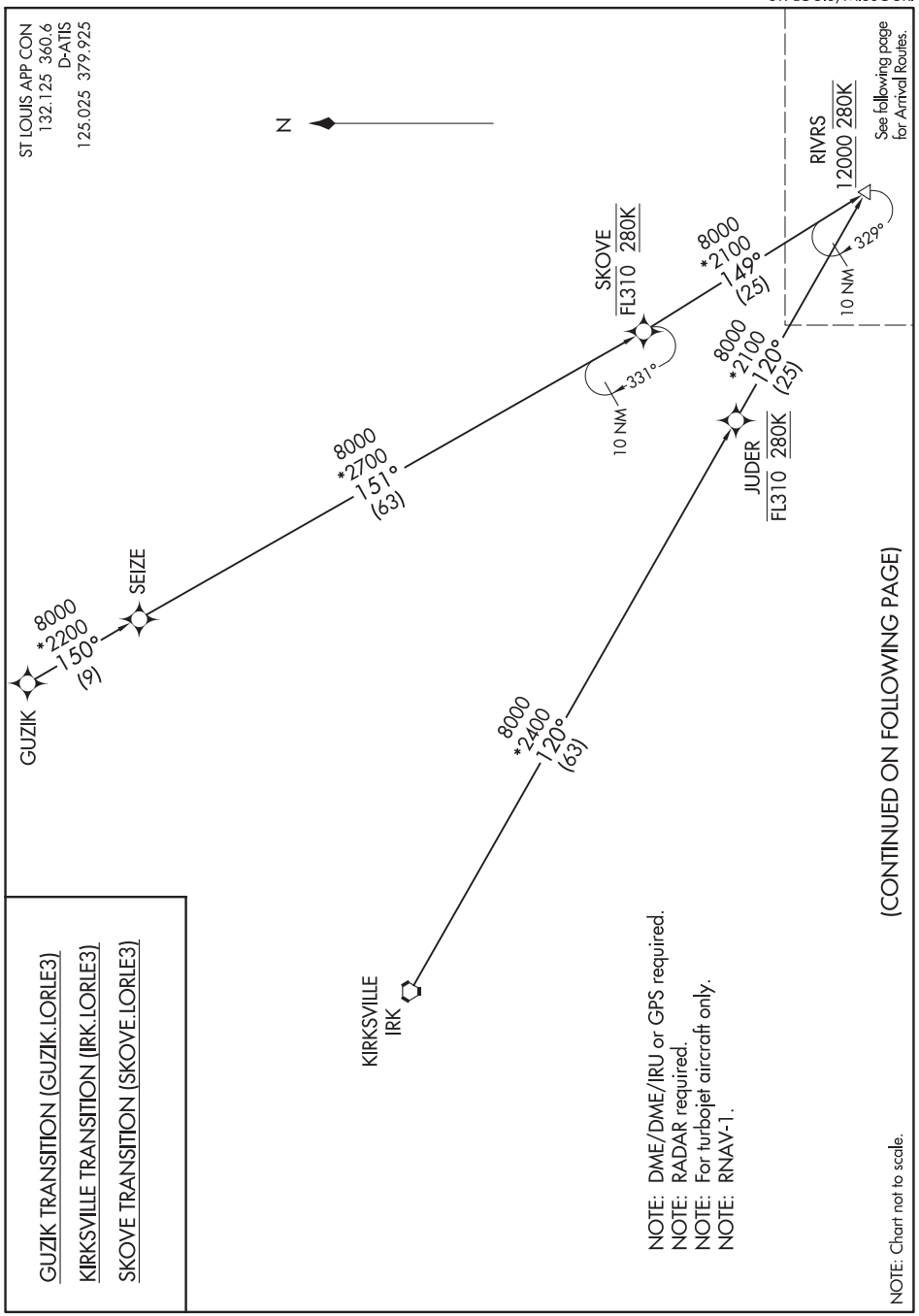

ST. LOUIS APP CON
132.125 360.6
D-ATIS
125.025 379.925
ST. LOUIS
117.4 STL
Chan 121
SNYDR
N38°42.87'
W90°31.53'
R-192
R-233
(21)
(11)
AUGST
N38°42.26'
W90°45.38'
082°
(10)
FORISTELL
110.8 FTZ
Chan 45
N38°41.66'-W90°58.28'
R-317
R-265
R-213
FTZ
(11)
(11)
265°
KAYLA
N38°41.65'-W91°12.33'
TURBOJET VERTICAL NAVIGATION
PLANNING INFORMATION
Landing Rwys 6/11/12L/R: Expect 11000
Landing Rwys 24/29/30L/R: Expect 15000
VICHY
117.7 VIH
Chan 124
5000
085°
(25)
KOOOP
N38°41.51'
W91°44.55'
36
R-351
265°
R-108
COLUMBIA
110.2 COU
Chan 39
R-255
085°
(51)
88
PUTSY
N38°40.78'
W92°50.30'
MAA FL410
10000
*3900
071°
(132)
MAA FL390
7000
*3900
105°
(65)
MAA FL450
10000
*3100
039°
(110)
NAPOLEON
114.0 ANX
Chan 87
N39°05.73'-W94°07.73'
L-27, H-5
BUTLER
115.9 BUM
Chan 106
N38°16.32'-W94°29.30'
L-10-16, H-5
SPRINGFIELD
116.9 SGF
Chan 116
N37°21.36'-W93°20.04'
L-16, H-5
N
NOTE: Chart not to scale.
ARRIVAL ROUTE DESCRIPTION
BUTLER TRANSITION (BUM.KOOOP1): From over BUM VORTAC on BUM R-071 to KOOOP. Thence . . . .
NAPOLEON TRANSITION (ANX.KOOOP1): From over ANX VORTAC on ANX R-105 to PUTSY, then on FTZ R-265 to KOOOP. Thence . . . .
SPRINGFIELD TRANSITION (SGF.KOOOP1): From over SGF VORTAC on SGF R-039 to KOOOP. Thence . . . .
. . . . from over KOOOP on FTZ R-265 to FTZ VORTAC, then on FTZ R-082 to SNYDR. Thence . . . .
. . . . expect RADAR vectors to final approach course.

(LORLE.LORLE3) 18312

AL-360 (FAA)

LORLE THREE ARRIVAL (RNAV) Transition Routes

ST LOUIS LAMBERT INTL (STL)
ST. LOUIS, MISSOURI



NC-3, 25 FEB 2021 to 22 APR 2021

LORLE THREE ARRIVAL (RNAV) Transition Routes

ST. LOUIS, MISSOURI
ST LOUIS LAMBERT INTL (STL)

(LORLE.LORLE3) 07DEC17

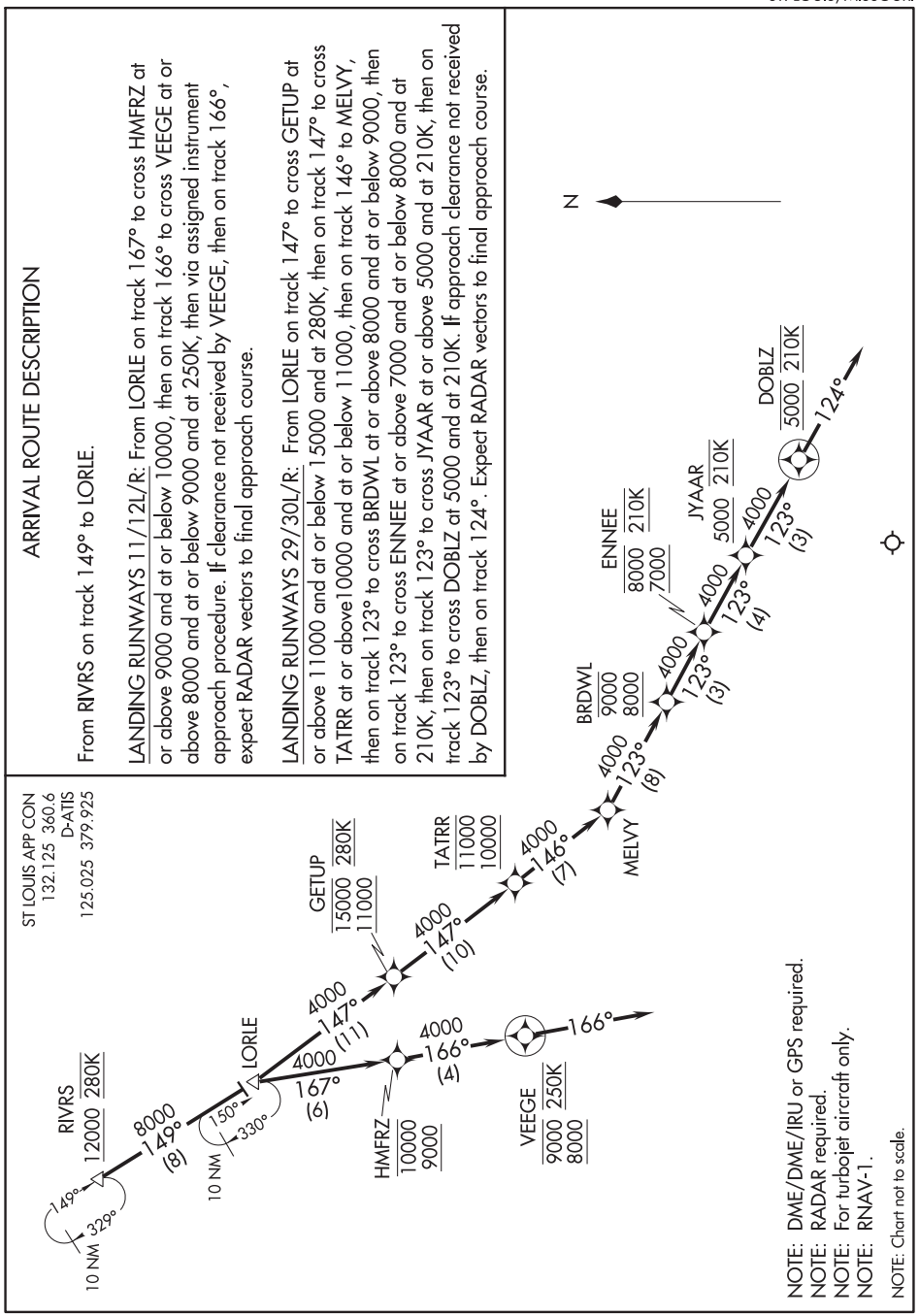
LORLE THREE ARRIVAL (RNAV) Arrival Routes

ARRIVAL ROUTE DESCRIPTION

From RIVRS on track 149° to LORLE.

LANDING RUNWAYS 11/12L/R: From LORLE on track 167° to cross HMFRZ at or above 9000 and at or below 10000, then on track 166° to cross VEEGE at or above 8000 and at or below 9000 and at 250K, then via assigned instrument approach procedure. If clearance not received by VEEGE, then on track 166°, expect RADAR vectors to final approach course.

LANDING RUNWAYS 29/30L/R: From LORLE on track 147° to cross GETUP at or above 11000 and at or below 15000 and at 280K, then on track 147° to cross TATRR at or above10000 and at or below 11000, then on track 146° to MELVY, then on track 123° to cross BRDWL at or above 8000 and at or below 9000, then on track 123° to cross ENNEE at or above 7000 and at or below 8000 and at 210K, then on track 123° to cross JYAAR at or above 5000 and at 210K, then on track 123° to cross DOBLZ at 5000 and at 210K. If approach clearance not received by DOBLZ, then on track 124°. Expect RADAR vectors to final approach course.



NC-3, 25 FEB 2021 to 22 APR 2021

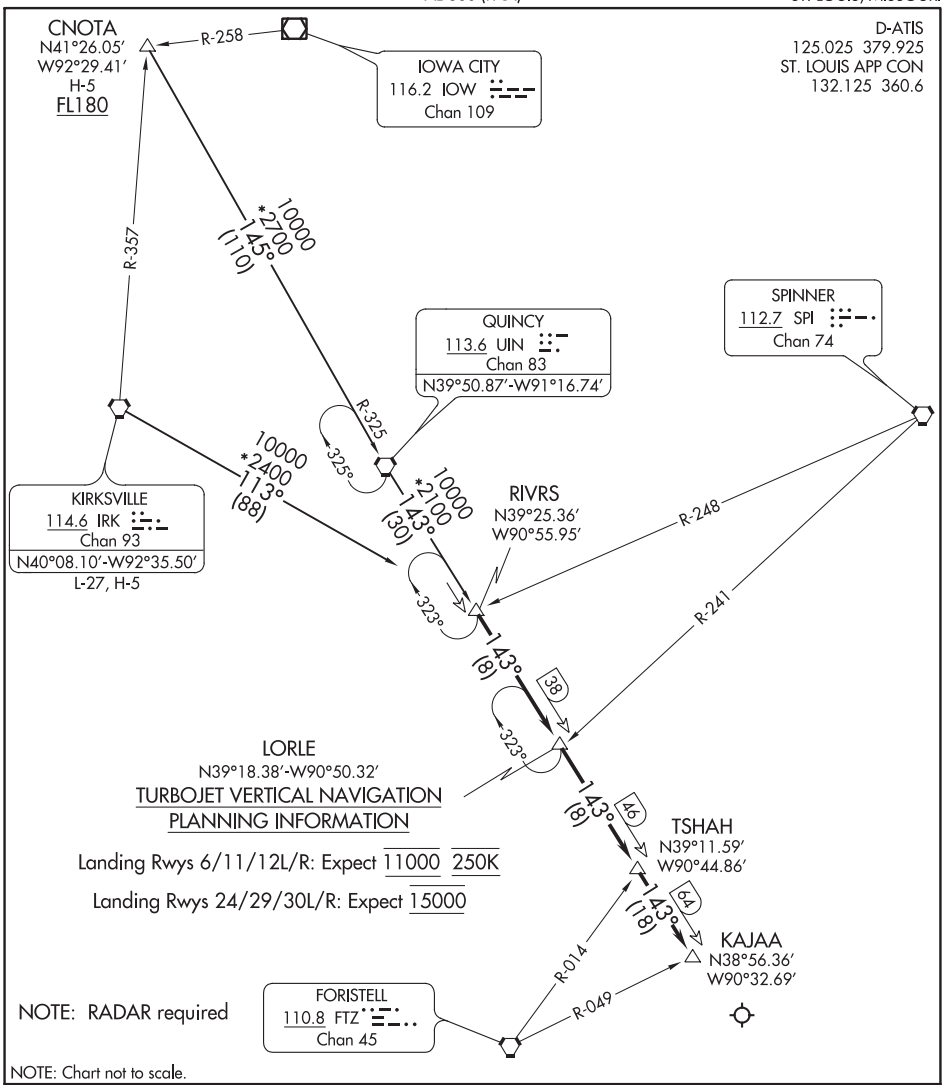
LORLE THREE ARRIVAL (RNAV) Arrival Routes
ST. LOUIS, MISSOURI
ST LOUIS LAMBERT INTL (STL)

(RIVRS.RIVRS6) 20086

RIVRS SIX ARRIVAL

AL-360 (FAA)

ST LOUIS LAMBERT INTL (STL)
ST. LOUIS, MISSOURI



ARRIVAL ROUTE DESCRIPTION

CNOTA TRANSITION (CNOTA.RIVRS6): From over CNOTA on UIN R-325 to UIN VORTAC then on UIN R-143 to RIVRS. Thence. . . .

KIRKSVILLE TRANSITION (IRK.RIVRS6): From over IRK VORTAC on IRK R-113 to RIVRS. Thence. . . .

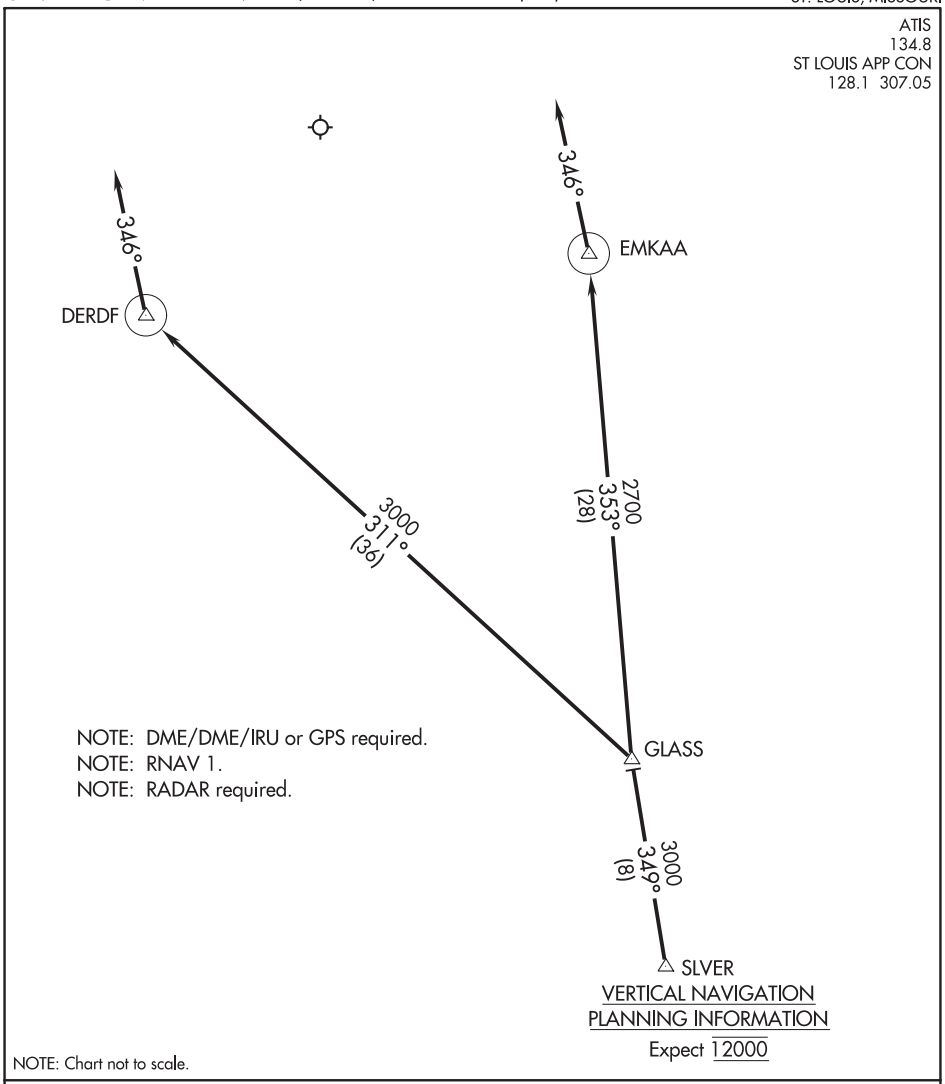
LANDING ALL RUNWAYS: From over RIVRS on UIN R-143 to KAJAA , thence. . . . . .expect vectors to final approach course.

NC-3, 25 FEB 2021 to 22 APR 2021

RIVRS SIX ARRIVAL

(RIVRS.RIVRS6) 20JUN19

ST. LOUIS, MISSOURI
ST LOUIS LAMBERT INTL (STL)



NC-3, 25 FEB 2021 to 22 APR 2021

ARRIVAL ROUTE DESCRIPTION

From SLVER on track 349° to GLASS.

LANDING RUNWAYS 8L/R: From GLASS on track 311° to DERDF, then on track 346°, expect RADAR vectors prior to DERDF.

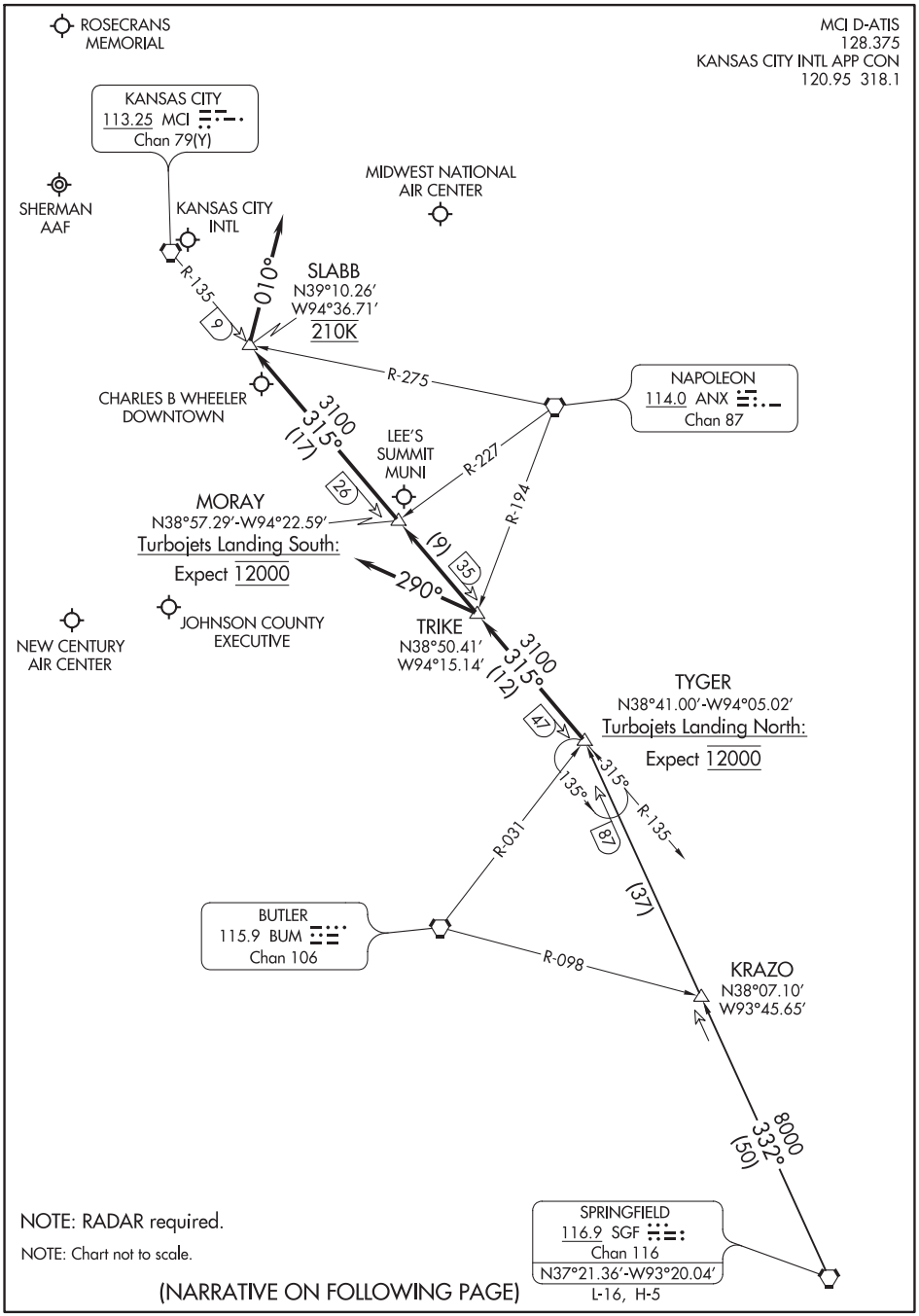
LANDING RUNWAYS 26L/R: From GLASS on track 353° to EMKAA, then on track 346°, expect RADAR prior to EMKAA.

(TYGER.TYGER6) 20198

TYGER SIX ARRIVAL

AL-780 (FAA)

KANSAS CITY, MISSOURI



NOTE: RADAR required.

NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

NC-3, 25 FEB 2021 to 22 APR 2021

TYGER SIX ARRIVAL

KANSAS CITY, MISSOURI

ARRIVAL ROUTE DESCRIPTION

SPRINGFIELD TRANSITION (SGF.TYGER6): From over SGF VORTAC via SGF R-332 to TYGER INT. Thence. . . .

LANDING KANSAS CITY INTL (MCI):
RWYS 19L/R: From over TYGER INT via MCI R-135 to SLABB INT then via heading 010°. Thence. . . .
RWYS 1L/R: From over TYGER INT via MCI R-135 to TRIKE INT then via heading 290°. Thence. . . .
RWYS 9, 27: From over TYGER INT via MCI R-135 to TRIKE INT. Thence. . . .

LANDING CHARLES B WHEELER DOWNTOWN (MKC):
RWYS 1, 3: From over TYGER INT via MCI R-135 to TRIKE INT. Thence. . . .
RWYS 19, 21: From over TYGER INT via MCI R-135 to SLABB INT then via heading 010°. Thence. . . .

LANDING ST. JOSEPH/ROSECRANS MEMORIAL (STJ) and SHERMAN AAF (FLV):
From over TYGER INT via MCI R-135 to SLABB INT then via heading 010°. Thence. . . .

ALL OTHER AIRPORTS: From over TYGER INT via MCI R-135 to TRIKE INT. Thence. . . .

. . . .expect RADAR vectors to final approach course.

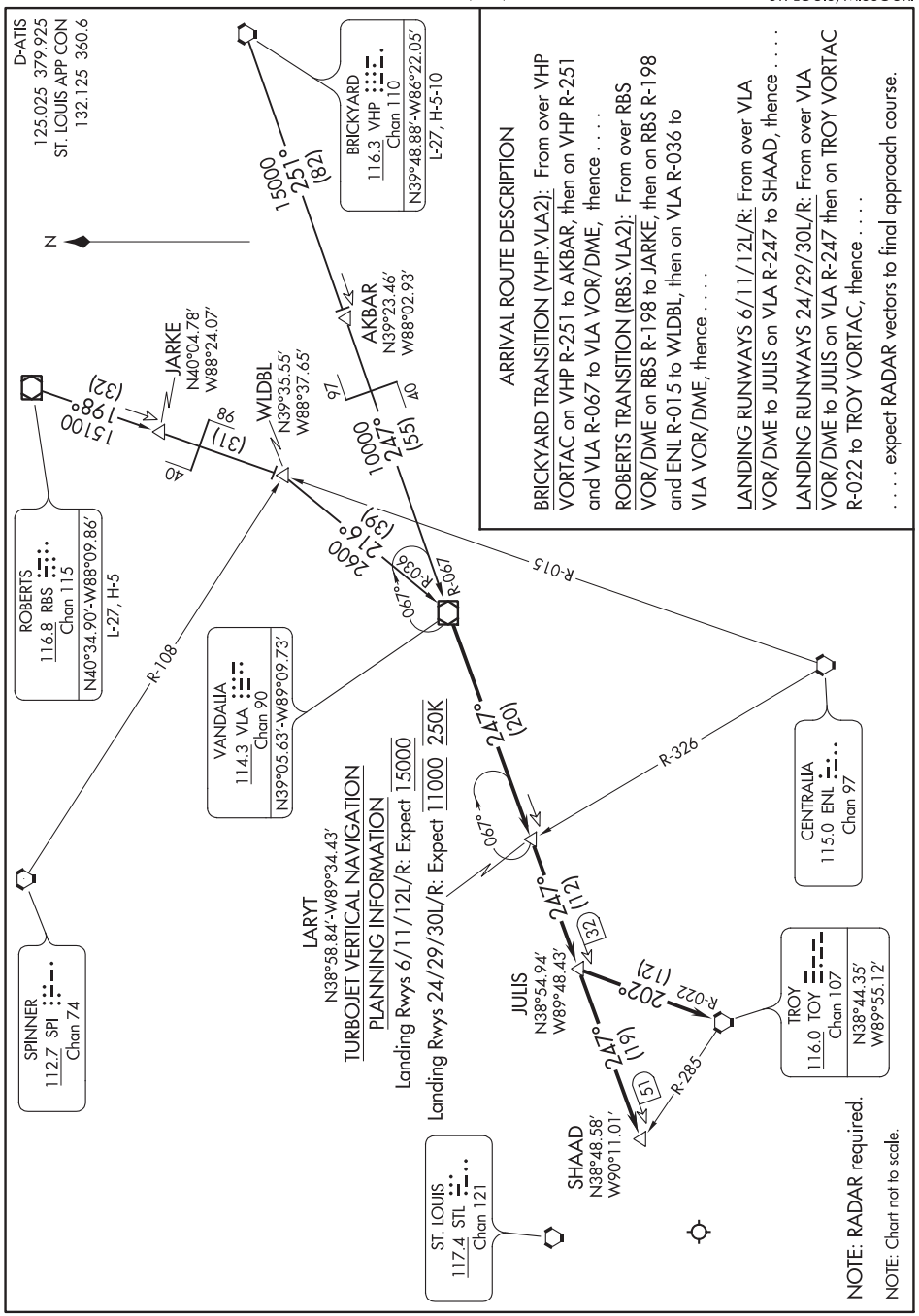
NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

(VLA.VLA2) 20198

VANDALIA TWO ARRIVAL

AL-360 (FAA)

ST LOUIS LAMBERT INTL (STL)
ST. LOUIS, MISSOURI



NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

VANDALIA TWO ARRIVAL

(VLA.VLA2) 16JUL20

ST. LOUIS, MISSOURI
ST LOUIS LAMBERT INTL (STL)

WAAS CH 50533 W13A	APP CRS 127°	Rwy ldg 3398 TDZE 964 Apt Elev 964

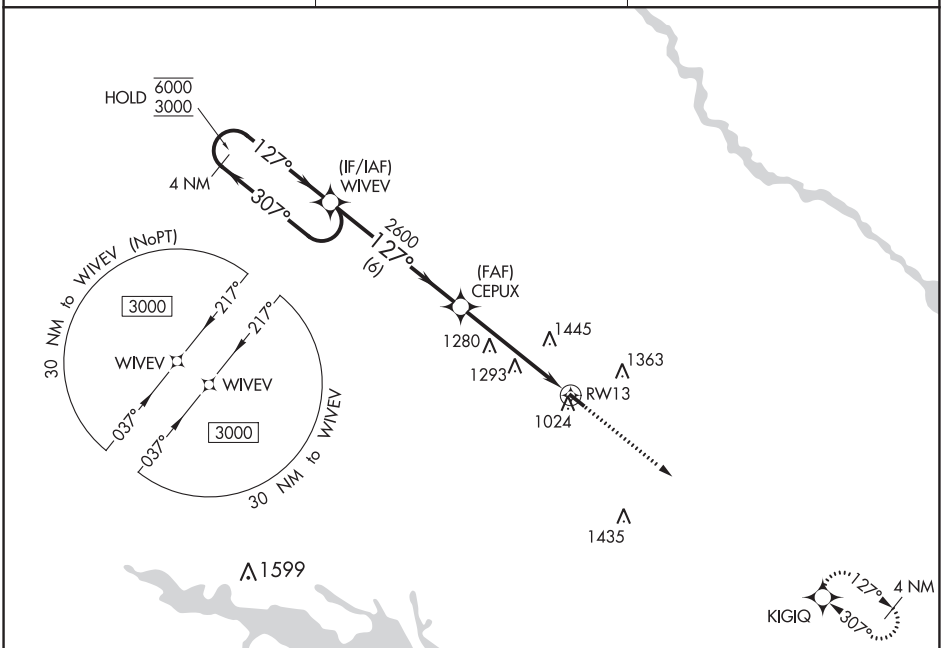
RNAV (GPS) RWY 13
ALBIA MUNI (4C8)

RNP APCH.

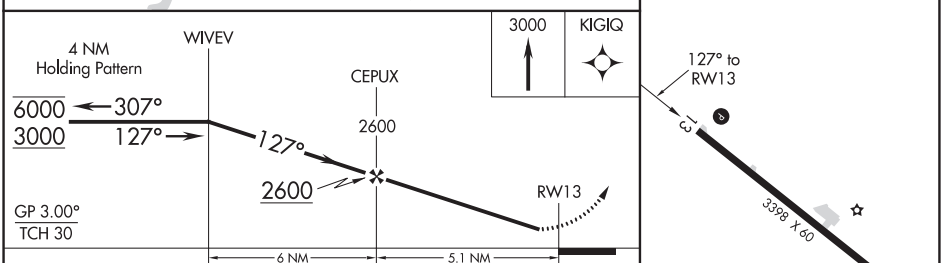
T Rwy 13 helicopter visibility reduction below ¾ SM NA. Baro-VNAV NA. Use
A NA Ottumwa altimeter setting, when not received use Centerville altimeter setting.

MISSED APPROACH: Climb to 3000 direct KIGIQ and hold.

OTM ASOS	CHICAGO CENTER	UNICOM
124.175	118.15 335.575	122.8 (CTAF) L



ELEV 964 TDZE 964



CATEGORY	A	B	C	D
LPV DA	1268-1 304 (400-1)		NA	
LNAV/VNAV DA	1291-1⅛ 327 (400-1⅛)		NA	
LNAV MDA	1600-1 636 (700-1)		NA	
C CIRCLING	1600-1 636 (700-1)	1760-1 796 (800-1)	NA	

MIRL Rwy 13-31
REIL Rwys 13 and 31 L

ALBIA, IOWA | AL-6545 (FAA) | 20198

RNAV (GPS) RWY 31
ALBIA MUNI (4C8)

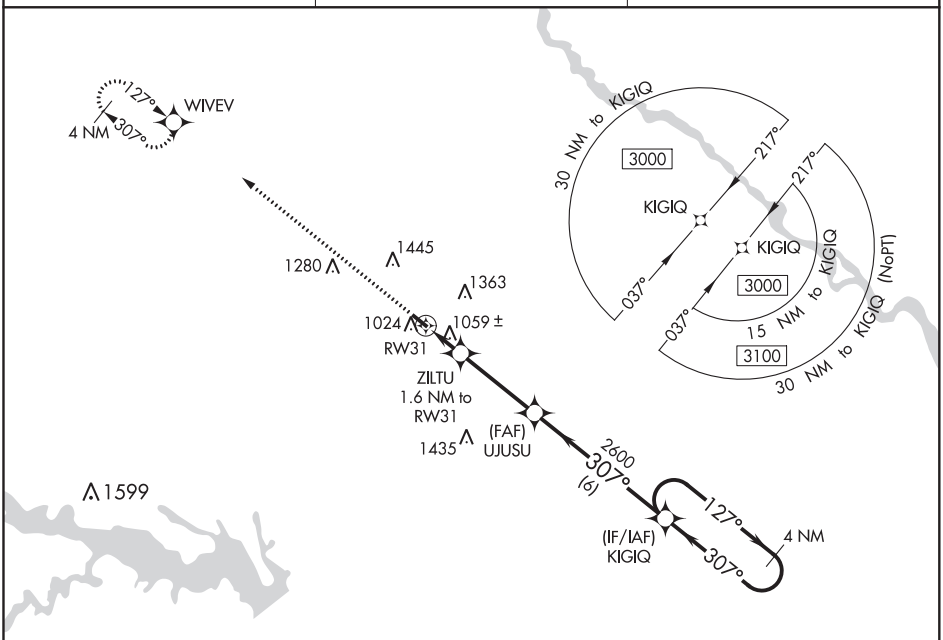
WAAS CH 66033 W31A	APP CRS 307°	Rwy ldg 3398 TDZE 964 Apt Elev 964

NA

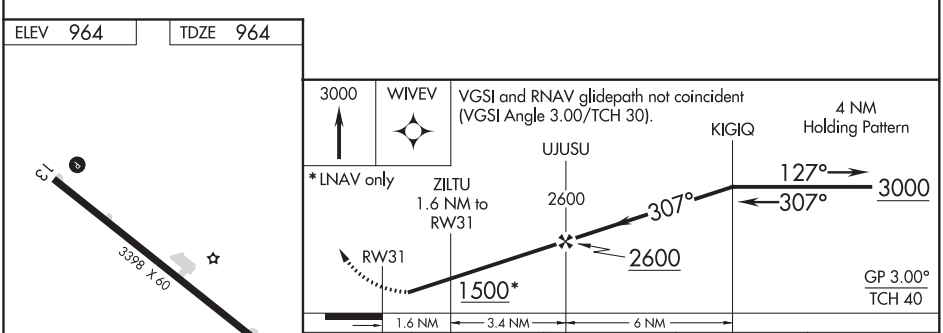
DME/DME RNP-0.3 NA. Use Ottumwa altimeter setting, when not received use Centerville altimeter setting. Helicopter visibility reduction below ¾ SM NA. Baro-VNAV NA.

MISSED APPROACH: Climb to 3000 direct WIVEV and hold.

OTM ASOS	CHICAGO CENTER	UNICOM
124.175	118.15 335.575	122.8 (CTAF) L



ELEV 964 | TDZE 964



CATEGORY		A	B	C	D
LPV	DA	1268-1 304 (400-1)		NA	
LNAV/VNAV	DA	1314-1⅛ 350 (400-1⅛)		NA	
LNAV	MDA	1380-1 416 (500-1)		NA	
C CIRCLING		1440-1 476 (500-1)	1760-1 796 (800-1)	NA	

MIRL Rwy 13-31
REIL Rwys 13 and 31 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

APP CRS	Rwy ldg	3960
129°	TDZE	1215
	Apt Elev	1216

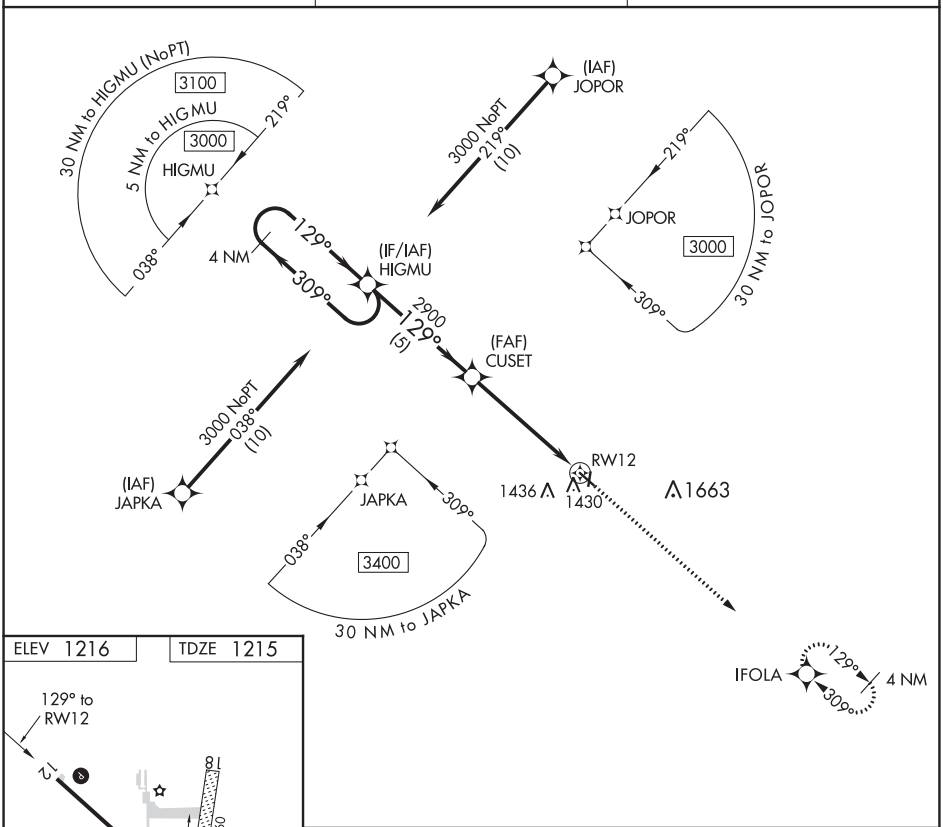
RNAV (GPS) RWY 12
ALGONA MUNI (AXA)

RNP APCH.

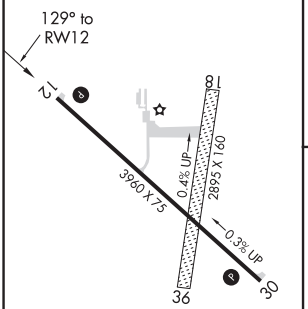
When local altimeter setting not received, use Forest City altimeter setting and increase all MDA 80 feet. Procedure NA at night. Rwy 12 helicopter visibility reduction below 1 SM NA.

MISSED APPROACH: Climb to 3000 direct IFOLA and hold.

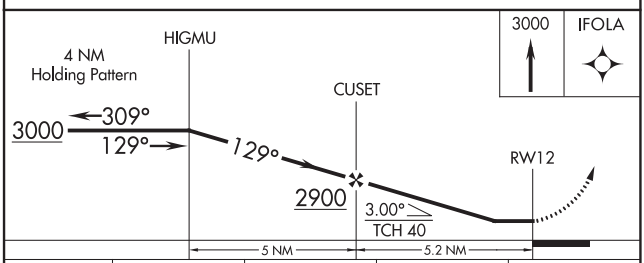
AWOS-3	MINNEAPOLIS CENTER	UNICOM
118.475	134.0 288.3	122.8 (CTAF) L



ELEV 1216 TDZE 1215



MIRL Rwy 12-30 L
REIL Rwys 12 and 30 L



CATEGORY	A	B	C	D
LNAV MDA	1680-1 465 (500-1)		NA	

NC-3, 25 FEB 2021 to 22 APR 2021

ALGONA, IOWA | AL-6144 (FAA) | 19311

APP CRS	Rwy ldg	3960
309°	TDZE	1213
	Apt Elev	1216

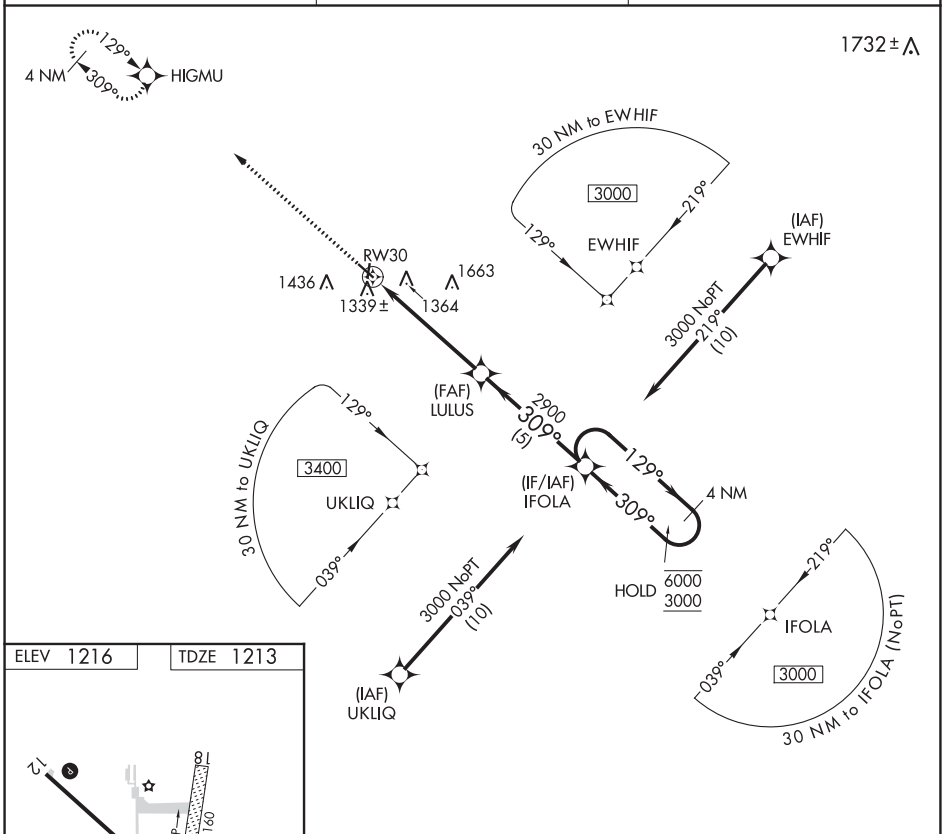
RNAV (GPS) RWY 30
ALGONA MUNI (AXA)

RNP APCH.

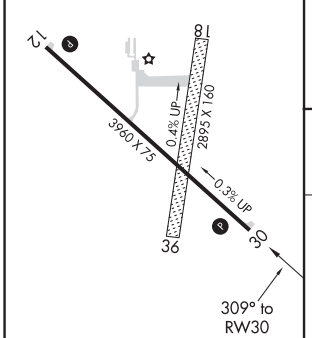
Rwy 30 helicopter visibility reduction below ¾ SM NA.

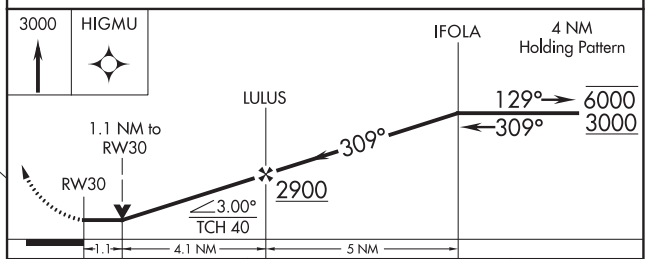
MISSED APPROACH: Climb to 3000 direct HIGMU and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
118.475	134.0 288.3	122.8 (CTAF) L



ELEV 1216 | TDZE 1213





CATEGORY	A	B	C	D
LNAV MDA	1600-1 387 (400-1)		NA	

MIRL Rwy 12-30 L
REIL Rwys 12 and 30 L

NC-3, 25 FEB 2021 to 22 APR 2021

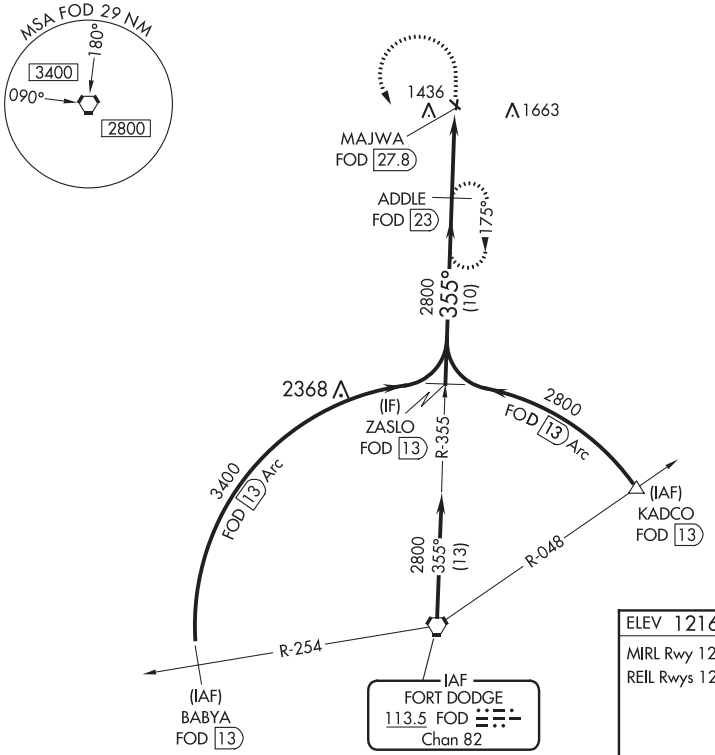
VORTAC FOD	APP CRS	Rwy ldg	N/A
113.5	355°	TDZE	N/A
Chan 82		Apt Elev	1216

VOR/DME-A
ALGONA MUNI (AXA)

When local altimeter setting not received, use Forest City altimeter setting and increase all MDA 80 feet. Circling to Rwy 12 NA at night. Circling NA to Rwys 18 and 36.

MISSED APPROACH: Climb to 2800 then left turn on FOD VORTAC R-355 to ADDLE/23 DME and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
118.475	134.0 288.3	122.8 (CTAF) L

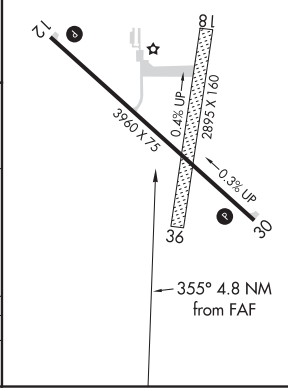


Procedure NA for arrivals on FOD VORTAC airway radial 003.

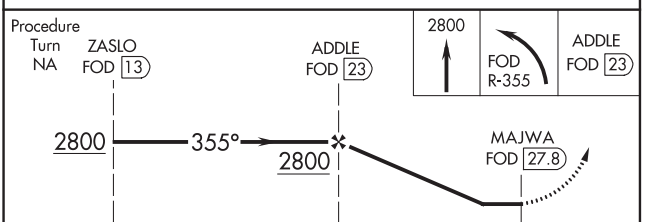
ELEV 1216

MIRL Rwy 12-30 L

REIL Rwys 12 and 30 L



Procedure Turn NA



CATEGORY	A	B	C	D
CIRCLING	1780-1 564 (600-1)	1800-1¼ 584 (600-1¼)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

LOC I-EEE	APP CRS	Rwy ldg	5701
110.7	014°	TDZE	956
		Apt Elev	956

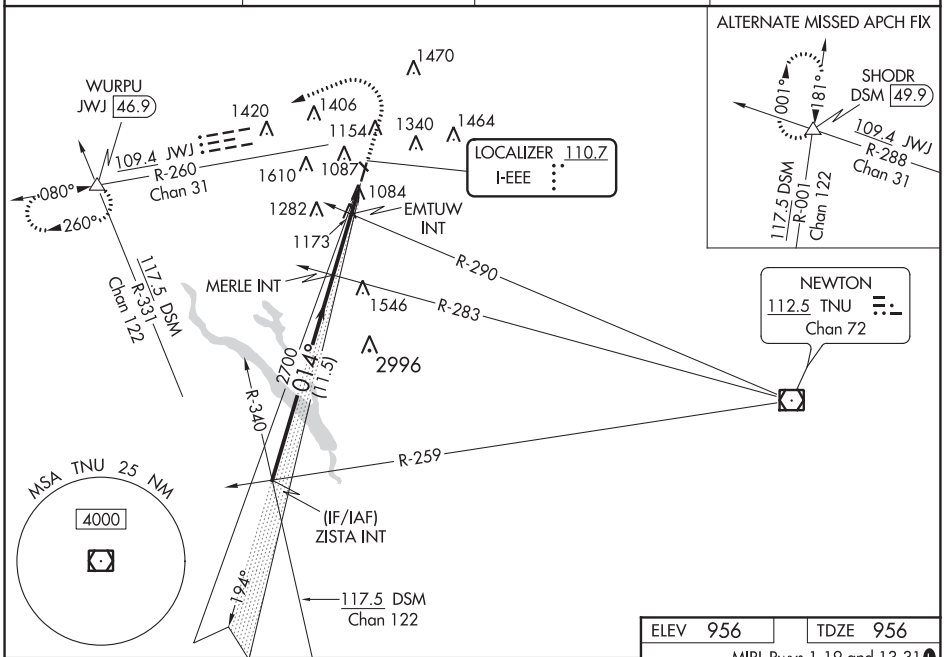
ILS or LOC RWY 1
AMES MUNI (AMW)

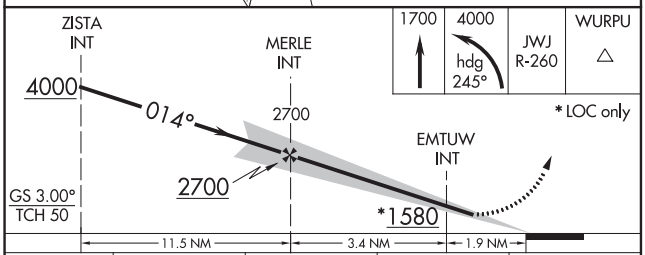
T
A
-27°C

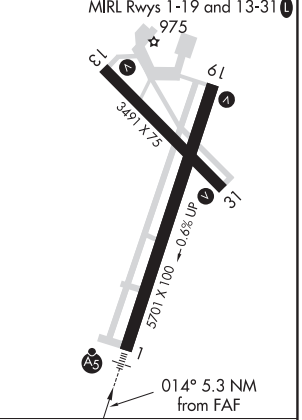
MALSR

MISSED APPROACH: Climb to 1700 then climbing left turn to 4000 on heading 245° and JWJ VOR/DME R-260 to WURPU INT/JWJ 46.9 DME and hold.

ASOS	DES MOINES APP CON	CLNC DEL	UNICOM
132.025	123.9 307.15	126.0 L	122.7 (CTAF)







CATEGORY	A	B	C	D
S-ILS 1	1206-½ 250 (300-½)			
S-LOC 1	1580-½ 624 (700-½)		1580-1⅜ 624 (700-1⅜)	
C CIRCLING	1580-1 624 (700-1)		1640-2 684 (700-2)	1960-3 1004 (1100-3)
EMTUW FIX MINIMUMS (DUAL VOR RECEIVERS REQUIRED)				
S-LOC 1	1440-½ 484 (500-½)		1440-1 484 (500-1)	
C CIRCLING	1440-1 484 (500-1)	1460-1 504 (600-1)	1640-2 684 (700-2)	1960-3 1004 (1100-3)

FAF to MAP 5.3 NM

Knots	60	90	120	150	180
Min:Sec	5:18	3:32	2:39	2:07	1:46

NC-3, 25 FEB 2021 to 22 APR 2021

RNAV (GPS) RWY 1
AMES MUNI (AMW)

WAAS CH 72717 W01A	APP CRS 014°	Rwy ldg 5701 TDZE 956 Apt Elev 956

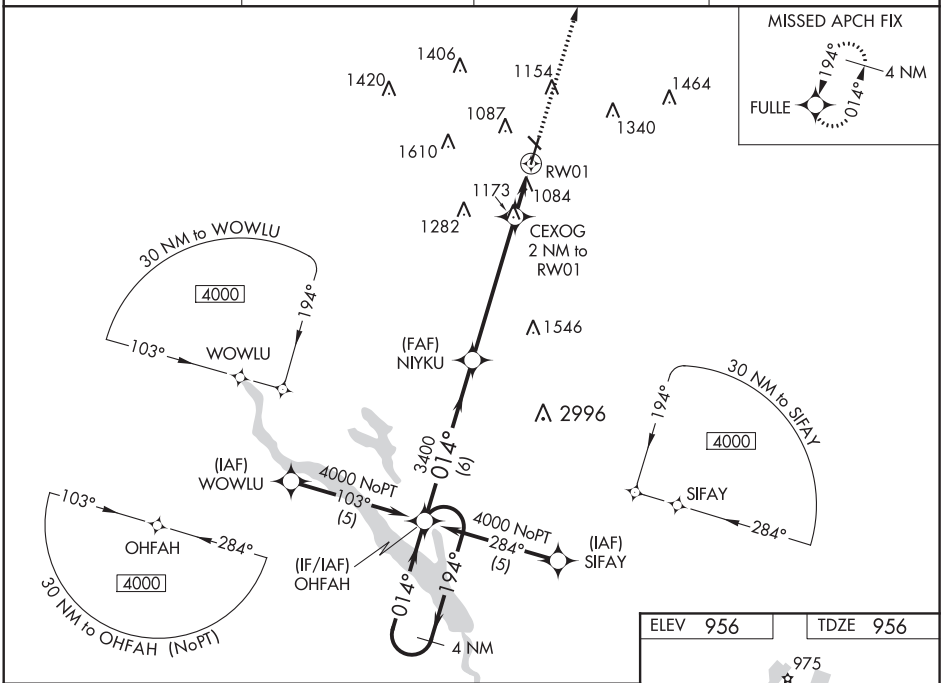
RNP APCH.

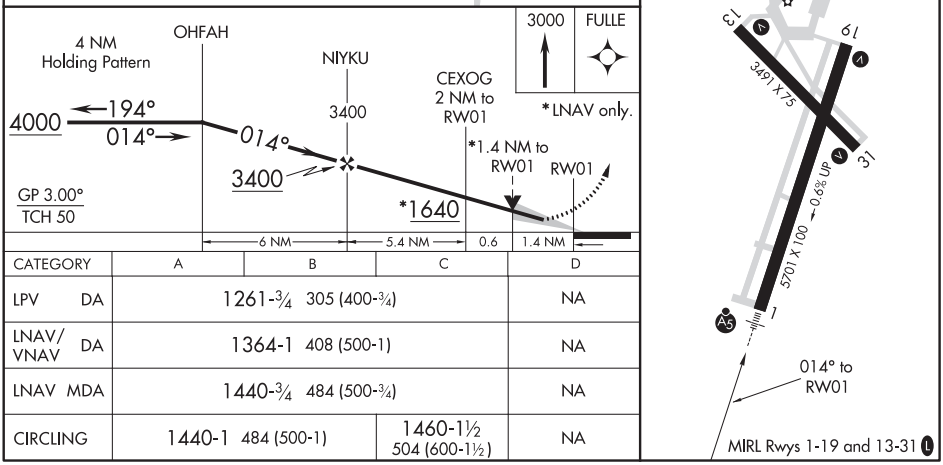
-27°C For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). For inop MALSR, increase LNAV Cats A, B visibility to 1 mile. Circling Rwy 31 NA at night.

MALSR

MISSED APPROACH: Climb to 3000 direct FULLE and hold.

ASOS	DES MOINES APP CON	CLNC DEL	UNICOM
132.025	123.9 307.15	126.0 L	122.7 (CTAF)





CATEGORY	A	B	C	D
LPV DA	1261-¾ 305 (400-¾)			NA
LNAV/VNAV DA	1364-1 408 (500-1)			NA
LNAV MDA	1440-¾ 484 (500-¾)			NA
CIRCLING	1440-1 484 (500-1)		1460-1½ 504 (600-1½)	NA

NC-3, 25 FEB 2021 to 22 APR 2021

AMES, IOWA | AL-5307 (FAA) | 20310

RNAV (GPS) RWY 13
AMES MUNI (AMW)

WAAS CH 63117 W13A	APP CRS 133°	Rwy ldg 3491 TDZE 930 Apt Elev 956

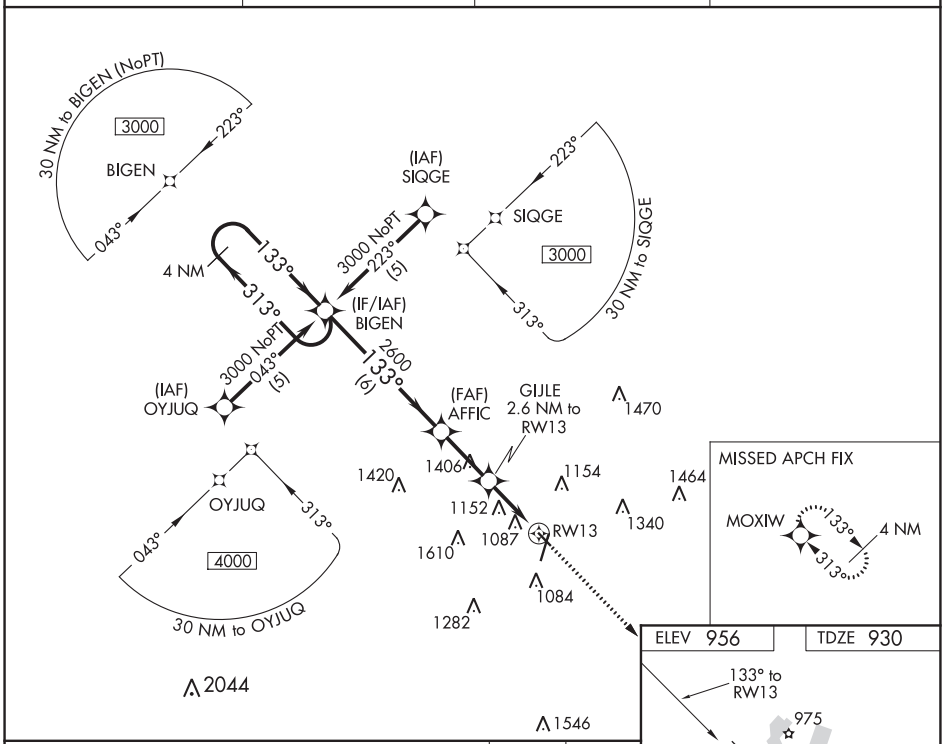
RNP APCH.

-27°C

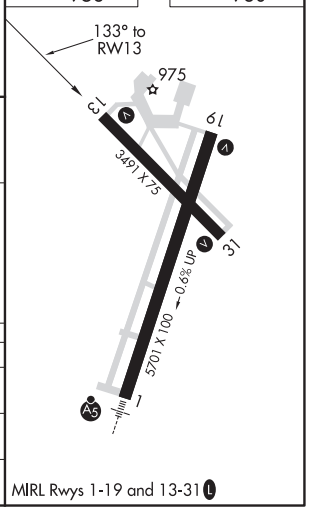
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C or above 54°C.
Rwy 13 helicopter visibility reduction below ¾ SM NA.

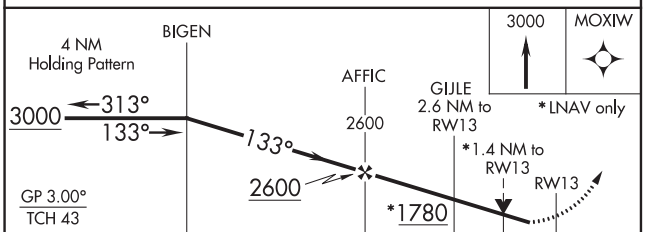
MISSED APPROACH: Climb to 3000 direct MOXIW and hold.

ASOS	DES MOINES APP CON	CLNC DEL	UNICOM
132.025	123.9 307.15	126.0 L	122.7 (CTAF) A5 V



ELEV 956 | TDZE 930





CATEGORY	A	B	C	D
LPV DA	1224-1 294 (300-1)			NA
LNAV/VNAV DA	1478-2 548 (600-2)			NA
LNAV MDA	1420-1 490 (500-1)		1420-1¼ 490 (500-1¼)	NA

AMES, IOWA
Amdt 1B 18JUL19

42°00'N-93°37'W

AMES MUNI (AMW)
RNAV (GPS) RWY 13

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 61217 W19A	APP CRS 194°	Rwy ldg 5701 TDZE 937 Apt Elev 956

RNAV (GPS) RWY 19
AMES MUNI (AMW)

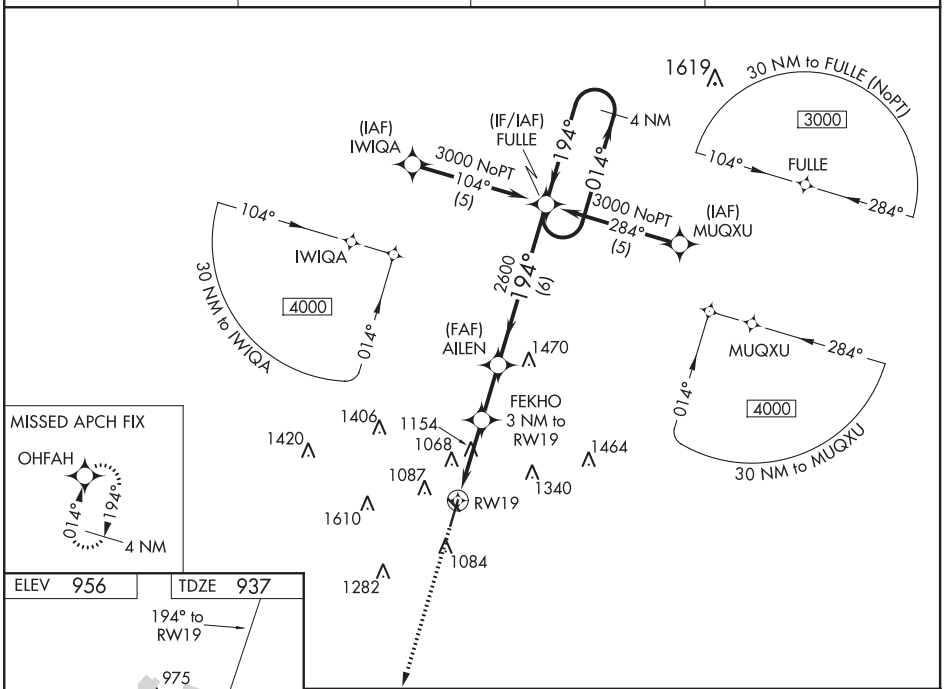
RNP APCH.

-27°C

Baro-VNAV and VDP NA when using Ankeny altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C or above 54°C. Rwy 19 helicopter visibility reduction below ¾ SM NA. When local altimeter setting not received, use Ankeny altimeter setting and increase all DA 49 feet and LNAV/VNAV all Cats visibility ¼ mile, increase all MDA 60 feet and LNAV Cat C visibility ¼ mile.

MISSED APPROACH: Climb to 4000 direct OHFAH and hold.

ASOS	DES MOINES APP CON	CLNC DEL	UNICOM
132.025	123.9 307.15	126.0 L	122.7 (CTAF) A5 V



CATEGORY		A	B	C	D
LPV	DA	1187-1 250 (300-1)			NA
LNAV/VNAV	DA	1352-1½ 415 (400-1½)			NA
LNAV	MDA	1420-1 483 (500-1)		1420-1⅜ 483 (500-1⅜)	NA

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

AMES, IOWA | AL-5307 (FAA) | 20310

RNAV (GPS) RWY 31
AMES MUNI (AMW)

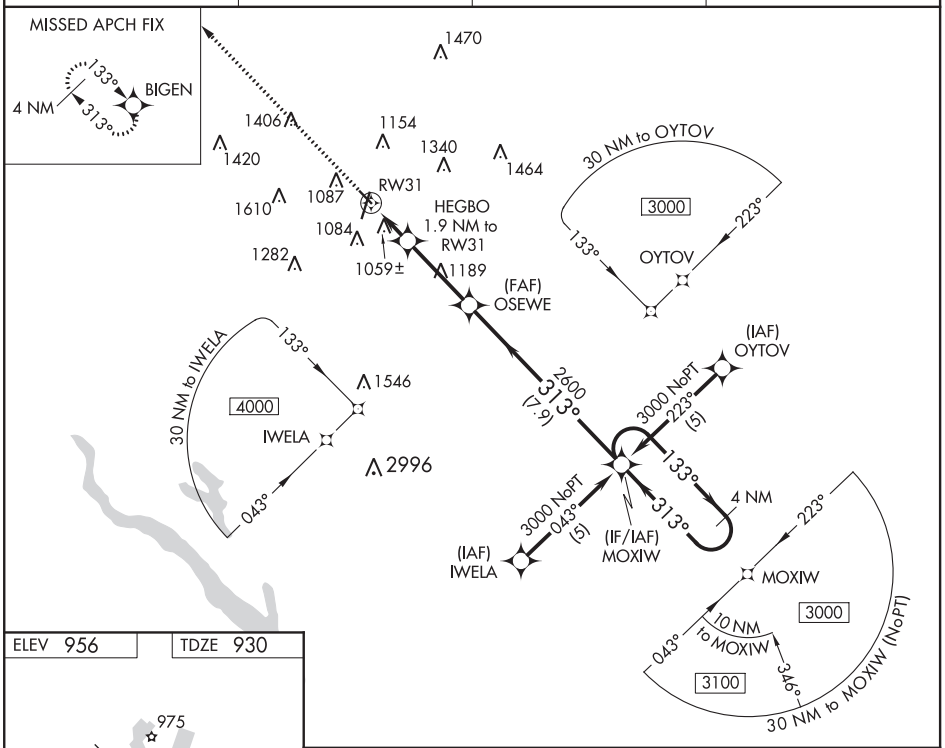
WAAS CH 90517 W31A	APP CRS 313°	Rwy ldg 3491 TDZE 930 Apt Elev 956

RNP APCH.

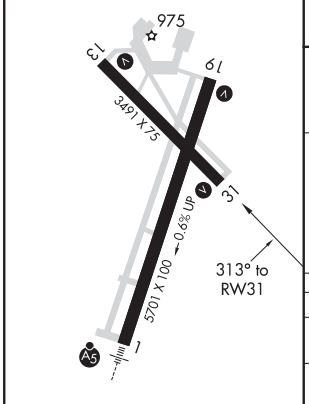
-27°C For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C or above 54°C. Rwy 31 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 3000 direct BIGEN and hold.

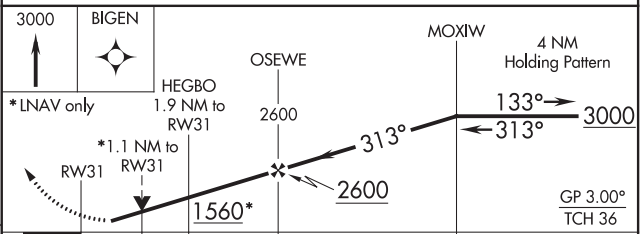
ASOS	DES MOINES APP CON	CLNC DEL	UNICOM
132.025	123.9 307.15	126.0 (L)	122.7 (CTAF)



ELEV 956 | TDZE 930



MIRL Rwys 1-19 and 13-31 (L)



CATEGORY		A	B	C	D
LPV	DA	1205-1 275 (300-1)			NA
LNAV/VNAV	DA	1436-1¾ 506 (500-1¾)			NA
LNAV	MDA	1320-1 390 (400-1)			NA

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

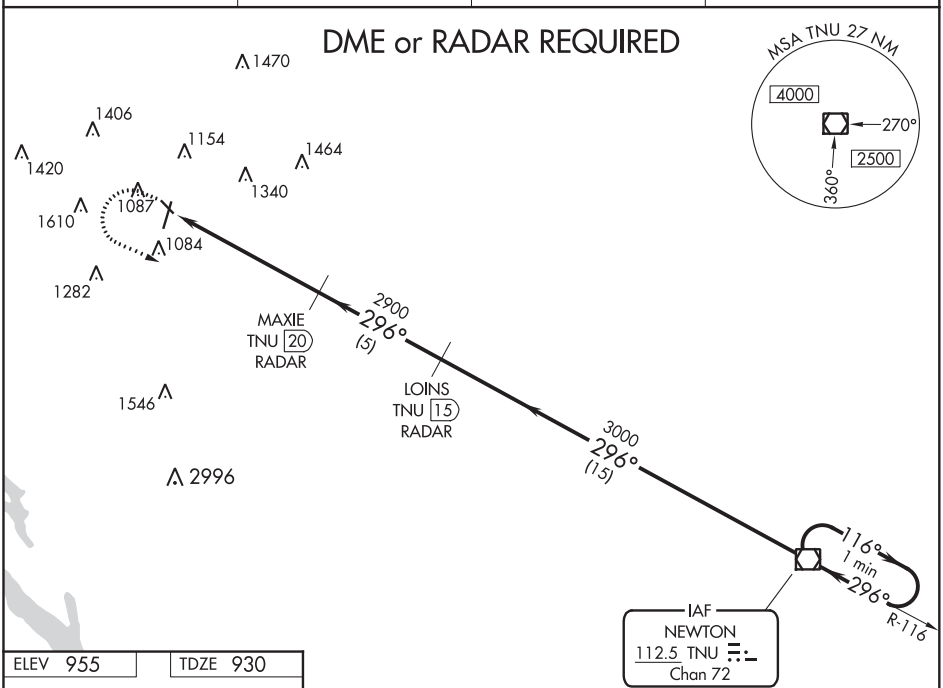
VOR RWY 31
AMES MUNI (AMW)

VOR/DME TNU 112.5 Chan 72	APP CRS 296°	Rwy ldg 3491 TDZE 930 Apt Elev 955

Rwy 31 helicopter visibility reduction below 1 SM NA. Straight-in and Circling Rwy 31 NA at night. -27°C

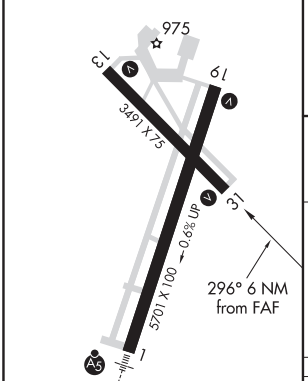
MISSED APPROACH: Climb to 2000, then climbing left turn to 3000 direct TNU VOR/DME and hold.

ASOS	DES MOINES APP CON	CLNC DEL	UNICOM
132.025	123.9 307.15	126.0 L	122.7 (CTAF) A5 V



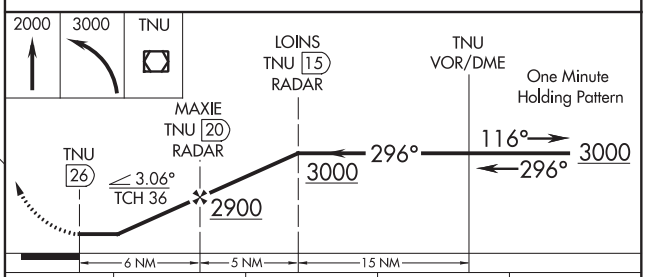
NoPT for arrivals on TNU VOR/DME airway radials 031 CW 081.

ELEV 955 TDZE 930



MIRL Rwys 1-19 and 13-31 L

FAF to MAP 6 NM					
Knots	60	90	120	150	180
Min:Sec	6:00	4:00	3:00	2:24	2:00



CATEGORY	A	B	C	D
S-31	1580-1 650 (700-1)		1580-1⅞ 650 (700-1⅞)	NA
CIRCLING	1580-1 625 (700-1)		1580-1⅞ 625 (700-1⅞)	NA

NC-3, 25 FEB 2021 to 22 APR 2021

ANKENY, IOWA | AL-9156 (FAA) | 20310

ILS or LOC RWY 36
ANKENY RGNL (IKV)

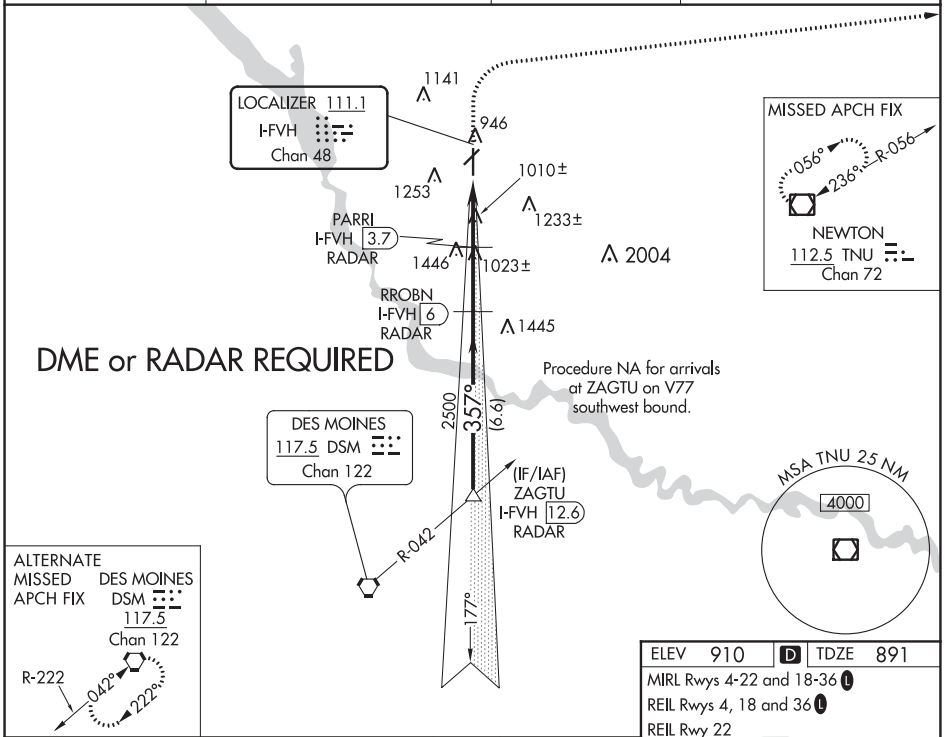
LOC/DME I-FVH	APP CRS	Rwy ldg	5500
111.1	357°	TDZE	891
Chan 48		Apt Elev	910

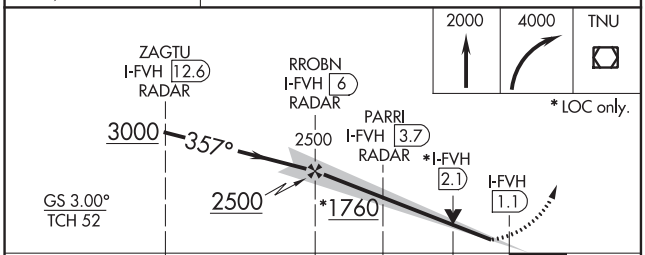
T
A NA

Circling Rwy 22 NA at night.
DME or RADAR required.

MISSED APPROACH: Climb to 2000 then climbing right turn to 4000 direct TNU VOR/DME and hold.

AWOS-3	DES MOINES APP CON	CLNC DEL	(CTAF)
119.175	123.9 307.15	126.65	122.9 L

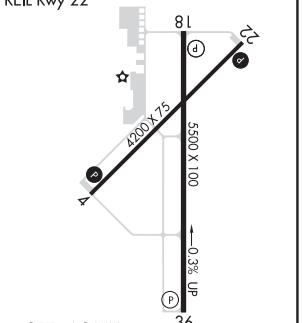




CATEGORY	A	B	C	D
S-ILS 36	1091-¾ 200 (200-¾)			
S-LOC 36	1260-1 369 (400-1)			
C CIRCLING	1560-1 650 (700-1)		1560-1¾ 650 (700-1¾)	1760-2¾ 850 (900-2¾)

ELEV 910 | D | TDZE 891

MIRL Rwys 4-22 and 18-36 L
REIL Rwys 4, 18 and 36 L
REIL Rwy 22



FAF to MAP 4.9 NM					
Knots	60	90	120	150	180
Min:Sec	4:54	3:16	2:27	1:58	1:38

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

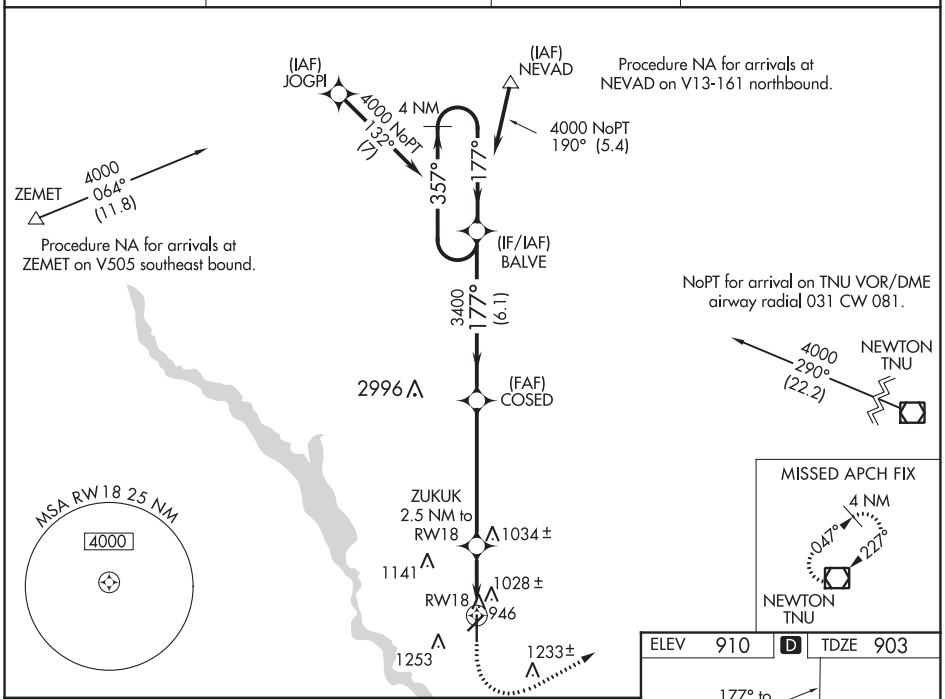
RNAV (GPS) RWY 18
ANKENY RGNL (IKV)

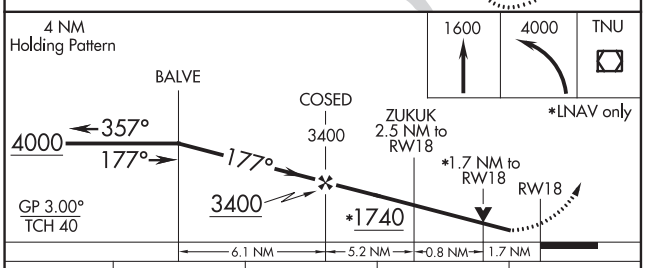
WAAS CH 82720 W18A	APP CRS 177°	Rwy ldg 5500 TDZE 903 Apt Elev 910

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -21° C (-5°F) or above 54°C (130°F). Circling Rwy 22 NA at night. Rwy 18 helicopter visibility reduction below ¾ SM NA. DME/DME RNP-0.3 NA.

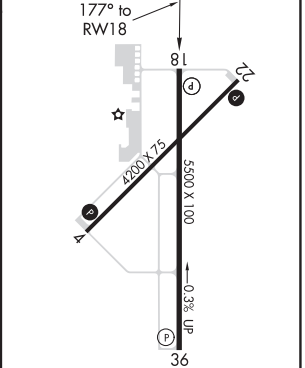
MISSED APPROACH: Climb to 1600 then climbing left turn to 4000 direct TNU VOR/DME and hold.

AWOS-3	DES MOINES APP CON	CLNC DEL	(CTAF)
119.175	123.9 307.15	126.65	122.9 L





CATEGORY	A	B	C	D
LPV DA	1153-⅞ 250 (300-⅞)			
LNAV/VNAV DA	1354-1½ 451 (500-1½)			
LNAV MDA	1480-1 577 (600-1)		1480-1⅝ 577 (600-1⅝)	
C CIRCLING	1560-1 650 (700-1)		1560-1¾ 650 (700-1¾)	1760-2¾ 850 (900-2¾)



MIRL Rwys 4-22 and 18-36 L
REIL Rwys 4, 18 and 36 L
REIL Rwy 22

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

ANKENY, IOWA | AL-9156 (FAA) | 20310

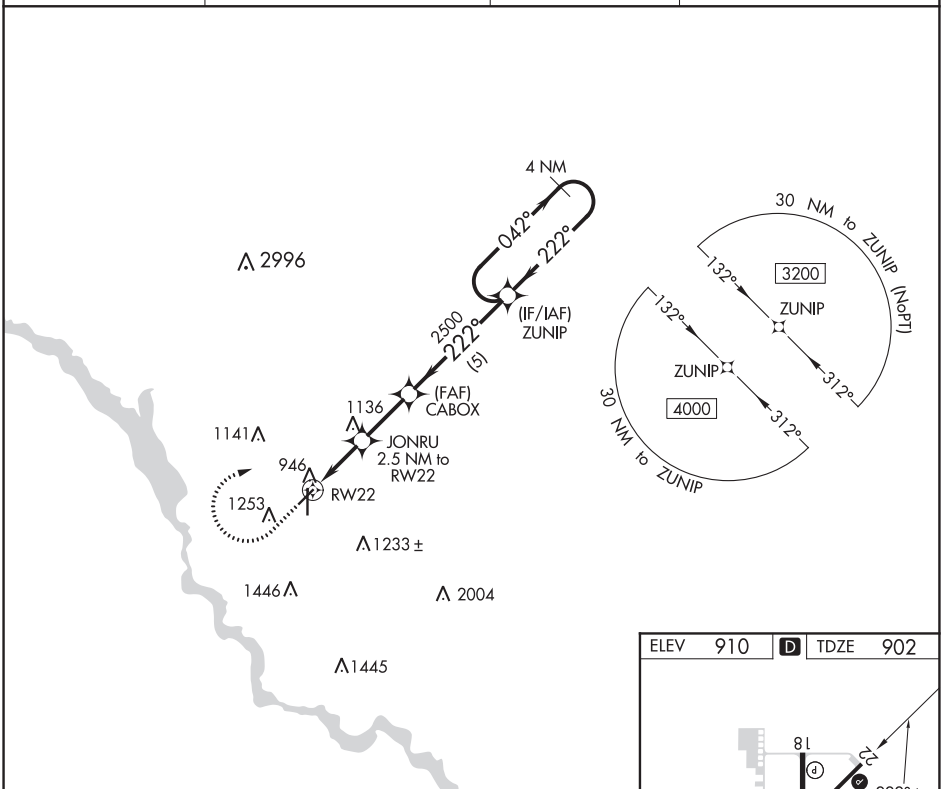
RNAV (GPS) RWY 22
ANKENY RGNL (IKV)

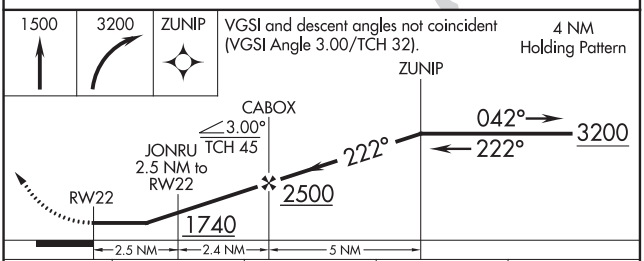
APP CRS	Rwy ldg	4200
222°	TDZE	902
	Apt Elev	910

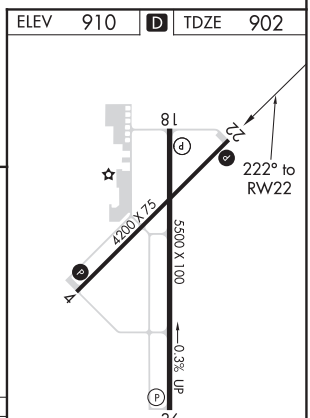
Rwy 22 helicopter visibility reduction below 1 SM NA.
DME/DME RNP-0.3 NA. Straight-in Rwy 22 NA at night.

MISSED APPROACH: (Do not exceed 240 KIAS until ZUNIP). Climb to 1500 then climbing right turn to 3200 direct ZUNIP and hold.

AWOS-3	DES MOINES APP CON	CLNC DEL	(CTAF)
119.175	123.9 307.15	126.65	122.9 L







CATEGORY	A	B	C	D
LNAV MDA	1360-1 458 (500-1)		1360-1⅜ 458 (500-1⅜)	
C CIRCLING	1560-1 650 (700-1)		1560-1¾ 650 (700-1¾)	1760-2¾ 850 (900-2¾)

MIRL Rwys 4-22 and 18-36 L
REIL Rwys 4, 18 and 36 L
REIL Rwy 22

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

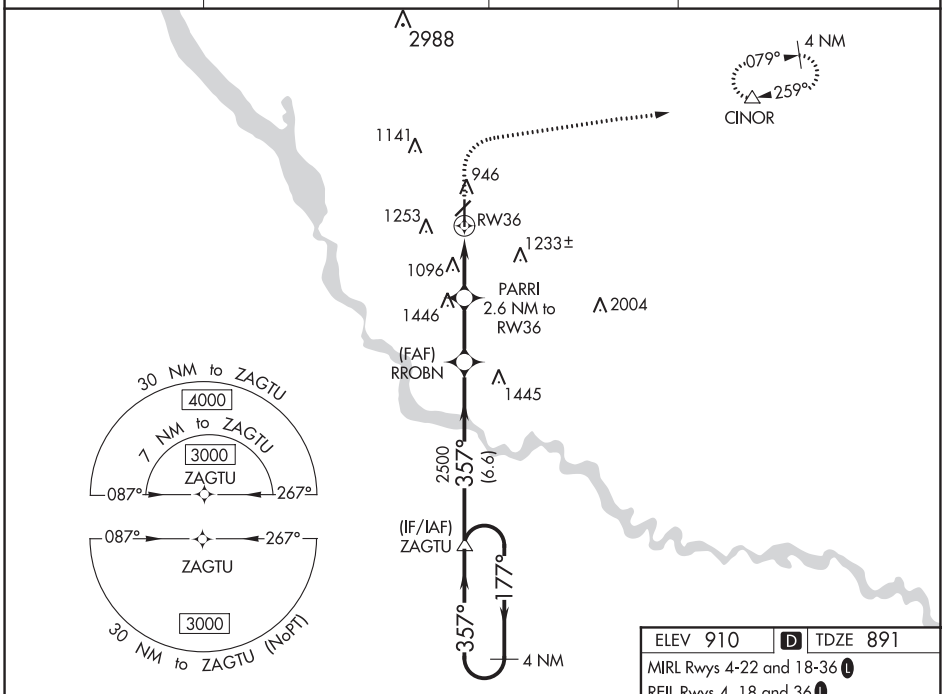
RNAV (GPS) RWY 36
ANKENY RGNL (IKV)

WAAS CH 70512 W36A	APP CRS 357°	Rwy ldg 5500 TDZE 891 Apt Elev 910

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -20°C (-4°F) or above 54°C (130°F). Circling Rwy 22 NA at night. DME/DME RNP-0.3 NA.

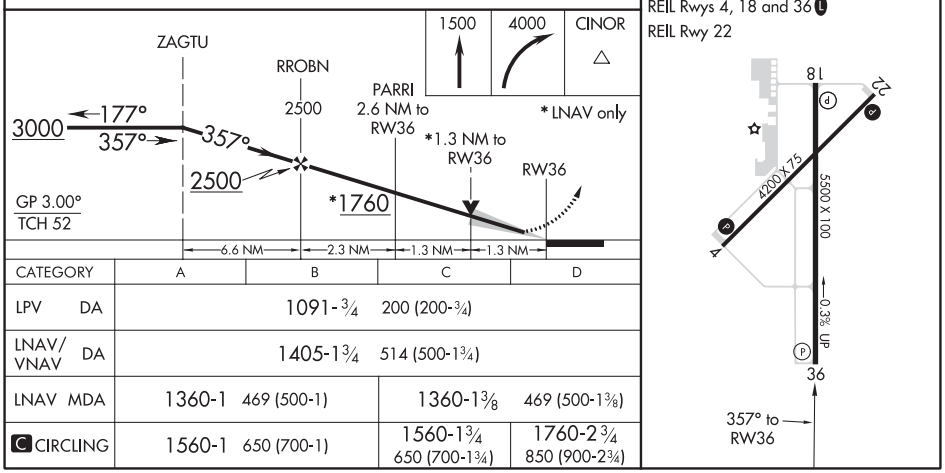
MISSED APPROACH: Climb to 1500 then climbing right turn to 4000 direct CINOR and hold, continue climb-in-hold to 4000.

AWOS-3	DES MOINES APP CON	CLNC DEL	(CTAF)
119.175	123.9 307.15	126.65	122.9 L



ELEV 910	D	TDZE 891

MIRL Rwys 4-22 and 18-36 L
REIL Rwys 4, 18 and 36 L
REIL Rwy 22



CATEGORY	A	B	C	D
LPV DA	1091-¾ 200 (200-¾)			
LNAV/VNAV DA	1405-1¾ 514 (500-1¾)			
LNAV MDA	1360-1 469 (500-1)		1360-1⅜ 469 (500-1⅜)	
C CIRCLING	1560-1 650 (700-1)		1560-1¾ 650 (700-1¾)	1760-2¾ 850 (900-2¾)

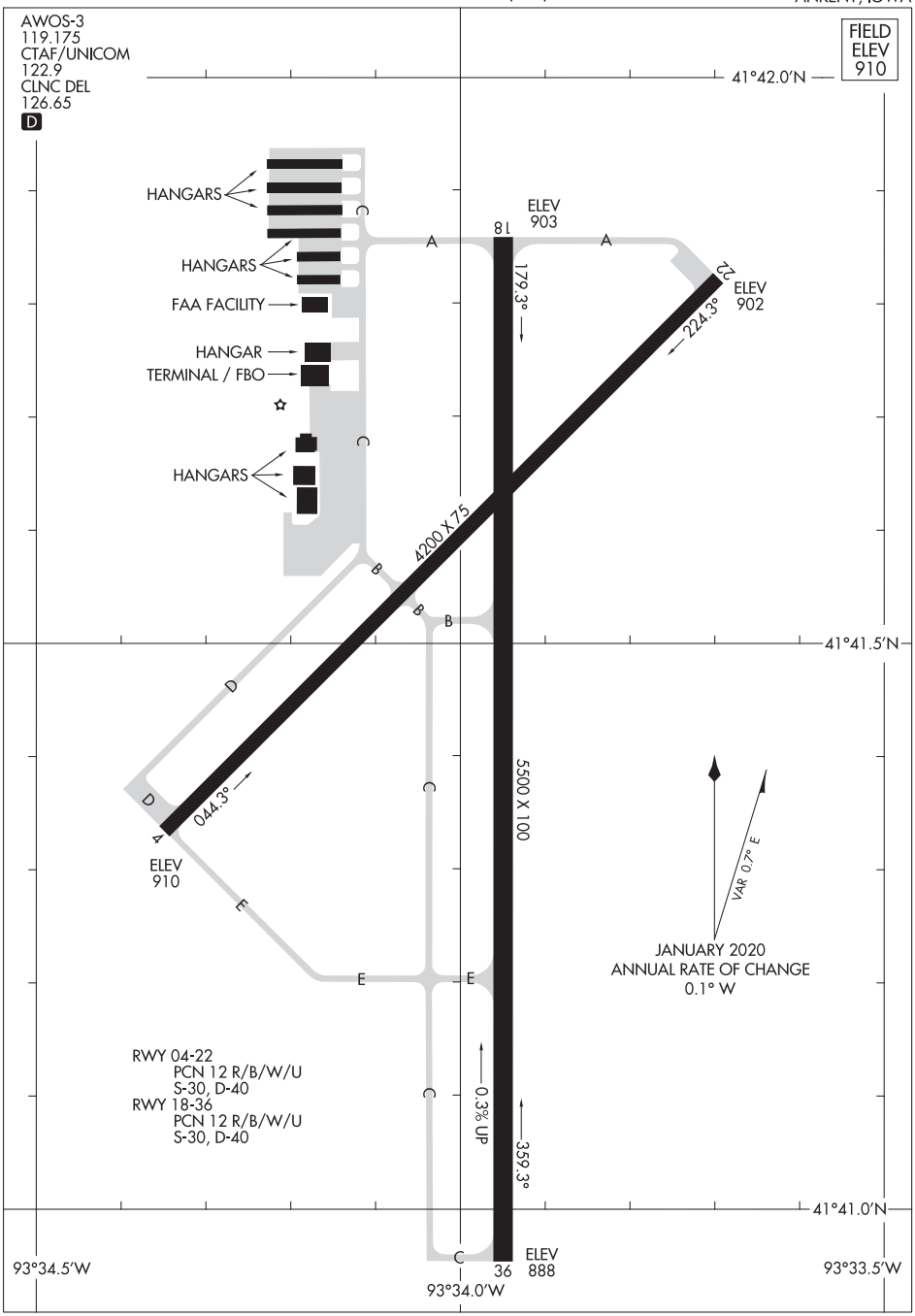
NC-3, 25 FEB 2021 to 22 APR 2021

20086

AIRPORT DIAGRAM

ANKENY RGNL (IKV)
ANKENY, IOWA

AL-9156 (FAA)



NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

AIRPORT DIAGRAM
20086
ANKENY, IOWA
ANKENY RGNL (IKV)

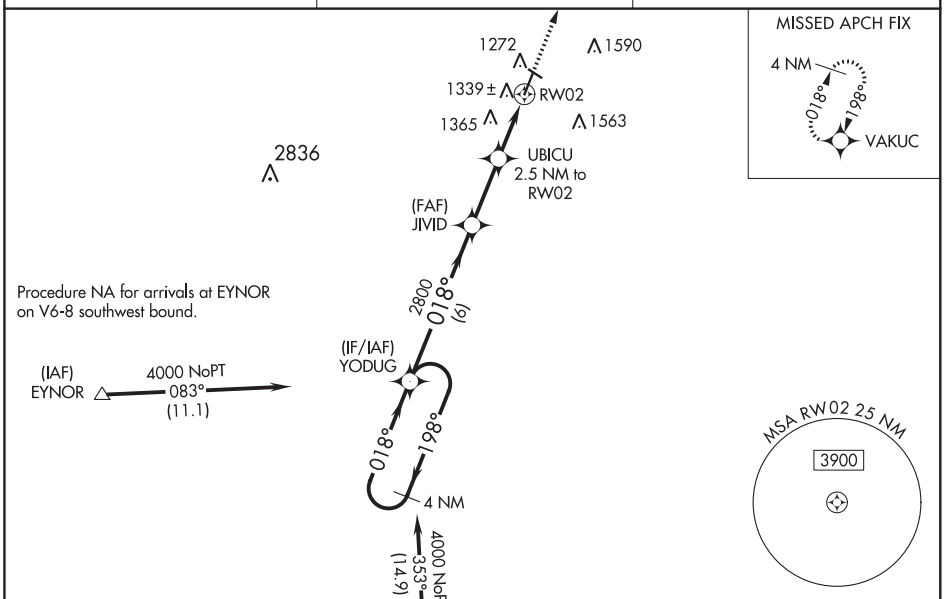
WAAS CH 72828 W02A	APP CRS 018°	Rwy ldg 5000 TDZE 1151 Apt Elev 1165

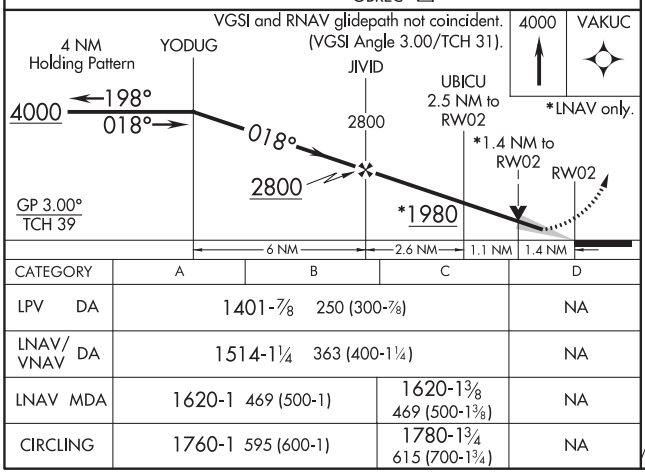
RNAV (GPS) RWY 2
ATLANTIC MUNI (AIO)

DME/DME RNP -0.3 NA. Baro-VNAV and VDP NA when using Harlan altimeter setting.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). When local altimeter setting not received, use Harlan altimeter setting: increase LPV DA to 1450 feet, LNAV/VNAV DA to 1563 feet, and all MDA 60 feet; increase LPV all Cats visibility ⅛ SM, LNAV/VNAV all Cats visibility ⅛ SM, LNAV Cat C visibility ⅛ SM, and increase circling Cat C visibility ¼ SM. Circling Rwy 12, 30 NA at night.

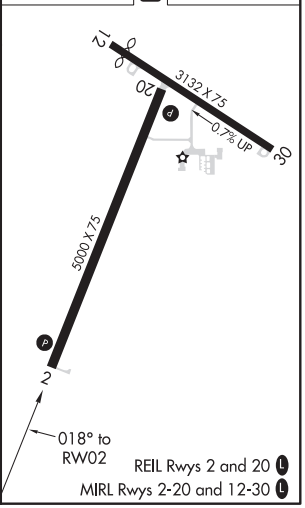
MISSED APPROACH: Climb to 4000 direct VAKUC and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
127.825	119.6 290.4	122.7 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1401-⅞ 250 (300-⅞)			NA
LNAV/VNAV DA	1514-1¼ 363 (400-1¼)			NA
LNAV MDA	1620-1 469 (500-1)		1620-1⅜ 469 (500-1⅜)	NA
CIRCLING	1760-1 595 (600-1)		1780-1¾ 615 (700-1¾)	NA



NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

ATLANTIC, IOWA | AL-5314 (FAA) | 19171

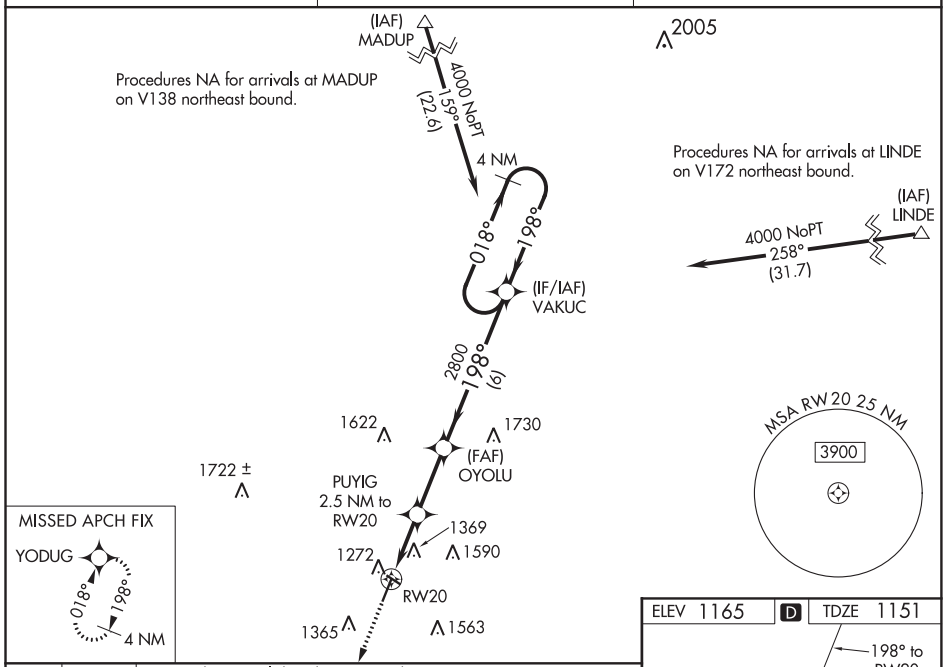
RNAV (GPS) RWY 20
ATLANTIC MUNI (AIO)

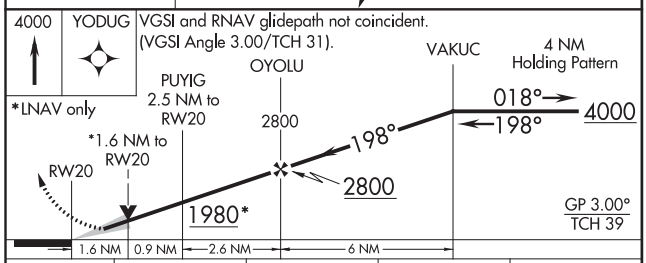
WAAS CH 82528 W20A	APP CRS 198°	Rwy ldg 5000 TDZE 1151 Apt Elev 1165

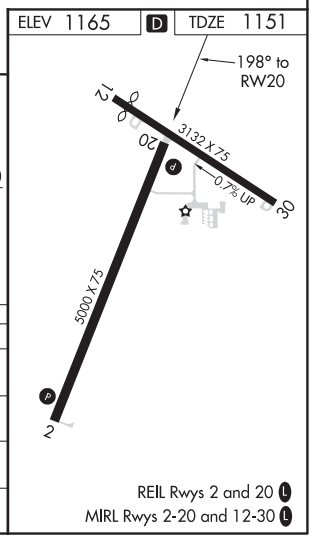
DME/DME RNP -0.3 NA. Baro-VNAV and VDP NA when using Harlan altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). When local altimeter setting not received, use Harlan altimeter setting: increase LPV DA to 1496 feet, LNAV/VNAV DA to 1780 feet, and all MDA 60 feet; increase LPV all Cats visibility ⅛ SM, LNAV/VNAV all Cats visibility ½ SM, LNAV Cat C visibility ¼ SM, and increase circling Cat C visibility ¼ SM. Circling Rwy 12, 30 NA at night.

MISSED APPROACH: Climb to 4000 direct YODUG and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
127.825	119.6 290.4	122.7 (CTAF) L







CATEGORY	A	B	C	D
LPV DA	1447-1 296 (300-1)			NA
LNAV/VNAV DA	1733-2 582 (600-2)			NA
LNAV MDA	1680-1 529 (600-1)		1680-1½ 529 (600-1½)	NA
CIRCLING	1760-1 595 (600-1)		1780-1¾ 615 (700-1¾)	NA

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

APP CRS	Rwy ldg	3641
323°	TDZE	1286
	Apt Elev	1288

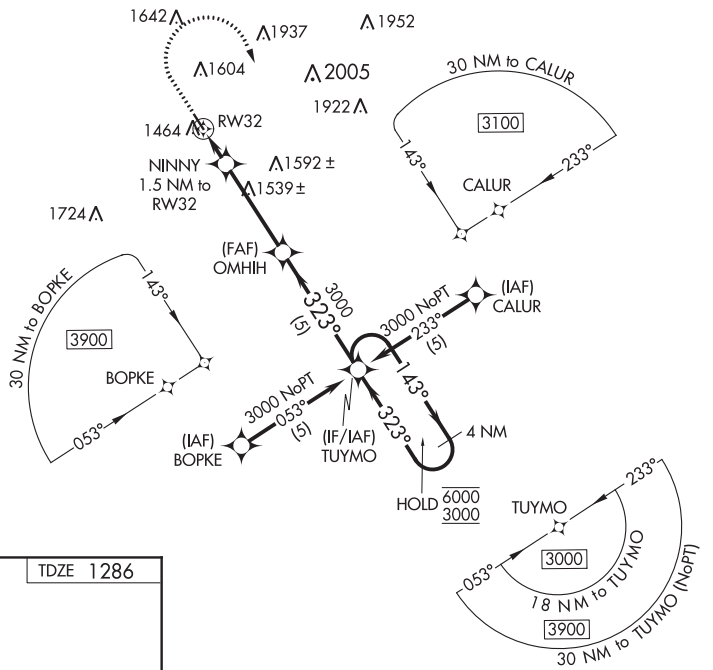
RNAV (GPS) RWY 32
AUDUBON COUNTY (ADU)

RNP APCH.

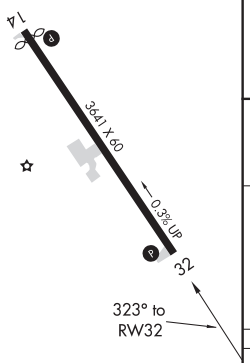
Circling Rwy 14 NA at night.
Rwy 32 helicopter visibility reduction below ¾ SM NA.
When local altimeter setting not received, procedure NA.

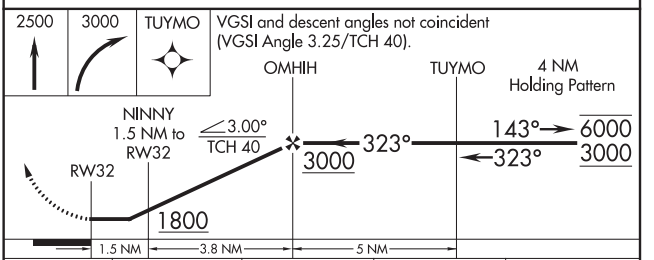
MISSED APPROACH: Climb to 2500 then climbing right turn to 3000 direct TUYMO and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
118.075	119.6 290.4	122.8 (CTAF) L



ELEV 1288 TDZE 1286





CATEGORY	A	B	C	D
LNAV MDA	1760-1 474 (500-1)		NA	
CIRCLING	1900-1 612 (700-1)	1920-1 632 (700-1)	NA	

MIRL Rwy 14-32 L
REIL Rwys 14 and 32 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

AURORA, MISSOURI | AL-6770 (FAA) | 19171

WAAS CH 58025 W18A	APP CRS 178°	Rwy ldg 3001 TDZE 1434 Apt Elev 1434

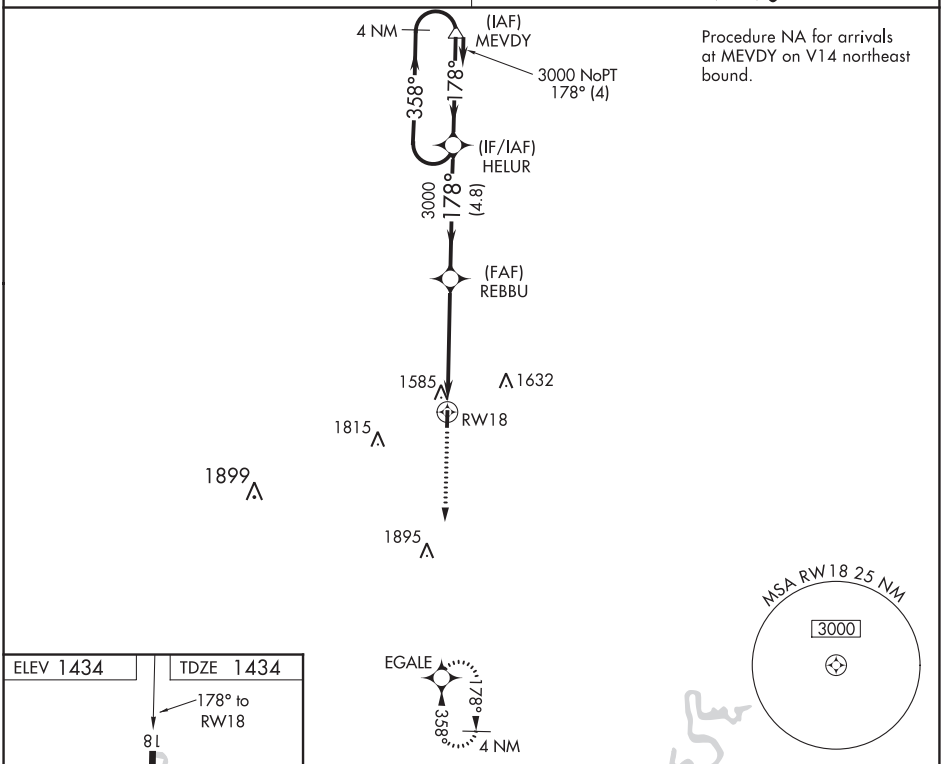
RNAV (GPS) RWY 18
JERRY SUMNERS SR AURORA MUNI (2H2)

RNP APCH.

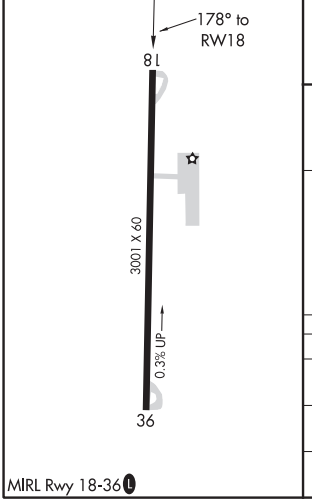
NA — Use Springfield altimeter setting; when not received, use Branson altimeter setting and increase all MDA 40 feet. Circling Rwy 36 NA at night. Rwy 18 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 3100 direct EGALE and hold.

SPRINGFIELD APP CON	UNICOM
124.95 318.2	122.8 (CTAF) L



ELEV 1434 | TDZE 1434



MIRL Rwy 18-36 L

CATEGORY	A	B	C	D
LP MDA	1940-1 506 (600-1)		NA	
LNAV MDA	1940-1 506 (600-1)		NA	
CIRCLING	1980-1 546 (600-1)		NA	

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 93726 W36A	APP CRS 358°	Rwy ldg 3001 TDZE 1434 Apt Elev 1434

RNAV (GPS) RWY 36
JERRY SUMNERS SR AURORA MUNI (2H2)

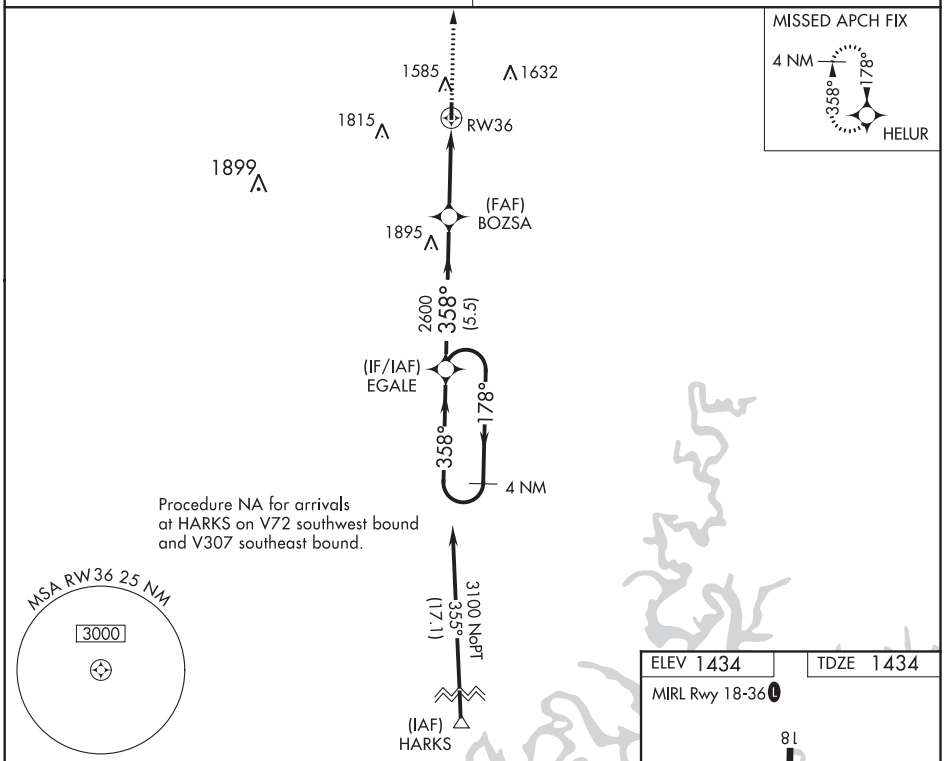
RNP APCH.

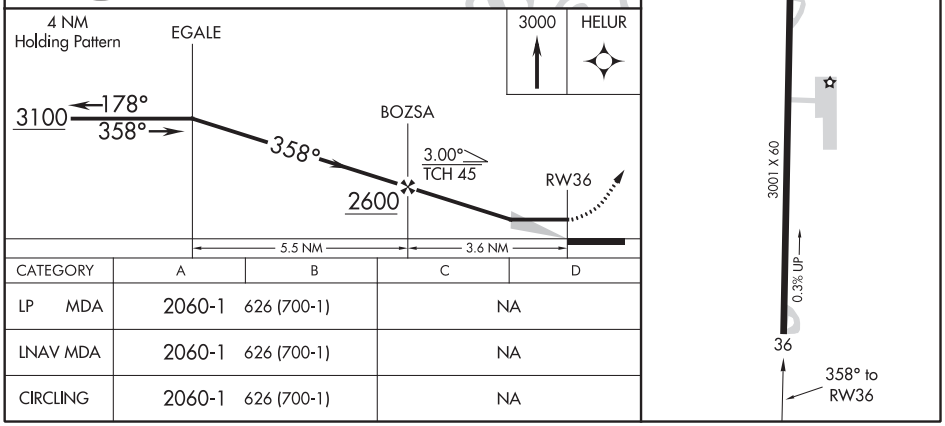
NA

Use Springfield altimeter setting; when not received, use Branson altimeter setting and increase all MDA 40 feet. Procedure NA at night. Rwy 36 helicopter visibility reduction below 1 SM NA.

MISSED APPROACH: Climb to 3000 direct HELUR and hold.

SPRINGFIELD APP CON	UNICOM
124.95 318.2	122.8 (CTAF) L





CATEGORY	A	B	C	D
LP MDA	2060-1	626 (700-1)	NA	
LNAV MDA	2060-1	626 (700-1)	NA	
CIRCLING	2060-1	626 (700-1)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

AVA, MISSOURI | AL-6542 (FAA) | 19283

APP CRS	Rwy ldg	3634
135°	TDZE	1277
	Apt Elev	1311

RNAV (GPS) RWY 13
AVA BILL MARTIN MEMORIAL (AOV)

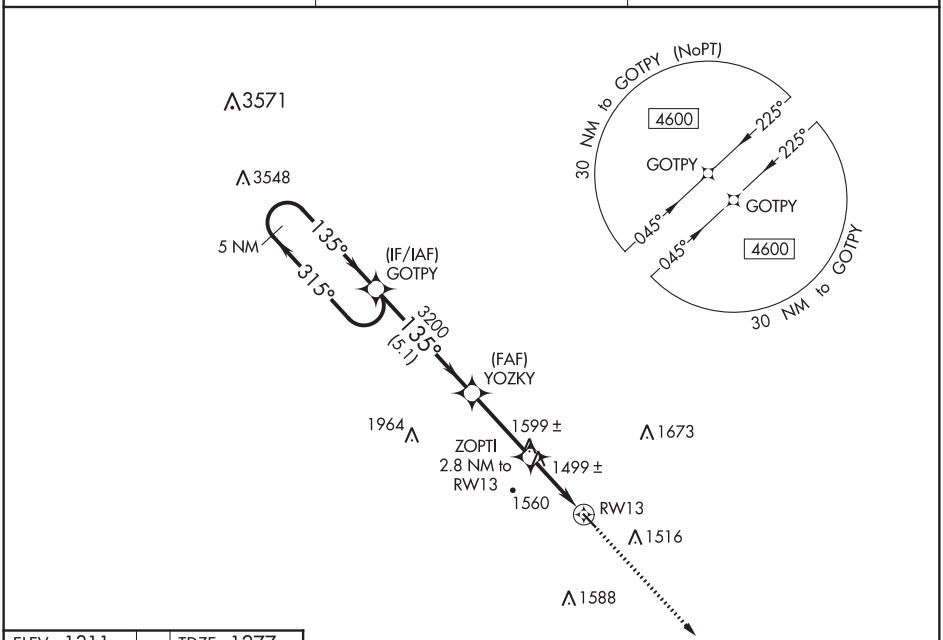
RNP APCH.

NA

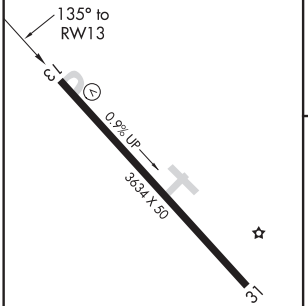
Procedure NA at night. Use Branson altimeter setting, if not received use Springfield Branson Natl altimeter setting and increase all MDA 20 feet. Rwy 13 helicopter visibility reduction below 1 SM NA.

MISSED APPROACH: Climb to 3500 direct GAHSU and hold.

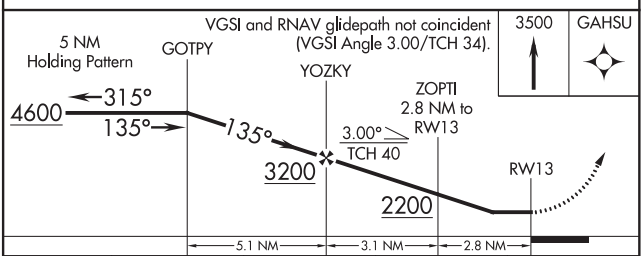
BBG AWOS-3	SPRINGFIELD APP CON	UNICOM
124.625	126.35	122.7 (CTAF) L



ELEV 1311 | TDZE 1277



MIRL Rwy 13-31 L



CATEGORY	A	B	C	D
LNAV MDA	1840-1 563 (600-1)		NA	

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

APP CRS	Rwy ldg	3634
315°	TDZE	1311
	Apt Elev	1311

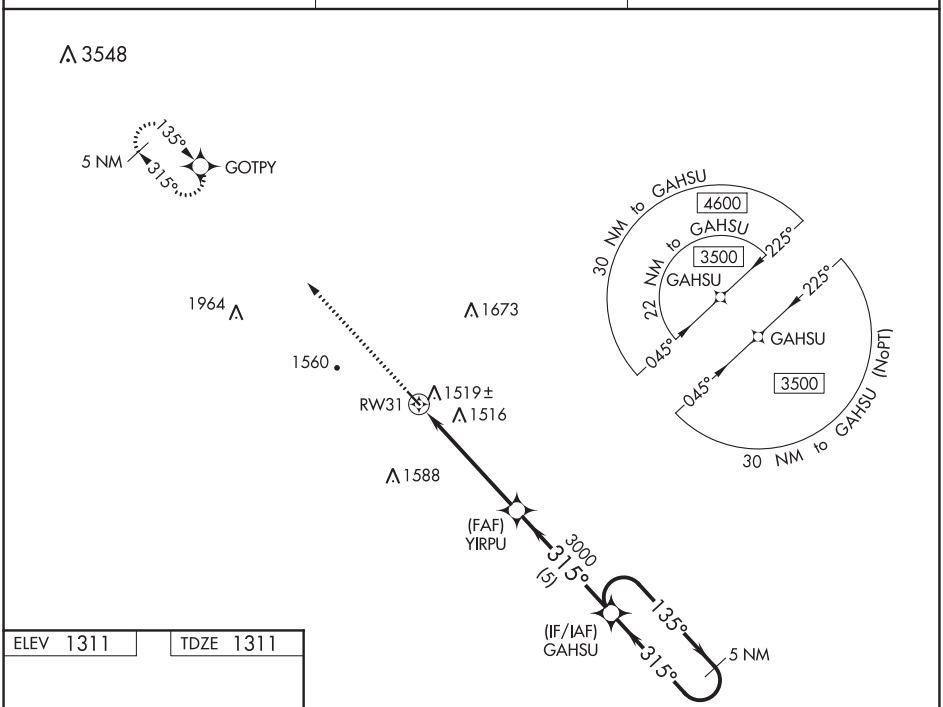
RNAV (GPS) RWY 31
AVA BILL MARTIN MEMORIAL (AOV)

RNP APCH.

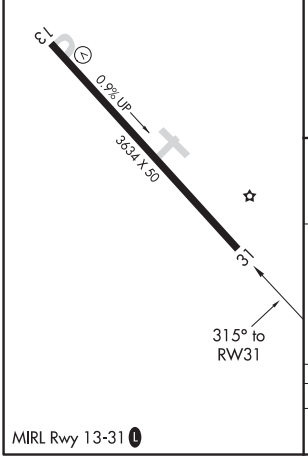
NA Procedure NA at night. Rwy 31 helicopter visibility reduction below 1 SM NA. Use Branson altimeter setting, if not received use Springfield Branson Natl altimeter setting and increase all MDA 20 feet.

MISSED APPROACH: Climb to 4600 direct GOTPY and hold, continue climb-in-hold to 4600.

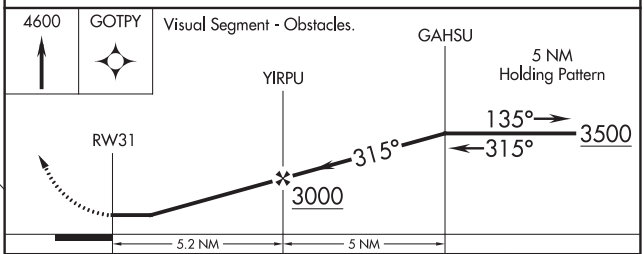
BBG AWOS-3	SPRINGFIELD APP CON	UNICOM
124.625	126.35	122.7 (CTAF) L



ELEV 1311 TDZE 1311



MIRL Rwy 13-31 L



CATEGORY	A	B	C	D
LNAV MDA	1860-1 549 (600-1)		NA	

NC-3, 25 FEB 2021 to 22 APR 2021

AVA, MISSOURI

AL-6542 (FAA)

20310

VOR-A

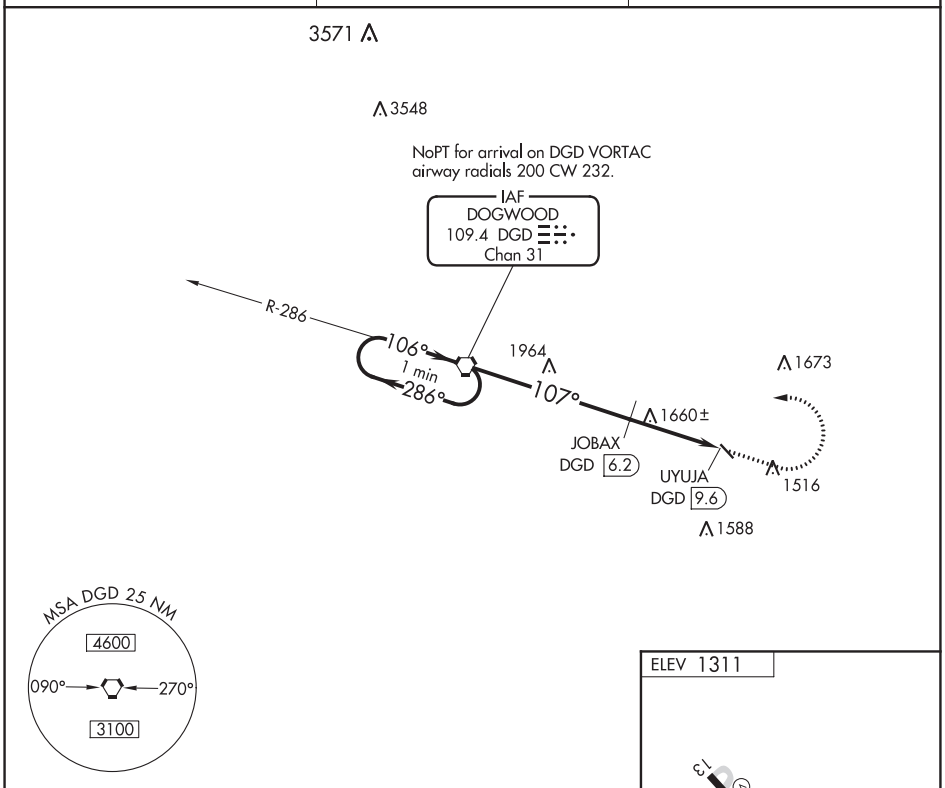
AVA BILL MARTIN MEMORIAL (AOV)

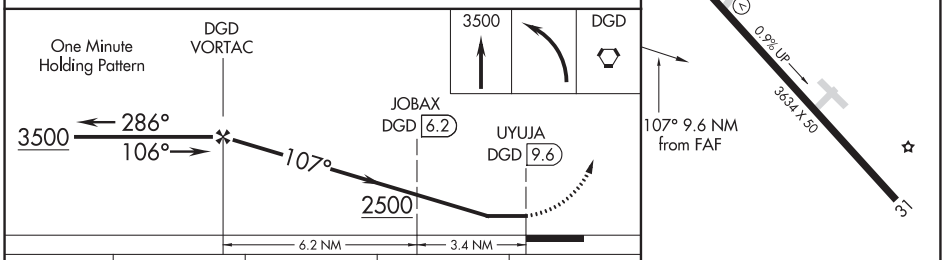
VORTAC DGD 109.4 Chan 31	APP CRS 107°	Rwy ldg N/A TDZE N/A Apt Elev 1311

Procedure NA at night.
NA Use Branson altimeter setting, when not received use Springfield Branson Natl altimeter setting.

MISSED APPROACH: Climb to 3500 then left turn direct DGD VORTAC and hold.

BBG AWOS-3	SPRINGFIELD APP CON	UNICOM
124.625	126.35	122.7 (CTAF) L





CATEGORY	A	B	C	D
CIRCLING	2500-1¼ 1189 (1200-1¼)	2500-1½ 1189 (1200-1½)	NA	
JOBAX FIX MINIMUMS (DME REQUIRED)				
CIRCLING	2020-1 709 (800-1)		NA	

FAF to MAP 9.6 NM					
Knots	60	90	120	150	180
Min:Sec	9:36	6:24	4:48	3:50	3:12

NC-3, 25 FEB 2021 to 22 APR 2021

AVA, MISSOURI
Amdt 3A 24JUL14

36°58′N-92°41′W

AVA BILL MARTIN MEMORIAL (AOV)
VOR-A

WAAS CH 45727 W18A	APP CRS 177°	Rwy ldg 4001 TDZE 771 Apt Elev 771

RNAV (GPS) RWY 18
BELLE PLAINE MUNI (TZT)

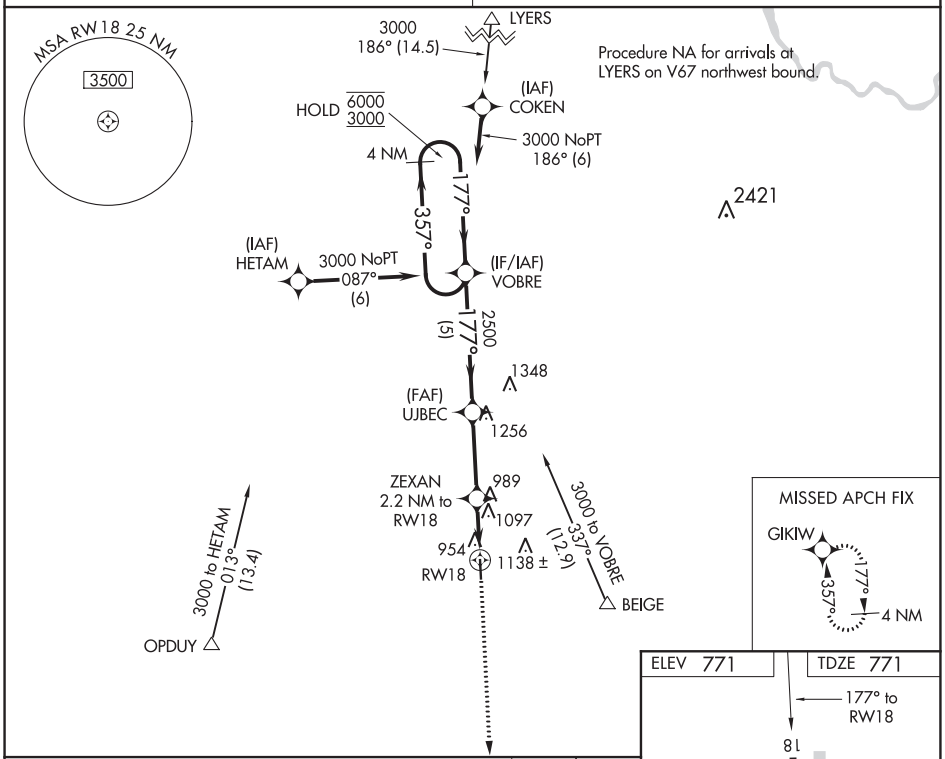
RNP APCH.

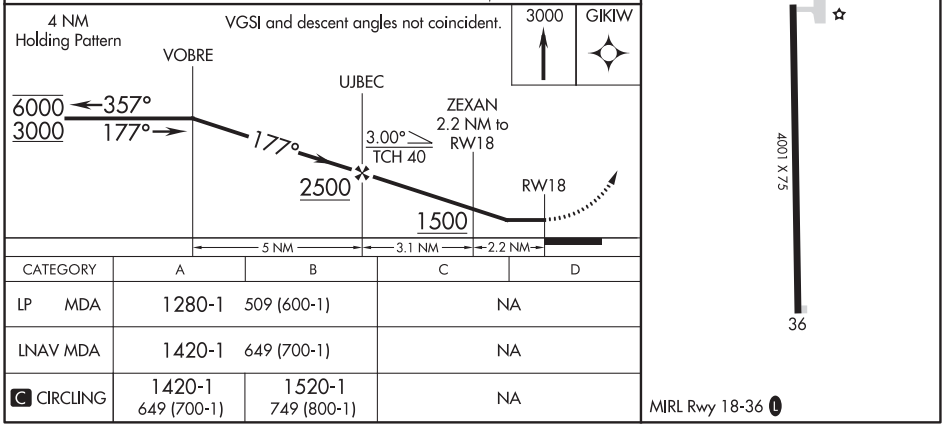
T
A NA

Rwy 18 helicopter visibility reduction below ¾ SM NA.
Use Vinton altimeter setting.

MISSED APPROACH: Climb to 3000 direct GIKIW and hold.

CEDAR RAPIDS APP CON ★	CTAF
119.7 266.8	122.9 L





CATEGORY	A	B	C	D
LP MDA	1280-1	509 (600-1)	NA	
LNAV MDA	1420-1	649 (700-1)	NA	
C CIRCLING	1420-1 649 (700-1)	1520-1 749 (800-1)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

BELLE PLAINE, IOWA

AL-9149 (FAA)

20030

RNAV (GPS) RWY 36
BELLE PLAINE MUNI (TZT)

WAAS CH 56426 W36A	APP CRS 357°	Rwy ldg 4001 TDZE 769 Apt Elev 771

RNP APCH.

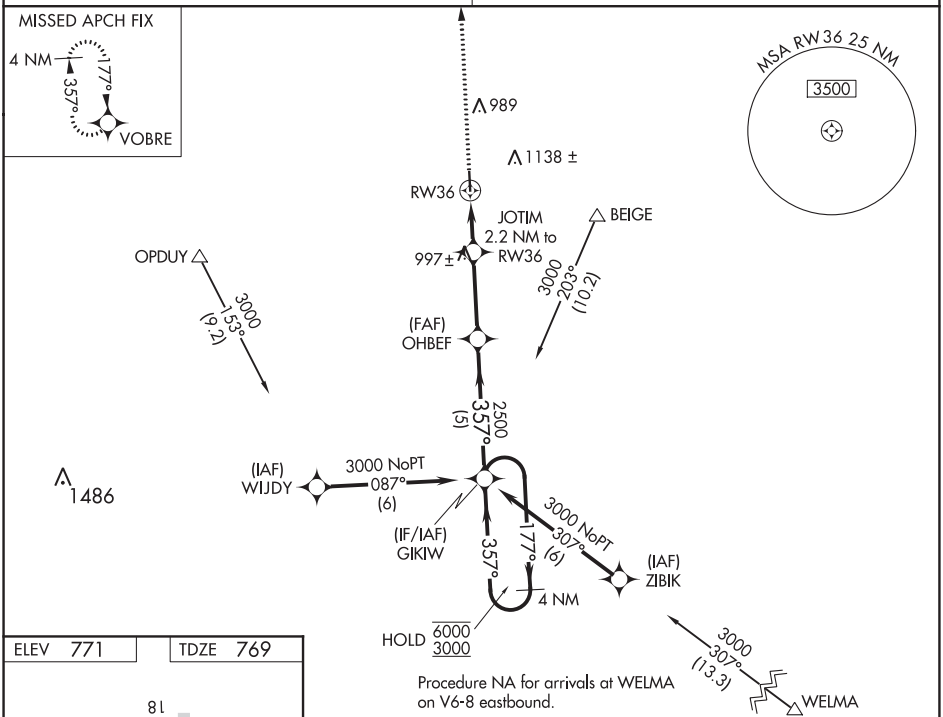
NA

Rwy 36 helicopter visibility reduction below ¾ SM NA.
Baro-VNAV NA. Use Vinton altimeter setting

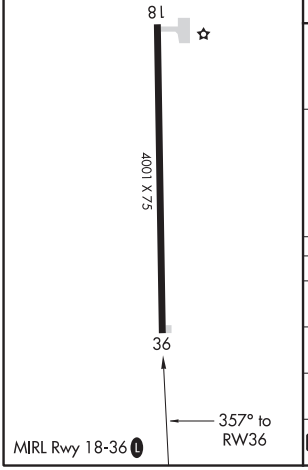
MISSED APPROACH:
Climb to 3000 direct VOBRE and hold.

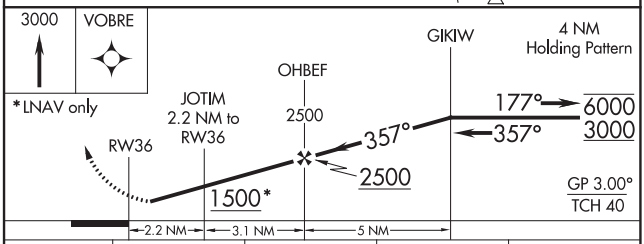
CEDAR RAPIDS APP CON *
119.7 266.8

CTAF
122.9



ELEV 771	TDZE 769





CATEGORY		A	B	C	D
LPV	DA	1104-1	335 (400-1)	NA	
LNAV/ VNAV	DA	1083-1	314 (400-1)	NA	
LNAV MDA		1380-1	611 (700-1)	NA	
C CIRCLING		1420-1 649 (700-1)	1520-1 749 (800-1)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021

VOR-A
BELLE PLAINE MUNI (TZT)

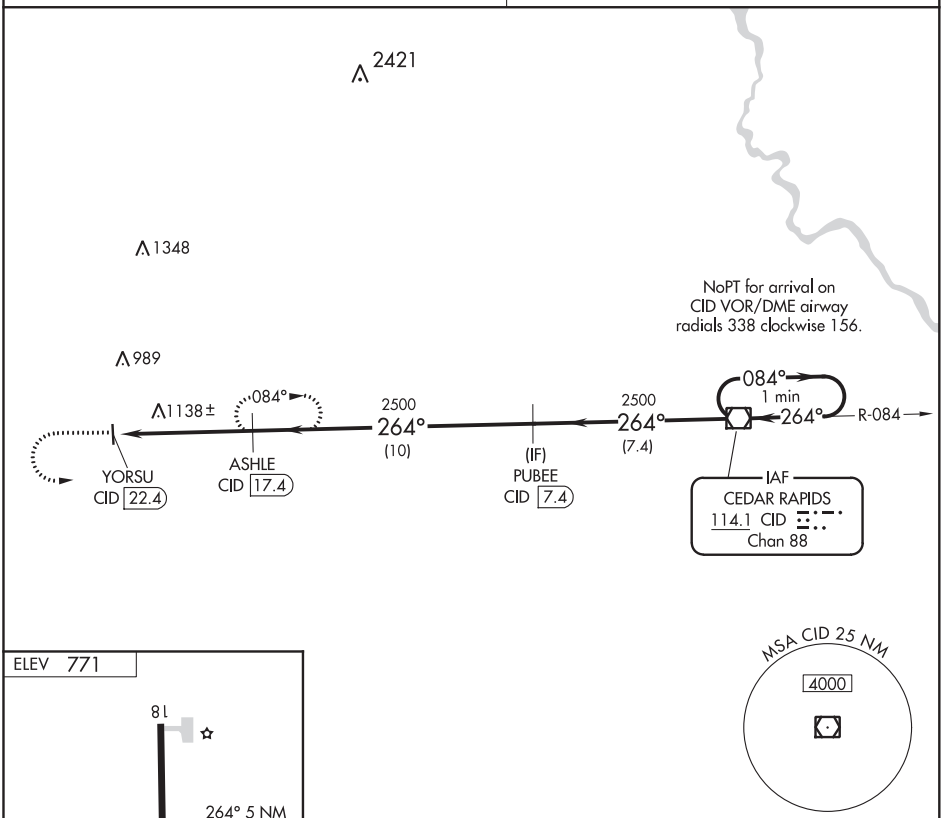
VOR/DME CID	APP CRS	Rwy ldg	N/A
114.1	264°	TDZE	N/A
Chan 88		Apt Elev	771

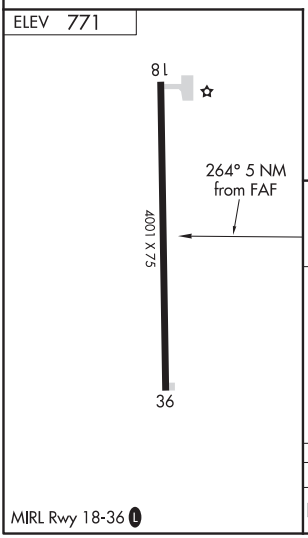
T
A NA

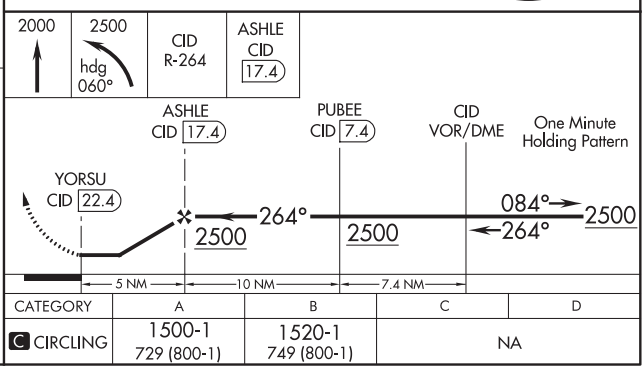
Use Vinton altimeter setting, when not received, use Cedar Rapids altimeter setting.
DME required.

MISSED APPROACH: Climb to 2000 then climbing left turn to 2500 on heading 060° and on CID VOR/DME R-264 to ASHLE/17.4 DME and hold.

CEDAR RAPIDS APP CON ★	CTAF
119.7 266.8	122.9 L







CATEGORY	A	B	C	D
C CIRCLING	1500-1 729 (800-1)	1520-1 749 (800-1)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021

BLOOMFIELD, IOWA

AL-6415 (FAA)

20198

RNAV (GPS) RWY 36
BLOOMFIELD MUNI (4K6)

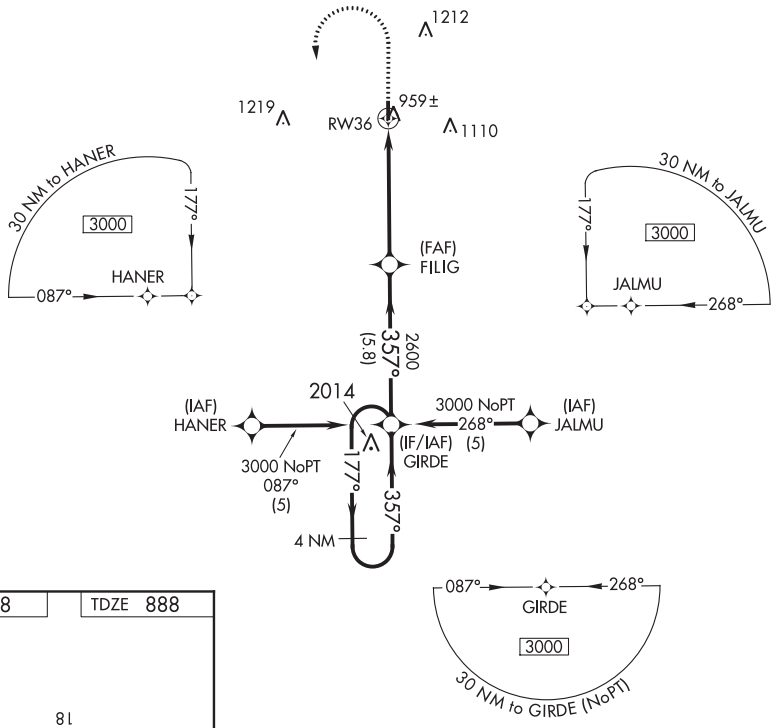
APP CRS	Rwy ldg	3401
357°	TDZE	888
	Apt Elev	888

T NA

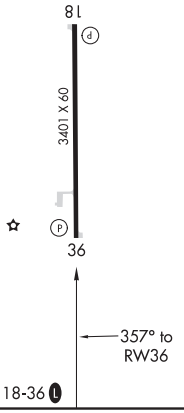
Use Ottumwa altimeter setting; when not available, procedure NA.
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 2000 then climbing left turn to 3000 direct GIRDE WP and hold.

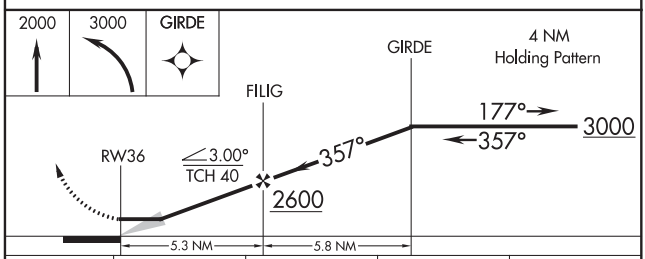
CHICAGO CENTER	UNICOM
118.15 335.575	122.8 (CTAF) L



ELEV 888 | TDZE 888



MIRL Rwy 18-36 L



CATEGORY	A	B	C	D
LNAV MDA	1400-1	512 (600-1)	1400-1½ 512 (600-1½)	NA
CIRCLING	1500-1	612 (700-1)	1520-1¾ 632 (700-1¾)	NA

BLOOMFIELD, IOWA
Orig-A 16DEC10

40°44′N-92°26′W

BLOOMFIELD MUNI (4K6)
RNAV (GPS) RWY 36

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

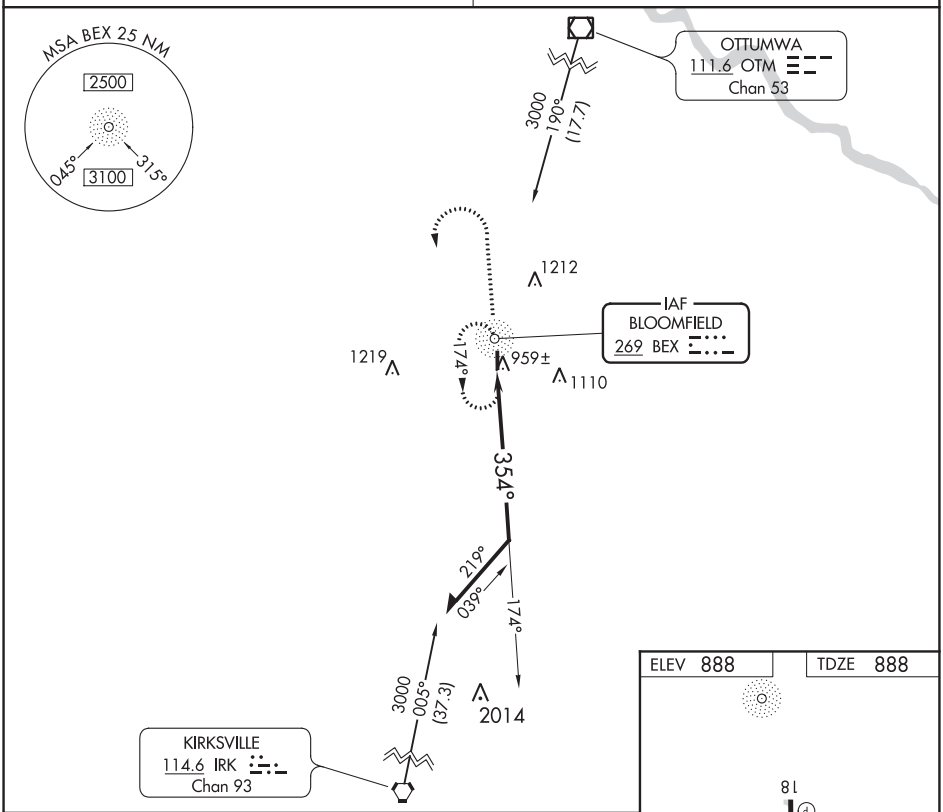
NDB BEX	APP CRS	Rwy ldg	3401
269	354°	TDZE	888
		Apt Elev	888

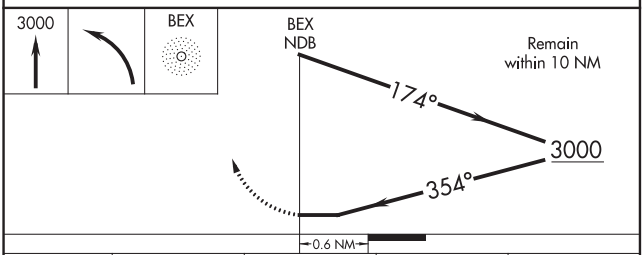
NDB RWY 36
BLOOMFIELD MUNI (4K6)

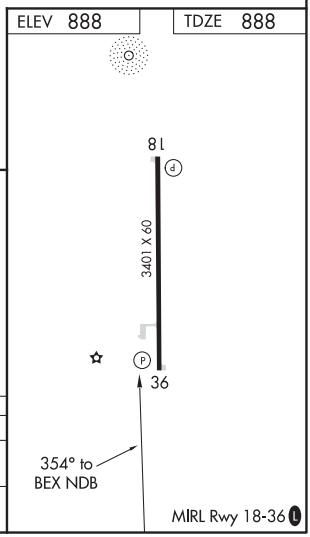
T A NA — Use Ottumwa altimeter setting; when not available, procedure NA.

MISSED APPROACH: Climb to 3000 then left turn direct BEX NDB and hold.

CHICAGO CENTER	UNICOM
118.15 335.575	122.8 (CTAF) L







CATEGORY	A	B	C	D
S-36	1500-1	612 (700-1)	1500-1¾ 612 (700-1¾)	NA
CIRCLING	1500-1	612 (700-1)	1520-1¾ 632 (700-1¾)	NA

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

BOLIVAR, MISSOURI | AL-9389 (FAA) | 19171

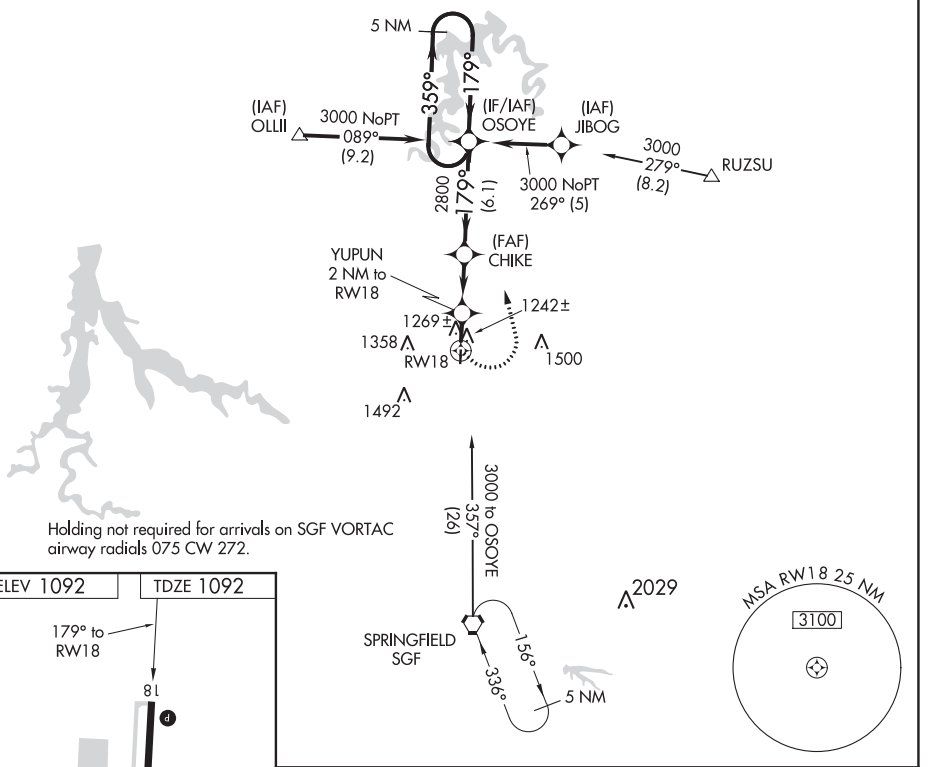
APP CRS	Rwy ldg	4000
179°	TDZE	1092
	Apt Elev	1092

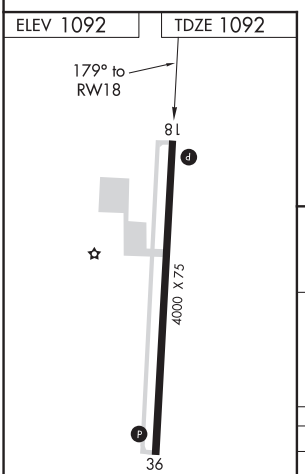
RNAV (GPS) RWY 18
BOLIVAR MUNI (M17)

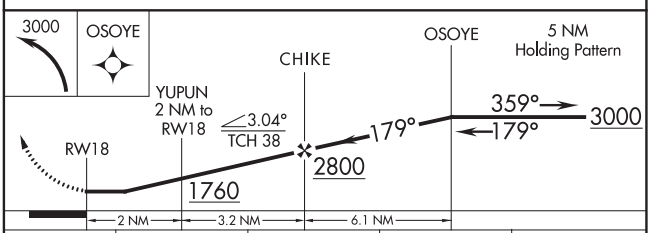
DME/DME RNP-0.3 NA.
NA Visibility reduction by helicopters NA.
Use Springfield-Branson National altimeter setting.

MISSED APPROACH: Climbing left turn to 3000 direct OSOYE and hold.

SPRINGFIELD APP CON	UNICOM
124.95 318.2	123.0 (CTAF) L







CATEGORY	A	B	C	D
LNAV MDA	1600-1 508 (600-1)		1600-1½ 508 (600-1½)	NA
CIRCLING	1660-1 568 (600-1)		1660-1½ 568 (600-1½)	NA

MIRL Rwy 18-36 L

NC-3, 25 FEB 2021 to 22 APR 2021

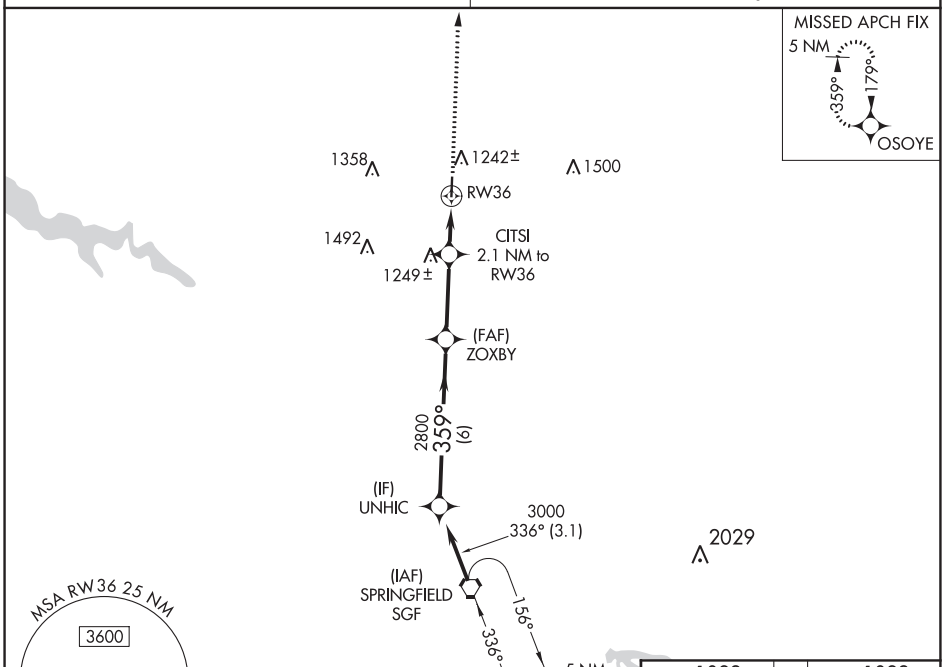
WAAS CH 78303 W36A	APP CRS 359°	Rwy ldg 4000 TDZE 1092 Apt Elev 1092

RNAV (GPS) RWY 36
BOLIVAR MUNI (M17)

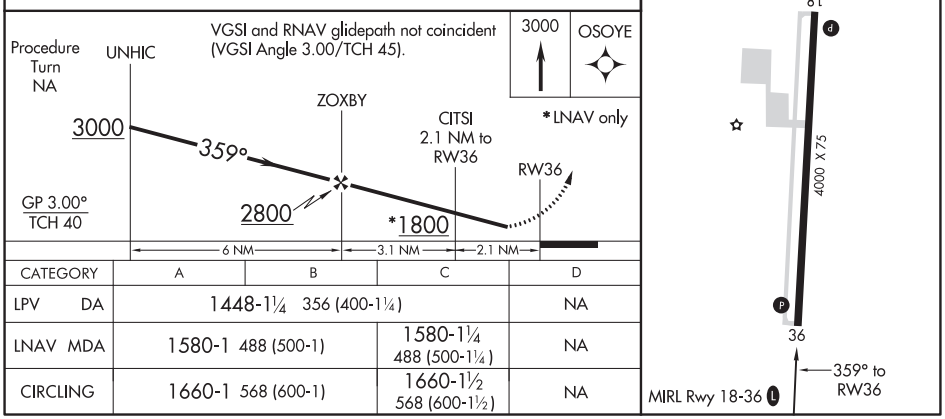
DME/DME RNP-0.3 NA.
NA Visibility reduction by helicopters NA.
Use Springfield-Branson National altimeter setting.

MISSED APPROACH: Climb to 3000 direct OSOYE and hold.

SPRINGFIELD APP CON	UNICOM
124.95 318.2	123.0 (CTAF) L



ELEV 1092 TDZE 1092



CATEGORY	A	B	C	D
LPV DA	1448-1¼ 356 (400-1¼)			NA
LNAV MDA	1580-1 488 (500-1)		1580-1¼ 488 (500-1¼)	NA
CIRCLING	1660-1 568 (600-1)		1660-1½ 568 (600-1½)	NA

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

BOLIVAR, MISSOURI | AL-9389 (FAA) | 21028

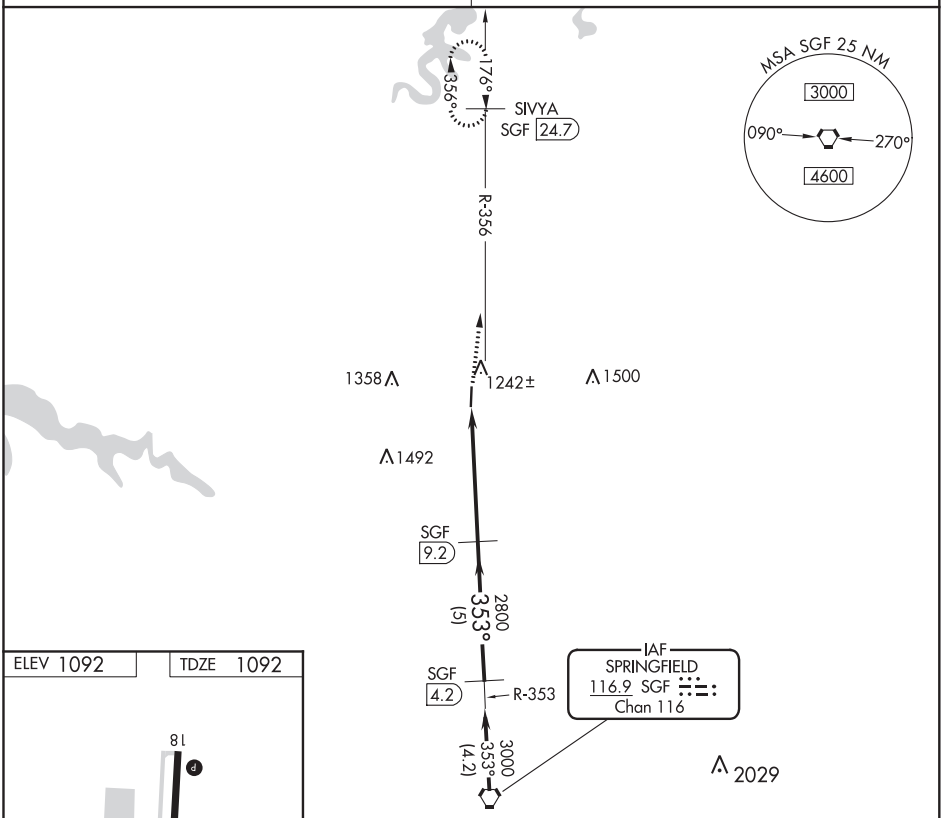
VORTAC SGF 116.9 Chan 116	APP CRS 353°	Rwy ldg 4000 TDZE 1092 Apt Elev 1092

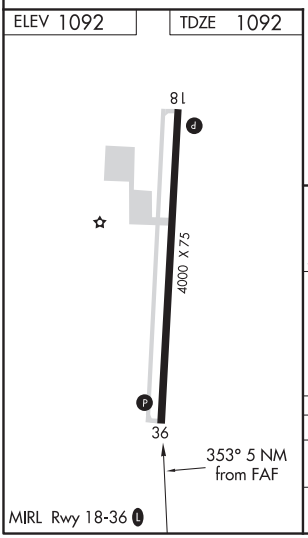
VOR/DME RWY 36
BOLIVAR MUNI (M17)

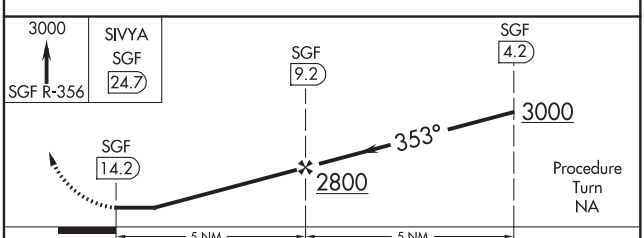
Use Springfield-Branson National altimeter setting.
Circling Rwy 18 NA at night.

MISSED APPROACH: Climb to 3000 via SGF R-356 to SIVYA/SGF 24.7 DME and hold.

SPRINGFIELD APP CON	UNICOM
124.95 318.2	123.0 (CTAF)







CATEGORY	A	B	C	D
S-36	1700-1 608 (700-1)		NA	
CIRCLING	1700-1 608 (700-1)		NA	

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 78033 W15A	APP CRS 146°	Rwy ldg 4667 TDZE 1139 Apt Elev 1160

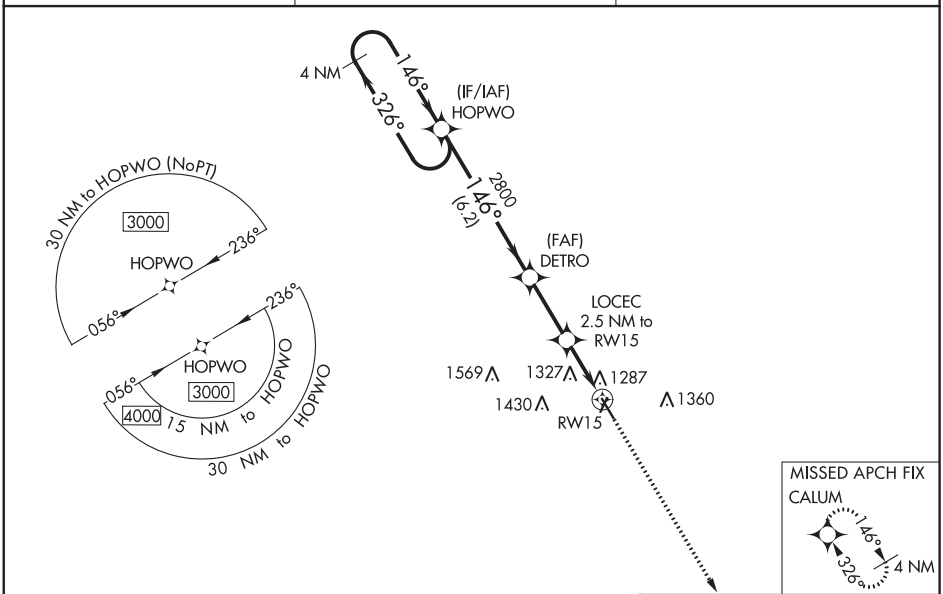
RNAV (GPS) RWY 15
BOONE MUNI (BNW)

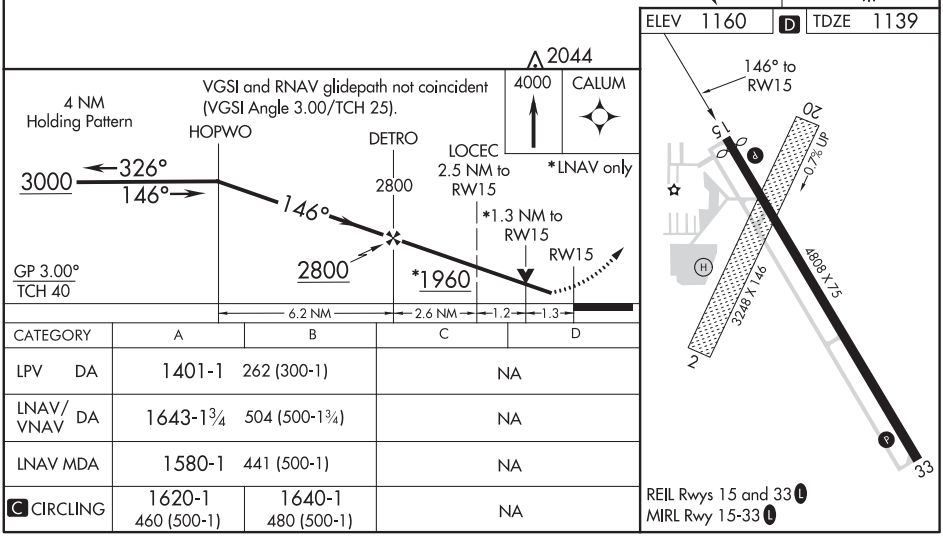
RNP APCH.

Baro-VNAV and VDP NA when using Ames Muni altimeter setting. For uncompensated Baro-VNAV Systems, LNAV/VNAV NA below -22°C or above 54°C. Rwy 15 helicopter visibility reduction below 1 SM NA. When local altimeter setting not received, use Ames Muni altimeter setting and increase all DA 54 feet and all MDA 60 feet. Increase LNAV/VNAV all Cats visibility to 1⅞ mile. Circling NA to Rwys 2 and 20.

MISSED APPROACH: Climb to 4000 direct CALUM and hold.

AWOS-3	DES MOINES APP CON	UNICOM
120.925	123.9 307.15	123.0 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1401-1 262 (300-1)		NA	
LNAV/VNAV DA	1643-1¾ 504 (500-1¾)		NA	
LNAV MDA	1580-1 441 (500-1)		NA	
C CIRCLING	1620-1 460 (500-1)	1640-1 480 (500-1)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

BOONE, IOWA | AL-5512 (FAA) | 19171

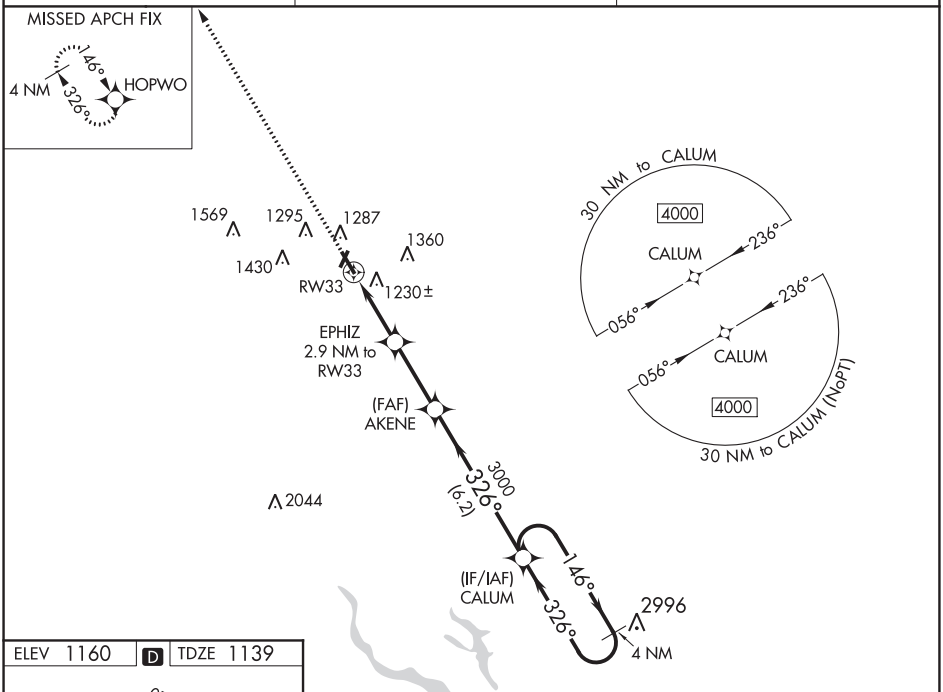
RNAV (GPS) RWY 33
BOONE MUNI (BNW)

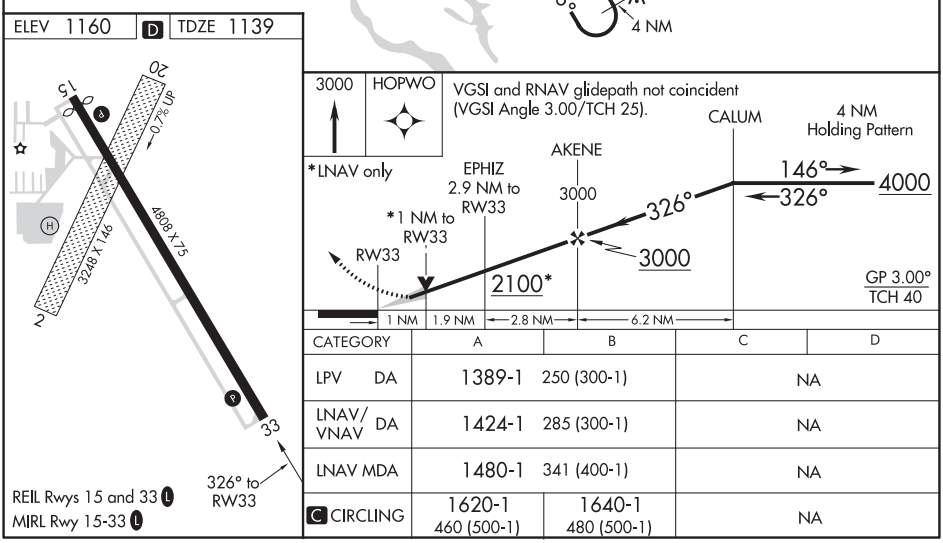
WAAS CH 40133 W33A	APP CRS 326°	Rwy ldg 4807 TDZE 1139 Apt Elev 1160

Baro-VNAV NA. DME/DME RNP-0.3 NA. VDP NA with Ames Muni altimeter setting. When local altimeter setting not received, use Ames Muni altimeter setting and increase all DA 54 feet and all MDA 60 feet. Increase LNAV/VNAV all Cats visibility to 1⅛ mile. Circling NA to Rwys 2 and 20.

MISSED APPROACH: Climb to 3000 direct HOPWO and hold.

AWOS-3	DES MOINES APP CON	UNICOM
120.925	123.9 307.15	123.0 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1389-1 250 (300-1)		NA	
LNAV/VNAV DA	1424-1 285 (300-1)		NA	
LNAV MDA	1480-1 341 (400-1)		NA	
C CIRCLING	1620-1 460 (500-1)	1640-1 480 (500-1)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 72703 W18A	APP CRS 183°	Rwy ldg 4000 TDZE 715 Apt Elev 715

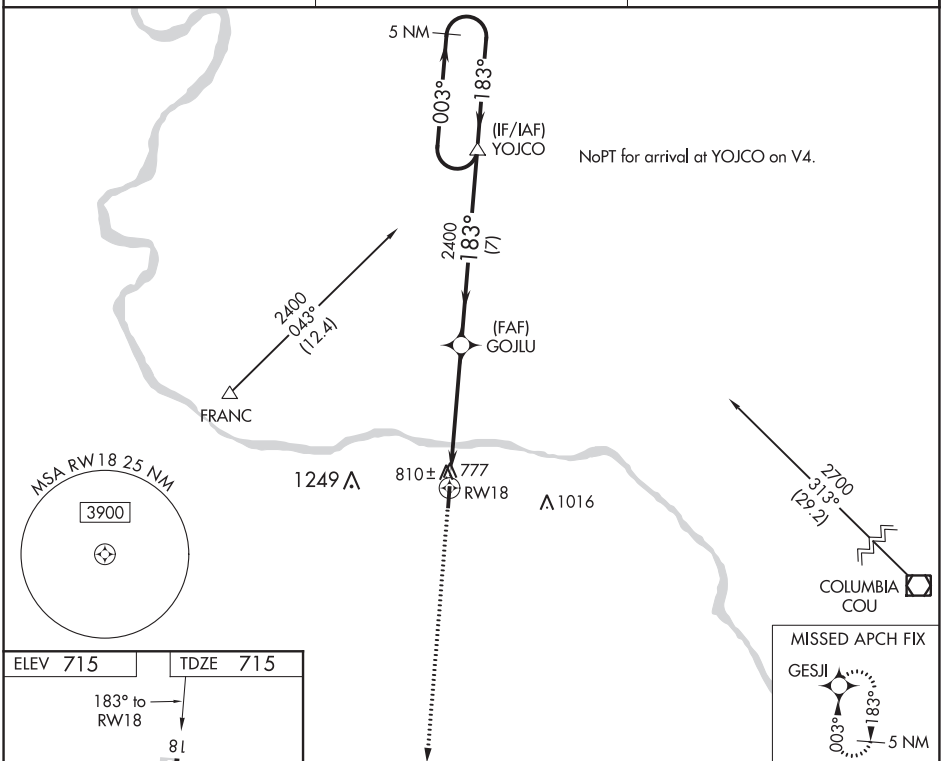
RNAV (GPS) RWY 18
JESSE VIERTEL MEMORIAL (VER)

RNP APCH.

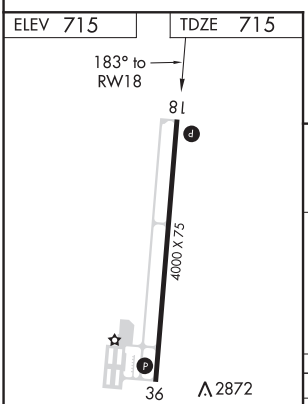
Circling Rwy 36 NA at night. Rwy 18 helicopter visibility reduction below ¾ SM NA. Use Columbia Rgnl altimeter setting.

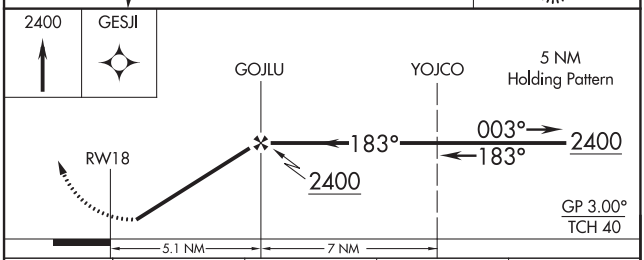
MISSED APPROACH: Climb to 2400 direct GESJI and hold.

AWOS-3	MIZZU APP CON	UNICOM
119.625	124.375	122.7 (CTAF) L



ELEV 715 TDZE 715





CATEGORY	A	B	C	D
LPV DA	1103-1½ 388 (400-1½)			NA
LNAV MDA	1140-1 425 (500-1)		1140-1¼ 425 (500-1¼)	NA
CIRCLING	1200-1 485 (500-1)		1340-1¾ 625 (700-1¾)	NA

REIL Rwys 18 and 36 L
MIRL Rwy 18-36 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

BOONVILLE, MISSOURI | AL-6192 (FAA) | 20310

APP CRS	Rwy ldg	4000
003°	TDZE	715
	Apt Elev	715

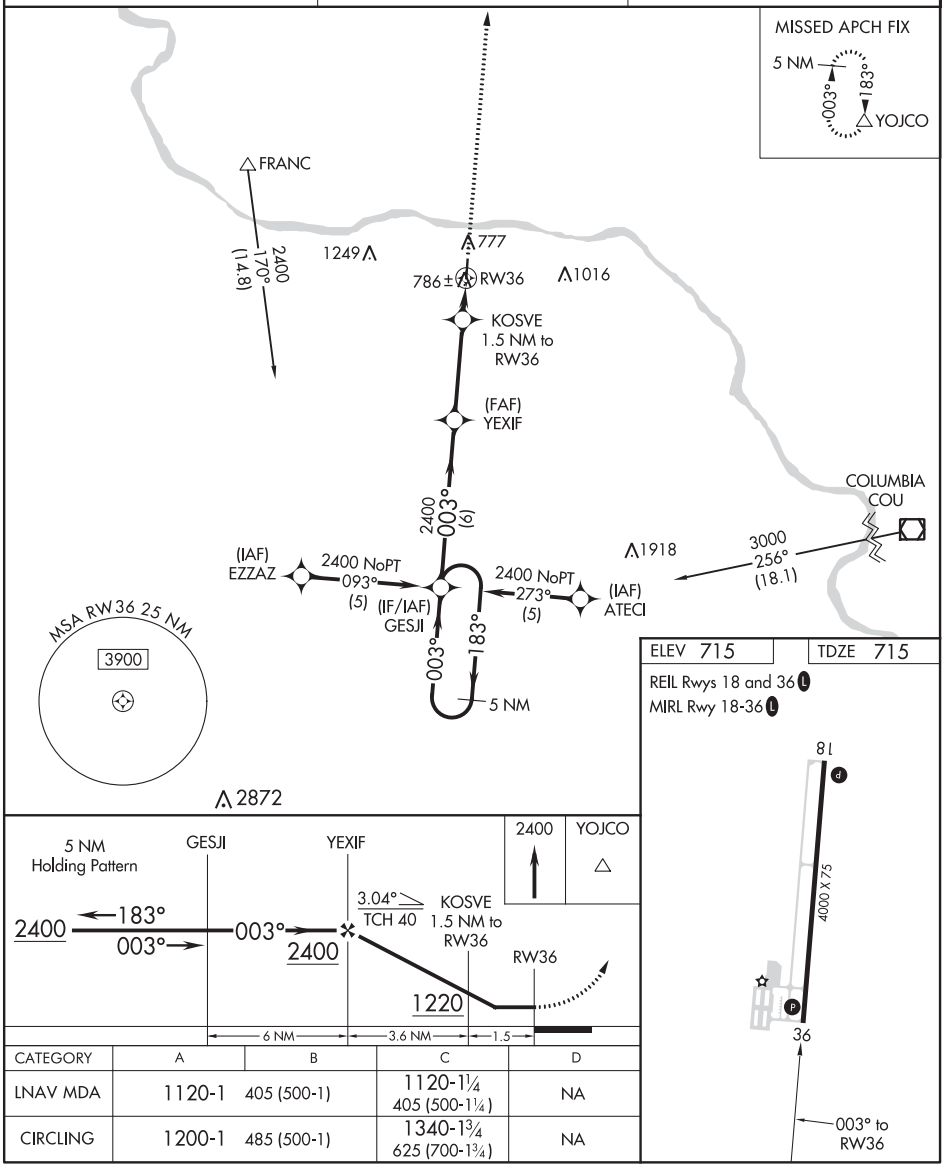
RNAV (GPS) RWY 36
JESSE VIERTEL MEMORIAL (VER)

RNP APCH.

NA — Straight-in Rwy 36 NA at night. Circling Rwy 36 NA at night. Rwy 36 helicopter visibility reduction below 1 SM NA. Use Columbia Rgnl altimeter setting.

MISSED APPROACH: Climb to 2400 direct YOJCO and hold.

AWOS-3	MIZZU APP CON	UNICOM
119.625	124.375	122.7 (CTAF) L



CATEGORY	A	B	C	D
LNAV MDA	1120-1 405 (500-1)		1120-1¼ 405 (500-1¼)	NA
CIRCLING	1200-1 485 (500-1)		1340-1¾ 625 (700-1¾)	NA

BOONVILLE, MISSOURI
Orig-A 12SEP19

38°57′N-92°41′W

JESSE VIERTEL MEMORIAL (VER)
RNAV (GPS) RWY 36

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

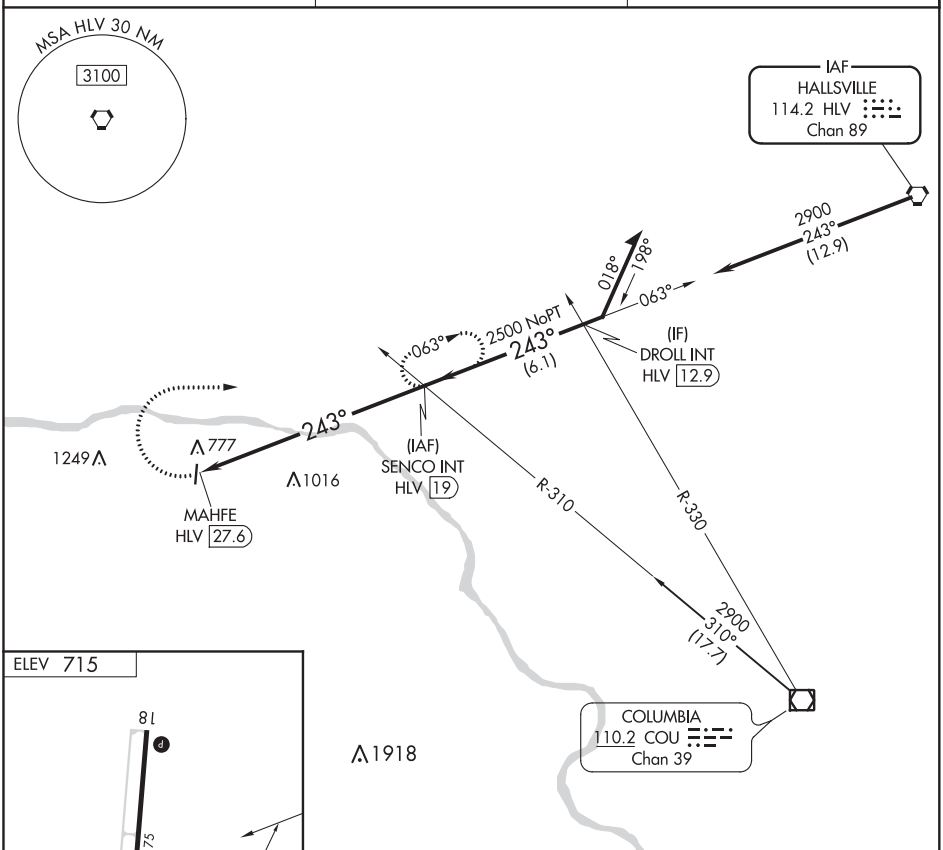
VORTAC HLV 114.2 Chan 89	APP CRS 243°	Rwy ldg N/A TDZE N/A Apt Elev 715

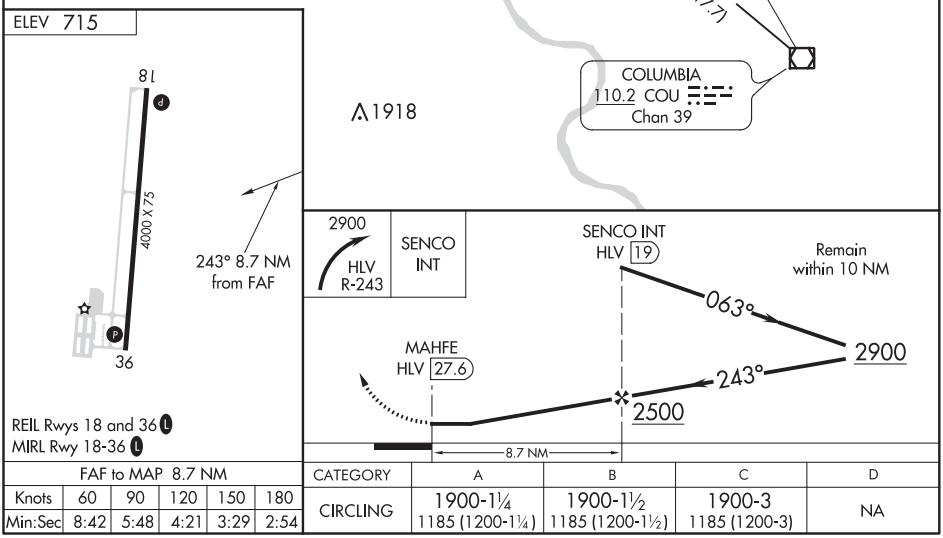
VOR-A
JESSE VIERTEL MEMORIAL (VER)

T A NA Rwy 36 helicopter visibility reduction below 1 SM NA. Circling Rwy 36 NA at night.

MISSED APPROACH: Climbing right turn to 2900 via HLV VORTAC R-243 to SENCO INT/HLV 19 DME and hold.

AWOS-3	MIZZU APP CON	UNICOM
119.625	124.375	122.7 (CTAF) L





REIL Rwys 18 and 36 L
MIRL Rwy 18-36 L

FAF to MAP 8.7 NM					
Knots	60	90	120	150	180
Min:Sec	8:42	5:48	4:21	3:29	2:54

CATEGORY	A	B	C	D
CIRCLING	1900-1¼ 1185 (1200-1¼)	1900-1½ 1185 (1200-1½)	1900-3 1185 (1200-3)	NA

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

BOWLING GREEN, MISSOURI AL-6479 (FAA) 19339

APP CRS	Rwy ldg	3203
133°	TDZE	886
	Apt Elev	886

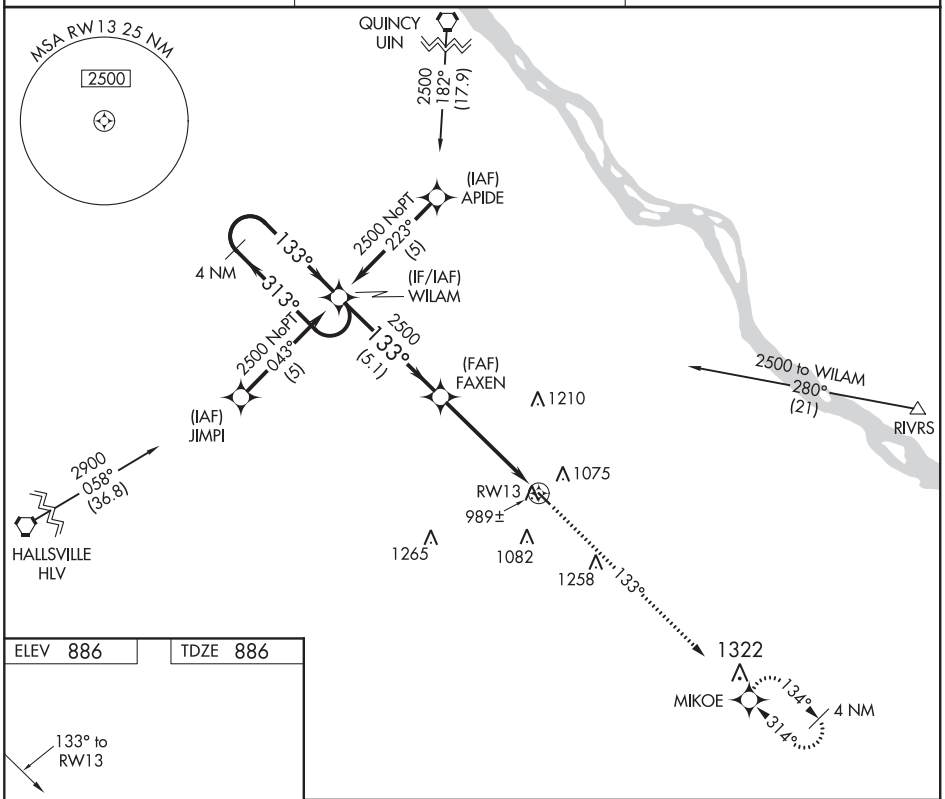
RNAV (GPS) RWY 13
BOWLING GREEN MUNI (H19)

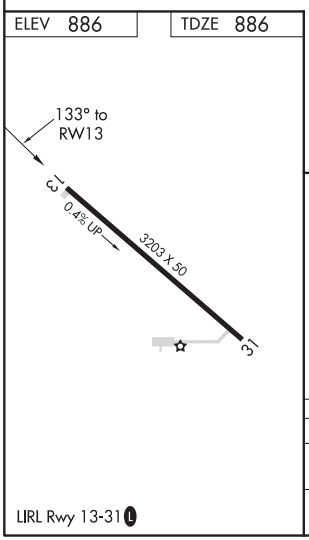
RNP APCH.

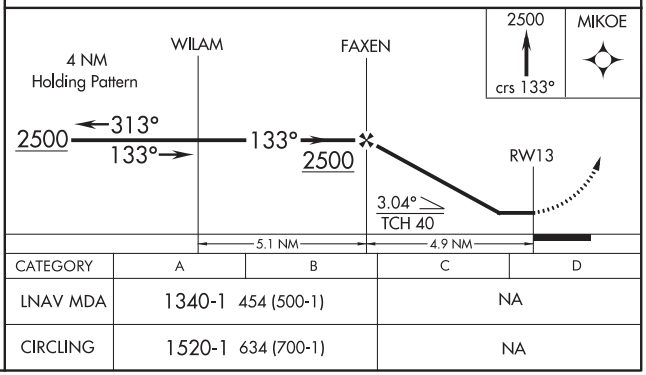
NA Use Quincy, IL altimeter setting. Rwy 13 helicopter visibility reduction below 1 SM NA. Procedure NA at night.

MISSED APPROACH: Climb to 2500 on course 133° to MIKOE and hold.

UIN ASOS	KANSAS CITY CENTER	UNICOM
121.425	126.225 317.775	122.8 (CTAF) L







CATEGORY	A	B	C	D
LNAV MDA	1340-1 454 (500-1)		NA	
CIRCLING	1520-1 634 (700-1)		NA	

NC-3, 25 FEB 2021 to 22 APR 2021

APP CRS	Rwy ldg	3203
314°	TDZE	886
	Apt Elev	886

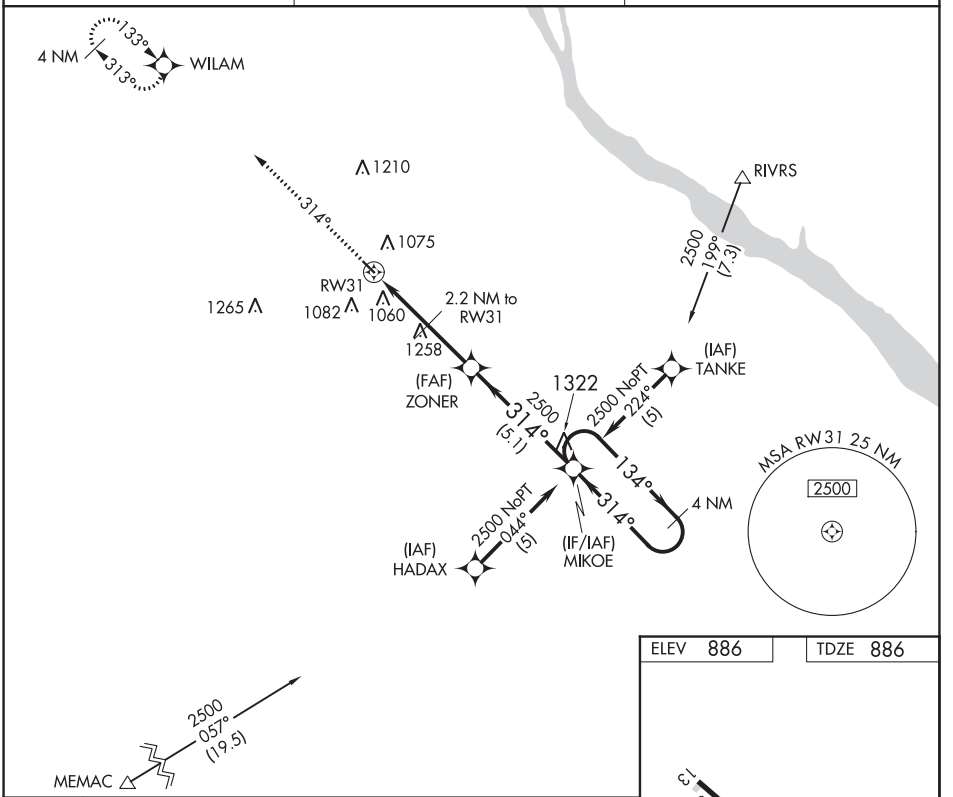
RNAV (GPS) RWY 31
BOWLING GREEN MUNI (H19)

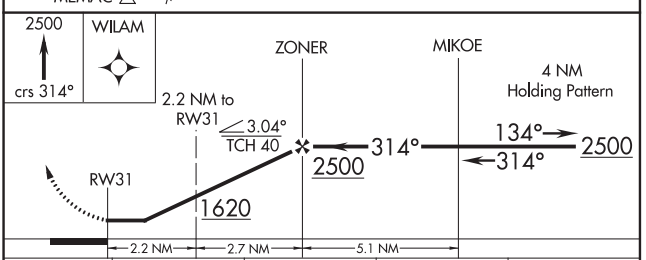
RNP APCH.

NA Use Quincy, IL altimeter setting. Rwy 31 helicopter visibility reduction below 1 SM NA. Procedure NA at night.

MISSED APPROACH: Climb to 2500 on course 314° to WILAM and hold.

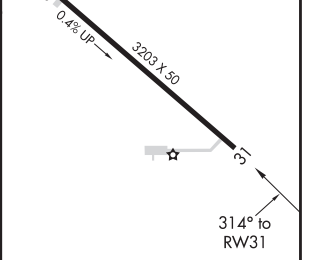
UIN ASOS	KANSAS CITY CENTER	UNICOM
121.425	126.225 317.775	122.8 (CTAF) L





CATEGORY	A	B	C	D
LNAV MDA	1460-1 574 (600-1)		NA	
CIRCLING	1520-1 634 (700-1)		NA	

ELEV 886 TDZE 886



LIRL Rwy 13-31 L

NC-3, 25 FEB 2021 to 22 APR 2021

BRANSON, MISSOURI | AL-10372 (FAA) | 19115

ILS or LOC RWY 32
BRANSON (BBG)

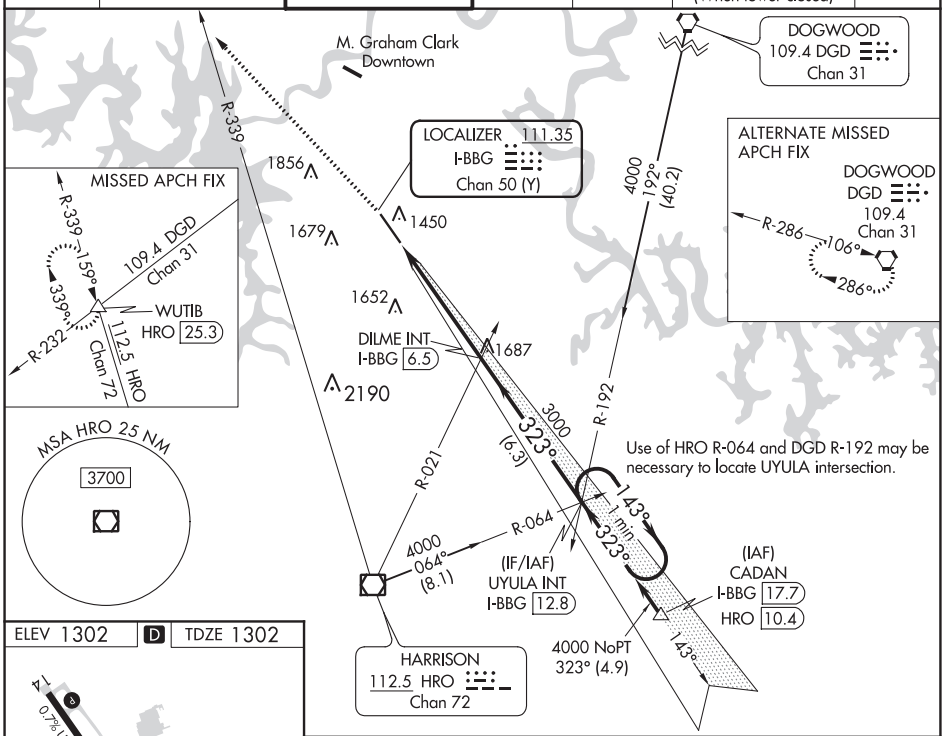
LOC/DME I-BBG	APP CRS	Rwy ldg	7140
111.35	323°	TDZE	1302
Chan 50 (Y)		Apt Elev	1302

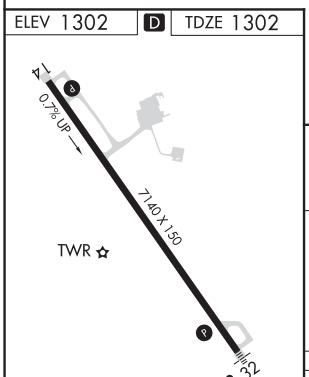
T NA — Inoperative table does not apply. When local altimeter setting not received, use Harrison altimeter setting and increase all DA/MDA 60 feet and increase Circling Cat D visibility ¼ mile. VDP NA when using Harrison altimeter setting.

MALSF

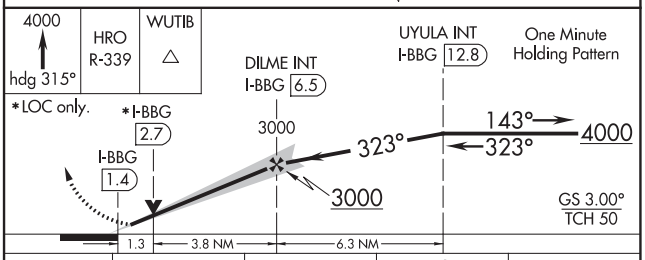
MISSED APPROACH: Climb to 4000 on heading 315° and HRO VOR/DME R-339 to WUTIB INT/HRO 25.3 DME and hold.

ATIS	SPRINGFIELD APP CON	BRANSON TOWER★	GND CON	CLNC DEL	SPRINGFIELD CLNC DEL	UNICOM
124.625	126.35	128.15 (CTAF) L	118.4	118.4	126.35 (When tower closed)	122.95





FAF to MAP 5.1 NM					
Knots	60	90	120	150	180
Min:Sec	5:06	3:24	2:33	2:02	1:42



CATEGORY	A	B	C	D
S-ILS 32	1502-1 200 (200-1)			
S-LOC 32	1760-1 458 (500-1)		1760-1¼ 458 (500-1¼)	1760-1½ 458 (500-1½)
C CIRCLING	1760-1 458 (500-1)	1780-1 478 (500-1)	2220-2½ 918 (1000-2½)	2220-2¾ 918 (1000-2¾)

BRANSON, MISSOURI
Orig-A 24JUL14

36°32′N-93°12′W

BRANSON (BBG)
ILS or LOC RWY 32

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 49111 W14A	APP CRS 143°	Rwy ldg 7140 TDZE 1275 Apt Elev 1303

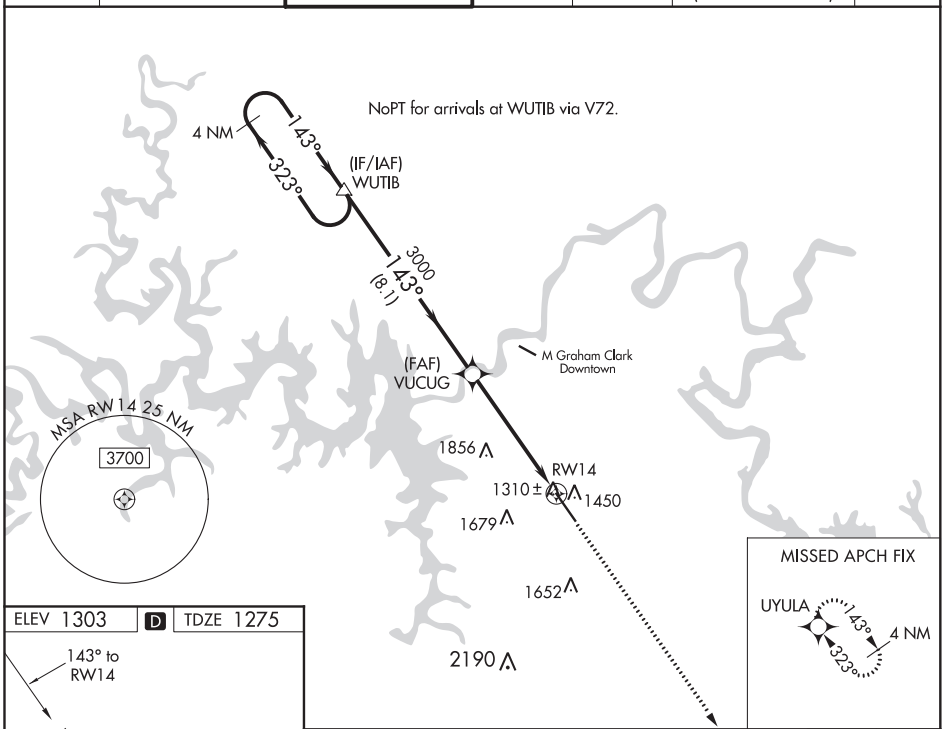
RNAV (GPS) RWY 14
BRANSON (BBG)

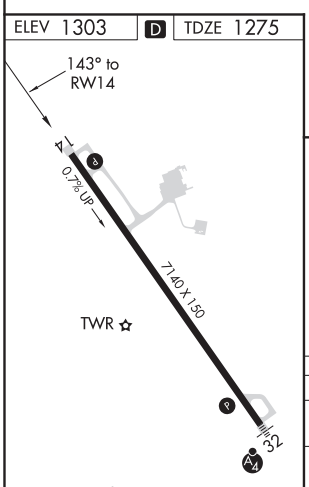
RNP APCH.

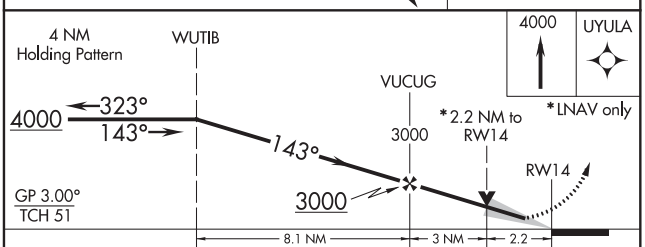
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 46°C. When local altimeter setting not received, use Harrison altimeter setting and increase all DA 47 feet and all MDA 60 feet. VDP and Baro-VNAV NA when using Harrison altimeter setting.

MISSED APPROACH: Climb to 4000 direct UYULA and hold.

ATIS	SPRINGFIELD APP CON	BRANSON TOWER*	GND CON	CLNC DEL	SPRINGFIELD CLNC DEL	UNICOM
124.625	126.35	128.15 (CTAF) L	118.4	118.4	126.35 (When tower closed)	122.95







CATEGORY	A	B	C	D
LPV DA	1525-1 250 (300-1)			
LNAV/VNAV DA	1798-2 523 (500-2)			
LNAV MDA	2020-1 745 (800-1)	2020-1¼ 745 (800-1¼)	2020-2¼ 745 (800-2¼)	2020-2½ 745 (800-2½)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

BRANSON, MISSOURI | AL-10372 (FAA) | 19115

RNAV (GPS) RWY 32
BRANSON (BBG)

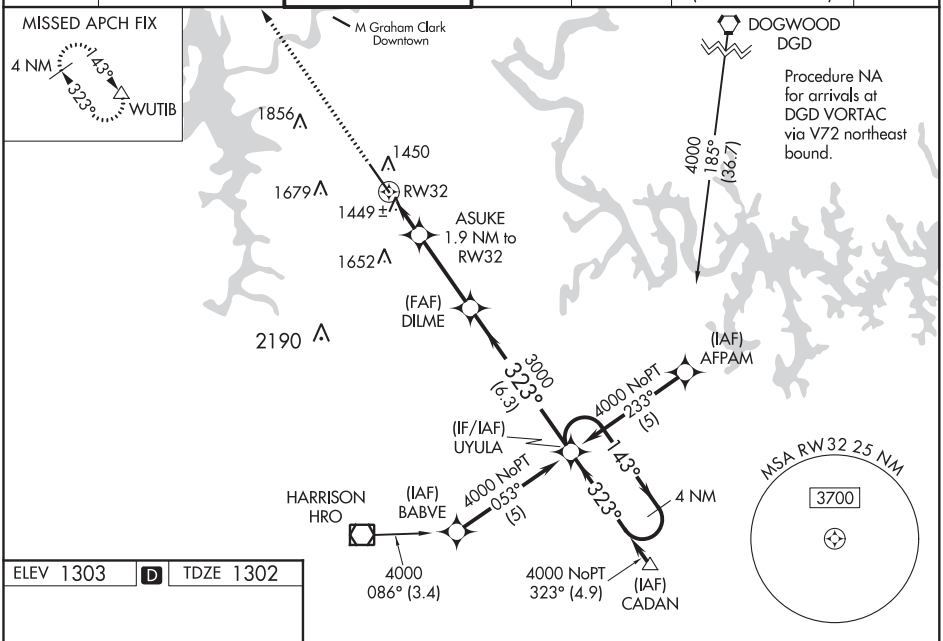
WAAS CH 93911 W32A	APP CRS 323°	Rwy ldg 7140 TDZE 1302 Apt Elev 1303

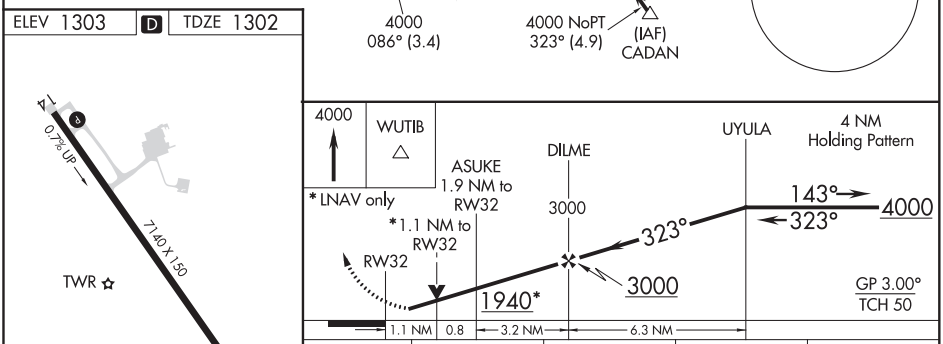
DME/DME RNP-0.3 NA. When local altimeter setting not received, use Harrison altimeter setting and increase all DA 47 feet and all MDA 60 feet. Increase LNAV/VNAV all Cats visibility ¼ mile, LNAV Cat C visibility ½ mile, Cat D visibility ¼ mile, and Circling Cat D visibility ¼ mile. VDP and Baro-VNAV NA when using Harrison altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 46°C (114°F). Inoperative table does not apply.

MALSF

MISSED APPROACH: Climb to 4000 direct WUTIB and hold.

ATIS	SPRINGFIELD APP CON	BRANSON TOWER ★	GND CON	CLNC DEL	SPRINGFIELD CLNC DEL	UNICOM
124.625	126.35	128.15 (CTAF) L	118.4	118.4	126.35 (When tower closed)	122.95

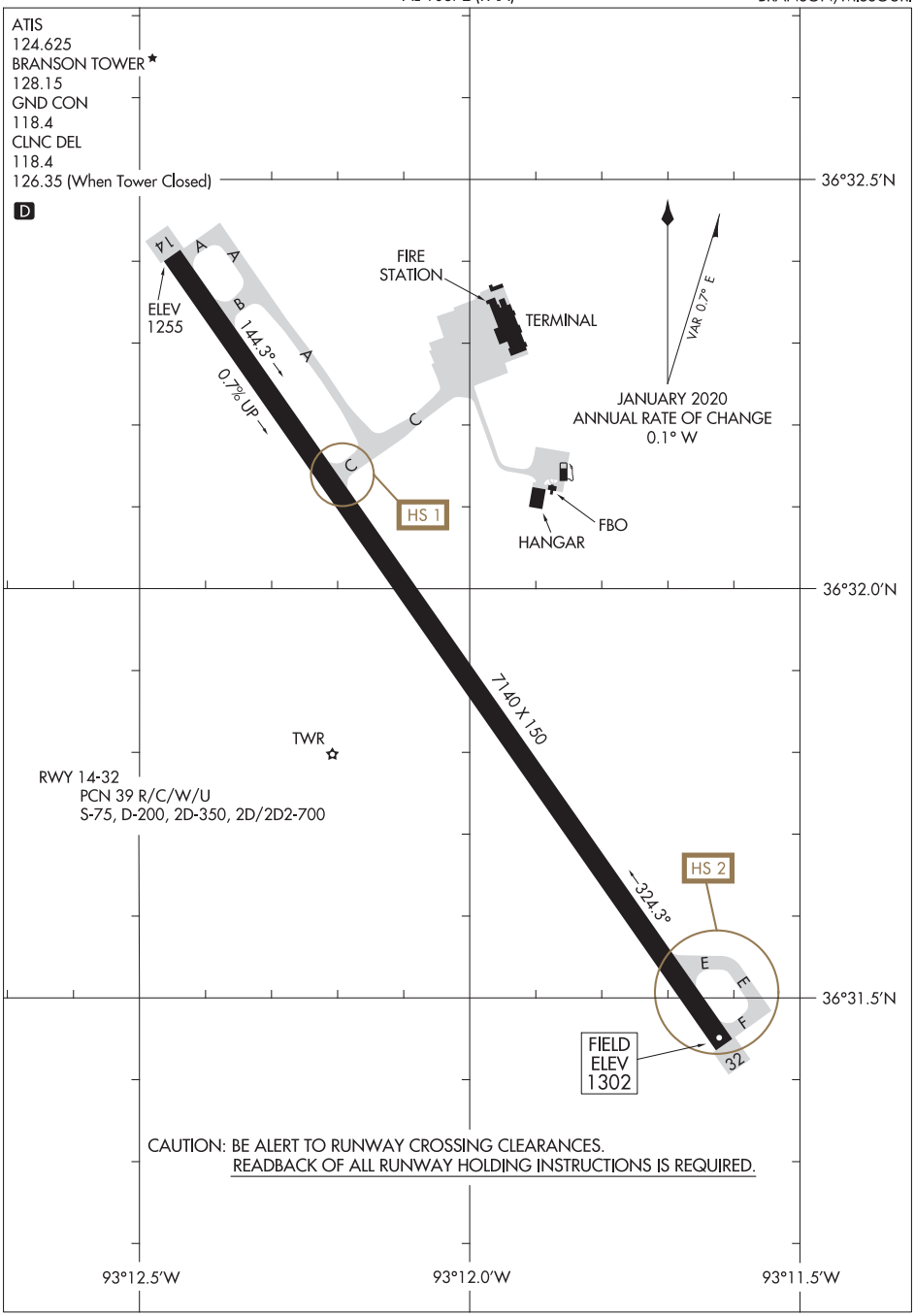




CATEGORY	A	B	C	D
LPV DA	1502-1 200 (200-1)			
LNAV/VNAV DA	1757-1½ 455 (500-1½)			
LNAV MDA	1700-1 398 (400-1)			1700-1¼ 398 (400-1¼)
CIRCLING	1760-1 457 (500-1)	1780-1 477 (500-1)	1780-1½ 477 (500-1½)	2000-2¼ 697 (700-2¼)

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021



AIRPORT DIAGRAM
20086
BRANSON, MISSOURI
BRANSON (BBG)
NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021
43

BRANSON, MISSOURI | AL-5750 (FAA) | 20310

WAAS CH 78220 W12A	APP CRS 117°	Rwy ldg 3449 TDZE 940 Apt Elev 940

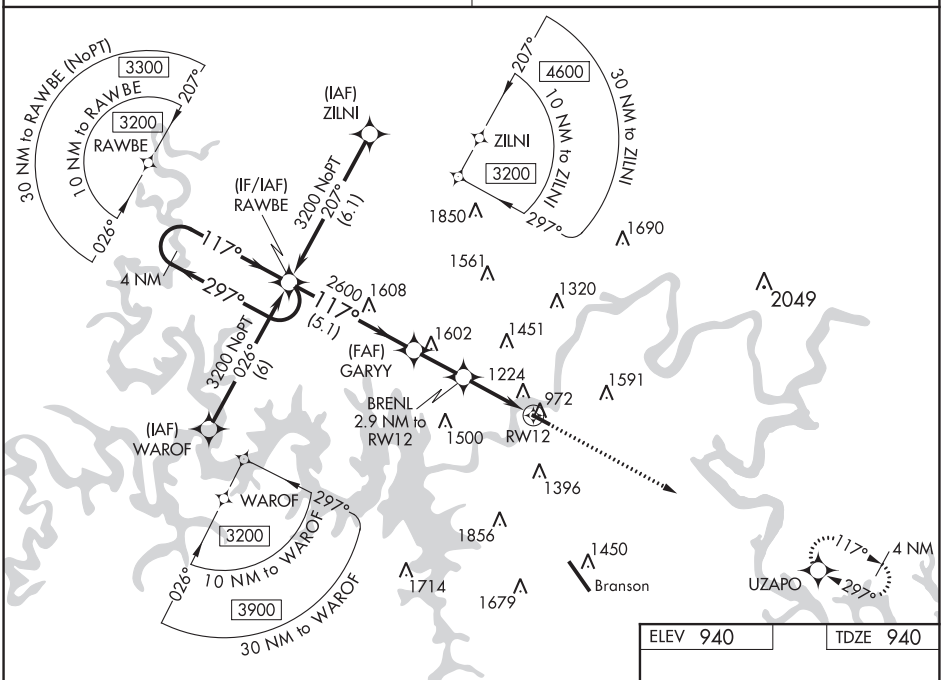
RNAV (GPS) RWY 12
M GRAHAM CLARK DOWNTOWN (PLK)

T
A NA

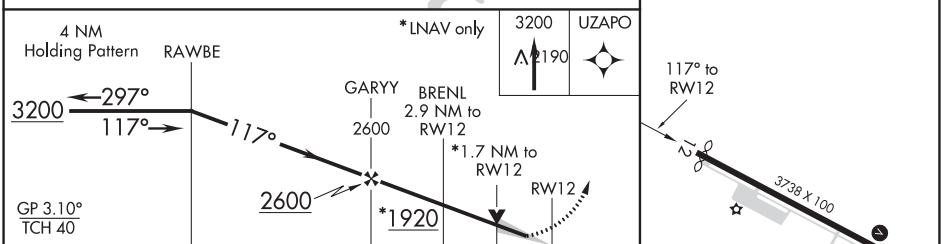
Baro-VNAV NA when using Branson altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. VDP NA with Branson altimeter setting. Obtain local altimeter setting on CTAF; when not received, use Branson altimeter setting and increase all DA 65 feet and all MDA 80 feet; increase LPV all Cats visibility ⅛ mile and LNAV/VNAV all Cats visibility ¼ mile.

MISSED APPROACH: Climb to 3200 direct UZAPO and hold.

SPRINGFIELD APP CON	UNICOM
126.35	122.7 (CTAF) L



ELEV 940	TDZE 940



CATEGORY	A	B	C	D
LPV DA	1140-¾ 200 (200-¾)		NA	
LNAV/VNAV DA	1416-1⅝ 476 (500-1⅝)		NA	
LNAV MDA	1540-1 600 (600-1)		NA	
CIRCLING	1560-1 620 (700-1)		NA	

REIL Rwys 12 and 30 L
MIRL Rwy 12-30 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

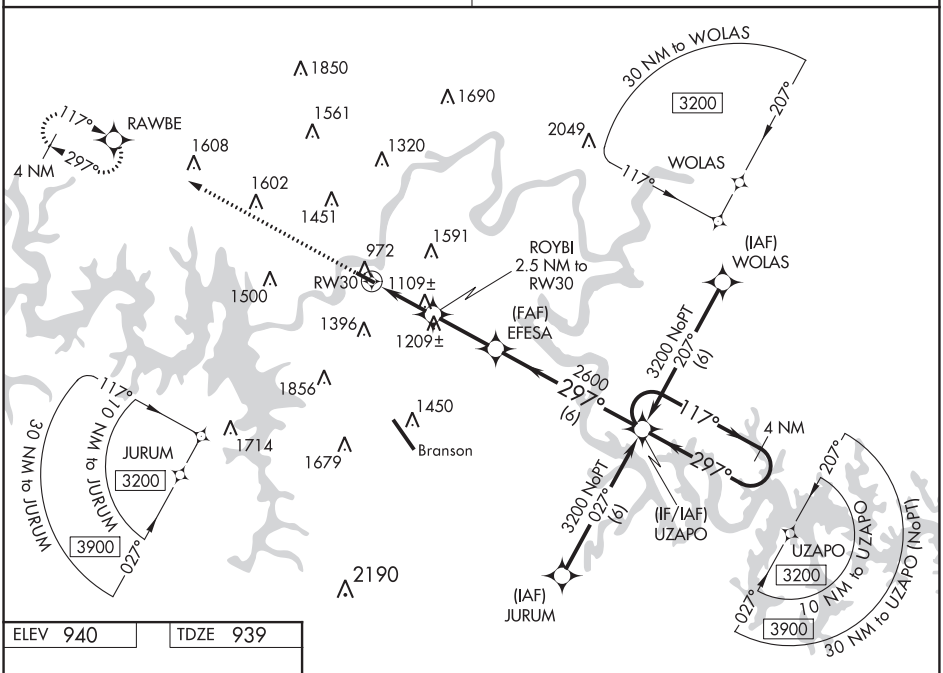
WAAS CH 50420 W30A	APP CRS 297°	Rwy ldg 3428 TDZE 939 Apt Elev 940

RNAV (GPS) RWY 30
M GRAHAM CLARK DOWNTOWN (PLK)

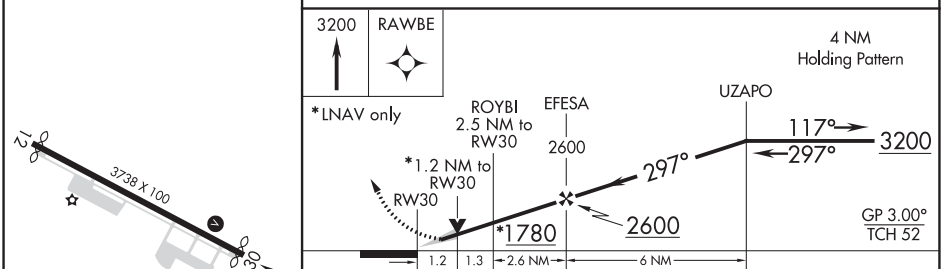
T NA Baro-VNAV NA when using Branson altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. VDP NA with KBBG altimeter setting. Obtain local altimeter setting on CTAF; when not received, use Branson altimeter setting and increase all DA 65 feet and all MDA 80 feet; increase LPV and LNAV/VNAV all Cats visibility ¼ mile.

MISSED APPROACH: Climb to 3200 direct RAWBE and hold.

SPRINGFIELD APP CON	UNICOM
126.35	122.7 (CTAF) L



ELEV 940 TDZE 939



CATEGORY		A	B	C	D
LPV	DA	1189-¾ 250 (300-¾)		NA	
LNAV/VNAV	DA	1224-⅞ 285 (300-⅞)		NA	
LNAV MDA		1360-1 421 (500-1)		NA	
CIRCLING		1560-1 620 (700-1)		NA	

REIL Rwys 12 and 30 L
MIRL Rwy 12-30 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 72726 W03A	APP CRS 034°	Rwy ldg 5002 TDZE 1308 Apt Elev 1348

RNAV (GPS) RWY 3

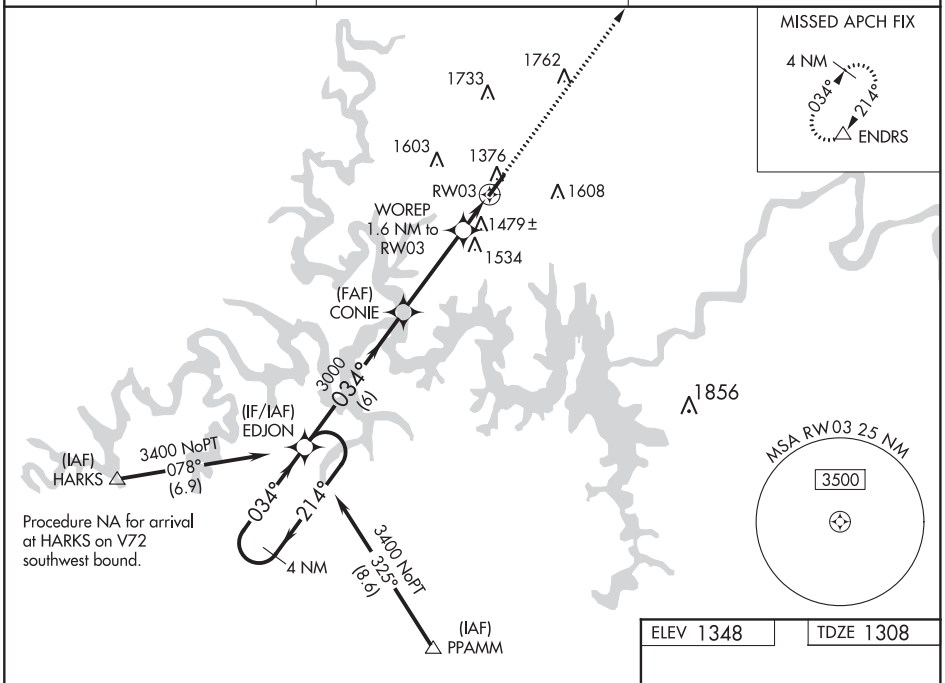
BRANSON WEST MUNI - EMERSON FIELD (FWB)

T NA

DME/DME RNP-0.3 NA. When local altimeter setting not received, use Branson altimeter setting; increase all DA 39 feet and all MDA 40 feet; increase LNAV/VNAV Cat A/B visibility to 1⅞ mile. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). Baro-VNAV NA when using Branson altimeter setting.

MISSED APPROACH: Climb to 3000 direct ENDRS and hold.

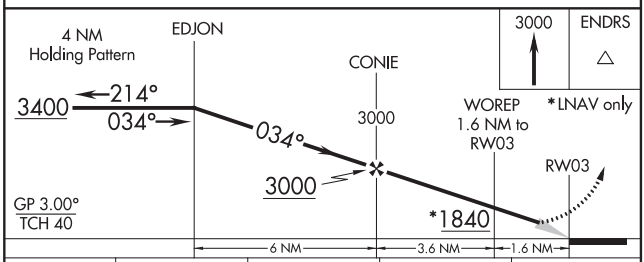
AWOS-3	SPRINGFIELD APP CON	UNICOM
119.725	126.35	123.0 (CTAF) L



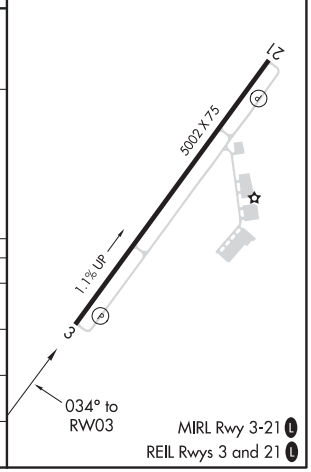
NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

ELEV 1348 TDZE 1308



CATEGORY	A	B	C	D
LPV DA	1508-1 200 (200-1)		NA	
LNAV/VNAV DA	1813-1¾ 505 (500-1¾)		NA	
LNAV MDA	1740-1 432 (400-1)		NA	
CIRCLING	1900-1 552 (600-1)		NA	



WAAS CH 86426 W21A	APP CRS 214°	Rwy ldg 5002 TDZE 1348 Apt Elev 1348

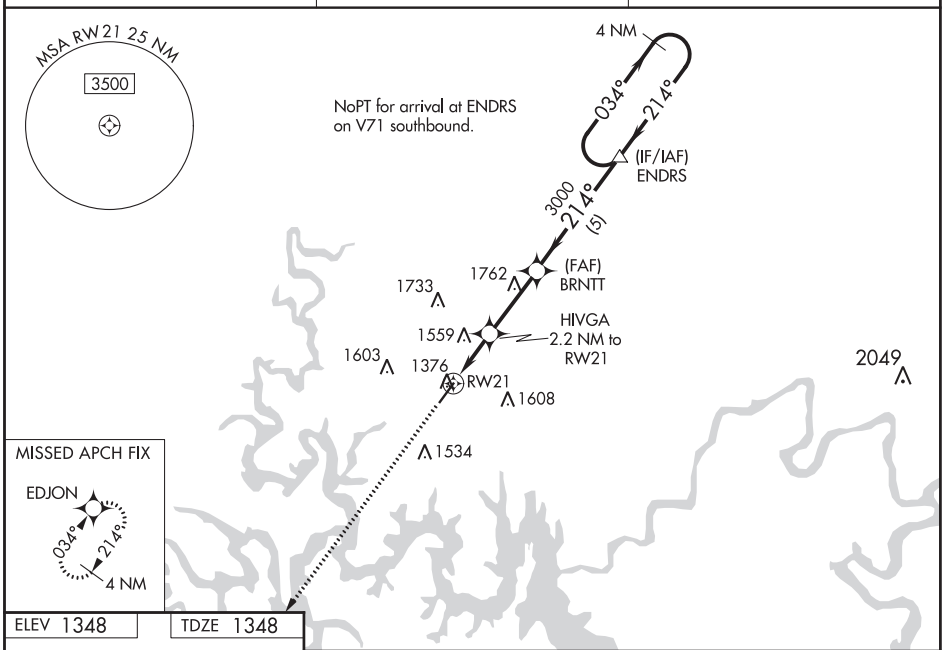
RNAV (GPS) RWY 21
BRANSON WEST MUNI - EMERSON FIELD (FWB)

T NA

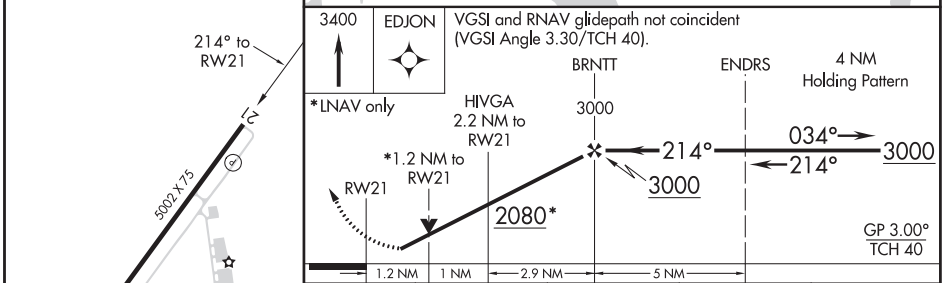
DME/DME RNP-0.3 NA. Helicopter visibility reduction below ¾ SM NA. When local altimeter setting not received, use Branson altimeter setting; increase all DA 39 feet and all MDA 40 feet; increase LPV Cat A/B visibility to 1 mile and LNAV/VNAV Cat A/B visibility to 1¾. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). VDP and Baro-VNAV NA when using Branson altimeter setting.

MISSED APPROACH: Climb to 3400 direct EDJON and hold.

AWOS-3	SPRINGFIELD APP CON	UNICOM
119.725	126.35	123.0 (CTAF) L



ELEV 1348 TDZE 1348



CATEGORY	A	B	C	D
LPV DA	1598-1 250 (300-1)		NA	
LNAV/VNAV DA	1832-1⅝ 485 (500-1⅝)		NA	
LNAV MDA	1800-1 452 (500-1)		NA	
CIRCLING	1900-1 552 (600-1)		NA	

MIRL Rwy 3-21 L
REIL Rwys 3 and 21 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

BROOKFIELD, MISSOURI AL-10261 (FAA) 20030

WAAS CH 56538 W18A	APP CRS 181°	Rwy ldg 5002 TDZE 845 Apt Elev 845

RNAV (GPS) RWY 18
NORTH CENTRAL MISSOURI RGNL (MO8)

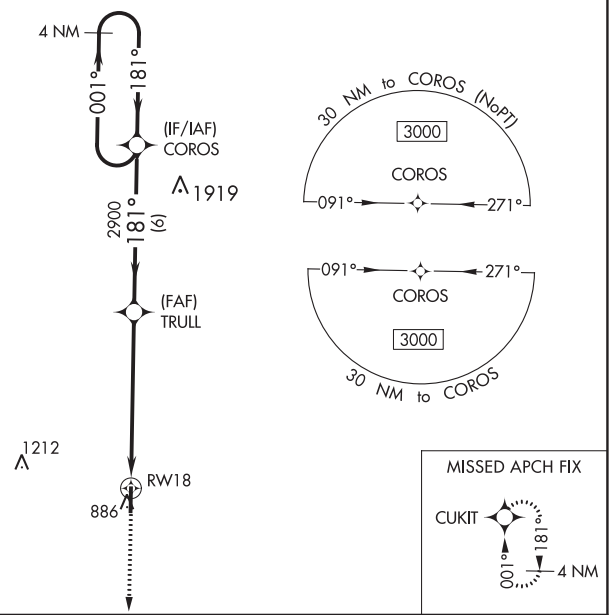
RNP APCH.

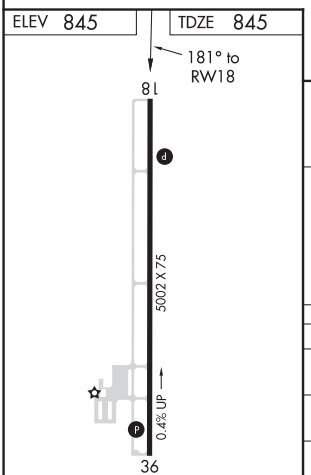
NA

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C or above 54°C. Baro-VNAV and VDP NA when using Kirksville altimeter setting. When local altimeter setting not received, use Kirksville altimeter setting and increase LPV and LNAV/VNAV DA all Cats to 1179 feet and increase visibility ⅛ mile all Cats; increase all MDA 100 feet and increase LNAV Cat C/D visibility ⅜ mile and Circling Cat C visibility ¼ mile. Rwy 18 helicopter visibility reduction below ¾ SM NA.

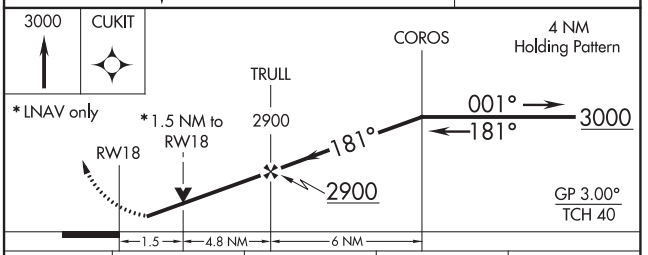
MISSED APPROACH: Climb to 3000 direct CUKIT and hold.

AWOS-AV	KANSAS CITY CENTER	CTAF
118.425	125.25 235.975	122.9 L





REIL Rwys 18 and 36 L
MIRL Rwy 18-36 L



CATEGORY	A	B	C	D
LPV DA	1095-1 250 (300-1)			
LNAV/VNAV DA	1095-1 250 (300-1)			
LNAV MDA	1360-1 515 (600-1)		1360-1⅜ 515 (600-1⅜)	
C CIRCLING	1360-1 515 (600-1)		1360-1½ 515 (600-1½)	1400-2 555 (600-2)

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 93715 W36A	APP CRS 001°	Rwy ldg 5002 TDZE 835 Apt Elev 845

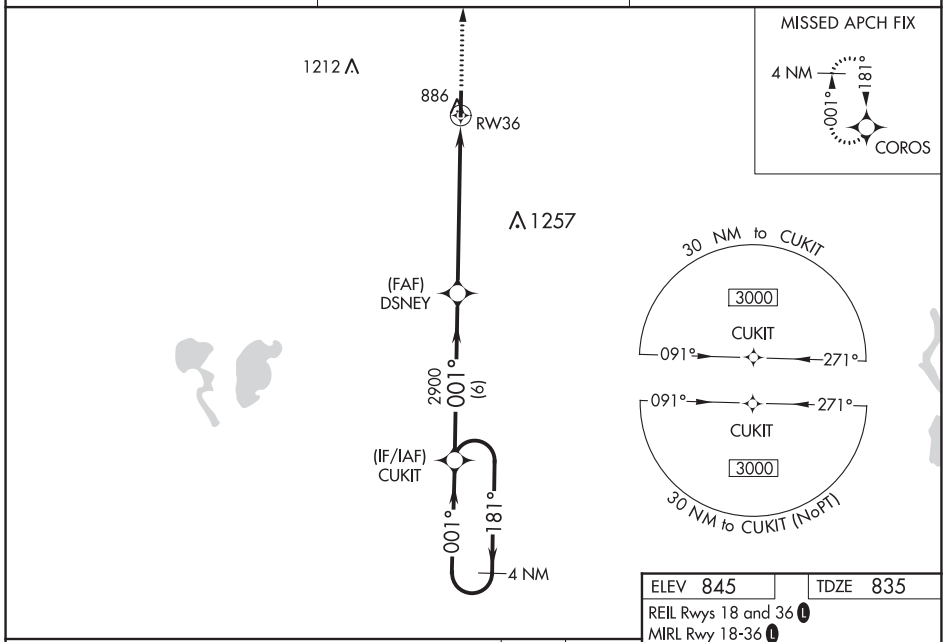
RNAV (GPS) RWY 36
NORTH CENTRAL MISSOURI RGNL (MO8)

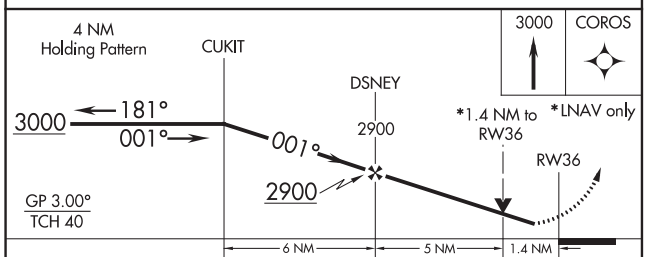
RNP APCH.

T A NA For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C or above 54°C. Baro-VNAV and VDP NA when using Kirksville altimeter setting. When local altimeter setting not received, use Kirksville altimeter setting and increase all LPV and LNAV/VNAV DA to 1169 feet and increase all visibility ⅛ mile; increase all MDA 100 feet, increase LNAV Cat C/D visibility ¼ mile, and Circling Cat C visibility ⅛ mile. Rwy 36 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 3000 direct COROS and hold.

AWOS-AV	KANSAS CITY CENTER	CTAF
118.425	125.25 235.975	122.9 L



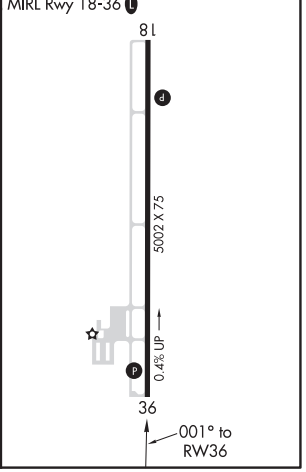


CATEGORY	A	B	C	D
LPV DA	1085-1 250 (300-1)			
LNAV/VNAV DA	1085-1 250 (300-1)			
LNAV MDA	1300-1 465 (500-1)		1300-1⅜ 465 (500-1⅜)	
C CIRCLING	1300-1 455 (500-1)		1300-1½ 455 (500-1½)	1400-2 555 (600-2)

ELEV 845 TDZE 835

REIL Rwys 18 and 36 L

MIRL Rwy 18-36 L



NC-3, 25 FEB 2021 to 22 APR 2021

LOC I-BRL	APP CRS	Rwy ldg	6102
108.9	359°	TDZE	694
		Apt Elev	698

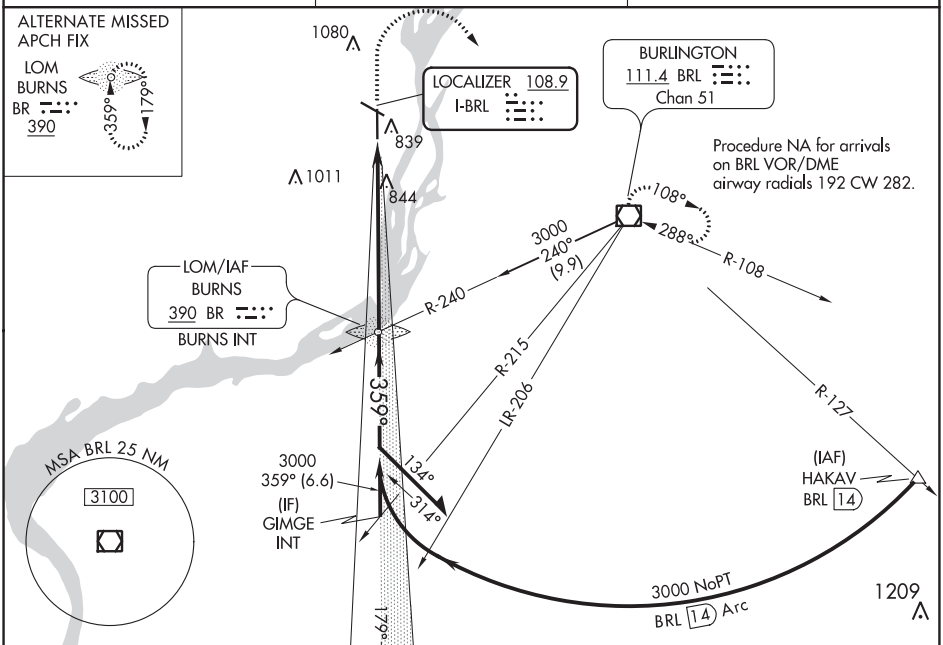
ILS or LOC RWY 36
SOUTHEAST IOWA RGNL (BRL)

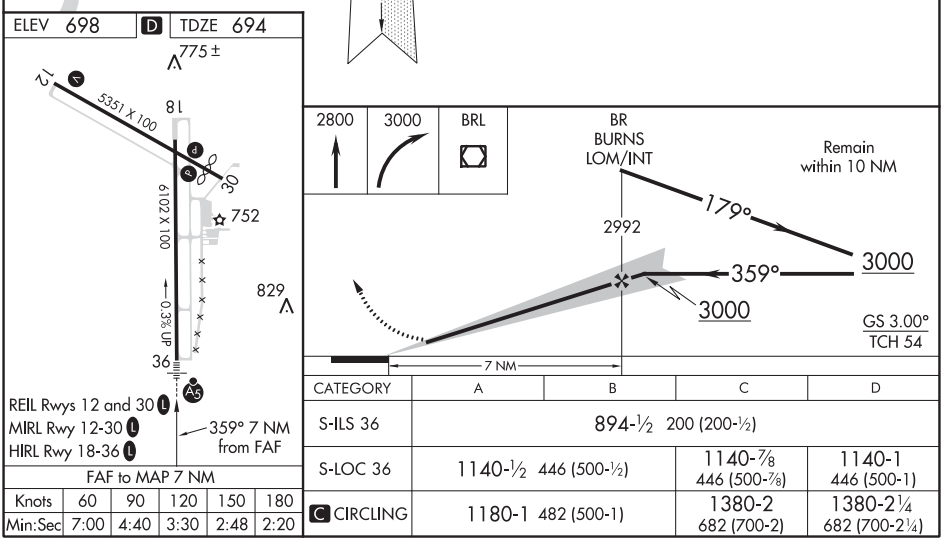
NA
-28°C/-18°F

MALSR

MISSED APPROACH: Climb to 2800 then climbing right turn to 3000 direct BRL VOR/DME and hold.

ASOS	CHICAGO CENTER	UNICOM
118.025	135.6 370.95	123.0 (CTAF)





FAF to MAP 7 NM

Knots	60	90	120	150	180
Min:Sec	7:00	4:40	3:30	2:48	2:20

CATEGORY	A	B	C	D
S-ILS 36	894-½ 200 (200-½)			
S-LOC 36	1140-½ 446 (500-½)		1140-⅞ 446 (500-⅞)	1140-1 446 (500-1)
C CIRCLING	1180-1 482 (500-1)		1380-2 682 (700-2)	1380-2¼ 682 (700-2¼)

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 48834 W12A	APP CRS 118°	Rwy ldg 5350 TDZE 693 Apt Elev 698

RNAV (GPS) RWY 12
SOUTHEAST IOWA RGNL (BRL)

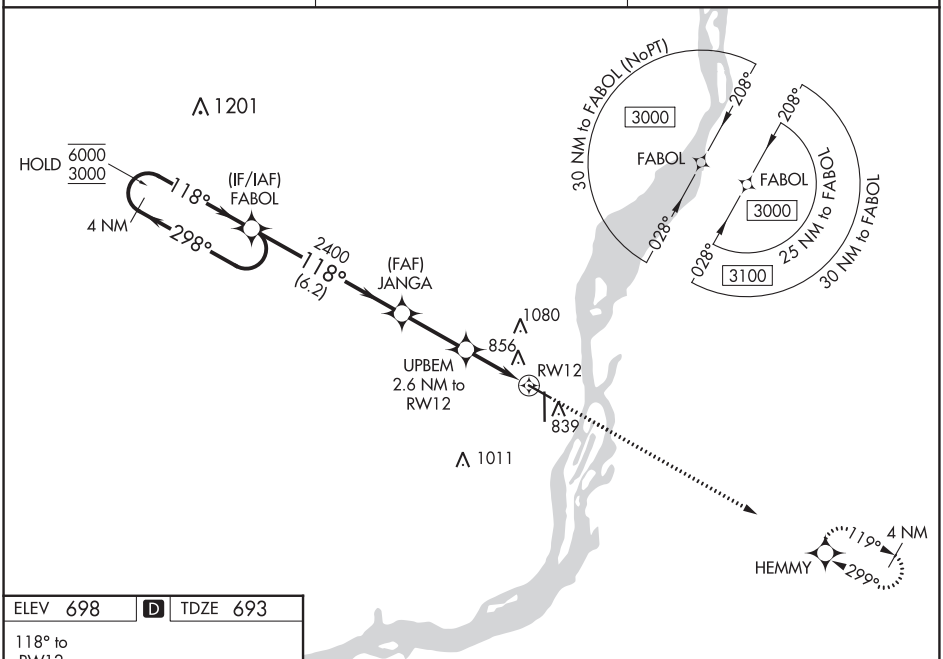
RNP APCH.

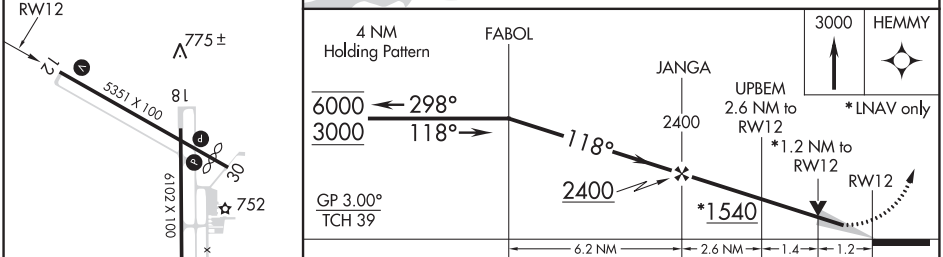
-28°C/-18°F

For uncompensated Baro-VNAV systems, procedure NA below -21°C or above 54°C.

MISSED APPROACH: Climb to 3000 direct HEMMY and hold.

ASOS	CHICAGO CENTER	UNICOM
118.025	135.6 370.95	123.0 (CTAF)





CATEGORY	A	B	C	D
LPV DA	943-1 250 (300-1)			NA
LNAV/VNAV DA	1017-1⅛ 324 (400-1⅛)			NA
LNAV MDA	1120-1 427 (500-1)		1120-1¼ 427 (500-1¼)	NA
C CIRCLING	1180-1 482 (500-1)		1380-2 682 (700-2)	NA

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 45535 W30A	APP CRS 299°	Rwy ldg 4850 TDZE 697 Apt Elev 698

RNAV (GPS) RWY 30
SOUTHEAST IOWA RGNL (BRL)

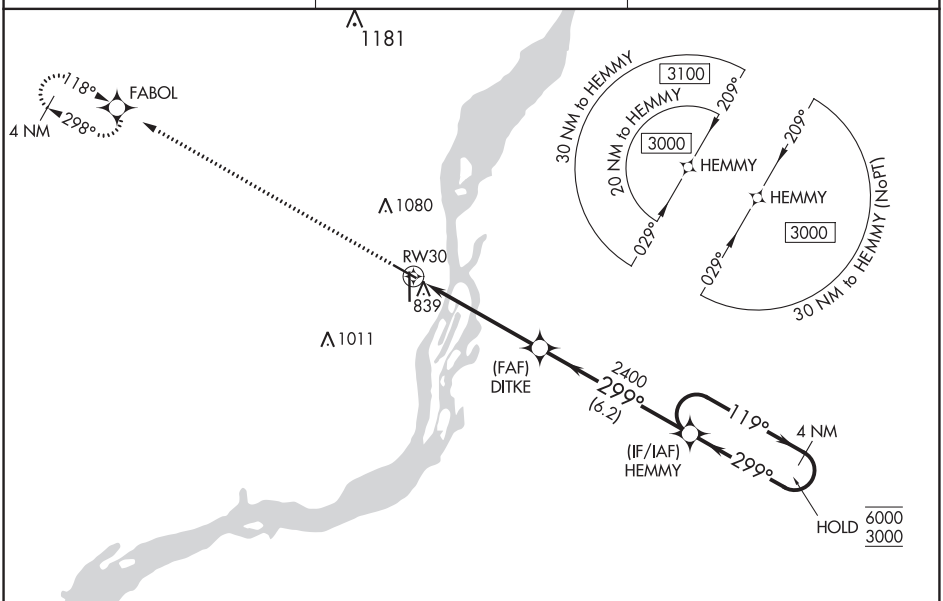
RNP APCH.

T
A
-28°C/-18°F

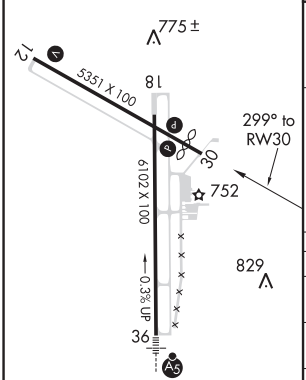
Rwy 30 helicopter visibility reduction below ¾ SM NA.
For uncompensated Baro-VNAV systems, procedure NA below -21°C or above 54°C.

MISSED APPROACH: Climb to 3000 direct FABOL and hold.

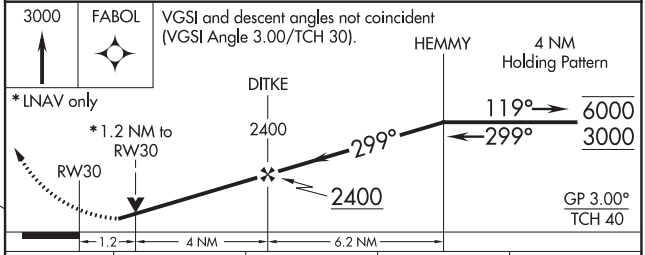
ASOS	CHICAGO CENTER	UNICOM
118.025	135.6 370.95	123.0 (CTAF) L



ELEV 698 | D | TDZE 697



REIL Rwys 12 and 30 L
MIRL Rwy 12-30 L
HIRL Rwy 18-36 L



CATEGORY	A	B	C	D
LPV DA	995-1 298 (300-1)			NA
LNAV/VNAV DA	989-1 292 (300-1)			NA
LNAV MDA	1100-1 403 (500-1)		1100-1⅛ 403 (500-1⅛)	NA
C CIRCLING	1180-1 482 (500-1)		1380-2 682 (800-2)	NA

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 42711 W36A	APP CRS 359°	Rwy ldg 6102 TDZE 694 Apt Elev 698

RNAV (GPS) RWY 36
SOUTHEAST IOWA RGNL (BRL)

RNP APCH.

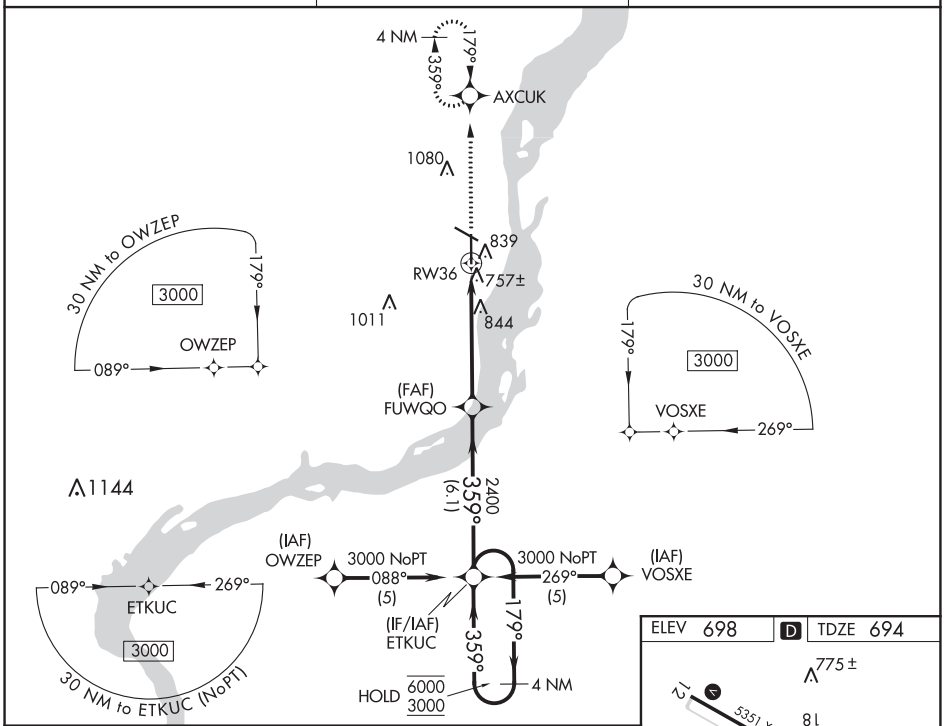
-28°C/-18°F

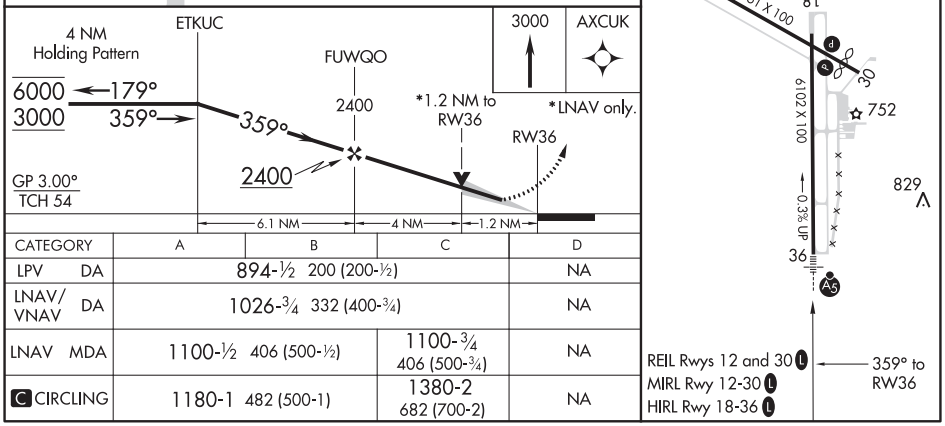
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C or above 54°C.

MALSR

MISSED APPROACH: Climb to 3000 direct AXCUK and hold, continue climb-in-hold to 3000.

ASOS	CHICAGO CENTER	UNICOM
118.025	135.6 370.95	123.0 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	894-½ 200 (200-½)			NA
LNAV/VNAV DA	1026-¾ 332 (400-¾)			NA
LNAV MDA	1100-½ 406 (500-½)		1100-¾ 406 (500-¾)	NA
C CIRCLING	1180-1 482 (500-1)		1380-2 682 (700-2)	NA

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

BURLINGTON, IOWA | AL-69 (FAA) | 20366

VOR RWY 12
SOUTHEAST IOWA RGNL(BRL)

VOR/DME BRL 111.4 Chan 51	APP CRS 108°	Rwy ldg 5350 TDZE 693 Apt Elev 698

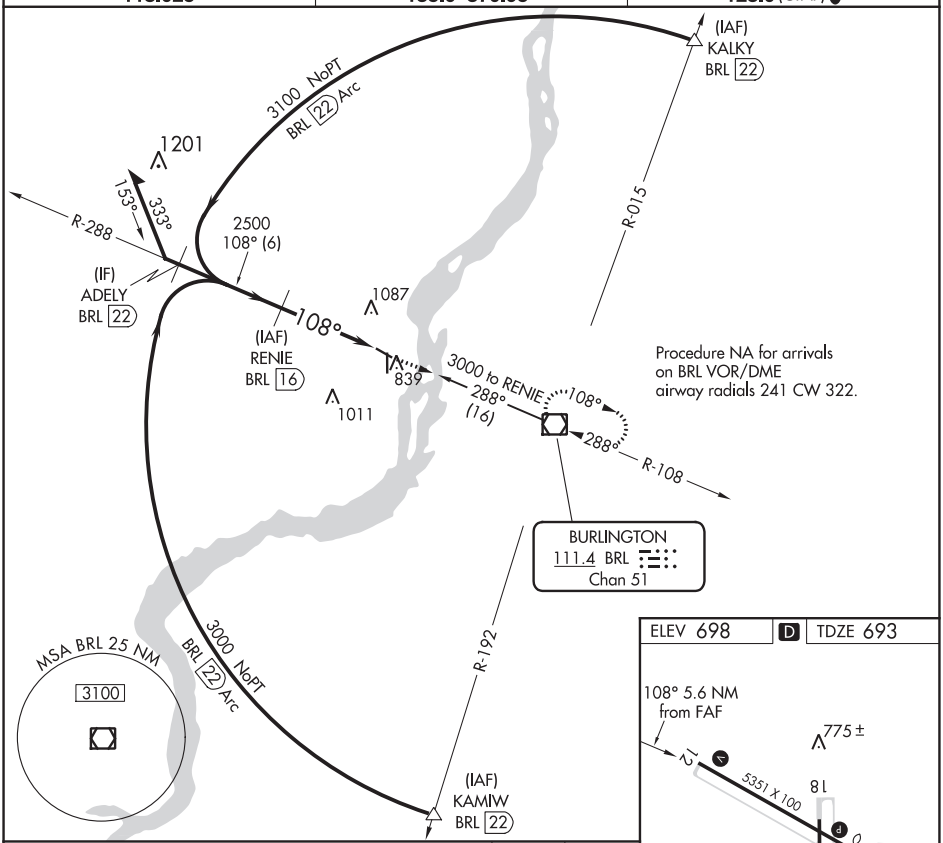
DME required.

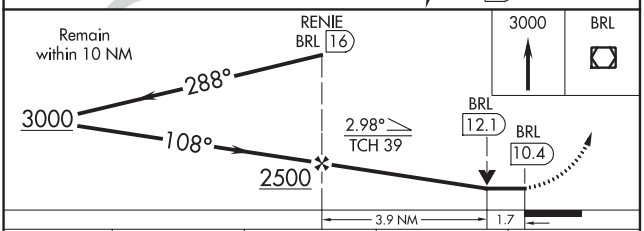
T

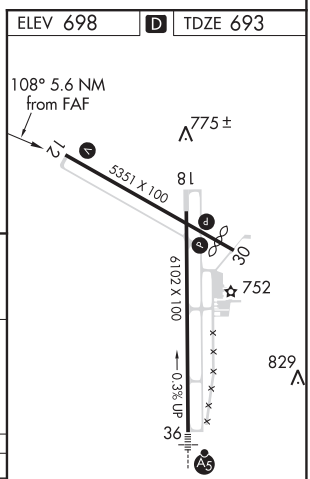
-28°C/-18°F

MISSED APPROACH: Climb to 3000 direct BRL VOR/DME and hold.

ASOS	CHICAGO CENTER	UNICOM
118.025	135.6 370.95	123.0 (CTAF) L







CATEGORY	A	B	C	D
S-12	1280-1	587 (600-1)	1280-1¾ 587 (600-1¾)	NA
C CIRCLING	1280-1	582 (600-1)	1380-2 682 (700-2)	NA

REIL Rwys 12 and 30 L
MIRL Rwy 12-30 L
HIRL Rwy 18-36 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

VOR/DME BRL 111.4 Chan 51	APP CRS 288°	Rwy ldg 4850 TDZE 697 Apt Elev 698

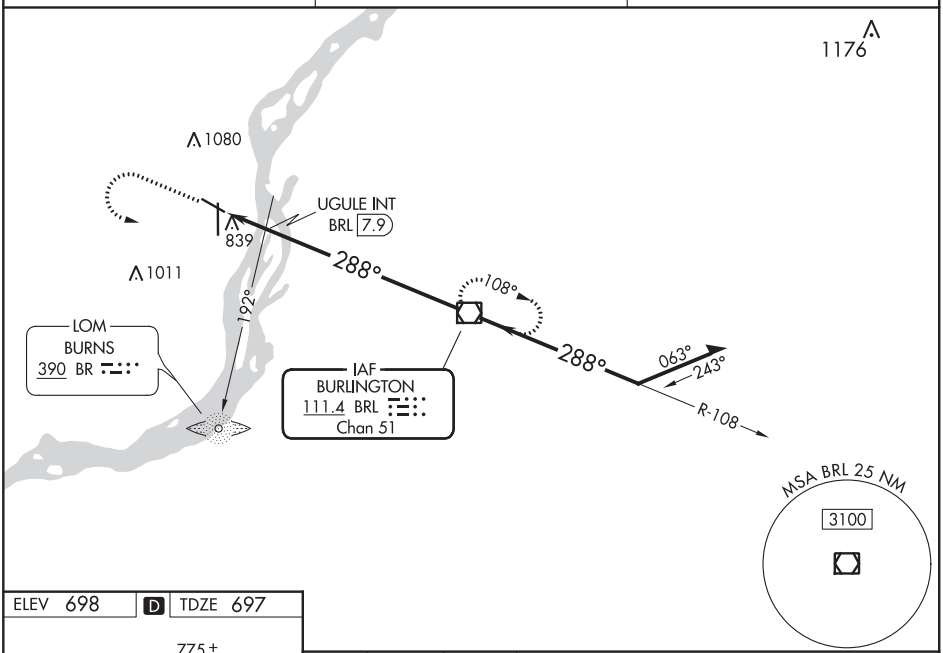
VOR RWY 30
SOUTHEAST IOWA RGNL (BRL)

T A -28°C/-18°F

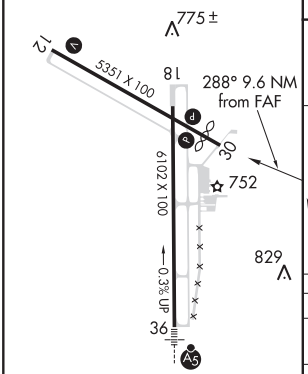
Rwy 30 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 2000 then climbing left turn to 3000 direct BRL VOR/DME and hold.

ASOS	CHICAGO CENTER	UNICOM
118.025	135.6 370.95	123.0 (CTAF) L

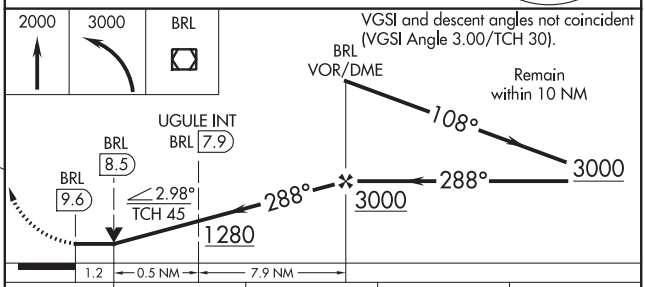


ELEV 698 D TDZE 697



REIL Rwys 12 and 30 L
MIRL Rwy 12-30 L
HIRL Rwy 18-36 L

FAF to MAP 9.6 NM					
Knots	60	90	120	150	180
Min:Sec	9:36	6:24	4:48	3:50	3:12



CATEGORY	A	B	C	D
S-30	1280-1 583 (600-1)		1280-1¾ 583 (600-1¾)	NA
C CIRCLING	1280-1 582 (600-1)		1380-2 682 (700-2)	NA
UGULE FIX MINIMUMS				
S-30	1100-1 403 (500-1)		1100-1⅛ 403 (500-1⅛)	NA
C CIRCLING	1180-1 482 (500-1)		1380-2 682 (700-2)	NA

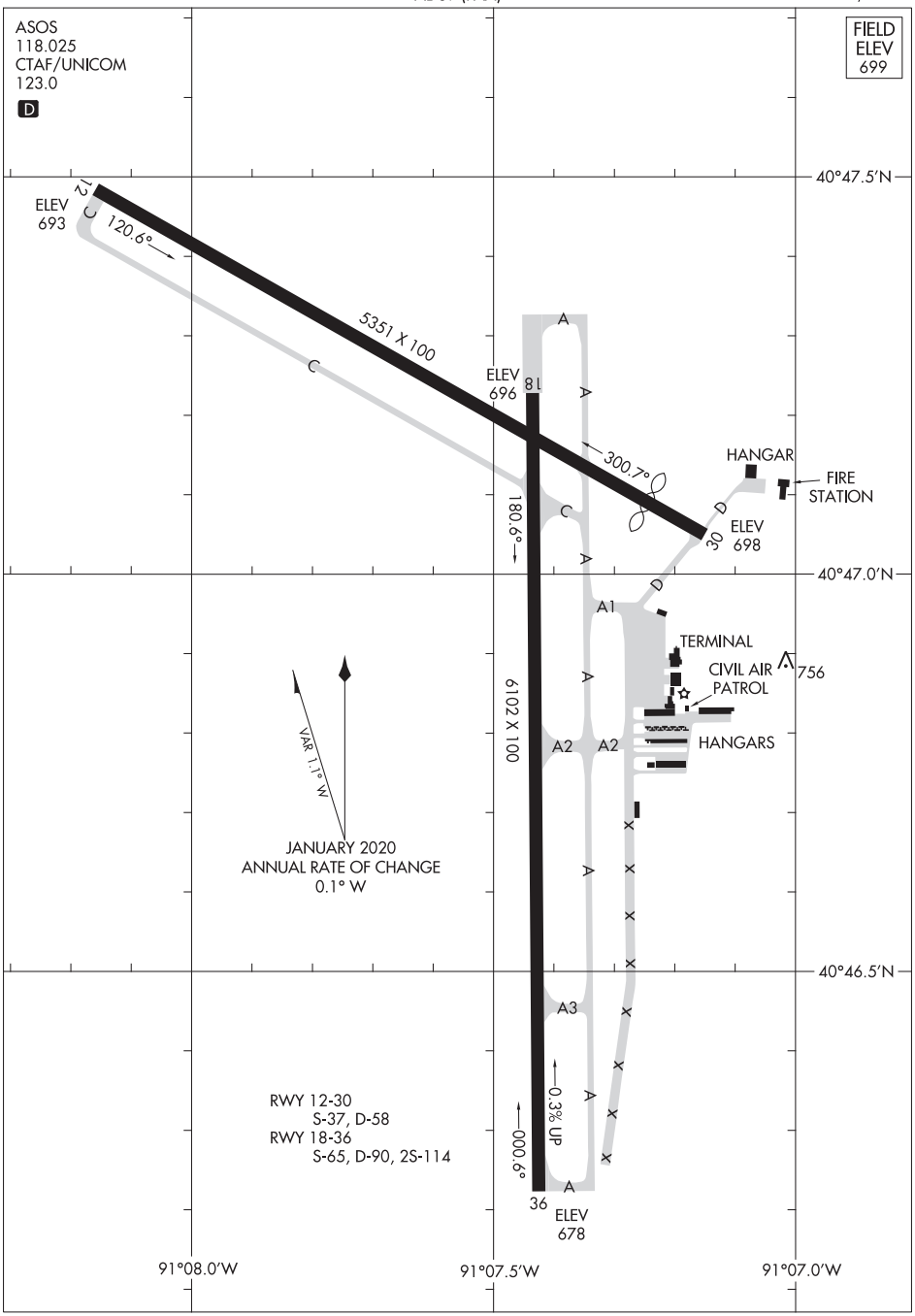
NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

20366

AIRPORT DIAGRAM

SOUTHEAST IOWA RGNL (BRL)
BURLINGTON, IOWA

AL-69 (FAA)



NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

AIRPORT DIAGRAM
20366
BURLINGTON, IOWA
SOUTHEAST IOWA RGNL (BRL)

WAAS CH 82630 W18A	APP CRS 178°	Rwy ldg 3999 TDZE 888 Apt Elev 894

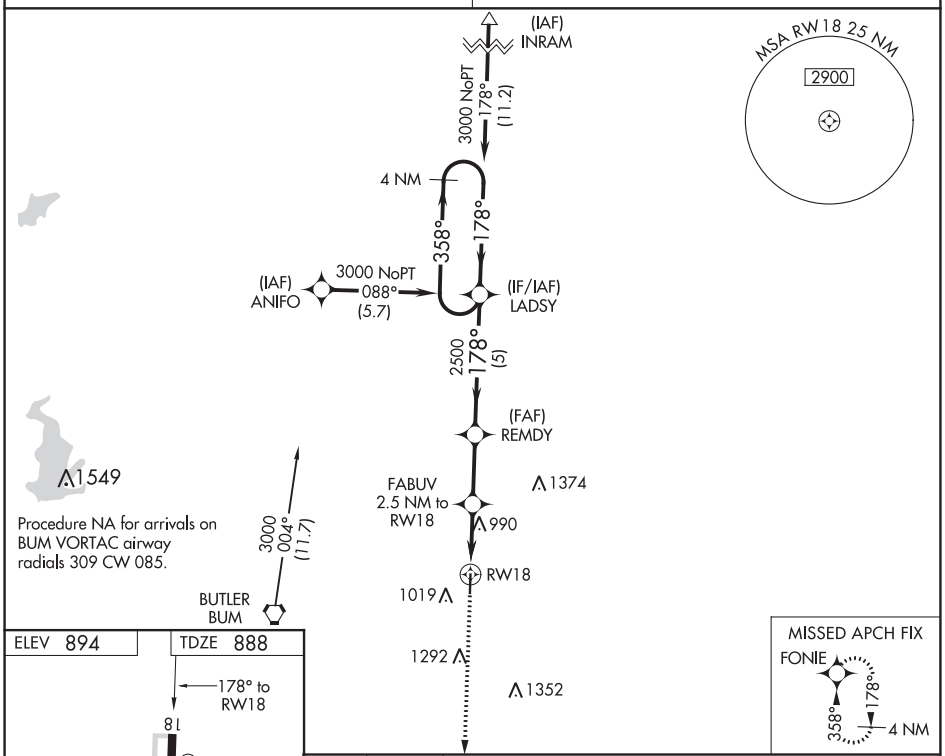
RNAV (GPS) RWY 18
BUTLER MEMORIAL (BUM)

RNP APCH.

NA Baro-VNAV NA. Use Clinton altimeter setting; when not received, use Charles B Wheeler Downtown altimeter setting and increase all DA/MDA 60 feet, increase LPV and LNAV/VNAV all Cats visibility ¼ mile.

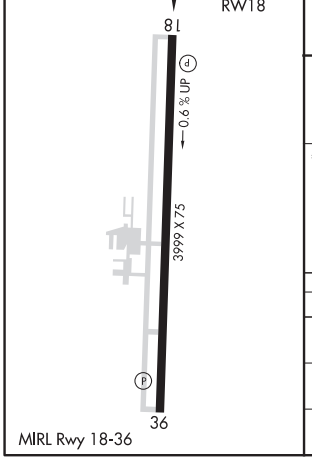
MISSED APPROACH: Climb to 4000 direct FONIE and hold, continue climb in hold to 4000.

KANSAS CITY CENTER	CTAF
125.55 327.0	122.9

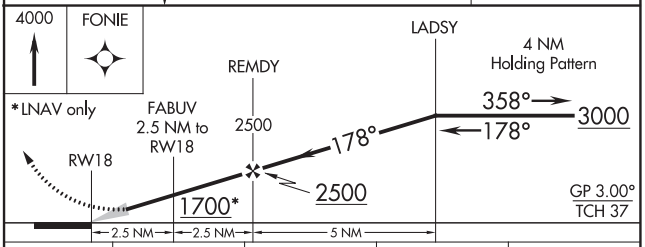


Procedure NA for arrivals on BUM VORTAC airway radials 309 CW 085.

ELEV 894	TDZE 888



MIRL Rwy 18-36



CATEGORY	A	B	C	D
LPV DA	1220-1⅛ 332 (400-1⅛)		NA	
LNAV/VNAV DA	1220-1⅛ 332 (400-1⅛)		NA	
LNAV MDA	1340-1 452 (500-1)		NA	

BUTLER, MISSOURI | AL-964 (FAA) | 20310

RNAV (GPS) RWY 36
BUTLER MEMORIAL (BUM)

WAAS CH 90530 W36A	APP CRS 358°	Rwy ldg 3999 TDZE 894 Apt Elev 894

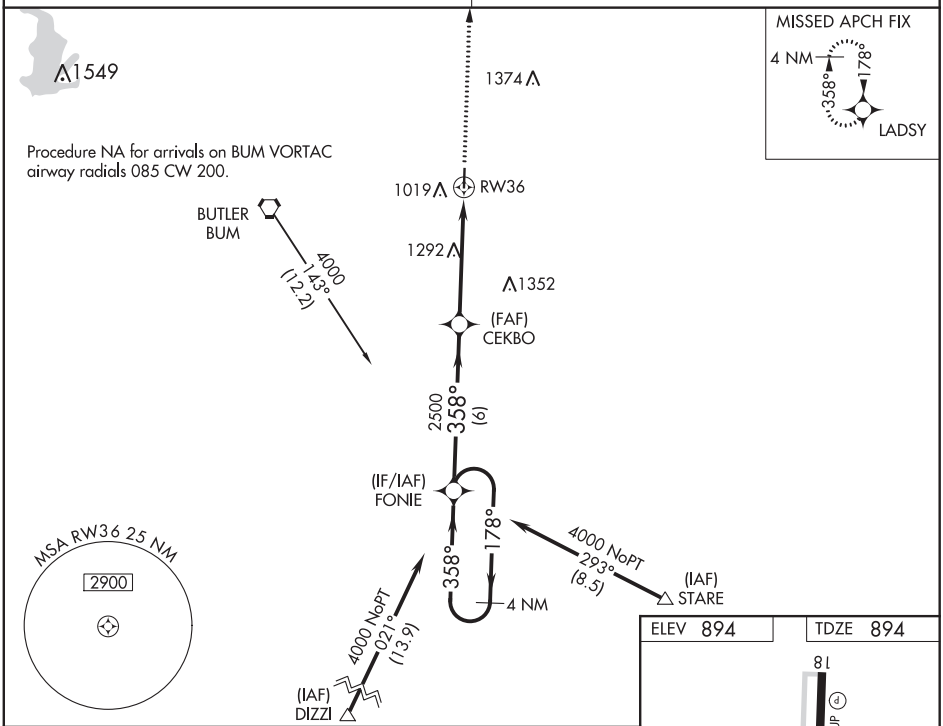
RNP APCH.

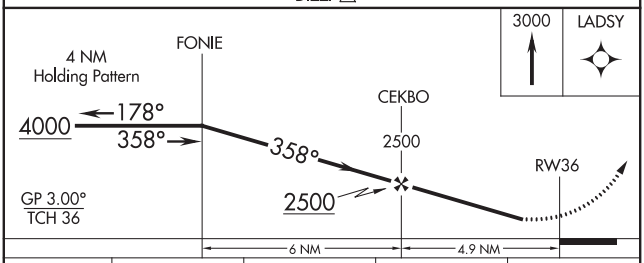
NA

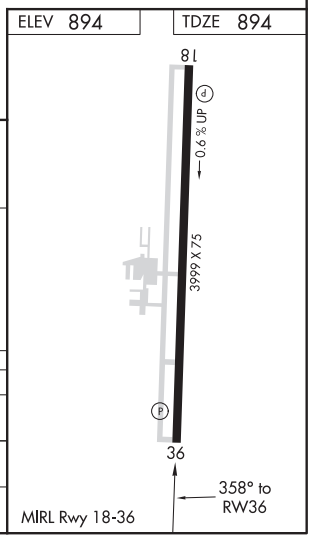
Baro-VNAV NA. Use Clinton altimeter setting; when not received, use Charles B Wheeler Downtown altimeter setting and increase all DA/MDA 60 feet, increase LPV and LNAV/VNAV all Cats visibility ¼ mile. Rwy 36 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 3000 direct LADSY and hold.

KANSAS CITY CENTER	CTAF
125.55 327.0	122.9







CATEGORY	A	B	C	D
LPV DA	1226-1⅛ 332 (400-1⅛)		NA	
LNAV/VNAV DA	1523-2¼ 629 (700-2¼)		NA	
LNAV MDA	1640-1 746 (800-1)	1640-1¼ 746 (800-1¼)	NA	

BUTLER, MISSOURI
Orig-B 18JUL19

38°17′N-94°20′W

BUTLER MEMORIAL (BUM)
RNAV (GPS) RWY 36

NC-3, 25 FEB 2021 to 22 APR 2021

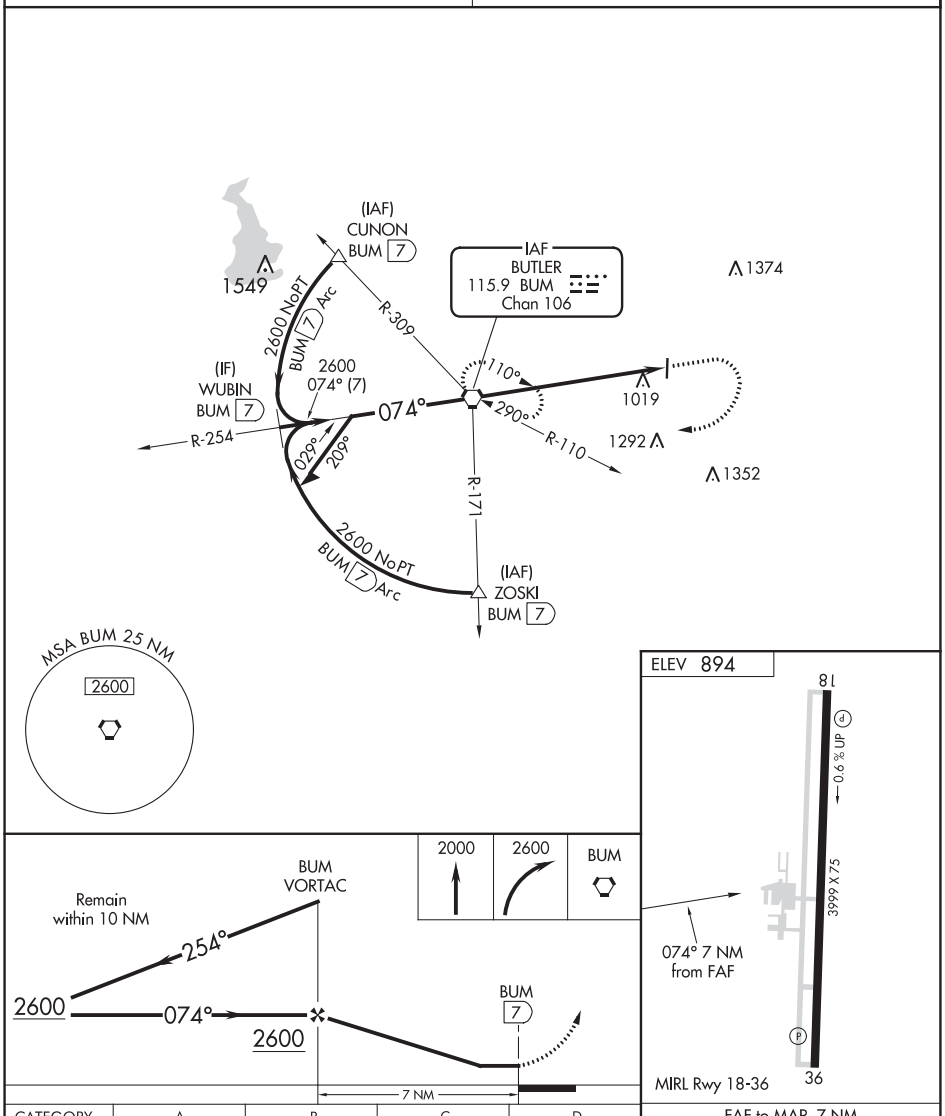
VORTAC BUM 115.9 Chan 106	APP CRS 074°	Rwy ldg N/A TDZE N/A Apt Elev 894

VOR-A
BUTLER MEMORIAL (BUM)

T A NA Use Clinton altimeter setting; when not received, use Charles B Wheeler Downtown altimeter setting and increase all MDA 60 feet.

MISSED APPROACH: Climb to 2000 then climbing right turn to 2600 direct BUM VORTAC and hold.

KANSAS CITY CENTER	CTAF
125.55 327.0	122.9



CATEGORY	A	B	C	D
C CIRCLING	1480-1 586 (600-1)	1520-1 626 (700-1)	NA	

FAF to MAP 7 NM					
Knots	60	90	120	150	180
Min:Sec	7:00	4:40	3:30	2:48	2:20

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

CABOOL, MISSOURI | AL-6584 (FAA) | 20198

RNAV (GPS) RWY 21
CABOOL MEMORIAL (TVB)

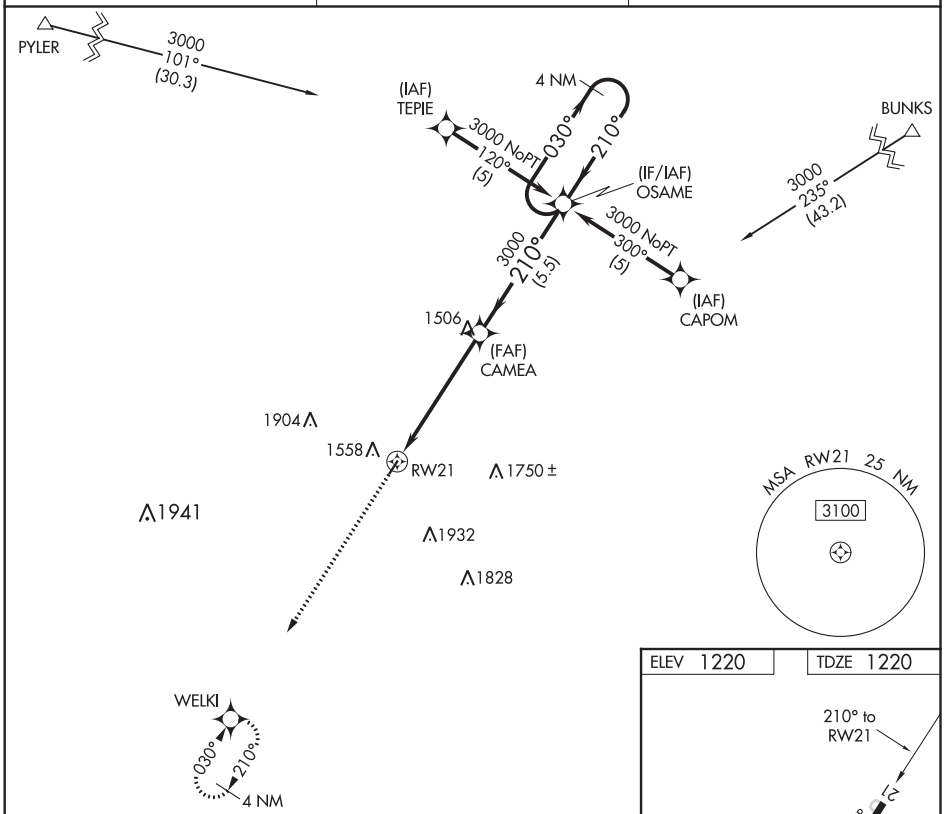
APP CRS	Rwy ldg	3002
210°	TDZE	1220
	Apt Elev	1220

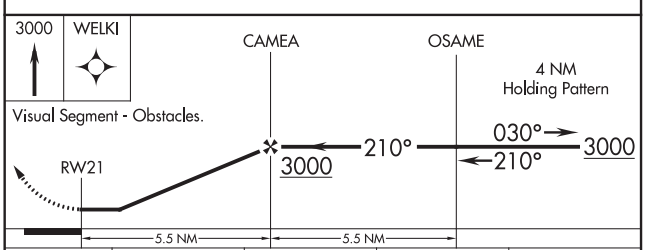
RNP APCH.

Procedure NA at night. Use West Plains altimeter setting.
NA Rwy 21 helicopter visibility reduction below 1 SM NA.

MISSED APPROACH: Climb to 3000 direct WELKI and hold.

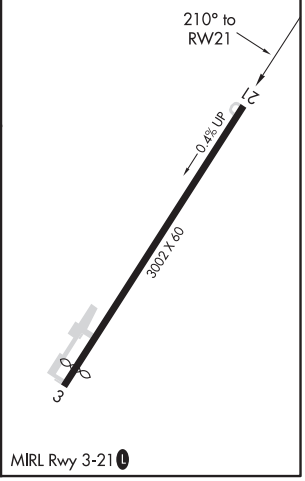
UNO ASOS	KANSAS CITY CENTER	CTAF
123.825	128.35 284.675	122.9 L





CATEGORY	A	B	C	D
LNAV MDA	1960-1 740 (800-1)		NA	
CIRCLING	2020-1 800 (800-1)	2020-1¼ 800 (800-1¼)	NA	

ELEV 1220 | TDZE 1220



MIRL Rwy 3-21 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

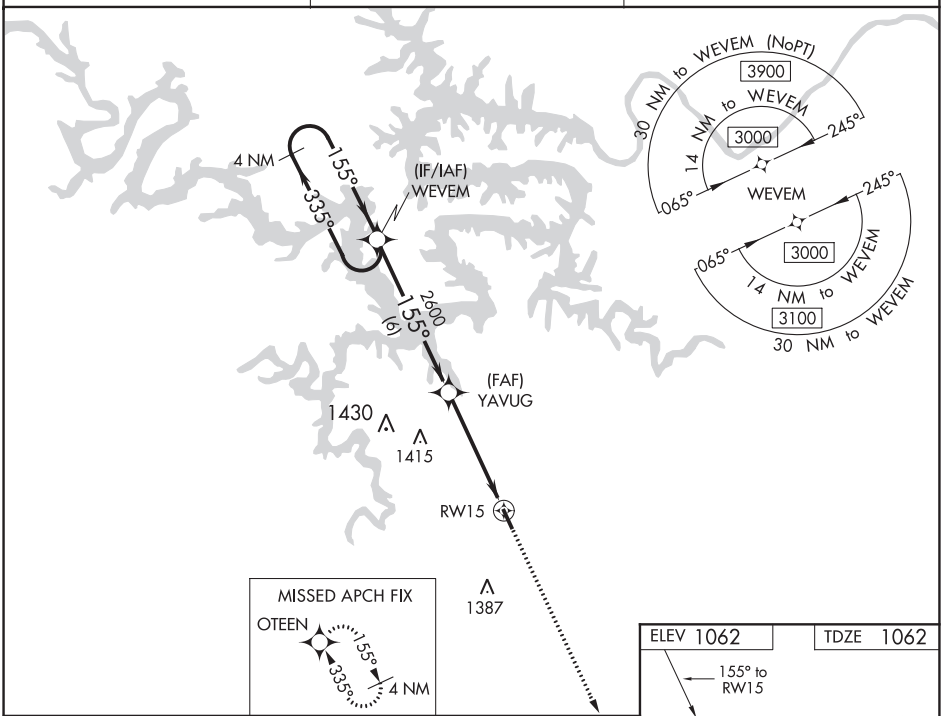
WAAS CH 50219 W15A	APP CRS 155°	Rwy ldg 4000 TDZE 1062 Apt Elev 1062

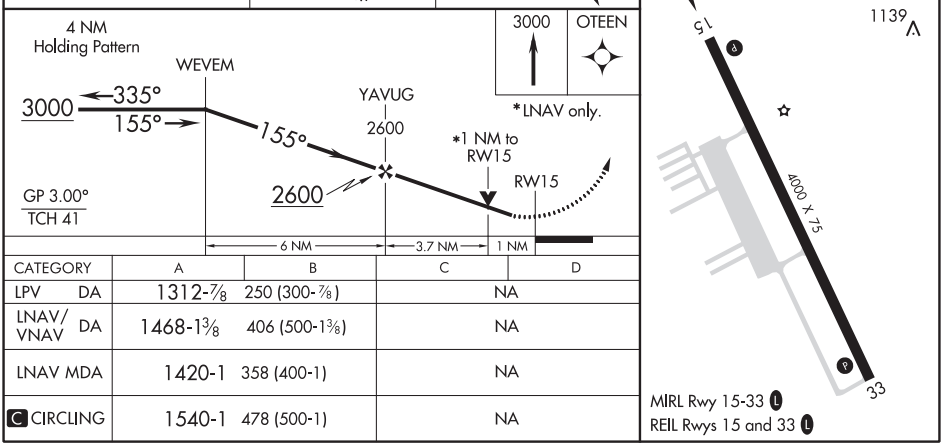
RNAV (GPS) RWY 15
CAMDENTON MEMORIAL-LAKE RGNL (OZS)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Helicopter visibility reduction below ¾ SM NA. When local altimeter setting not received, use Lee C Fine Memorial altimeter setting and increase all DA 50 feet, all MDA 60 feet, and increase LPV and LNAV/VNAV all Cats visibility ⅛ mile. Baro-VNAV and VDP NA when using Lee C Fine Memorial altimeter setting.

MISSED APPROACH: Climb to 3000 direct OTEEN and hold.

AWOS-3	MIZZU APP CON	UNICOM
120.225	124.1 353.7	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1312-⅞	250 (300-⅞)	NA	
LNAV/VNAV DA	1468-1⅜	406 (500-1⅜)	NA	
LNAV MDA	1420-1	358 (400-1)	NA	
C CIRCLING	1540-1	478 (500-1)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021

CAMDENTON, MISSOURI AL-6794 (FAA) 20058

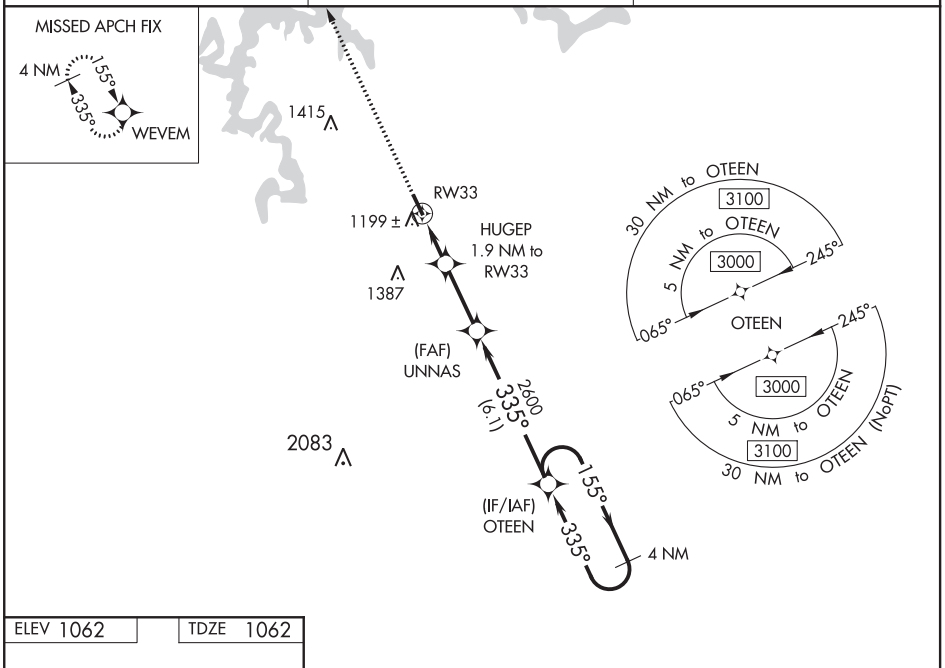
WAAS CH 97419 W33A	APP CRS 335°	Rwy ldg 4000 TDZE 1062 Apt Elev 1062

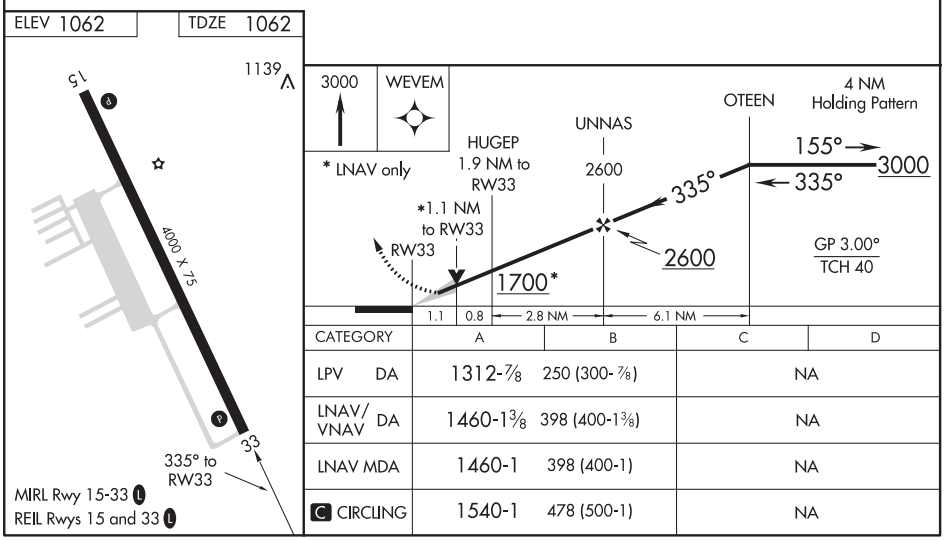
RNAV (GPS) RWY 33
CAMDENTON MEMORIAL-LAKE RGNL (OZS)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Lee C Fine Memorial altimeter setting and increase all DA 50 feet, all MDA 60 feet, and increase LPV all Cats and LNAV/VNAV all Cats visibility ⅛ mile. Baro-VNAV and VDP NA when using Lee C Fine Memorial altimeter setting.

MISSED APPROACH: Climb to 3000 direct WEVEM and hold.

AWOS-3	MIZZU APP CON	UNICOM
120.225	124.1 353.7	122.8 (CTAF) L





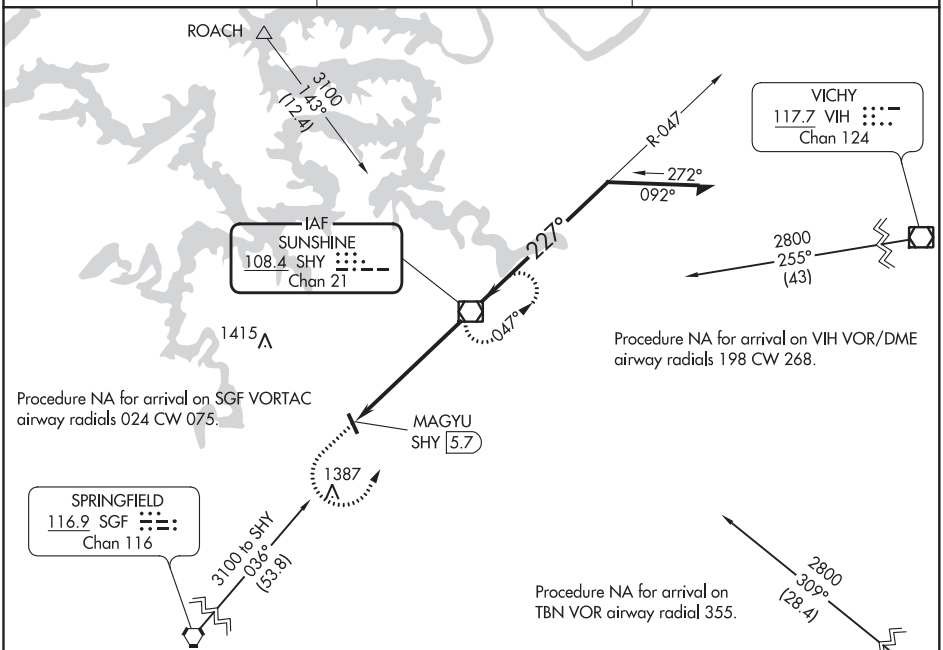
CATEGORY	A	B	C	D
LPV DA	1312-⅞ 250 (300-⅞)		NA	
LNAV/VNAV DA	1460-1⅜ 398 (400-1⅜)		NA	
LNAV MDA	1460-1 398 (400-1)		NA	
C CIRCLING	1540-1 478 (500-1)		NA	

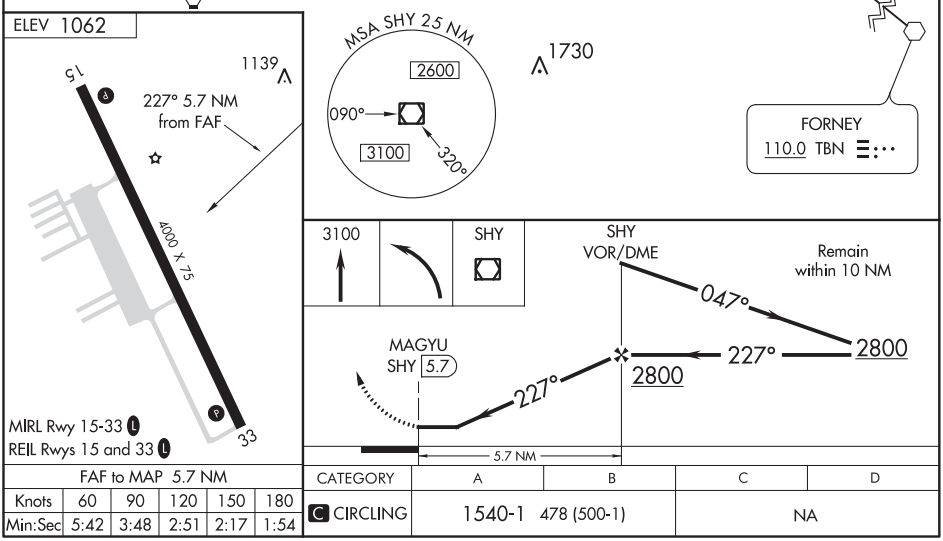
VOR/DME SHY 108.4 Chan 21	APP CRS 227°	Rwy ldg N/A TDZE N/A Apt Elev 1062

VOR-A
CAMDENTON MEMORIAL-LAKE RGNL (OZS)

MISSED APPROACH: Climb to 3100 then left turn direct SHY VOR/DME and hold.

AWOS-3	MIZZU APP CON	UNICOM
120.225	124.1 353.7	122.8 (CTAF) L





FAF to MAP 5.7 NM					
Knots	60	90	120	150	180
Min:Sec	5:42	3:48	2:51	2:17	1:54

CATEGORY	A	B	C	D
C CIRCLING	1540-1 478 (500-1)		NA	

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

CAMERON, MISSOURI AL-6937 (FAA) 19003

WAAS CH 82017 W17A	APP CRS 172°	Rwy ldg 4000 TDZE 1040 Apt Elev 1040

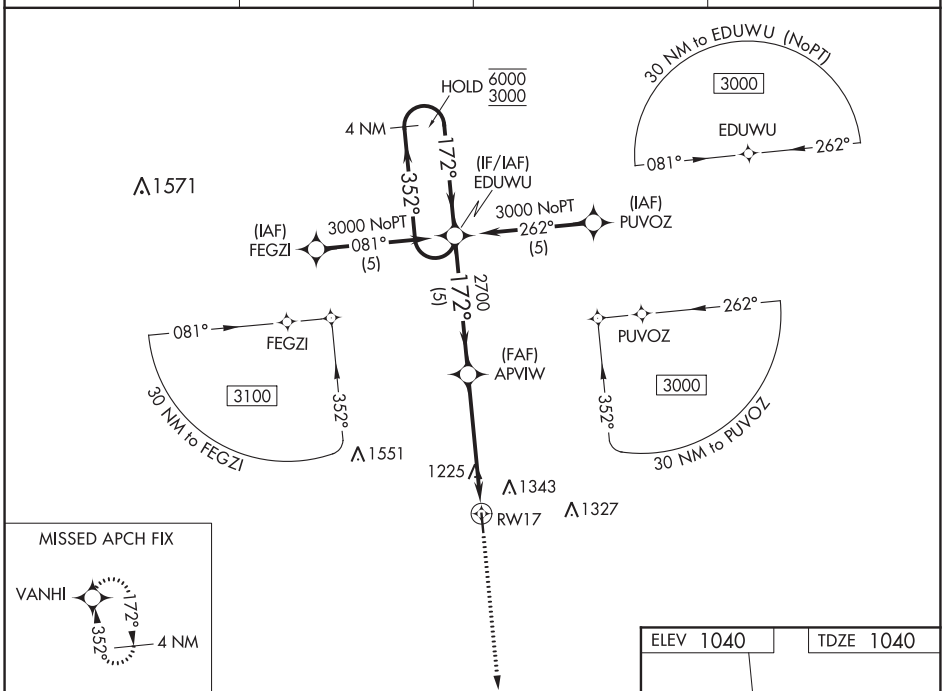
RNAV (GPS) RWY 17
CAMERON MEMORIAL (EZZ)

RNP APCH.

T Rwy 17 helicopter visibility reduction below ¾ SM NA.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 54°C.

MISSED APPROACH: Climb to 3000 direct VANHI and hold.

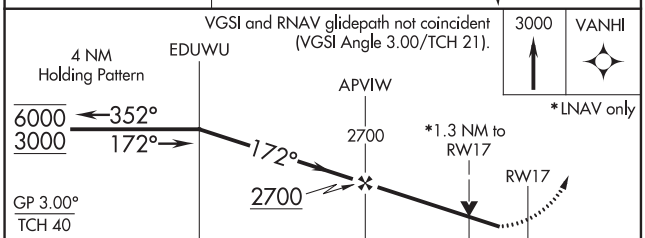
AWOS-3	KANSAS CITY APP CON	CLNC DEL	UNICOM
121.05	118.4 307.35	121.6	122.8 (CTAF) L



VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 21).

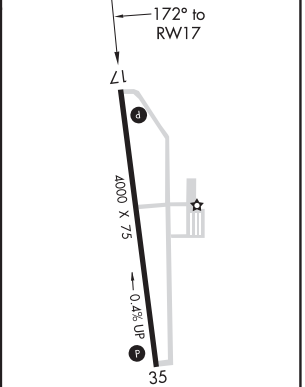
3000 VANHI

*LNAV only



CATEGORY	A	B	C	D
LPV DA	1290-¾ 250 (300-¾)		NA	
LNAV/VNAV DA	1518-1⅜ 478 (500-1⅜)		NA	
LNAV MDA	1480-1 440 (500-1)		NA	
CIRCLING	1660-1 620 (700-1)		NA	

ELEV 1040 TDZE 1040



MIRL Rwy 17-35 L
REIL Rwys 17 and 35 L

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 77717 W35A	APP CRS 352°	Rwy ldg 4000 TDZE 1035 Apt Elev 1040

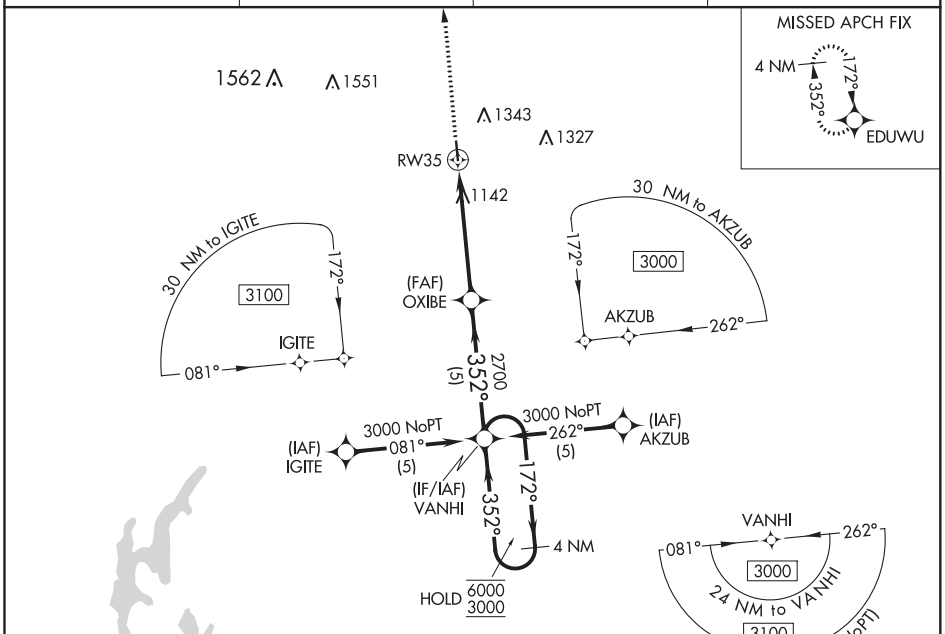
RNAV (GPS) RWY 35
CAMERON MEMORIAL (EZZ)

RNP APCH.

Rwy 35 helicopter visibility reduction below ¾ SM NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 54°C.

MISSED APPROACH: Climb to 3000 direct EDUWU and hold.

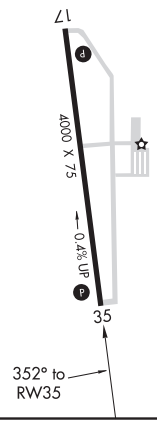
AWOS-3	KANSAS CITY APP CON	CLNC DEL	UNICOM
121.05	118.4 307.35	121.6	122.8 (CTAF) L

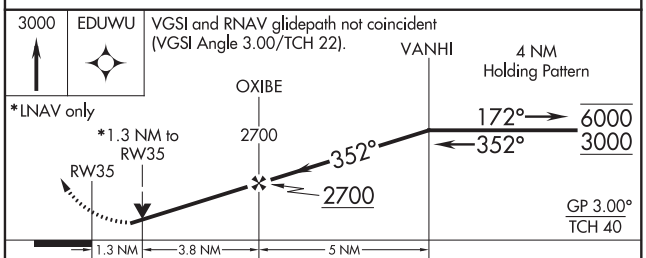


ELEV 1040 TDZE 1035

MIRL Rwy 17-35 L

REIL Rwys 17 and 35 L





CATEGORY	A	B	C	D
LPV DA	1285-¾ 250 (300-¾)		NA	
LNAV/VNAV DA	1310-⅞ 275 (300-⅞)		NA	
LNAV MDA	1460-1 425 (500-1)		NA	
CIRCLING	1660-1 620 (700-1)		NA	

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

LOC/DME I-CGI 109.5 Chan 32	APP CRS 108°	Rwy ldg 6499 TDZE 337 Apt Elev 342

ILS or LOC RWY 10
CAPE GIRARDEAU RGNL (CGI)

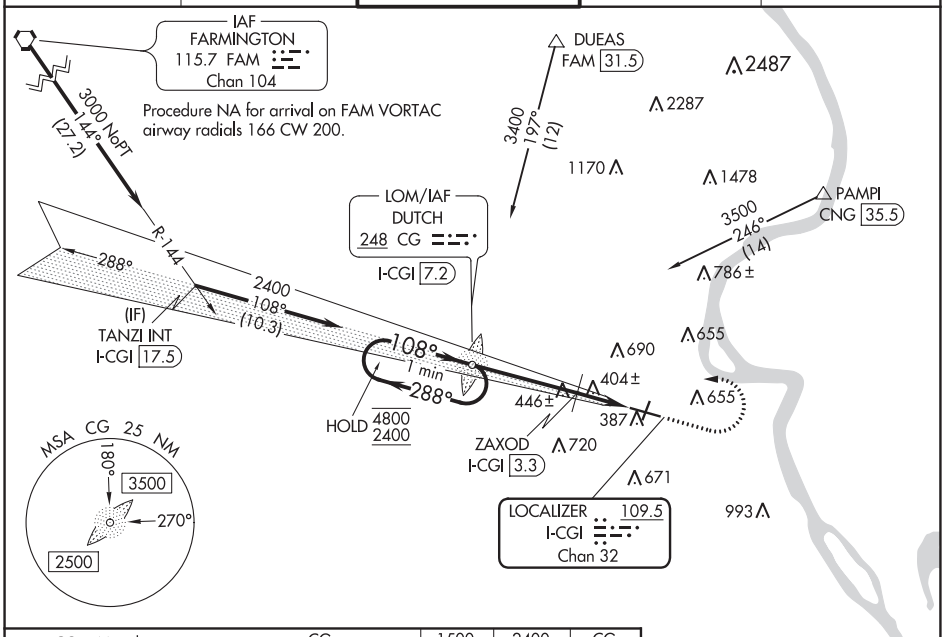
ADF required.

For inop ALS, increase S-LOC 10 Cat C/D visibility to 1⅞ SM.

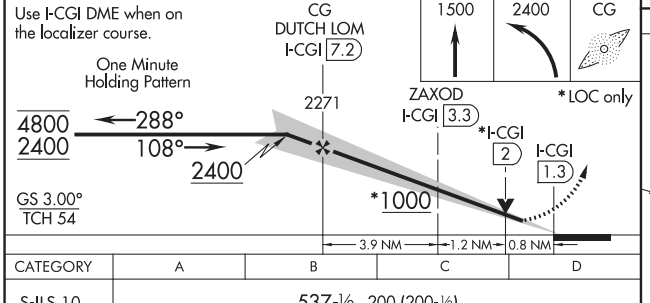
MALSR

MISSED APPROACH: Climb to 1500 then climbing left turn to 2400 direct DUTCH LOM/I-CGI 7.2 DME and hold.

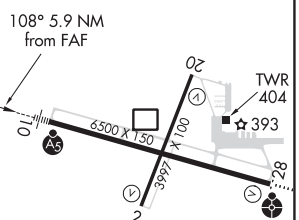
ASOS	MEMPHIS CENTER	CAPE GIRARDEAU TOWER ★	GND CON	UNICOM
120.55	133.65 292.15	125.525 (CTAF) L	121.6	122.95



Use I-CGI DME when on the localizer course.



ELEV 342 D TDZE 337



MIRL Rwy 2-20 L
HIRL Rwy 10-28 L

CATEGORY	A	B	C	D
S-ILS 10	537-½ 200 (200-½)			
S-LOC 10	1000-½ 663 (700-½)		1000-1½ 663 (700-1½)	
C CIRCLING	1000-1 658 (700-1)		1000-1⅞ 658 (700-1⅞)	1080-2¼ 738 (800-2¼)
ZAXOD FIX MINIMUMS				
S-LOC 10	660-½ 323 (400-½)			
C CIRCLING	860-1 518 (600-1)	960-1 618 (700-1)	1000-1¾ 658 (700-1¾)	1080-2¼ 738 (800-2¼)

FAF to MAP 5.9 NM

Knots	60	90	120	150	180
Min:Sec	5:54	3:56	2:57	2:22	1:58

NC-3, 25 FEB 2021 to 22 APR 2021

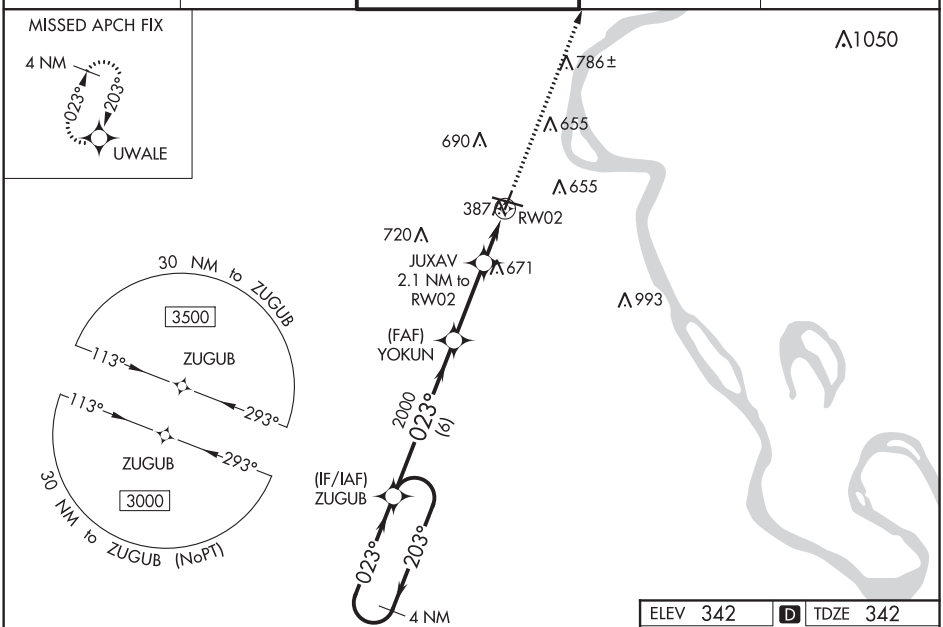
WAAS CH 93832 W02A	APP CRS 023°	Rwy ldg 3996 TDZE 342 Apt Elev 342

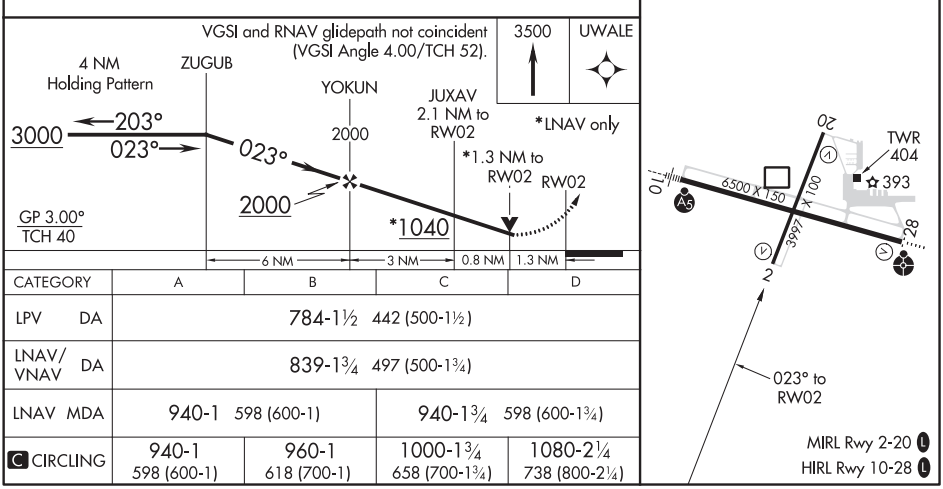
RNAV (GPS) RWY 2
CAPE GIRARDEAU RGNL (CGI)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Cairo Rgnl altimeter setting and increase all DA 48 feet and all MDA 60 feet; increase LPV all Cats, LNAV/VNAV all Cats and LNAV Cat C/D visibilities ⅛ mile and Circling Cat C/D visibility ¼ mile. Helicopter visibility reduction below ¾ SM NA. Baro-VNAV and VDP NA when using Cairo Rgnl altimeter setting.

MISSED APPROACH: Climb to 3500 direct UWALE and hold, continue climb-in-hold to 3500.

ASOS	MEMPHIS CENTER	CAPE GIRARDEAU TOWER★	GND CON	UNICOM
120.55	133.65 292.15	125.525 (CTAF) L	121.6	122.95





CATEGORY	A	B	C	D
LPV DA	784-1½ 442 (500-1½)			
LNAV/VNAV DA	839-1¾ 497 (500-1¾)			
LNAV MDA	940-1 598 (600-1)		940-1¾ 598 (600-1¾)	
C CIRCLING	940-1 598 (600-1)	960-1 618 (700-1)	1000-1¾ 658 (700-1¾)	1080-2¼ 738 (800-2¼)

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 61399 W10A	APP CRS 108°	Rwy ldg 6499 TDZE 337 Apt Elev 342

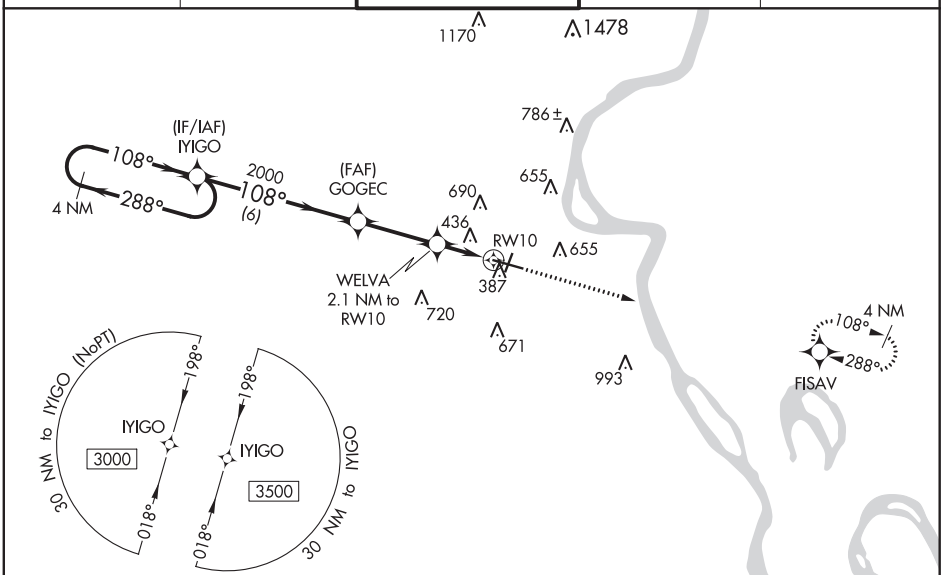
RNAV (GPS) RWY 10
CAPE GIRARDEAU RGNL (CGI)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Cairo Rgnl altimeter setting and increase all DA 48 feet and all MDA 60 feet; increase LNAV Cat C/D visibilities ⅛ mile and Circling Cat C/D visibility ¼ mile. Baro-VNAV and VDP NA when using Cairo Rgnl altimeter setting. For inop MALSR, increase LNAV/VNAV visibility all Cats to ⅞ and LNAV Cats C/D visibility to 1 mile. For inop MALSR when using Cairo Rgnl altimeter setting, increase LNAV Cats C/D visibility to 1⅛ mile.

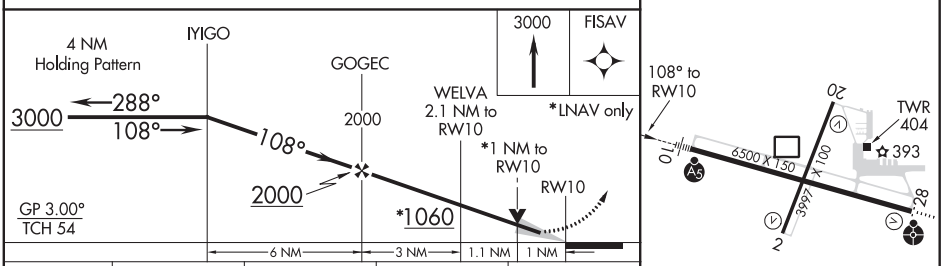
MALSR

MISSED APPROACH: Climb to 3000 direct FISAV and hold.

ASOS	MEMPHIS CENTER	CAPE GIRARDEAU TOWER ★	GND CON	UNICOM
120.55	133.65 292.15	125.525 (CTAF) L	121.6	122.95



ELEV 342 D TDZE 337



CATEGORY	A	B	C	D
LPV DA	537-½ 200 (200-½)			
LNAV/VNAV DA	603-½ 266 (300-½)			
LNAV MDA	700-½ 363 (400-½)		700-⅝ 363 (400-⅝)	
C CIRCLING	860-1 518 (600-1)	960-1 618 (700-1)	1000-1¾ 658 (700-1¾)	1080-2¼ 738 (800-2¼)

MIRL Rwy 2-20 L
HIRL Rwy 10-28 L

NC-3, 25 FEB 2021 to 22 APR 2021

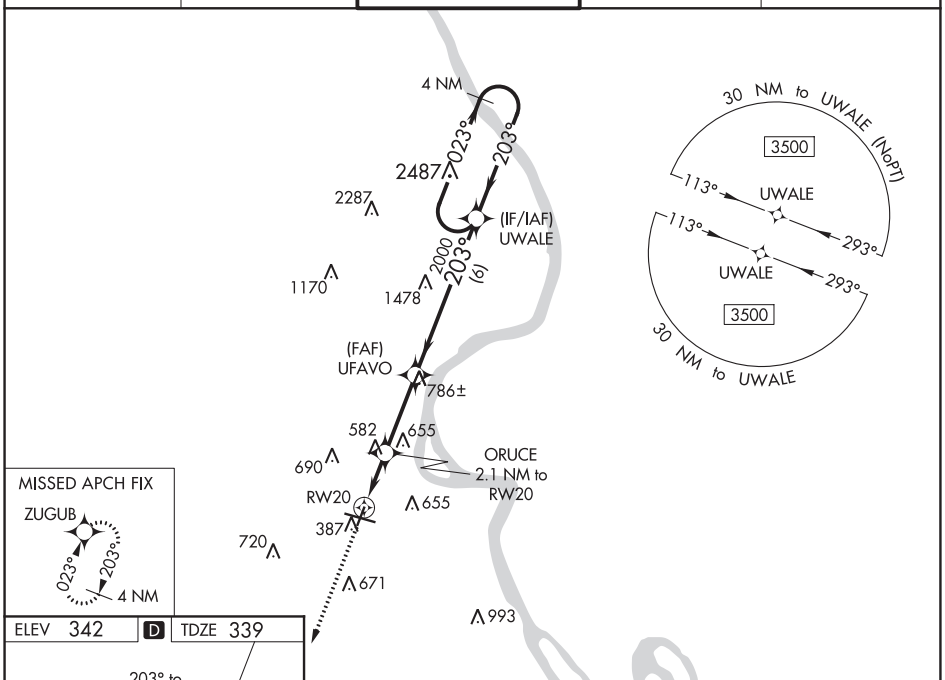
WAAS CH 42832 W20A	APP CRS 203°	Rwy ldg 3996 TDZE 339 Apt Elev 342

RNAV (GPS) RWY 20
CAPE GIRARDEAU RGNL (CGI)

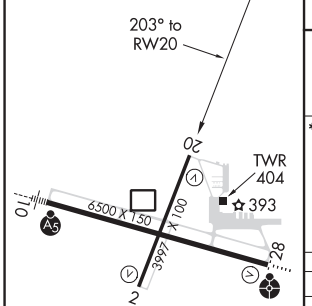
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Cairo Rgnl altimeter setting and increase all DA 48 feet and all MDA 60 feet; increase LNAV Cat C/D visibility and Circling Cat C/D visibility ¼ mile. Helicopter visibility reduction below ¾ SM NA. Baro-VNAV and VDP NA when using Cairo Rgnl altimeter setting.

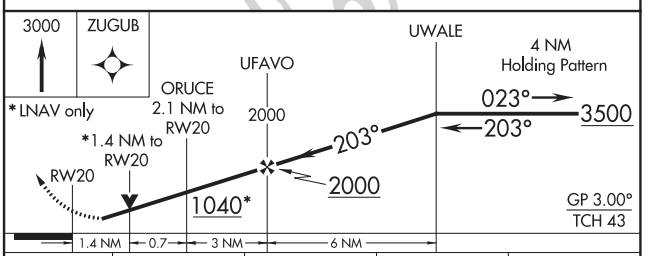
MISSED APPROACH: Climb to 3000 direct ZUGUB and hold.

ASOS	MEMPHIS CENTER	CAPE GIRARDEAU TOWER ★	GND CON	UNICOM
120.55	133.65 292.15	125.525 (CTAF) L	121.6	122.95



ELEV 342 D TDZE 339





CATEGORY	A	B	C	D
LPV DA	589-1 250 (300-1)			
LNAV/VNAV DA	603-1 264 (300-1)			
LNAV MDA	840-1 501 (500-1)		840-1⅜ 501 (500-1⅜)	
C CIRCLING	860-1 518 (600-1)	960-1 618 (700-1)	1000-1¾ 658 (700-1¾)	1080-2¼ 738 (800-2¼)

MIRL Rwy 2-20 L
HIRL Rwy 10-28 L

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 90199 W28A	APP CRS 288°	Rwy ldg 6499 TDZE 341 Apt Elev 342

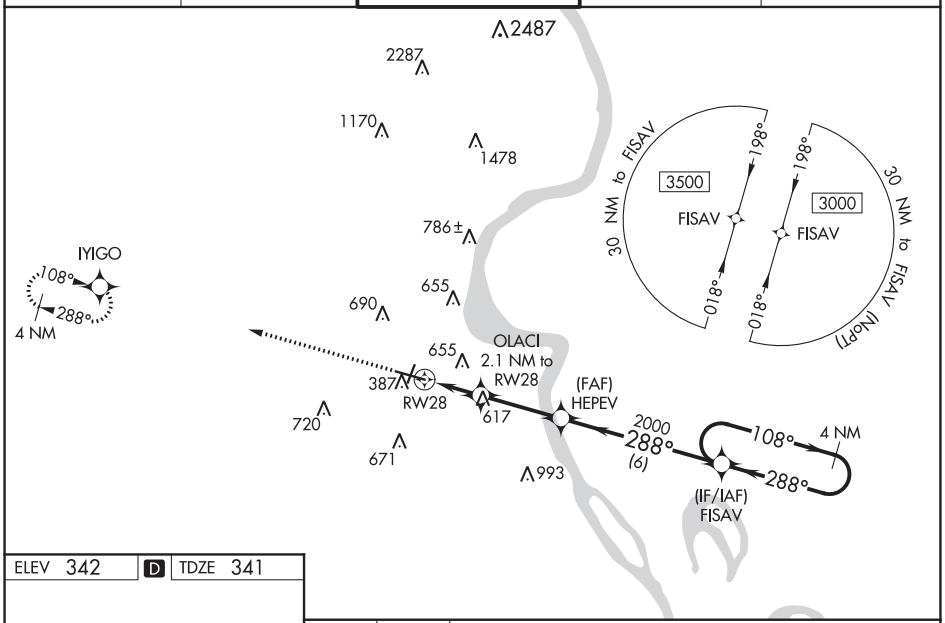
RNAV (GPS) RWY 28
CAPE GIRARDEAU RGNL (CGI)

DME/DME RNP-0.3 NA. When local altimeter setting not received, use Cairo Rgnl altimeter setting and increase all DA 48 feet and all MDA 60 feet; increase LPV all Cats, LNAV/VNAV all Cats, and Circling Cat C/D visibility ¼ mile and LNAV Cat C/D visibility ⅛ mile. VDP NA when using Cairo Rgnl altimeter setting. Helicopter visibility reduction below ¾ SM NA. For inop ODALS, increase LPV all Cats, LNAV/VNAV all Cats and LNAV Cat C/D visibilities ⅛ mile. When using Cairo Rgnl altimeter setting, for inop ODALS, increase LPV all Cats, LNAV/VNAV all Cats and LNAV Cat C/D visibilities ⅛ mile. Baro-VNAV NA.

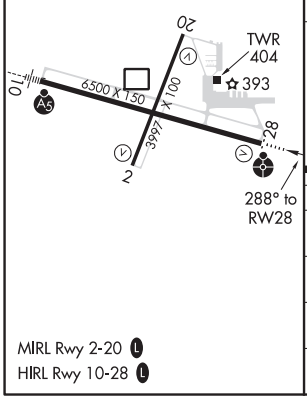
ODALS

MISSED APPROACH: Climb to 3000 direct IYIGO and hold.

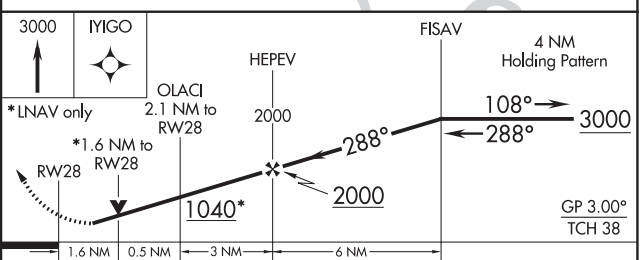
ASOS	MEMPHIS CENTER	CAPE GIRARDEAU TOWER★	GND CON	UNICOM
120.55	133.65 292.15	125.525 (CTAF) L	121.6	122.95



ELEV 342 D TDZE 341



MIRL Rwy 2-20 L
HIRL Rwy 10-28 L



CATEGORY		A	B	C	D
LPV	DA	723-1⅛ 382 (400-1⅛)			
LNAV/VNAV	DA	821-1½ 480 (500-1½)			
LNAV	MDA	880-¾ 539 (600-¾)		880-1⅜ 539 (600-1⅜)	
C CIRCLING		880-1 538 (600-1)	960-1 618 (700-1)	1000-1¾ 658 (700-1¾)	1080-2¼ 738 (800-2¼)

NC-3, 25 FEB 2021 to 22 APR 2021

LOC BC RWY 28
CAPE GIRARDEAU RGNL (CGI)

LOC/DME I-CGI	APP CRS	Rwy ldg	6499
109.5	288°	TDZE	341
Chan 32		Apt Elev	342

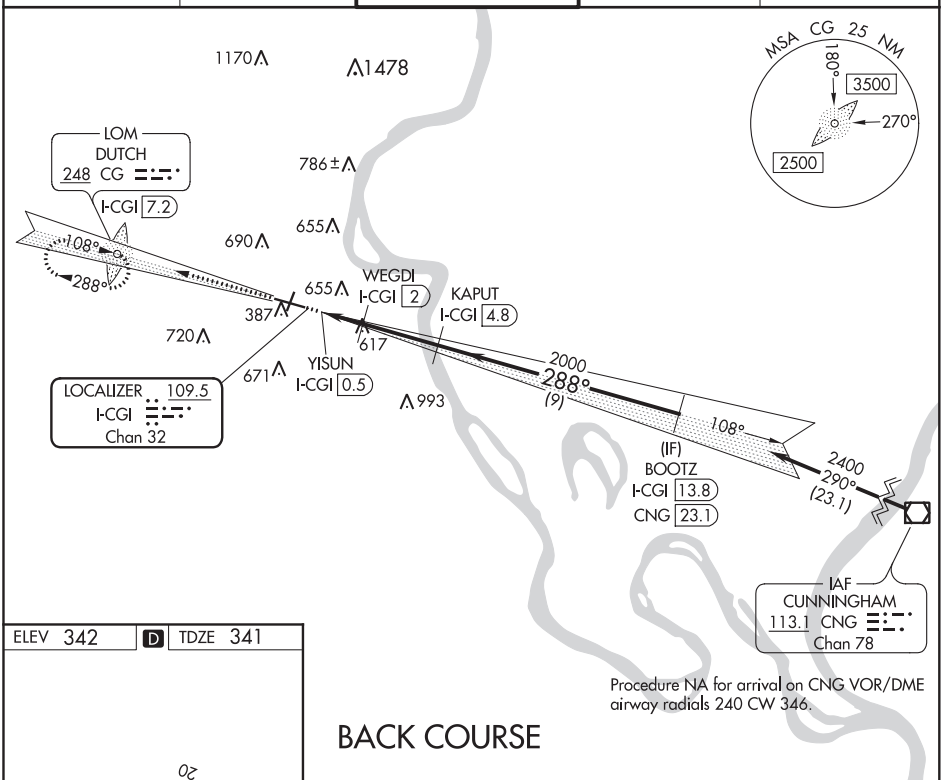
DME required.

T A Rwy 28 helicopter visibility reduction below ¾ SM NA.

ODALS

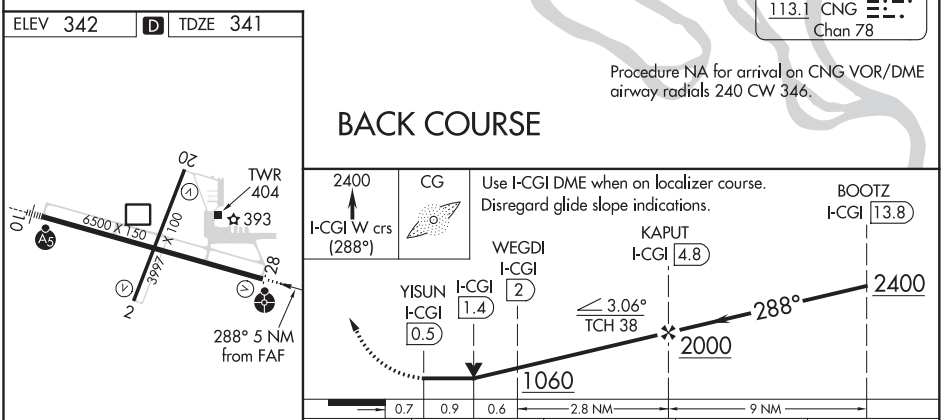
MISSED APPROACH: Climb to 2400 on I-CGI west course (288°) to DUTCH LOM/I-CGI 7.2 DME and hold.

ASOS	MEMPHIS CENTER	CAPE GIRARDEAU TOWER ★	GND CON	UNICOM
120.55	133.65 292.15	125.525 (CTAF) L	121.6	122.95



Procedure NA for arrival on CNG VOR/DME airway radials 240 CW 346.

BACK COURSE



CATEGORY	A	B	C	D
S-28	880-¾ 539 (600-¾)		880-1⅜ 539 (600-1⅜)	
C CIRCLING	880-1 538 (600-1)	960-1 618 (700-1)	1080-2 738 (800-2)	1080-2¼ 738 (800-2¼)

MIRL Rwy 2-20 L
HIRL Rwy 10-28 L

NC-3, 25 FEB 2021 to 22 APR 2021

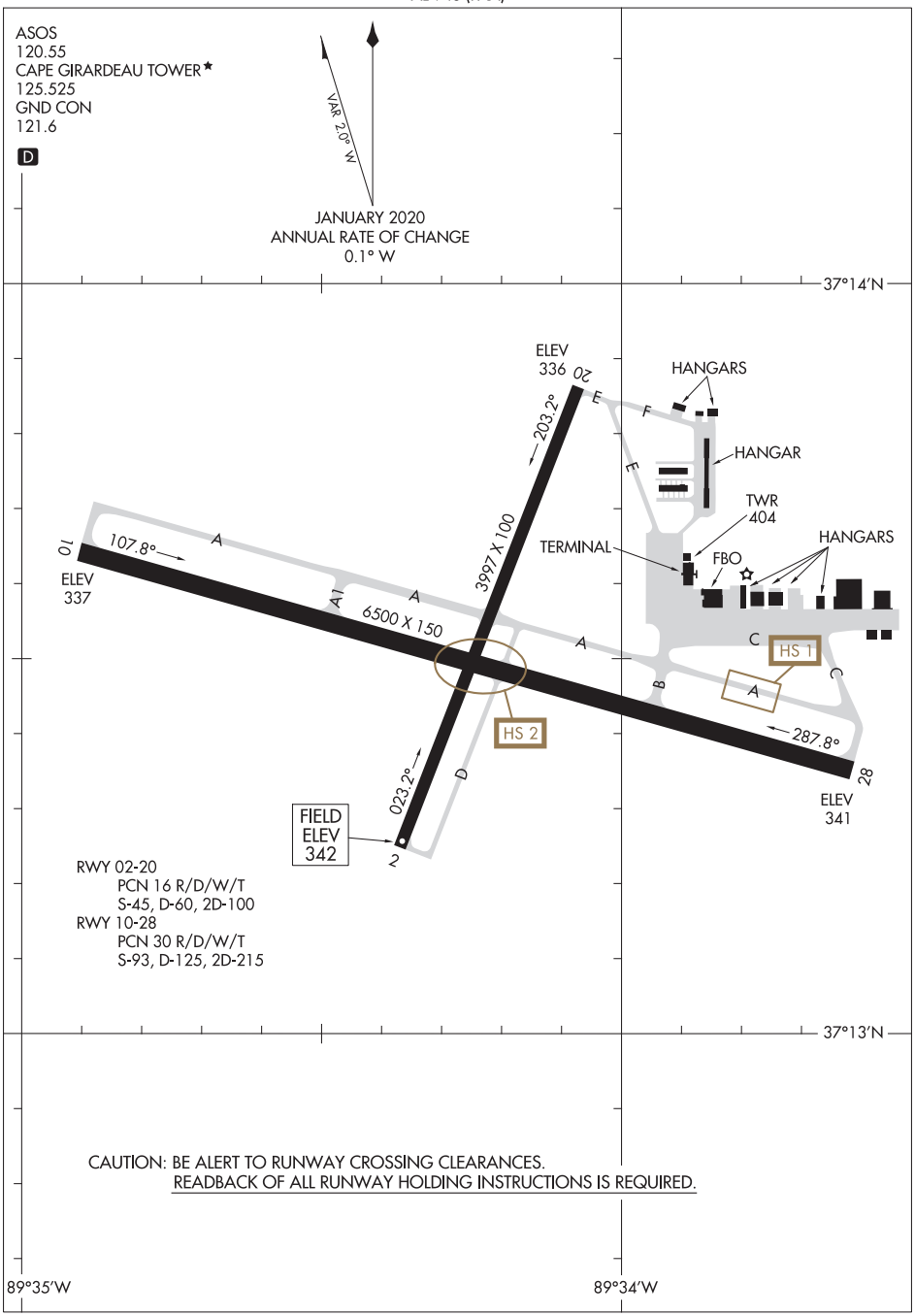
NC-3, 25 FEB 2021 to 22 APR 2021

20086

AIRPORT DIAGRAM

AL-943 (FAA)

CAPE GIRARDEAU RGNL (CGI)
CAPE GIRARDEAU, MISSOURI



NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

AIRPORT DIAGRAM
20086
CAPE GIRARDEAU, MISSOURI
CAPE GIRARDEAU RGNL (CGI)

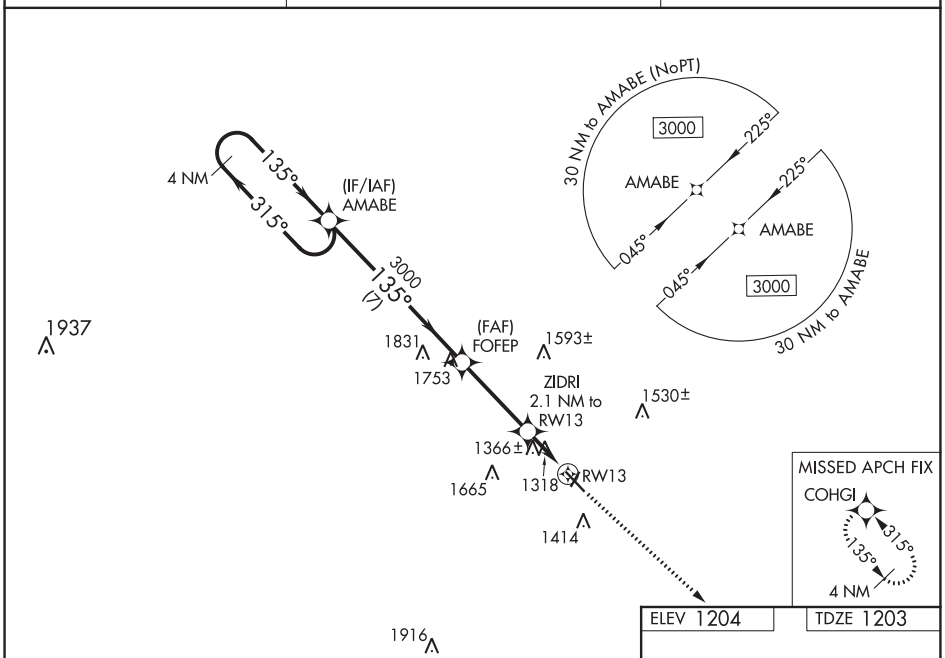
WAAS CH 87030 W13A	APP CRS 135°	Rwy ldg 5000 TDZE 1203 Apt Elev 1204

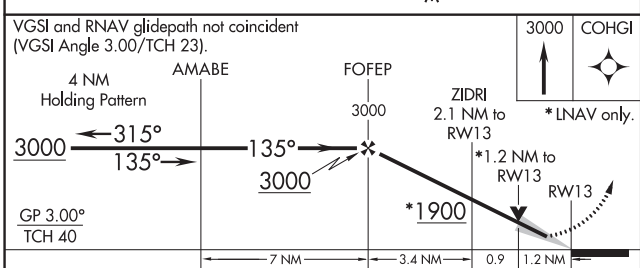
RNAV (GPS) RWY 13
ARTHUR N NEU (CIN)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Baro-VNAV and VDP NA when using Audubon altimeter setting. When local altimeter setting not received, use Audubon altimeter setting and increase all DA 62 feet and all MDA 80 feet and increase LNAV/VNAV all Cats visibility and LNAV Cat C visibility ¼ mile.

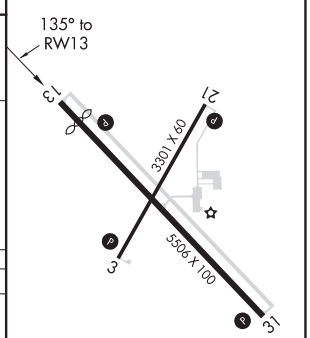
MISSED APPROACH: Climb to 3000 direct COHGI and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
118.025	134.0 288.3	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1453-1 250 (300-1)			NA
LNAV/VNAV DA	1607-1⅜ 404 (500-1⅜)			NA
LNAV MDA	1620-1 417 (500-1)		1620-1⅛ 417 (500-1⅛)	NA
CIRCLING	1720-1 516 (600-1)		1720-1½ 516 (600-1½)	NA



MIRL Rwys 13-31 and 3-21 L
REIL Rwys 3, 13, 21 and 31 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

CARROLL, IOWA | AL-5563 (FAA) | 20310

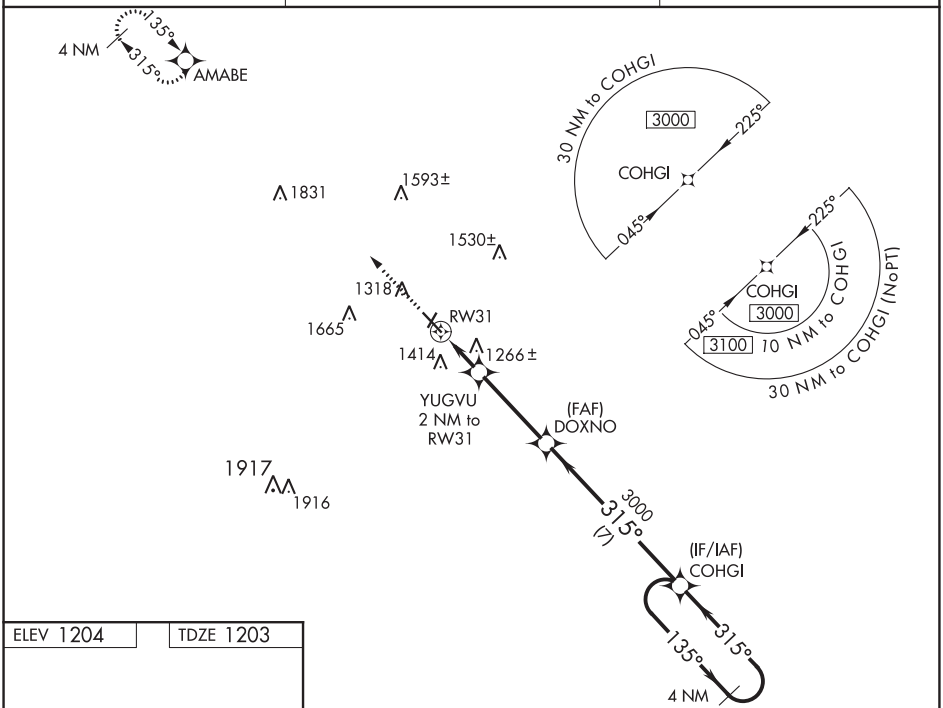
WAAS CH 49130 W31A	APP CRS 315°	Rwy ldg 5506 TDZE 1203 Apt Elev 1204

RNAV (GPS) RWY 31
ARTHUR N NEU (CIN)

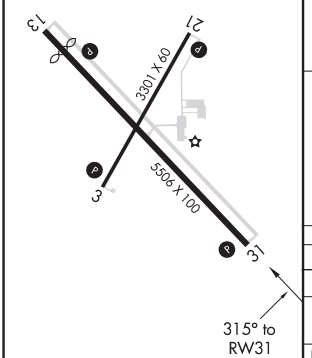
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Baro-VNAV and VDP NA when using Audubon altimeter setting. When local altimeter setting not received, use Audubon altimeter setting and increase all DA 62 feet and all MDA 80 feet and increase LNAV Cat C visibility ⅛ mile.

MISSED APPROACH: Climb to 3000 direct AMABE and hold.

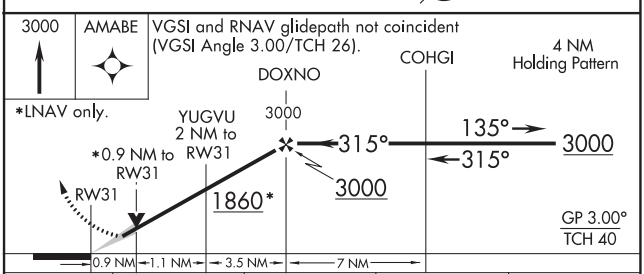
AWOS-3	MINNEAPOLIS CENTER	UNICOM
118.025	134.0 288.3	122.8 (CTAF) L



ELEV 1204 | TDZE 1203



MIRL Rwys 13-31 and 3-21 L
REIL Rwys 3, 13, 21 and 31 L



CATEGORY	A	B	C	D
LPV DA	1453-1 250 (300-1)			NA
LNAV/VNAV DA	1453-1 250 (300-1)			NA
LNAV MDA	1520-1 317 (400-1)			NA
CIRCLING	1720-1 516 (600-1)		1720-1½ 516 (600-1½)	NA

CARROLL, IOWA
Amdt 1B 29MAY14

42°03'N-94°47'W

ARTHUR N NEU (CIN)
RNAV (GPS) RWY 31

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 78109 W18A	APP CRS 179°	Rwy ldg 4005 TDZE 268 Apt Elev 268

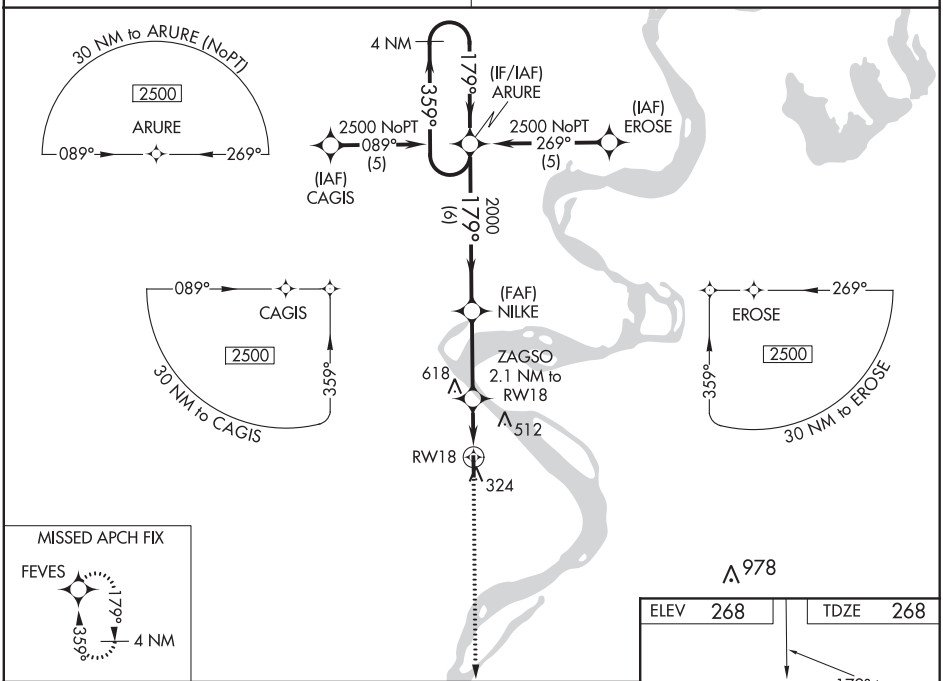
RNAV (GPS) RWY 18
CARUTHERSVILLE MEMORIAL (M05)

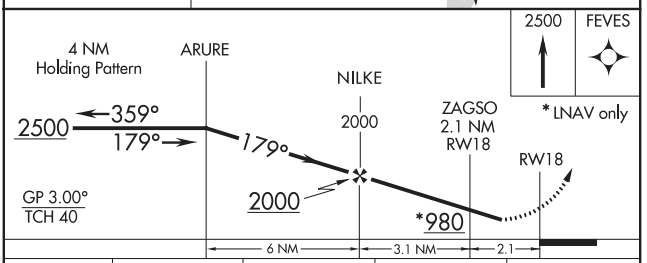
T
NA

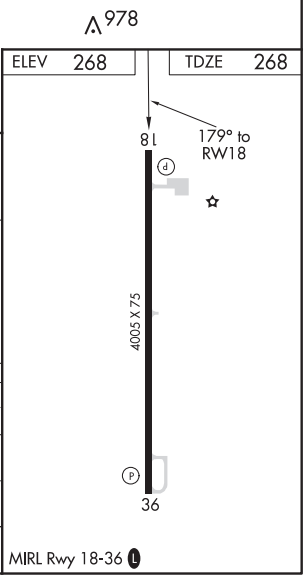
Baro-VNAV NA. DME/DME RNP-0.3 NA. Helicopter Visibility reduction below 1 SM NA. Use Blytheville Muni altimeter setting; when not received, use Dyersburg altimeter setting and increase all DA 11 feet and all MDA 20 feet, increase Circling Cat C visibility ¼ mile. Procedure NA at night.

MISSED APPROACH: Climb to 2500 direct FEVES and hold.

MEMPHIS CENTER	CTAF
134.65 316.15	122.9 L







CATEGORY	A	B	C	D
LPV DA	813-2 545 (600-2)			NA
LNAV/VNAV DA	835-2 567 (600-2)			NA
LNAV MDA	780-1 512 (600-1)		780-1½ 512 (600-1½)	NA
CIRCLING	820-1 552 (600-1)		860-1½ 592 (600-1½)	NA

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

CARUTHERSVILLE, MISSOURI

AL-10183 (FAA)

20310

RNAV (GPS) RWY 36
CARUTHERSVILLE MEMORIAL (M05)

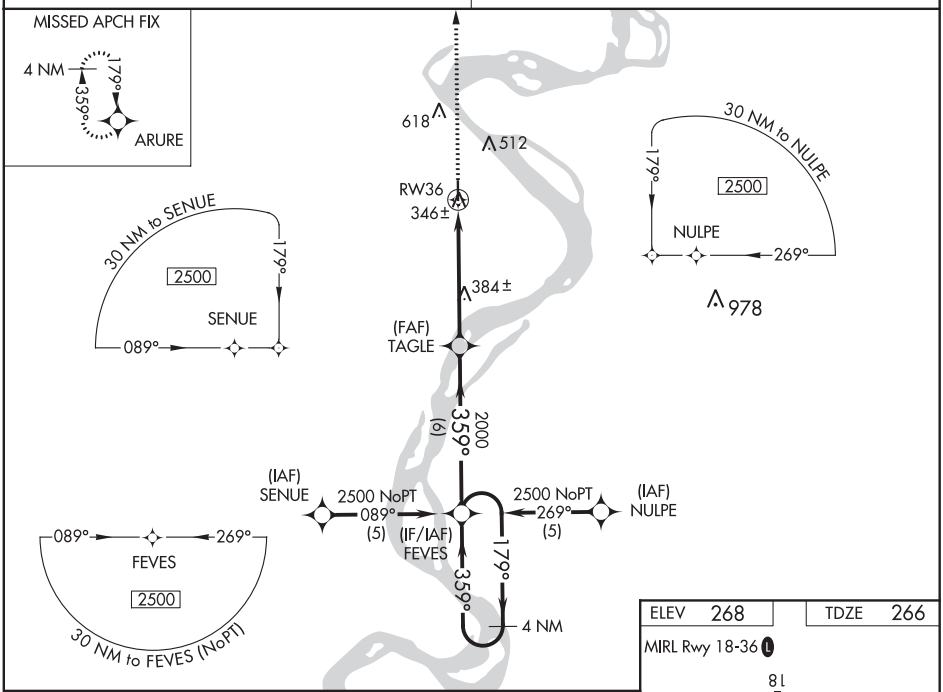
WAAS CH 77609 W36A	APP CRS 359°	Rwy ldg 4005 TDZE 266 Apt Elev 268

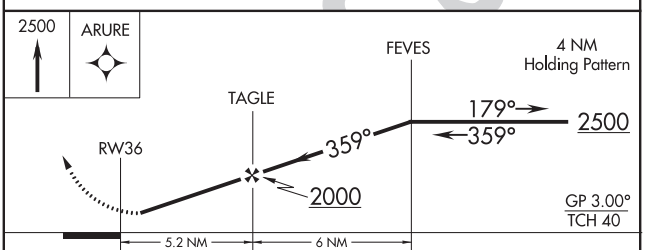
T
A NA

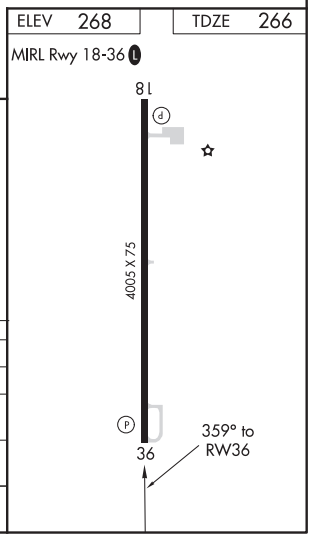
Baro-VNAV NA. DME/DME RNP-0.3 NA.
Helicopter Visibility reduction below 1 SM NA.
Use Blytheville Muni altimeter setting; when not received, use Dyersburg altimeter setting and increase all DA 11 feet and all MDA 20 feet. Increase Circling Cat C visibility ¼ mile.
Procedure NA at night.

MISSED APPROACH: Climb to 2500 direct ARURE and hold.

MEMPHIS CENTER	CTAF
134.65 316.15	122.9 L







CATEGORY	A	B	C	D
LPV DA	631-1¼ 365 (400-1¼)			NA
LNAV/VNAV DA	695-1½ 429 (500-1½)			NA
LNAV MDA	680-1 414 (500-1)		680-1¼ 414 (500-1¼)	NA
CIRCLING	820-1 552 (600-1)		860-1½ 592 (600-1½)	NA

CARUTHERSVILLE, MISSOURI
Amdt 1A 23JUL15

36°10′N-89°41′W

CARUTHERSVILLE MEMORIAL (M05)
RNAV (GPS) RWY 36

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

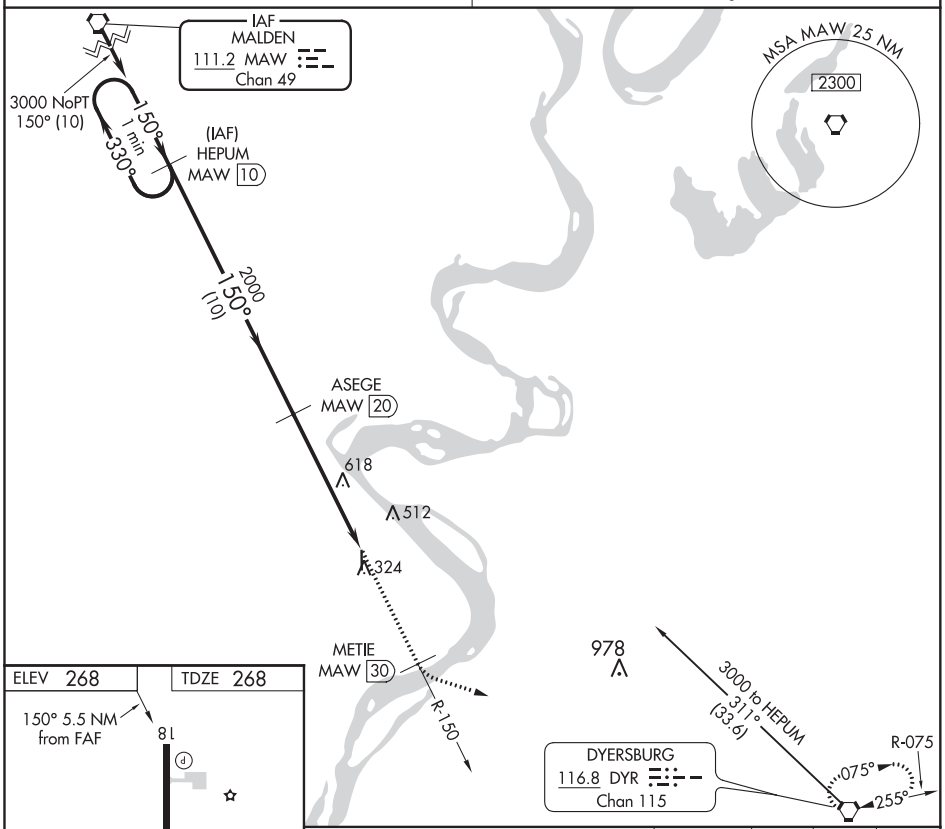
VORTAC MAW	APP CRS	Rwy ldg 4005
111.2	150°	TDZE 268
Chan 49		Apt Elev 268

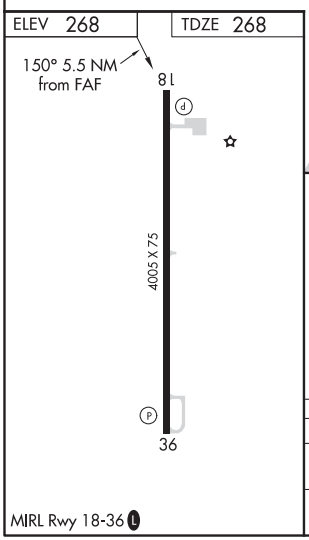
VOR/DME RWY 18
CARUTHERSVILLE MEMORIAL (M05)

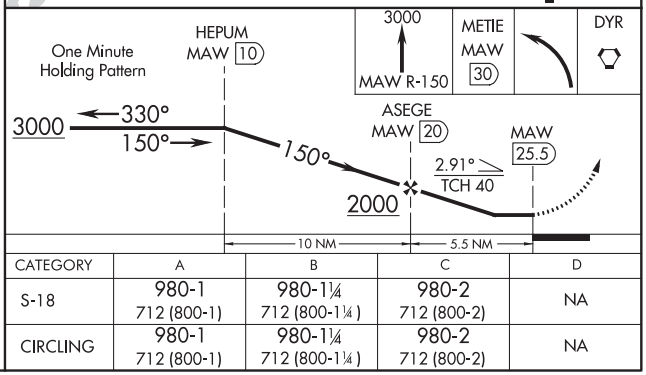
T NA Use Dyersburg Muni altimeter setting. Helicopter visibility reduction below 1 SM NA. Procedure NA at night.

MISSED APPROACH: Climb to 3000 via MAW VORTAC R-150 to METIE/MAW 30 DME, then left turn direct DYR VORTAC and hold.

MEMPHIS CENTER	CTAF
134.65 316.15	122.9 L







CATEGORY	A	B	C	D
S-18	980-1 712 (800-1)	980-1¼ 712 (800-1¼)	980-2 712 (800-2)	NA
CIRCLING	980-1 712 (800-1)	980-1¼ 712 (800-1¼)	980-2 712 (800-2)	NA

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

CASSVILLE, MISSOURI

AL-6454 (FAA)

19283

RNAV (GPS) RWY 9

CASSVILLE MUNI (94K)

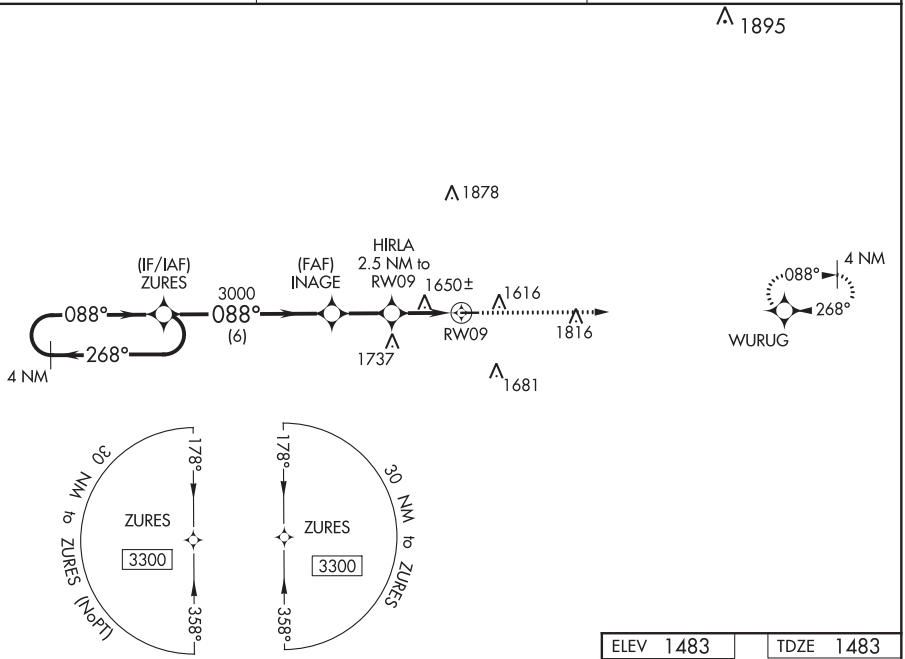
WAAS CH 63133 W09A	APP CRS 088°	Rwy ldg 3599 TDZE 1483 Apt Elev 1483

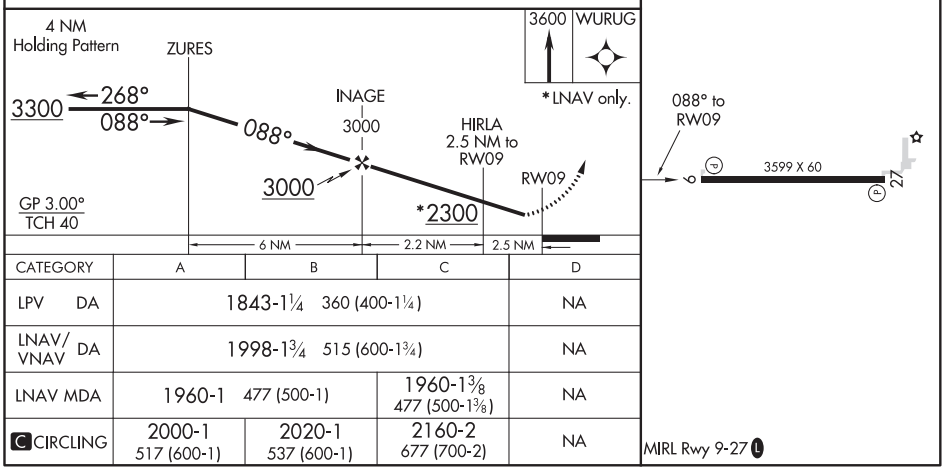
NA

Baro-VNAV NA. DME/DME RNP-0.3 NA. Helicopter visibility reduction below 1 SM NA. Procedure NA at night. Use Monett altimeter setting, when not received, use Rogers altimeter setting and increase all DA 13 feet and all MDA 20 feet and LNAV/VNAV all Cats visibility to 1⅞ mile.

MISSED APPROACH: Climb to 3600 direct WURUG and hold.

HFJ AWOS-3	SPRINGFIELD APP CON	CTAF
118.275	124.95 318.2	122.9 L





CATEGORY	A	B	C	D
LPV DA	1843-1¼ 360 (400-1¼)			NA
LNAV/VNAV DA	1998-1¾ 515 (600-1¾)			NA
LNAV MDA	1960-1 477 (500-1)		1960-1⅜ 477 (500-1⅜)	NA
C CIRCLING	2000-1 517 (600-1)	2020-1 537 (600-1)	2160-2 677 (700-2)	NA

CASSVILLE, MISSOURI

Amdt 1A 02APR15

36°42′N-93°54′W

CASSVILLE MUNI (94K)

RNAV (GPS) RWY 9

NC-3, 25 FEB 2021 to 22 APR 2021

RNAV (GPS) RWY 27
CASSVILLE MUNI (94K)

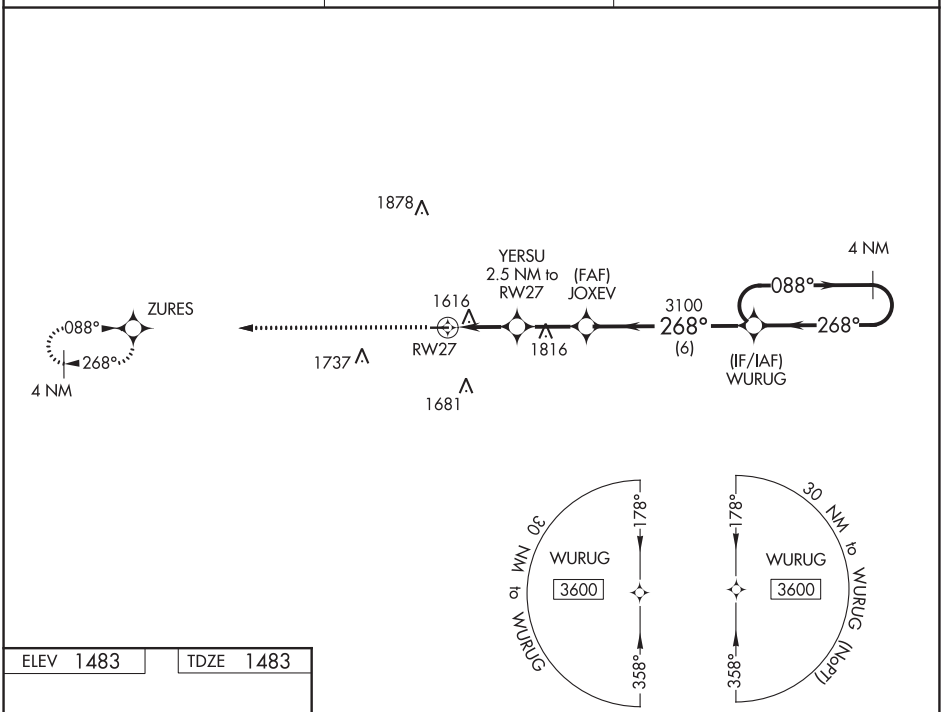
WAAS CH 50331 W27A	APP CRS 268°	Rwy ldg 3599 TDZE 1483 Apt Elev 1483

T A NA

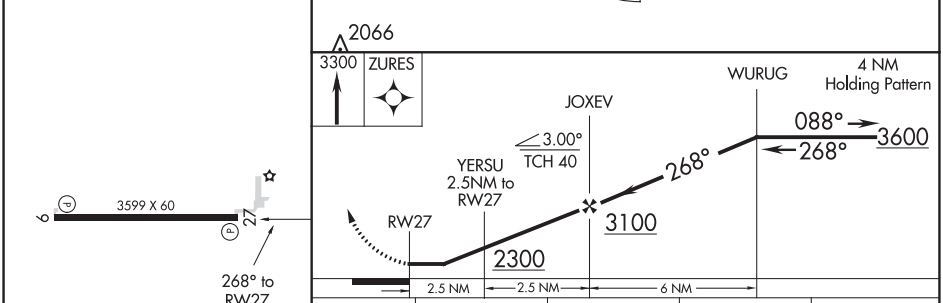
DME/DME RNP-0.3 NA. Helicopter visibility reduction below 1 SM NA. Procedure NA at night. Use Monett altimeter setting, when not received, use Rogers altimeter setting and increase all MDA 20 feet.

MISSED APPROACH: Climb to 3300 direct ZURES and hold.

HFJ AWOS-3	SPRINGFIELD APP CON	CTAF
118.275	124.95 318.2	122.9 L



ELEV 1483 TDZE 1483



CATEGORY	A	B	C	D
LP MDA	1920-1	437 (500-1)	1920-1⅜ 437 (500-1⅜)	NA
LNAV MDA	1940-1	457 (500-1)	1940-1⅜ 457 (500-1⅜)	NA
C CIRCLING	2000-1 517 (600-1)	2020-1 537 (600-1)	2160-2 677 (700-2)	NA

MIRL Rwy 9-27 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

LOC I-CID	APP CRS	Rwy ldg / TDZE / Apt Elev
109.3	089°	8175 / 857 / 869

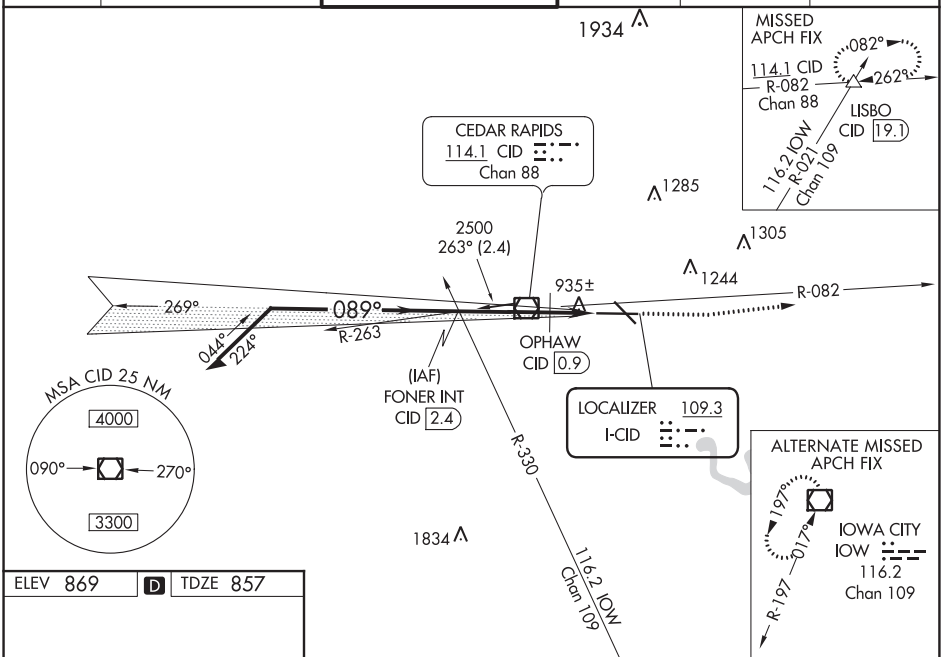
ILS or LOC RWY 9
THE EASTERN IOWA (CID)

When local altimeter setting not received, use Iowa City altimeter setting and increase all DA 64 feet and all MDA 80 feet; increase S-LOC Cat D visibility to RVR 6000. OPHAW fix minimums: increase S-LOC Cat C visibility to RVR 4000 and Cat D to RVR 6000. When using Iowa City altimeter setting, for inop MALSR, increase S-ILS 9 all Cats visibility to RVR 5000. Autopilot coupled approach NA below 1100 MSL.
#RVR 1800 authorized with use of FD or HUD to DA (NA when using Iowa City altimeter setting).

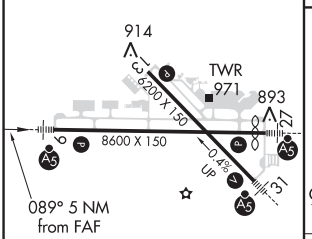
MALSR

MISSED APPROACH: Climb to 1400 then climb to 2700 via CID VOR/DME R-082 to LISBO/CID VOR/DME 19.1 DME and hold.

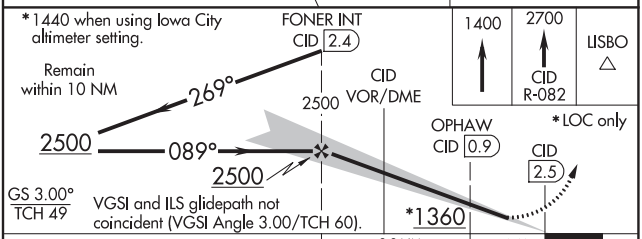
ATIS	CEDAR RAPIDS APP CON*	CEDAR RAPIDS TOWER*	GND CON	CLNC DEL	UNICOM
124.15	119.7 266.8	118.7 (CTAF) L 266.8	121.6	125.45	122.95



ELEV 869 | D | TDZE 857



HIRL Rwy 9-27 L
MIRL Rwy 13-31 L
REIL Rwy 13



CATEGORY	A	B	C	D
S-ILS 9#	1057/24 200 (200-½)			
S-LOC 9	1360/24 503 (500-½)		1360/50 503 (500-1)	
OPHAW FIX MINIMUMS				
S-LOC 9	1220/24 363 (400-½)			1220/40 363 (400-¾)

FAF to MAP 5 NM					
Knots	60	90	120	150	180
Min:Sec	5:00	3:20	2:30	2:00	1:40

NC-3, 25 FEB 2021 to 22 APR 2021

ILS or LOC RWY 27
THE EASTERN IOWA (CID)

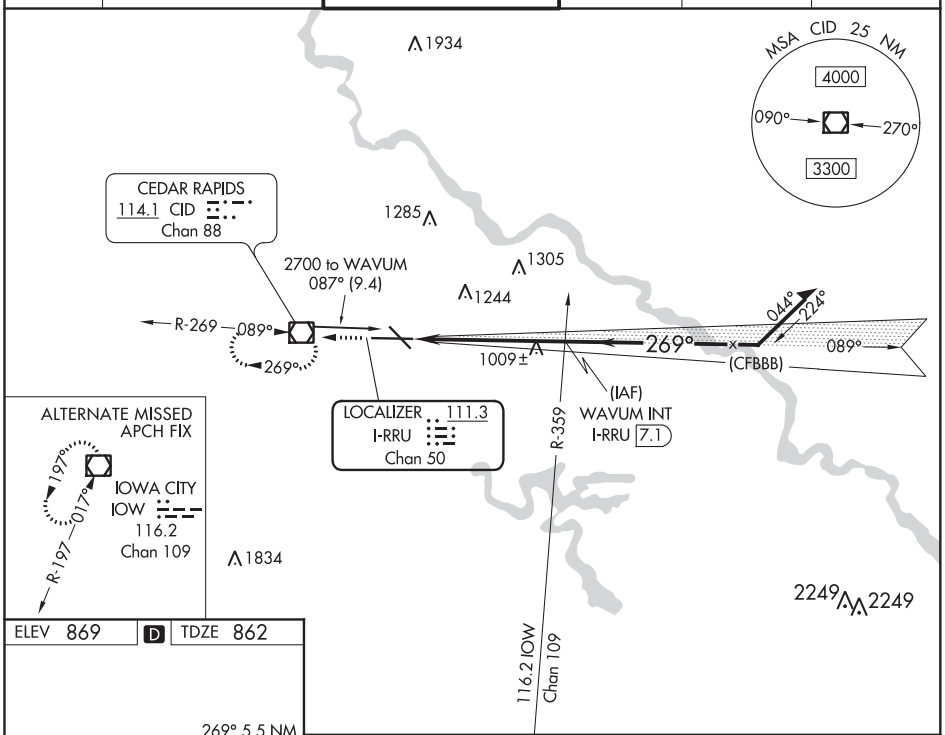
LOC/DME I-RRU	APP CRS	Rwy ldg	8175
111.3	269°	TDZE	862
Chan 50		Apt Elev	869

VDP NA with Iowa City altimeter setting. Autopilot coupled approach NA below 1910. When local altimeter setting not received, use Iowa City altimeter setting increase DA 64 feet and all MDA 80 feet, increase S-LOC Cat C and D visibility to RVR 5000. # RVR 1800 authorized with use of FD or HUD to DA (NA when using Iowa City altimeter setting).

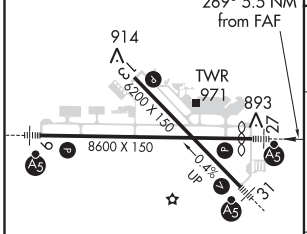
MALSR

MISSED APPROACH: Climb to 2900 direct CID VOR/DME and hold, continue climb-in-hold to 2900.

ATIS	CEDAR RAPIDS APP CON★	CEDAR RAPIDS TOWER★	GND CON	CLNC DEL	UNICOM
124.15	119.7 266.8	118.7 (CTAF) L 266.8	121.6	125.45	122.95

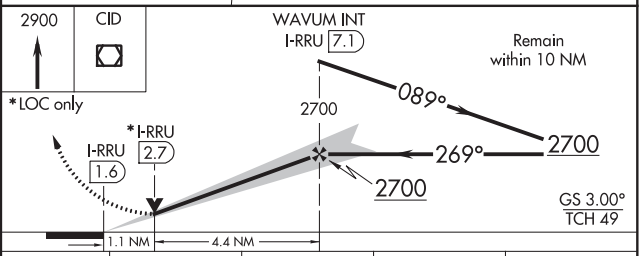


ELEV 869 D TDZE 862



MIRL Rwy 13-31 L
HIRL Rwy 9-27 L
REIL Rwy 13

FAF to MAP 5.5 NM					
Knots	60	90	120	150	180
Min:Sec	5:30	3:40	2:45	2:12	1:50



CATEGORY	A	B	C	D
S-ILS 27 #	1062/24 200 (200-½)			
S-LOC 27	1260/24 398 (400-½)		1260/35 398 (400-⅝)	
CIRCLING	1280-1 411 (500-1)	1320-1 451 (500-1)	1320-1½ 451 (500-1½)	1420-2 551 (600-2)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 77603 W09A	APP CRS 089°	Rwy ldg 8175 TDZE 857 Apt Elev 869

RNAV (GPS) RWY 9
THE EASTERN IOWA (CID)

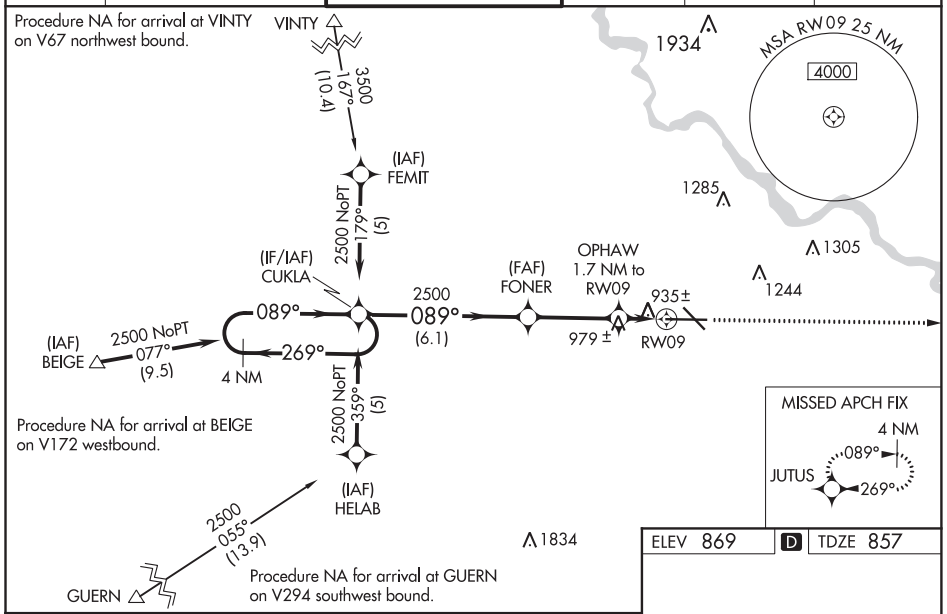
Baro-VNAV NA when using Iowa City altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (116°F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Iowa City altimeter setting and increase all DA 64 feet and all MDA 80 feet; increase LNAV/VNAV all Cats visibility to RVR 5000 and LNAV Cat C to RVR 4000. For inoperative MALSR increase LNAV Cat D visibility to RVR 6000. VDP NA with Iowa City altimeter setting. When using Iowa City altimeter setting; for inoperative MALSR, increase LPV all Cats visibility to RVR 5000, LNAV Cat C visibility to RVR 6000 and LNAV Cat D visibility to 1½ miles.

#RVR 1800 authorized with use of FD or AP or HUD to DA, NA when using Iowa City altimeter setting.

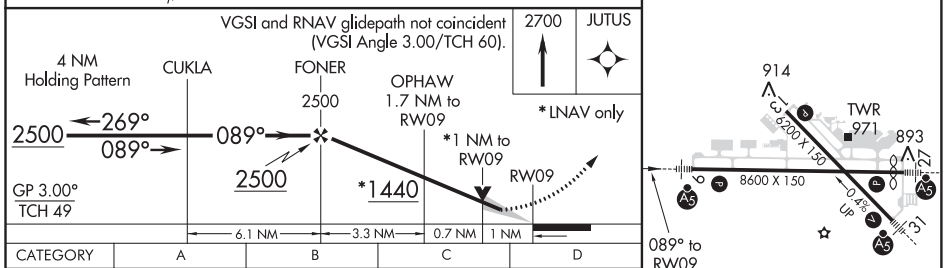
MALSR

MISSED APPROACH: Climb to 2700 direct JUTUS and hold.

ATIS	CEDAR RAPIDS APP CON*	CEDAR RAPIDS TOWER*	GND CON	CLNC DEL	UNICOM
124.15	119.7 266.8	118.7 (CTAF) L 266.8	121.6	125.45	122.95



ELEV 869	D	TDZE 857



CATEGORY	A	B	C	D
LPV DA#	1057/24 200 (200-½)			
LNAV/VNAV DA	1204/40 347 (400-¾)			
LNAV MDA	1240/24 383 (400-½)			1240/50 383(400-1)
CIRCLING	1280-1 411 (500-1)	1320-1 451 (500-1)	1320-1½ 451 (500-1½)	1420-2 551 (600-2)

MIRL Rwy 13-31 L
HIRL Rwy 9-27 L
REIL Rwy 13

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 86201 W13A	APP CRS 134°	Rwy ldg 6200 TDZE 869 Apt Elev 869

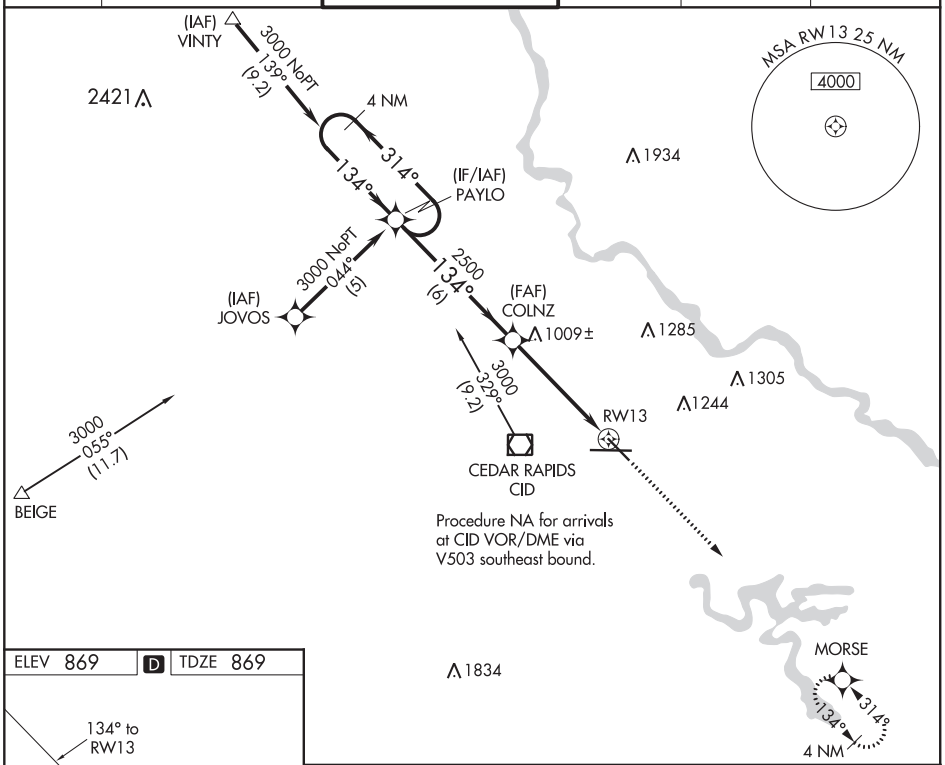
RNAV (GPS) RWY 13
THE EASTERN IOWA (CID)

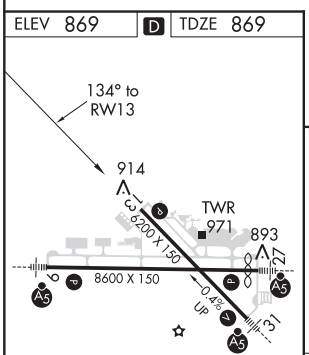
RNP APCH.

Baro-VNAV NA below -16°C (4°F).

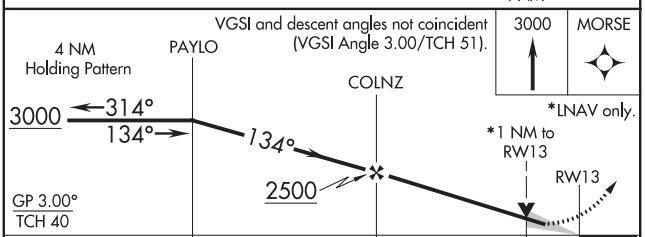
MISSED APPROACH: Climb to 3000 direct MORSE and hold.

ATIS	CEDAR RAPIDS APP CON★	CEDAR RAPIDS TOWER★	GND CON	CLNC DEL	UNICOM
124.15	119.7 266.8	118.7 (CTAF) L 266.8	121.6	125.45	122.95





MIRL Rwy 13-31 L
HIRL Rwy 9-27 L
REIL Rwy 13



CATEGORY	A	B	C	D
LPV DA	1120-1 251 (300-1)			
LNAV/VNAV DA	1200-1¼ 331 (400-1¼)			
LNAV MDA	1260-1 391 (400-1)			1260-1¼ 391 (400-1¼)

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 72902 W27A	APP CRS 269°	Rwy ldg 8175 TDZE 862 Apt Elev 869

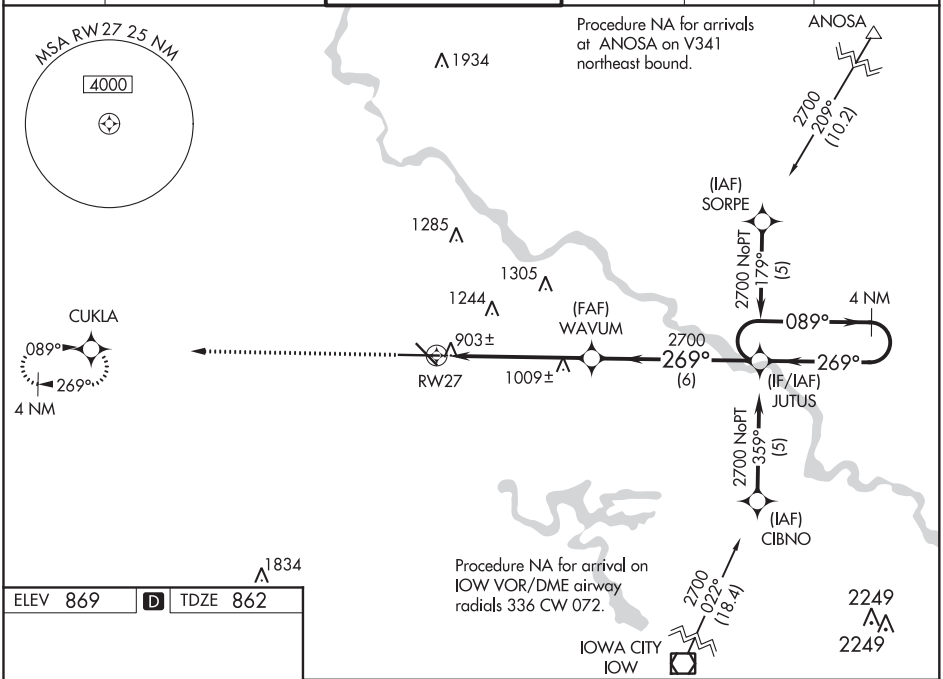
RNAV (GPS) RWY 27
THE EASTERN IOWA (CID)

Baro-VNAV NA when using Iowa City altimeter setting.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (116°F). DME/DME RNP-0.3 NA. If local altimeter setting not received, use Iowa City altimeter setting and increase all DAs/MDAs 80 feet.
For inop MALSR increase LNAV/VNAV Cat D visibility to RVR 5000 and LNAV Cat D visibility to RVR 6000. VDP NA when using Iowa City altimeter setting.

MALSR

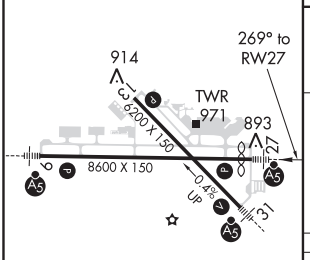
MISSED APPROACH: Climb to 2500 direct CUKLA and hold.

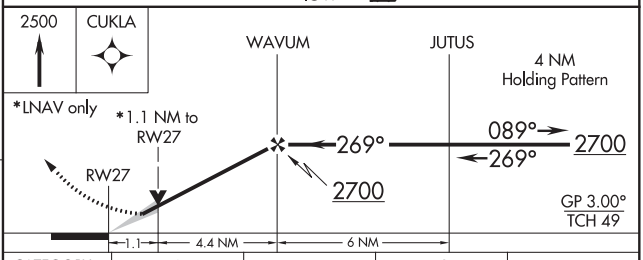
ATIS	CEDAR RAPIDS APP CON*	CEDAR RAPIDS TOWER*	GND CON	CLNC DEL	UNICOM
124.15	119.7 266.8	118.7 (CTAF) L 266.8	121.6	125.45	122.95



NC-3, 25 FEB 2021 to 22 APR 2021

ELEV 869 | D | TDZE 862





CATEGORY	A	B	C	D
LPV DA	1112/24 250 (300-½)			
LNAV/VNAV DA	1163/24 301 (300-½)			1163/40 301 (300-¾)
LNAV MDA	1260/24 398 (400-½)			1260/50 398 (400-1)
CIRCLING	1280-1 411 (500-1)	1320-1 451 (500-1)	1320-1½ 451 (500-1½)	1420-2 551 (600-2)

MIRL Rwy 13-31 L
HIRL Rwy 9-27 L
REIL Rwy 13

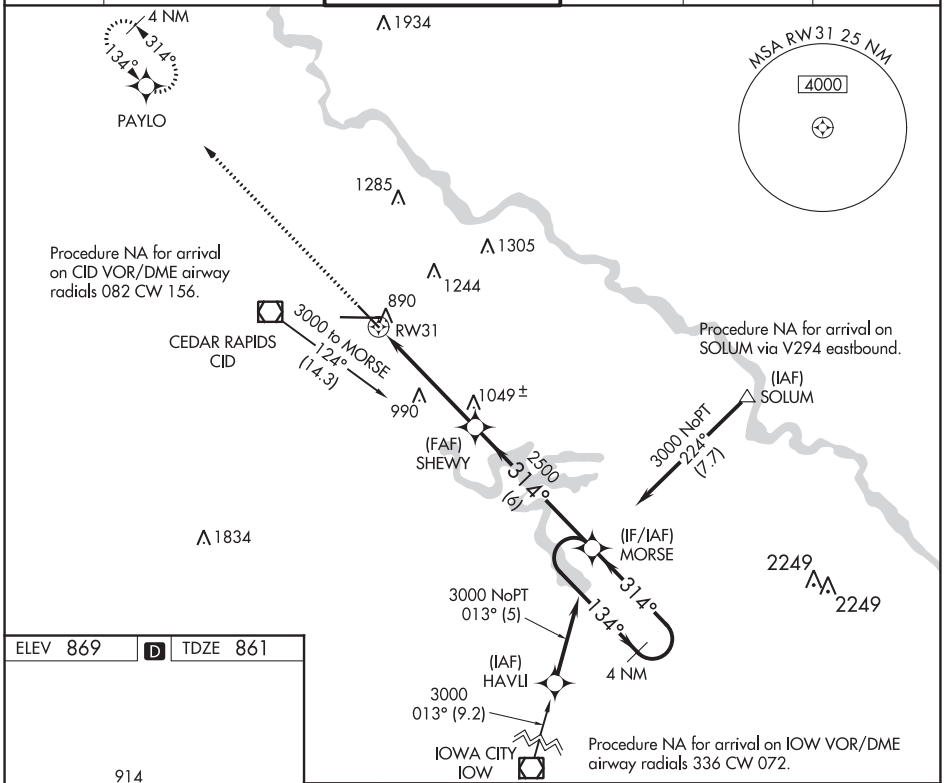
NC-3, 25 FEB 2021 to 22 APR 2021

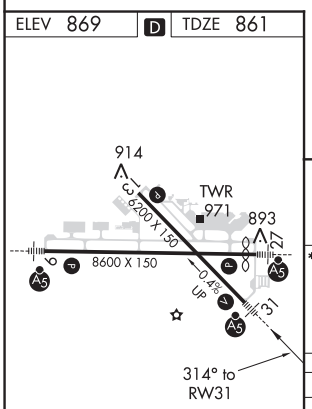
WAAS CH 77503 W31A	APP CRS 314°	Rwy ldg 6200 TDZE 861 Apt Elev 869

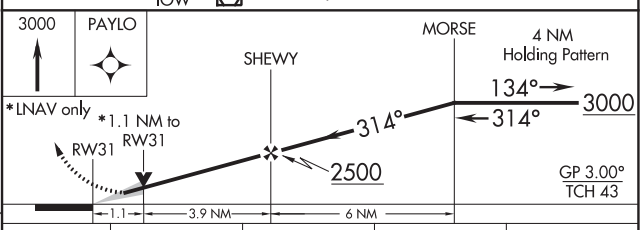
RNAV (GPS) RWY 31
THE EASTERN IOWA (CID)

RNP APCH.	MALSR	
Baro-VNAV NA below -16°C (4°F).		MISSED APPROACH: Climb to 3000 direct PAYLO and hold.

ATIS	CEDAR RAPIDS APP CON★	CEDAR RAPIDS TOWER★	GND CON	CLNC DEL	UNICOM
124.15	119.7 266.8	118.7 (CTAF) L 266.8	121.6	125.45	122.95







CATEGORY	A	B	C	D
LPV DA	1120-½ 259 (300-½)			
LNAV/VNAV DA	1140-½ 279 (300-½)			1140-¾ 279 (300-¾)
LNAV MDA	1240-½ 379 (400-½)			1240-1 379 (400-1)

MIRL Rwy 13-31 L
HIRL Rwy 9-27 L
REIL Rwy 13

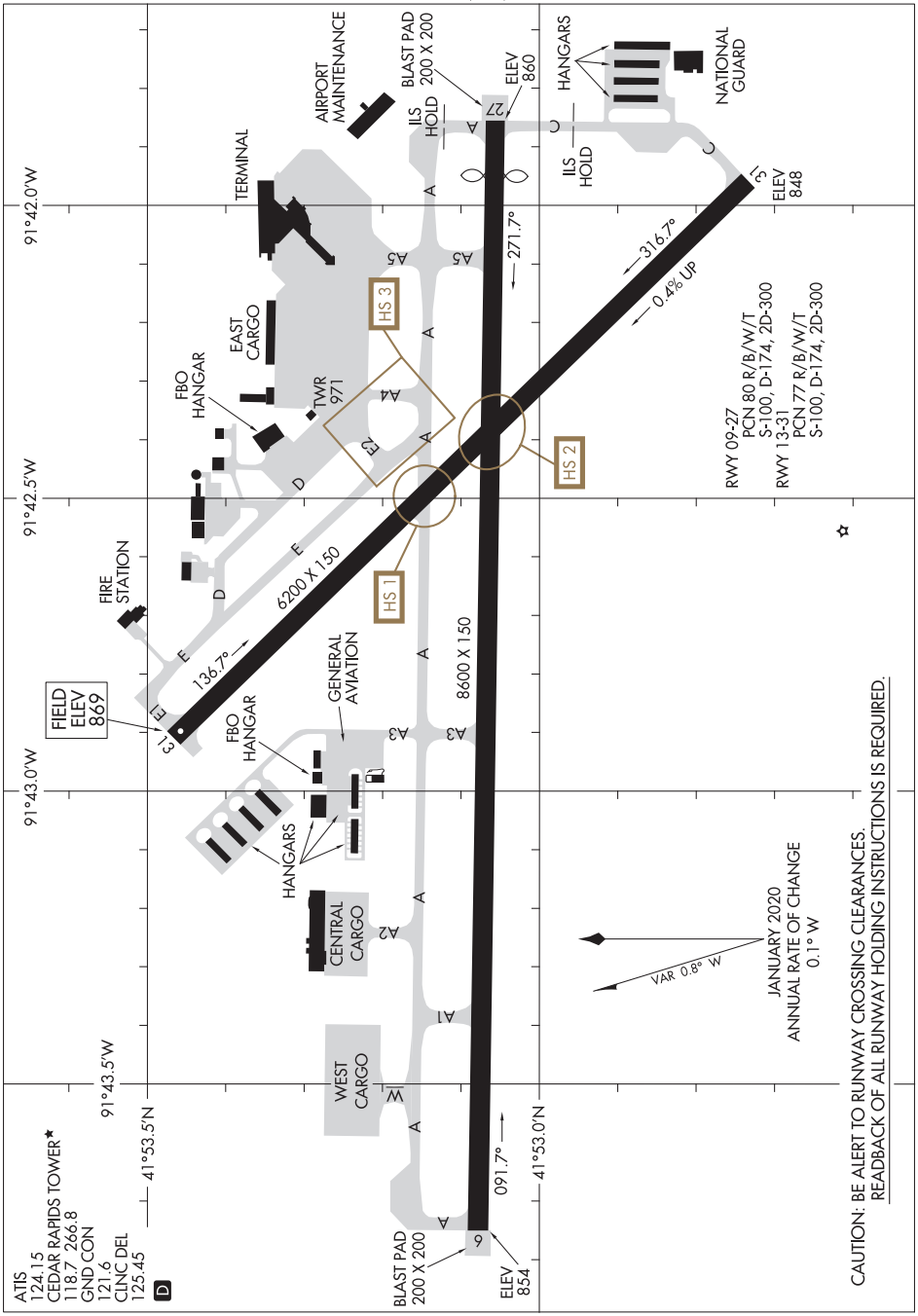
NC-3, 25 FEB 2021 to 22 APR 2021

20142

AIRPORT DIAGRAM

THE EASTERN IOWA (CID)
CEDAR RAPIDS, IOWA

AL-250 (FAA)



NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

AIRPORT DIAGRAM
20142
CEDAR RAPIDS, IOWA
THE EASTERN IOWA (CID)

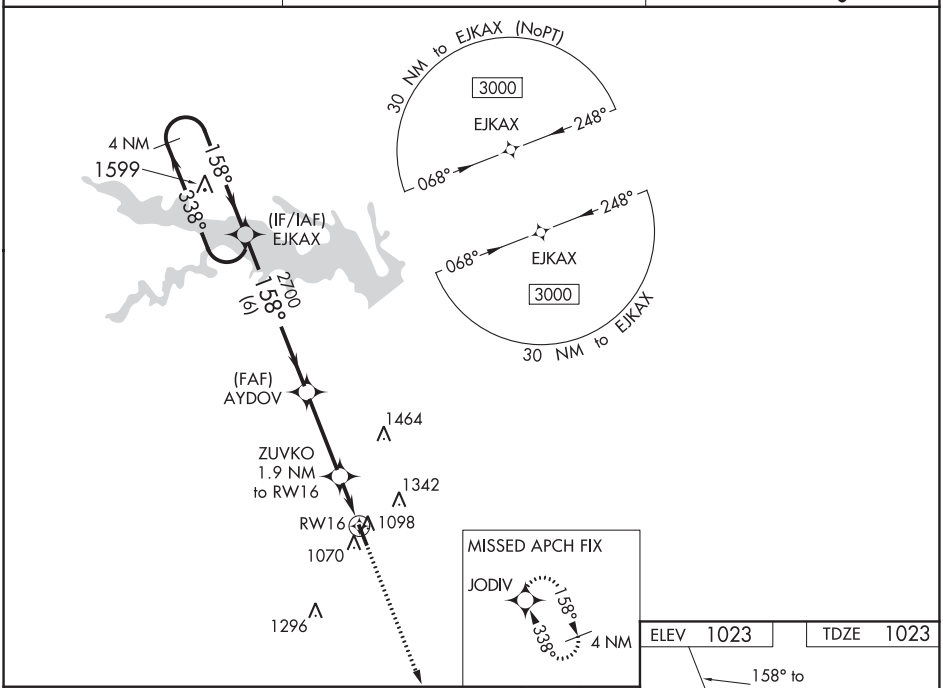
WAAS Ch 70440 W16A	APP CRS 158°	Rwy ldg 4099 TDZE 1023 Apt Elev 1023

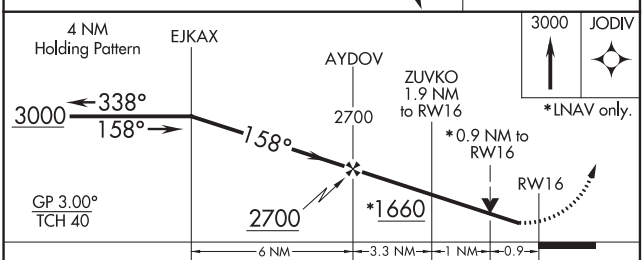
RNAV (GPS) RWY 16
CENTERVILLE MUNI (TVK)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Rwy 16 helicopter visibility reduction below ¾ SM NA. Baro-VNAV and VDP NA when using Chariton altimeter setting. When local altimeter setting not received, use Chariton altimeter setting and increase all DA 71 feet and all visibilities ⅛ SM and all MDA 80 feet.

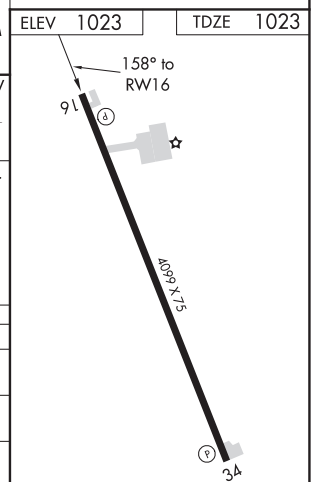
MISSED APPROACH: Climb to 3000 direct JODIV and hold.

AWOS-3	CHICAGO CENTER	UNICOM
123.775	118.15 335.575	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1273-1 250 (300-1)		NA	
LNAV/ VNAV DA	1273-1 250 (300-1)		NA	
LNAV MDA	1360-1 337 (400-1)		NA	
C CIRCLING	1420-1 397 (400-1)	1480-1 457 (500-1)	NA	



REIL Rwys 16 and 34 L
MIRL Rwy 16-34 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

CENTERVILLE, IOWA | AL-6869 (FAA) | 20198

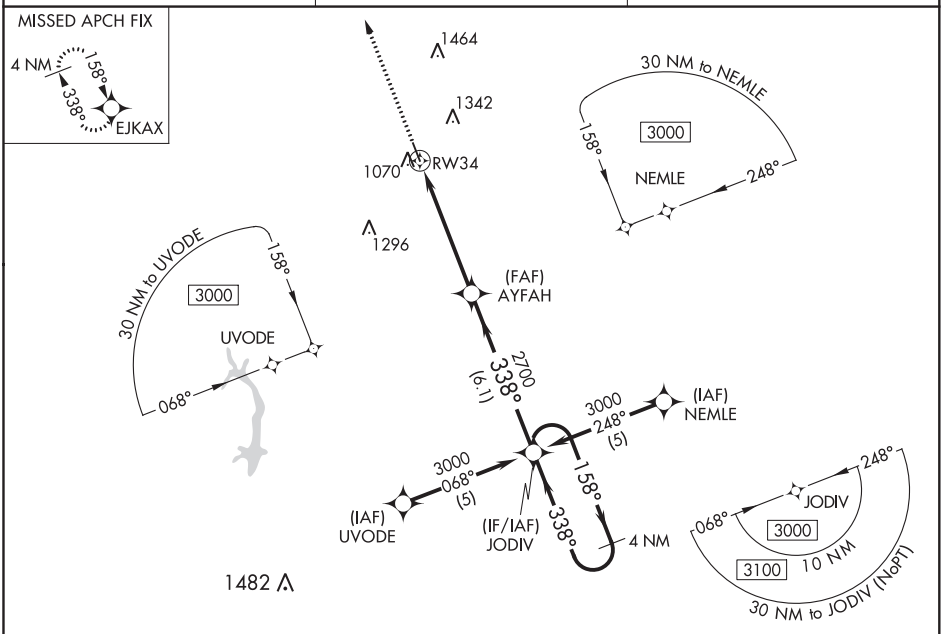
RNAV (GPS) RWY 34
CENTERVILLE MUNI (TVK)

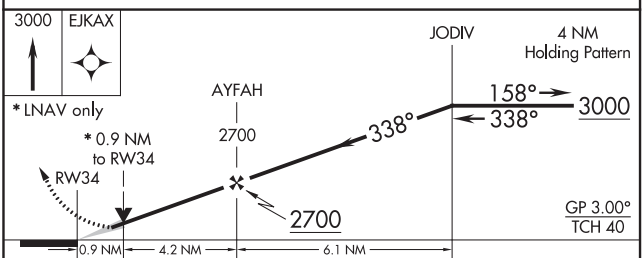
WAAS CH 86517 W34A	APP CRS 338°	Rwy ldg 4099 TDZE 1023 Apt Elev 1023

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 46°C (114°F). DME/DME RNP-0.3 NA. Baro-VNAV and VDP NA when using Chariton altimeter setting. When local altimeter setting not received, use Chariton altimeter setting and increase all DA 71 feet and all MDA 80 feet. Increase LPV and LNAV/VNAV all Cats visibility ¼ SM.

MISSED APPROACH: Climb to 3000 direct EJKAX and hold.

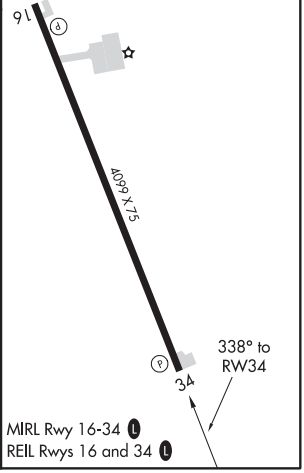
AWOS-3	CHICAGO CENTER	UNICOM
123.775	118.15 335.575	122.8 (CTAF) L





CATEGORY		A	B	C	D
LPV	DA	1273-1	250 (300-1)	NA	
LNAV/VNAV	DA	1349-1¼	326 (400-1¼)	NA	
LNAV	MDA	1500-1	477 (500-1)	NA	
C CIRCLING		1500-1	477 (500-1)	NA	

ELEV 1023	TDZE 1023



NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

RNAV (GPS) RWY 10
CHARITON MUNI (CNC)

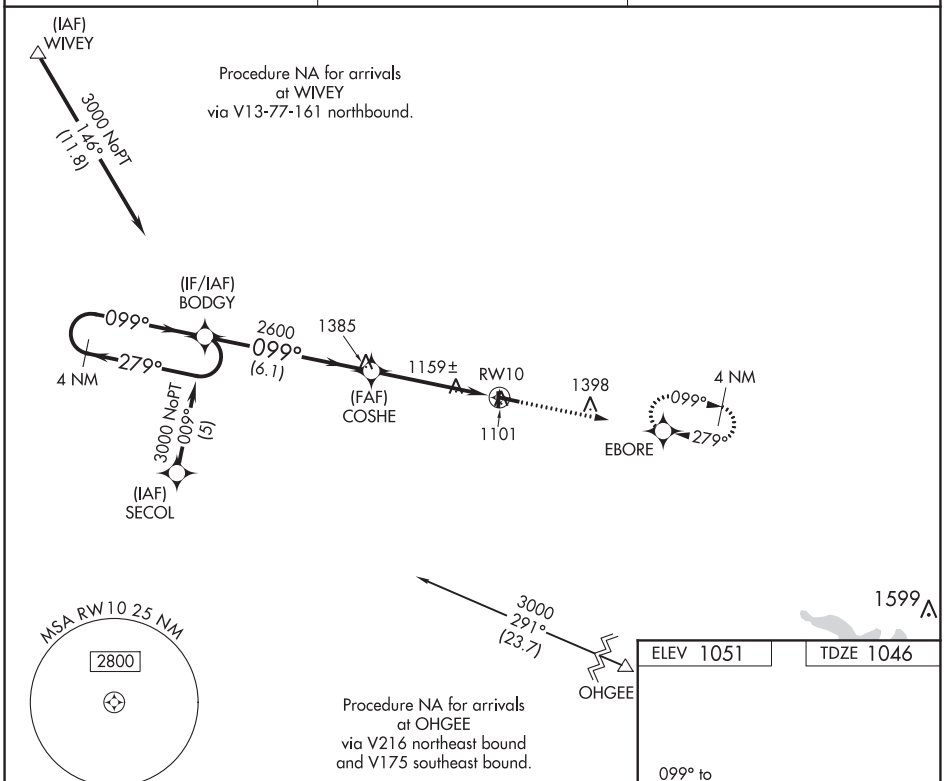
APP CRS	Rwy ldg	4000
099°	TDZE	1046
	Apt Elev	1051

RNP APCH.

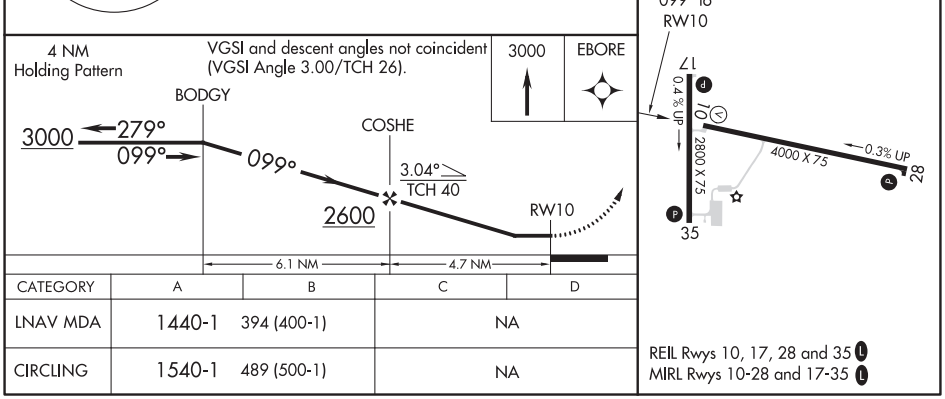
When local altimeter setting not received, use Lamoni altimeter setting and increase all MDA 100 feet. Procedure NA at night. Rwy 10 helicopter visibility reduction below 1 SM NA.

MISSED APPROACH: Climb to 3000 direct EBORE and hold.

AWOS-3	DES MOINES APP CON	UNICOM
125.525	135.2 360.7	122.8 (CTAF) L



ELEV 1051	TDZE 1046



CATEGORY	A	B	C	D
LNAV MDA	1440-1 394 (400-1)		NA	
CIRCLING	1540-1 489 (500-1)		NA	

REIL Rwys 10, 17, 28 and 35 L
MIRL Rwys 10-28 and 17-35 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

CHARITON, IOWA | AL-6068 (FAA) | 19115

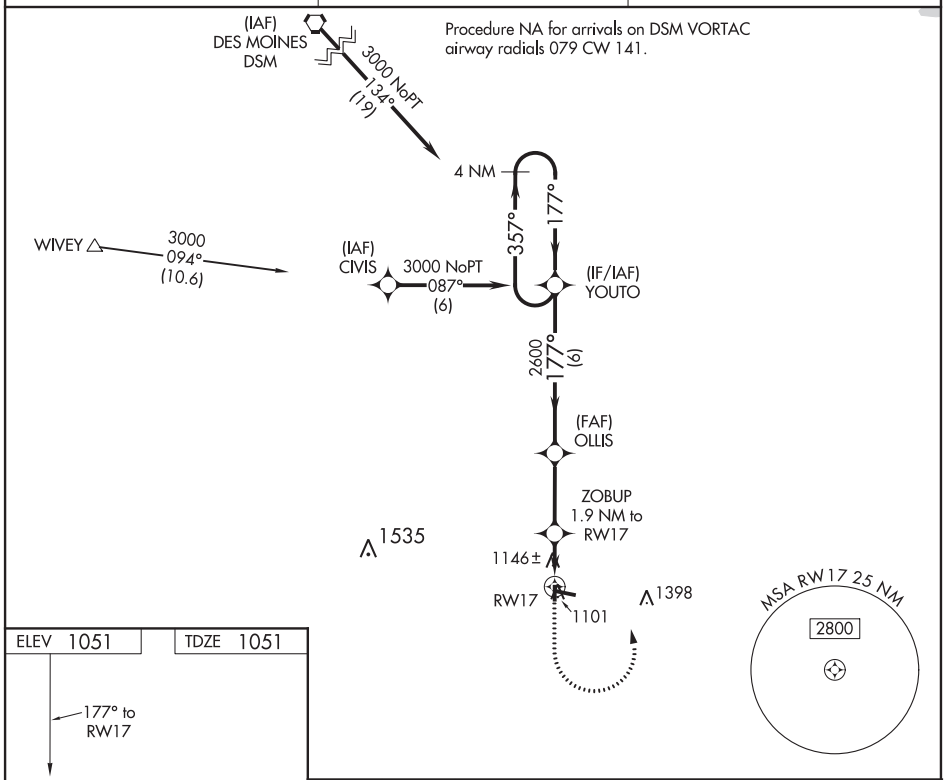
RNAV (GPS) RWY 17
CHARITON MUNI (CNC)

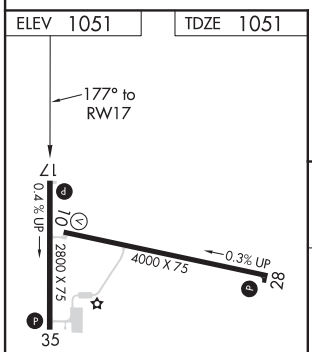
APP CRS	Rwy ldg	2800
177°	TDZE	1051
	Apt Elev	1051

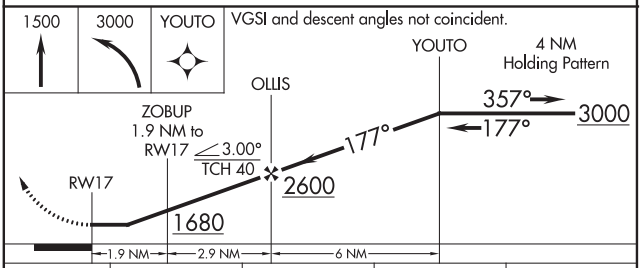
DME/DME RNP-0.3 NA. Helicopter visibility reduction below 1 SM NA. When local altimeter setting not received, use Lamoni altimeter setting and increase all MDA 100 feet. Procedure NA at night.

MISSED APPROACH: Climb to 1500 then climbing left turn to 3000 direct YOUTO and hold.

AWOS-3	DES MOINES APP CON	UNICOM
125.525	135.2 360.7	122.8 (CTAF) L







CATEGORY	A	B	C	D
LNAV MDA	1400-1	349 (400-1)	NA	
CIRCLING	1540-1	489 (500-1)	NA	

REIL Rwys 10, 17, 28 and 35 L
MIRL Rwys 10-28 and 17-35 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

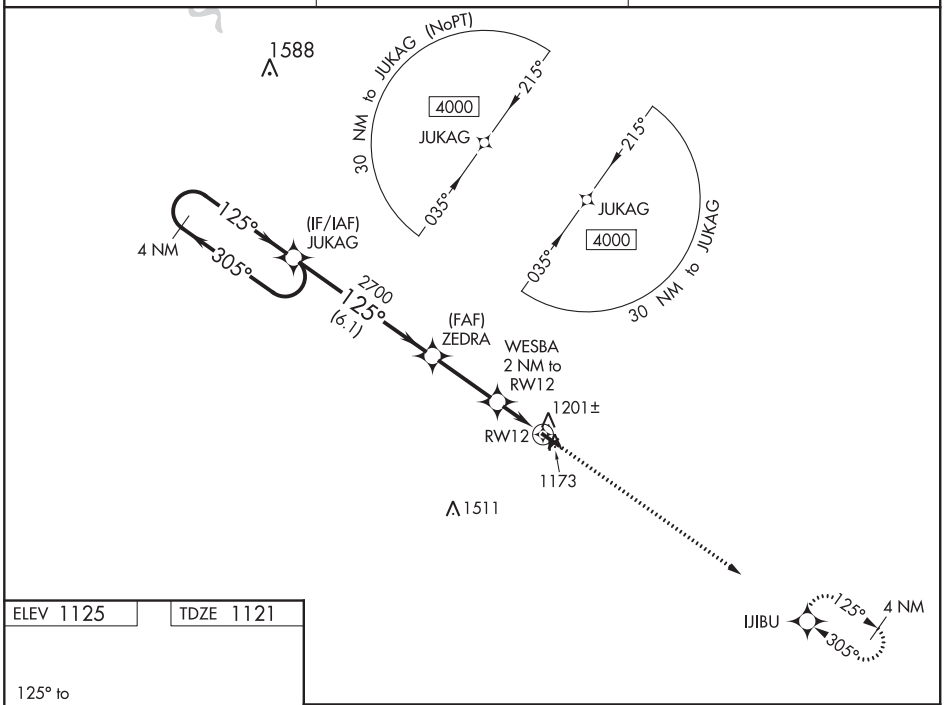
WAAS CH 58038 W12A	APP CRS 125°	Rwy ldg 4000 TDZE 1121 Apt Elev 1125

RNAV (GPS) RWY 12
NORTHEAST IOWA RGNL (CCY)

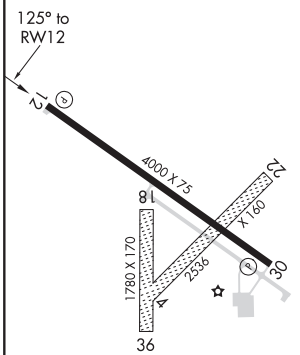
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Waterloo altimeter setting and increase all DA 110 feet and visibilities ¼ mile. Increase all MDA 120 feet and increase LNAV Cat C visibility ⅜ mile, and Circling visibility Cat C ½ mile. VDP and Baro-VNAV NA when using Waterloo altimeter setting. Circling Rwy 4-22 and 18-36 NA.

MISSED APPROACH: Climb to 4000 direct IJIBU and hold, continue climb-in-hold to 4000.

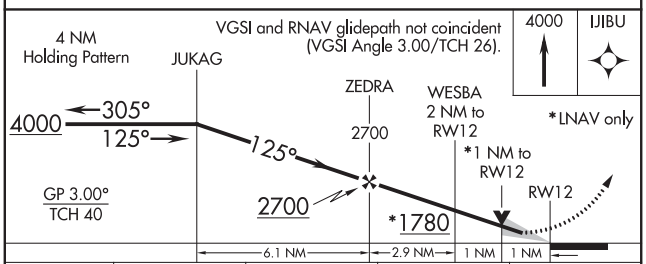
AWOS-3	WATERLOO APP CON ★	UNICOM
125.525	118.9 251.15	122.8 (CTAF) L



ELEV 1125 TDZE 1121



MIRL Rwy 12-30 L
REIL Rwys 12 and 30 L



CATEGORY	A	B	C	D
LPV DA	1371-1 250 (300-1)			NA
LNAV/VNAV DA	1371-1 250 (300-1)			NA
LNAV MDA	1460-1 339 (400-1)			NA
C CIRCLING	1520-1 395 (400-1)	1580-1 455 (500-1)	1760-1¾ 635 (700-1¾)	NA

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

CHARLES CITY, IOWA | AL-5329 (FAA) | 19171

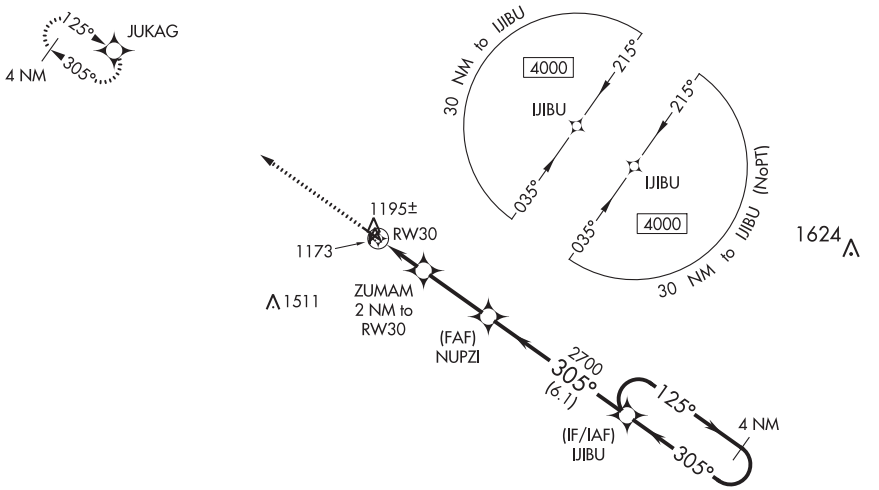
RNAV (GPS) RWY 30
NORTHEAST IOWA RGNL (CCY)

WAAS CH 82438 W30A	APP CRS 305°	Rwy ldg 4000 / TDZE 1121 / Apt Elev 1125

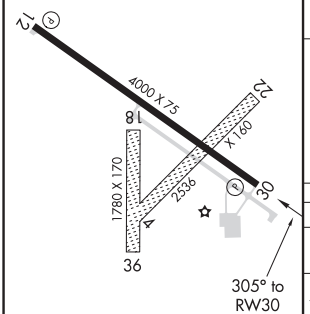
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Helicopter visibility reduction below ¾ SM NA. When local altimeter setting not received, use Waterloo altimeter setting and increase all DA 110 feet and visibility ¼ mile. Increase all MDA 120 feet, increase LNAV Cat C visibility ⅜ mile, and Circling visibility Cat C ½ mile. VDP and Baro-VNAV NA when using Waterloo altimeter setting. Circling Rwys 4-22 and 18-36 NA.

MISSED APPROACH: Climb to 4000 direct JUKAG and hold, continue climb-in-hold to 4000.

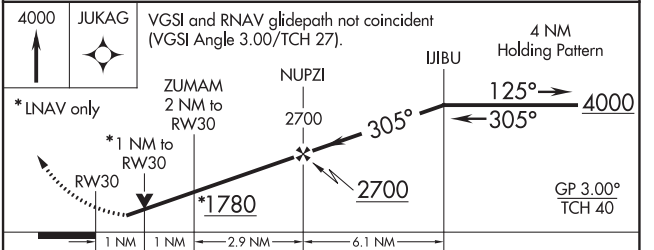
AWOS-3	WATERLOO APP CON ★	UNICOM
125.525	118.9 251.15	122.8 (CTAF) L



ELEV 1125 | TDZE 1121



MIRL Rwy 12-30 L
REIL Rwys 12 and 30 L



CATEGORY		A	B	C	D
LPV	DA	1371-1 250 (300-1)			NA
LNAV/VNAV	DA	1371-1 250 (300-1)			NA
LNAV	MDA	1460-1 339 (400-1)			NA
C CIRCLING		1520-1 395 (400-1)	1580-1 455 (500-1)	1760-1¾ 635 (700-1¾)	NA

NC-3, 25 FEB 2021 to 22 APR 2021

LOC RWY 12
NORTHEAST IOWA RGNL (CCY)

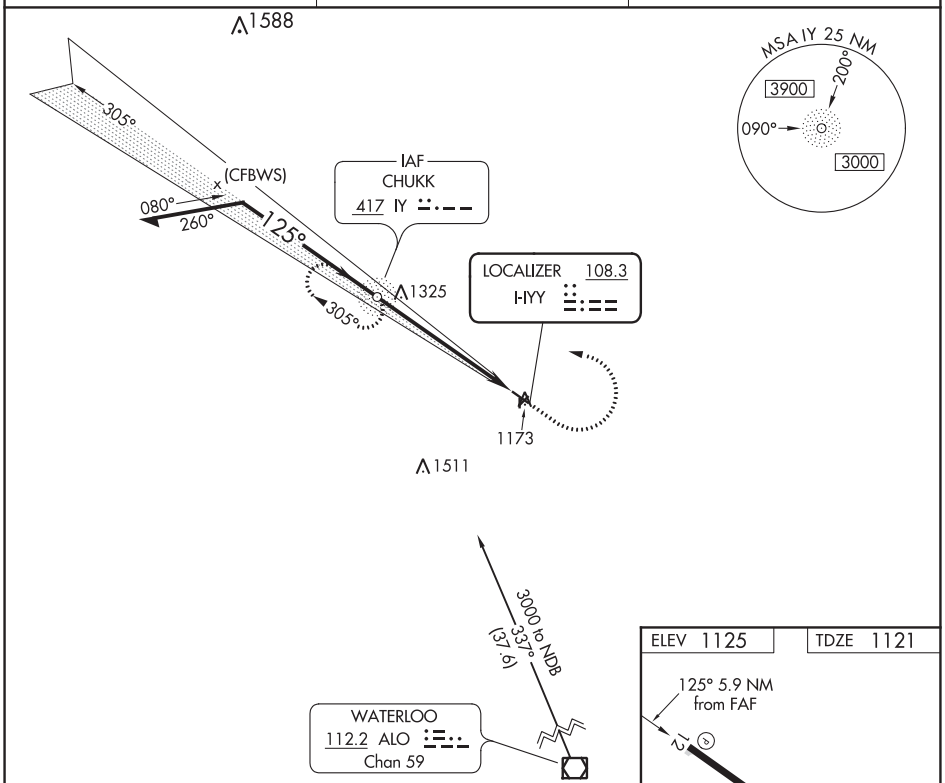
LOC I-IYY	APP CRS	Rwy ldg	4000
108.3	125°	TDZE	1121
		Apt Elev	1125

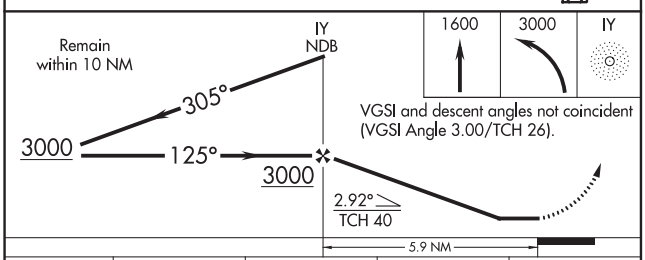
ADF required for procedure entry.

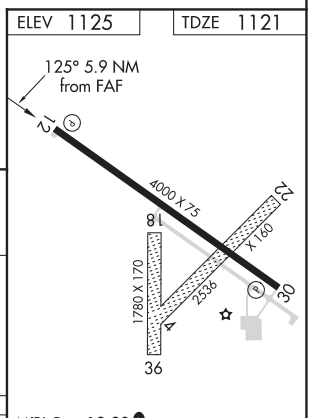
Circling NA to Rwys 4-22 and 18-36. When local altimeter setting not received, use Waterloo altimeter setting and increase all MDA 120 feet, increase S-12 visibility Cat C ⅜ SM and Circling Cat C ½ SM.

MISSED APPROACH: Climb to 1600 then climbing left turn to 3000 direct IY NDB and hold.

AWOS-3	WATERLOO APP CON ★	UNICOM
125.525	118.9 251.15	122.8 (CTAF) L







MIRL Rwy 12-30 L
REIL Rwys 12 and 30 L

CATEGORY	A	B	C	D
S-12	1560-1 439 (500-1)		1560-1¼ 439 (500-1¼)	NA
C CIRCLING	1560-1 435 (500-1)	1580-1 455 (500-1)	1760-1¾ 635 (700-1¾)	NA

FAF to MAP 5.9 NM					
Knots	60	90	120	150	180
Min:Sec	5:54	3:56	2:57	2:22	1:58

CHARLESTON, MISSOURI | AL-6198 (FAA) | 19283

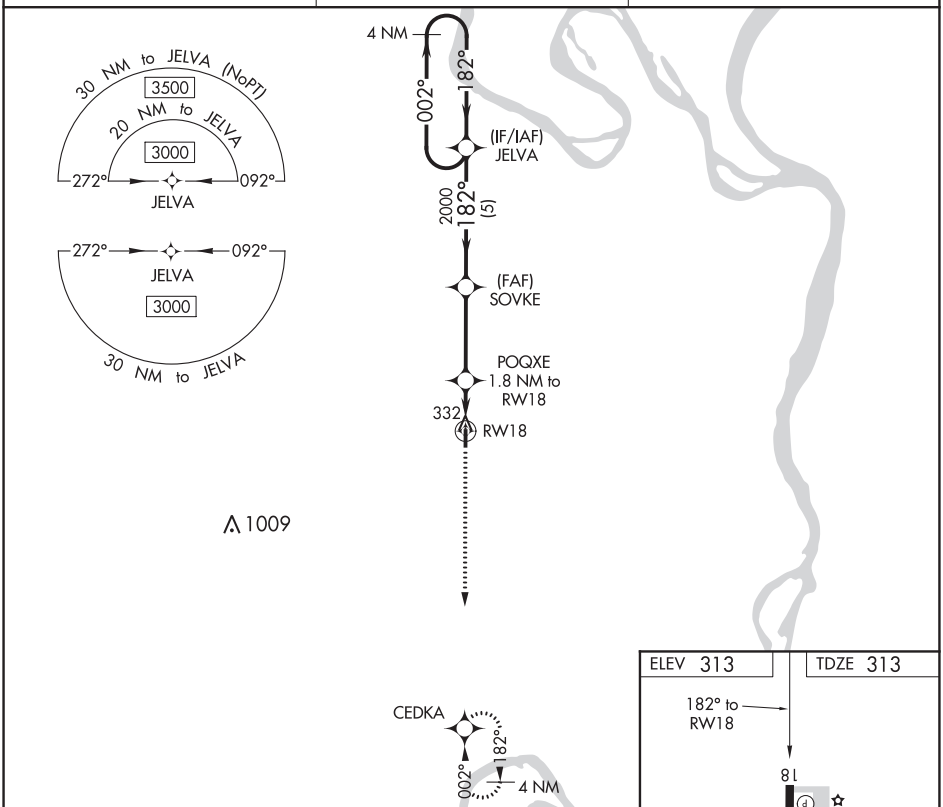
RNAV (GPS) RWY 18
MISSISSIPPI COUNTY (CHQ)

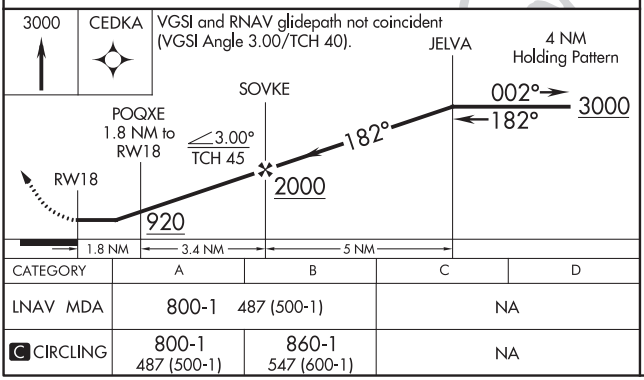
APP CRS	Rwy ldg	3196
182°	TDZE	313
	Apt Elev	313

T A NA — DME/DME RNP -0.3 NA. Procedure NA at night. Use Sikeston altimeter setting, if not received use Cairo altimeter setting and increase all MDA 20 feet. Helicopter visibility reduction below 1 SM NA.

MISSED APPROACH: Climb to 3000 direct CEDKA and hold.

SIK AWOS-3	MEMPHIS CENTER	CTAF
119.175	133.65 292.15	122.9 L





CATEGORY	A	B	C	D
LNAV MDA	800-1 487 (500-1)		NA	
C CIRCLING	800-1 487 (500-1)	860-1 547 (600-1)	NA	

MIRL Rwy 18-36 L
REIL Rwys 18 and 36 L

NC-3, 25 FEB 2021 to 22 APR 2021

APP CRS	Rwy ldg	3196
002°	TDZE	313
	Apt Elev	313

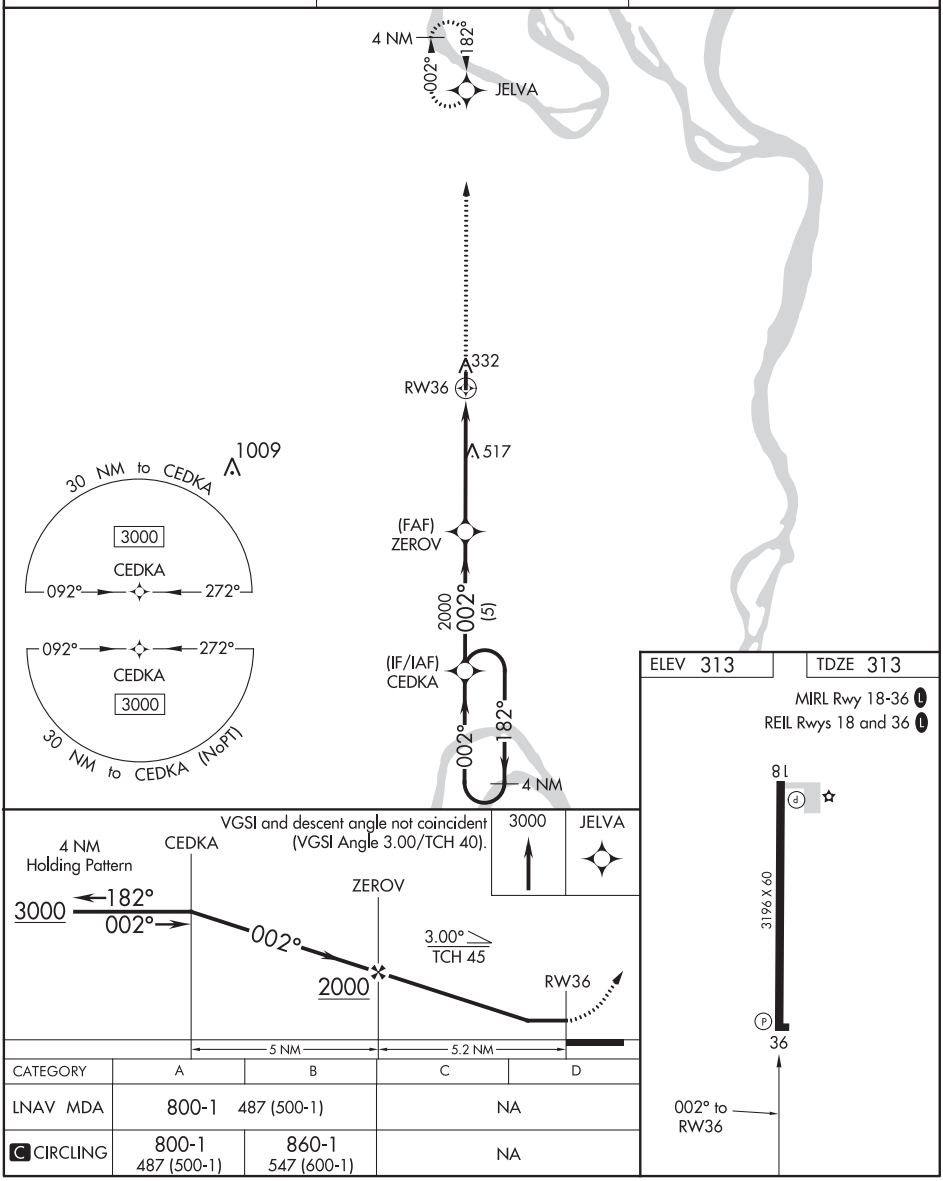
RNAV (GPS) RWY 36
MISSISSIPPI COUNTY (CHQ)

T A NA

DME/DME RNP-0.3 NA. Procedure NA at night. Use Sikeston altimeter setting, when not received use Cairo, IL altimeter setting and increase all MDA 20 feet. Helicopter visibility reduction below 1 SM NA.

MISSED APPROACH: Climb to 3000 direct JELVA and hold.

SIK AWOS-3	MEMPHIS CENTER	CTAF
119.175	133.65 292.15	122.9 L



CATEGORY	A	B	C	D
LNAV MDA	800-1 487 (500-1)		NA	
C CIRCLING	800-1 487 (500-1)	860-1 547 (600-1)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021

CHEROKEE, IOWA | AL-6580 (FAA) | 19059

APP CRS	Rwy ldg	4001
178°	TDZE	1214
	Apt Elev	1226

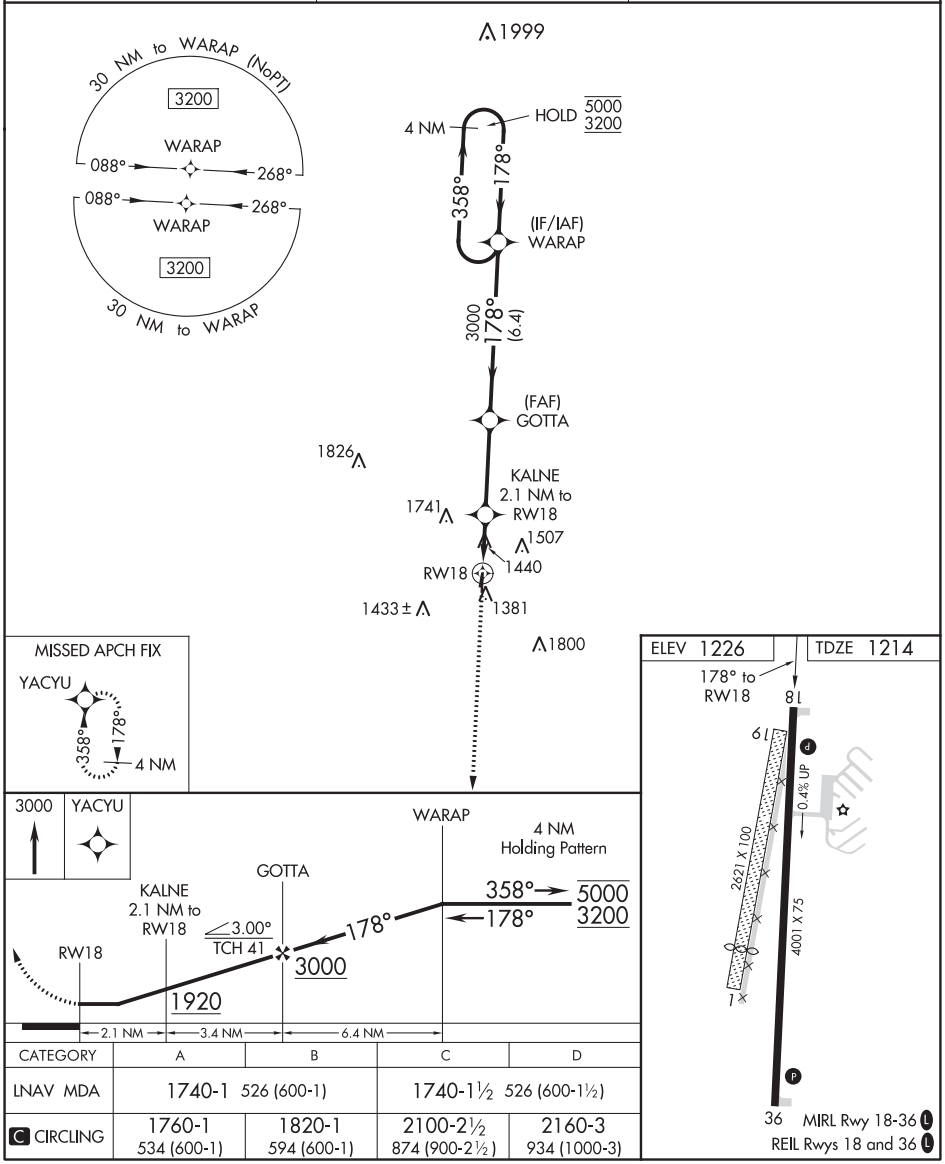
RNAV (GPS) RWY 18
CHEROKEE COUNTY RGNL (CKP)

RNP APCH.

Circling NA to Rwys 1 and 19. Rwy 18 helicopter visibility reduction below 1 SM NA. Rwy 18 Straight-in and Circling NA at night.

MISSED APPROACH: Climb to 3000 direct YACYU and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
119.225	125.025 235.625	122.8 (CTAF) L



CATEGORY	A	B	C	D
LNAV MDA	1740-1 526 (600-1)		1740-1½ 526 (600-1½)	
C CIRCLING	1760-1 534 (600-1)	1820-1 594 (600-1)	2100-2½ 874 (900-2½)	2160-3 934 (1000-3)

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 73042 W36A	APP CRS 358°	Rwy ldg 4001 TDZE 1226 Apt Elev 1226

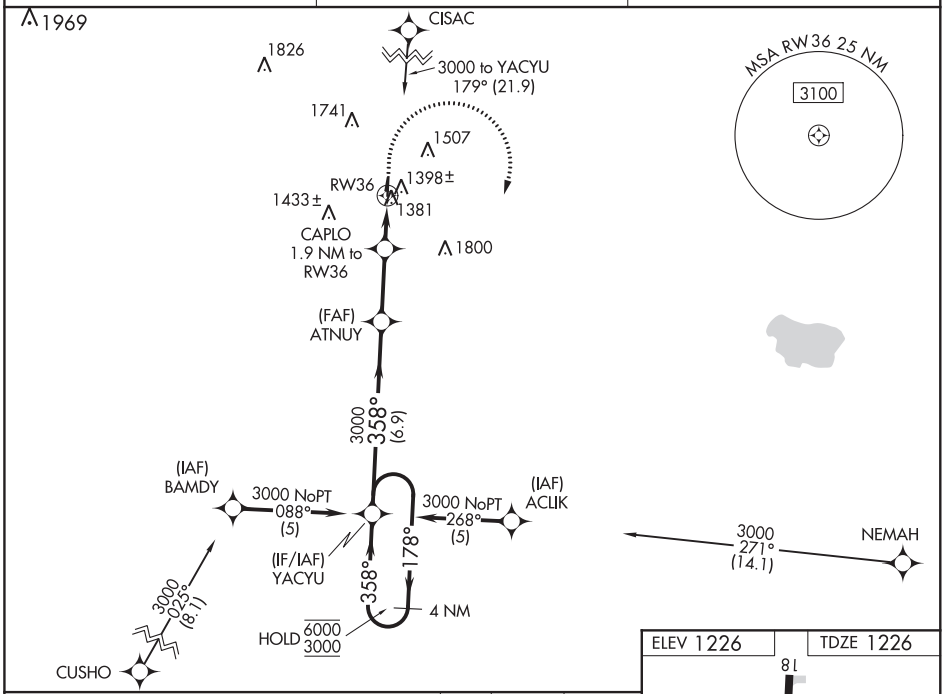
RNAV (GPS) RWY 36
CHEROKEE COUNTY RGNL (CKP)

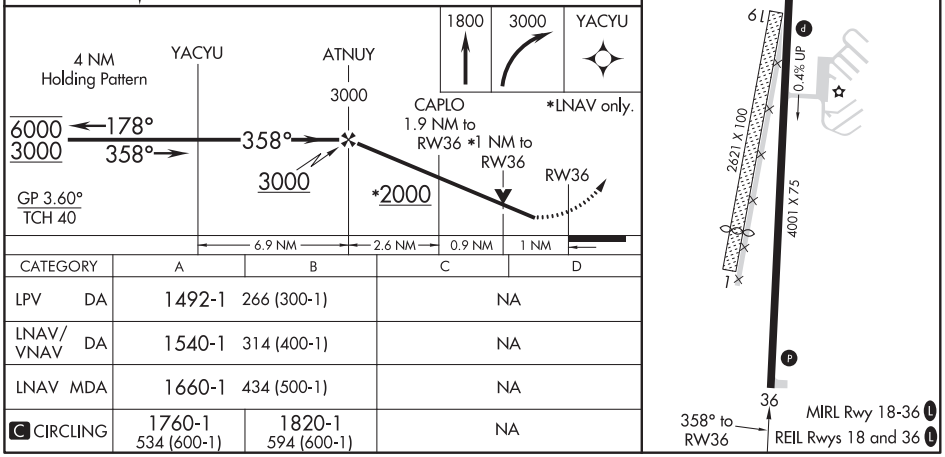
RNP APCH.

T Rwy 36 helicopter visibility reduction below ¾ SM NA. Circling to Rwy 1-19 NA. Circling Rwy 18 NA at night.

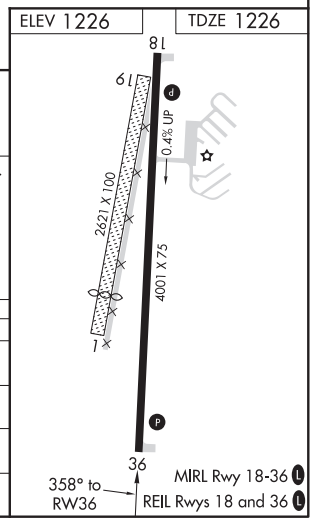
MISSED APPROACH: Climb to 1800 then climbing right turn to 3000 direct YACYU and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
119.225	125.025 235.625	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1492-1	266 (300-1)	NA	
LNAV/VNAV DA	1540-1	314 (400-1)	NA	
LNAV MDA	1660-1	434 (500-1)	NA	
C CIRCLING	1760-1 534 (600-1)	1820-1 594 (600-1)	NA	



NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

CHILLICOTHE, MISSOURI | AL-6057 (FAA) | 20366

RNAV (GPS) RWY 14
CHILLICOTHE MUNI (CHT)

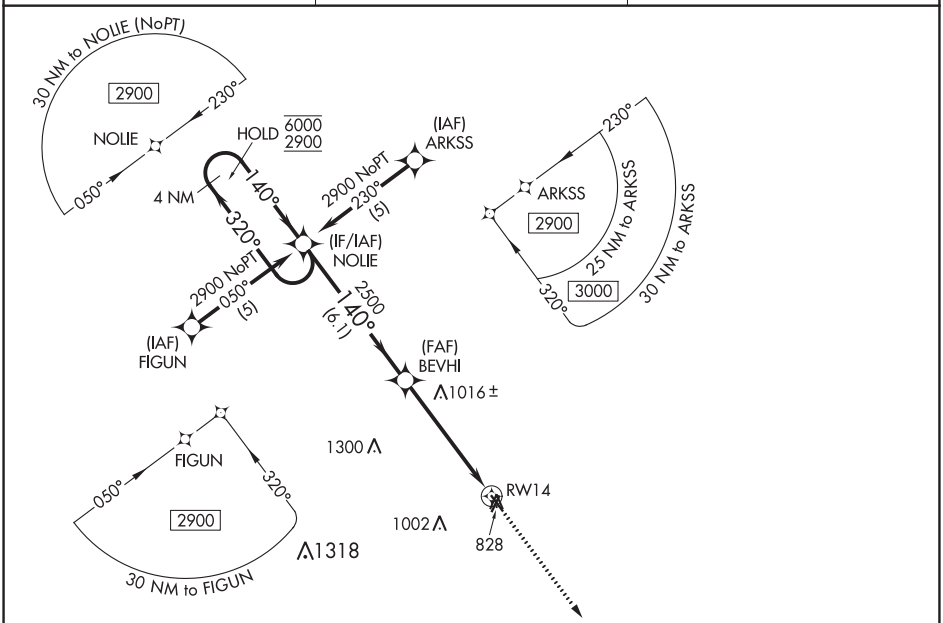
APP CRS	Rwy ldg	3899
140°	TDZE	783
	Apt Elev	783

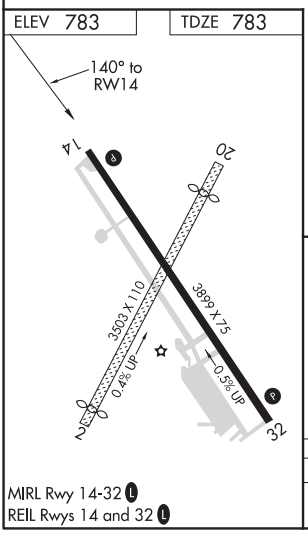
RNP APCH.

NA — Rwy 14 helicopter visibility reduction below 1 SM NA. Procedure NA at night. When local altimeter setting not received, use Kansas City Intl altimeter setting and increase all MDA 200 feet.

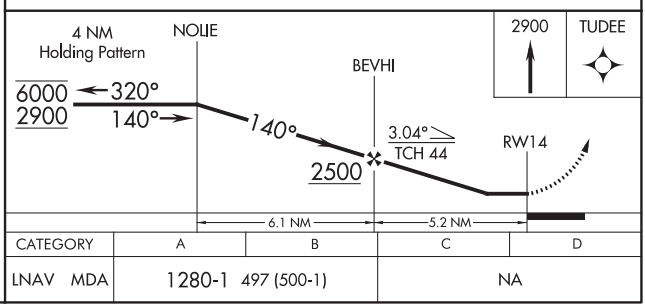
MISSED APPROACH: Climb to 2900 direct TUDEE and hold.

AWOS-3	KANSAS CITY CENTER	UNICOM
118.175	125.25 235.975	122.8 (CTAF) L





MIRL Rwy 14-32 L
REIL Rwys 14 and 32 L



CATEGORY	A	B	C	D
LNAV MDA	1280-1 497 (500-1)		NA	

CHILLICOTHE, MISSOURI
Orig-B 18JUL19

39°47′N-93°30′W

CHILLICOTHE MUNI (CHT)
RNAV (GPS) RWY 14

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH **70413** **W32A**	APP CRS **320°**	Rwy ldg **3899** TDZE **782** Apt Elev **783**

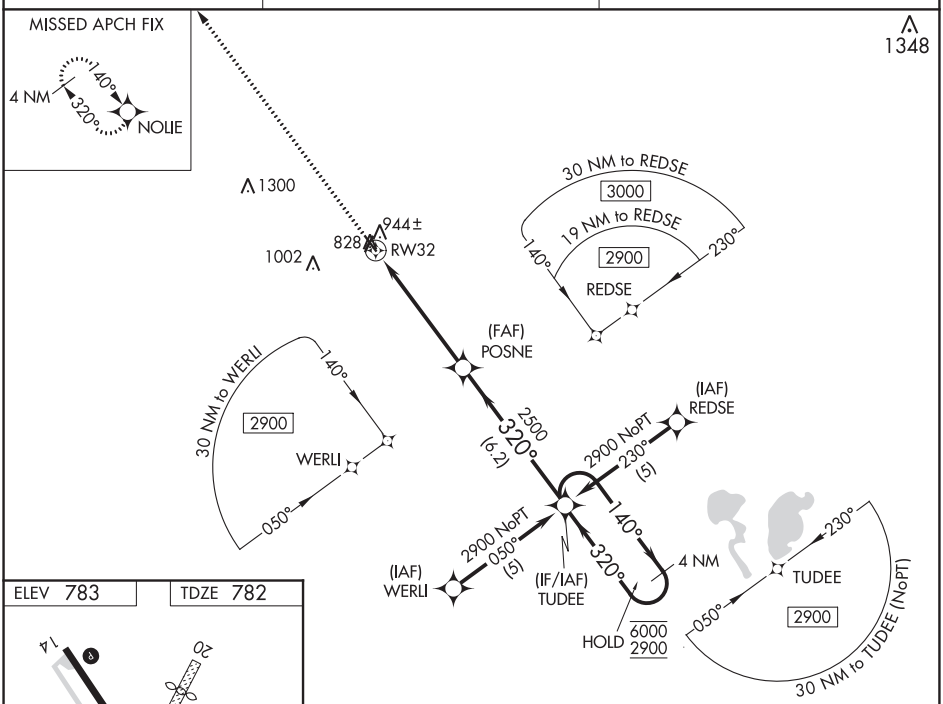
RNAV (GPS) RWY 32
CHILLICOTHE MUNI (CHT)

RNP APCH.

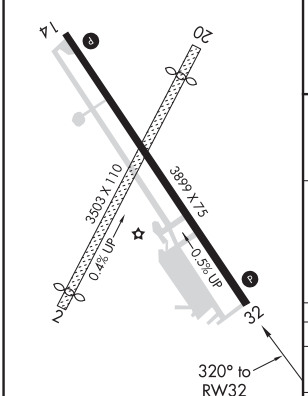
T A NA Baro-VNAV and VDP NA when using Kansas City Intl altimeter setting. Rwy 32 helicopter visibility reduction below ¾ SM NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C or above 54°C. When local altimeter setting not received, use Kansas City Intl altimeter setting and increase LPV DA to 1329 and LNAV/VNAV DA to 1335 and all MDA 200 feet, increase all LPV visibilities ⅜ SM and LNAV/VNAV visibilities ⅛ SM.

MISSED APPROACH: Climb to 2900 direct NOLIE and hold.

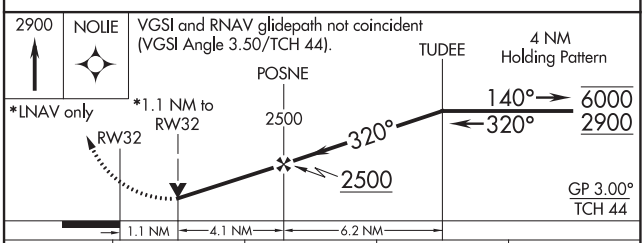
AWOS-3	KANSAS CITY CENTER	UNICOM
118.175	**125.25 235.975**	**122.8** (CTAF) L



ELEV 783 TDZE 782



MIRL Rwy 14-32 L
REIL Rwys 14 and 32 L



CATEGORY		A	B	C	D
LPV	DA	1148-1¼ 366 (400-1¼)		NA	
LNAV/VNAV	DA	1154-1½ 372 (400-1½)		NA	
LNAV	MDA	1200-1 418 (500-1)		NA	

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

CLARINDA, IOWA | AL-6103 (FAA) | 20310

WAAS CH 99416 W02A	APP CRS 020°	Rwy ldg 5000 TDZE 991 Apt Elev 996

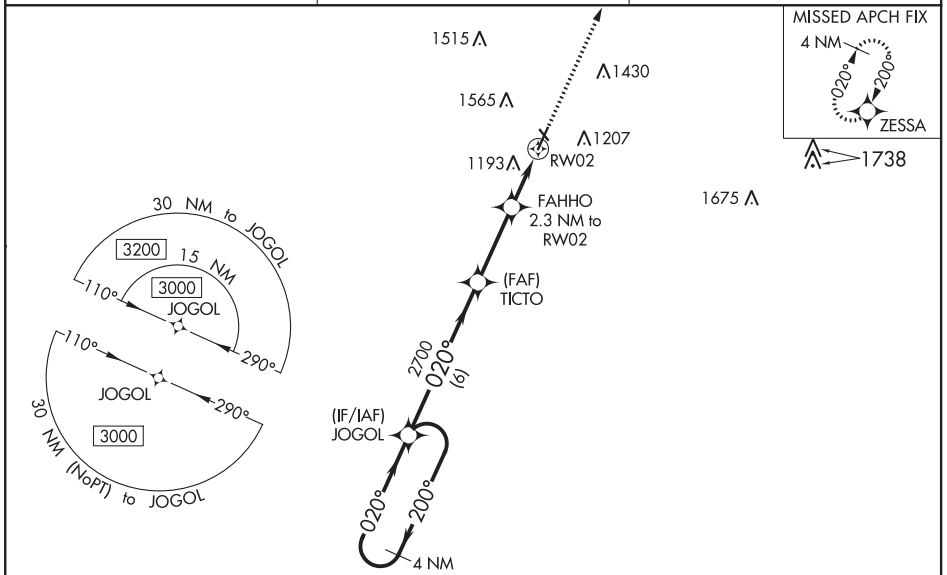
RNAV (GPS) RWY 2
SCHENCK FIELD (ICL)

RNP APCH.

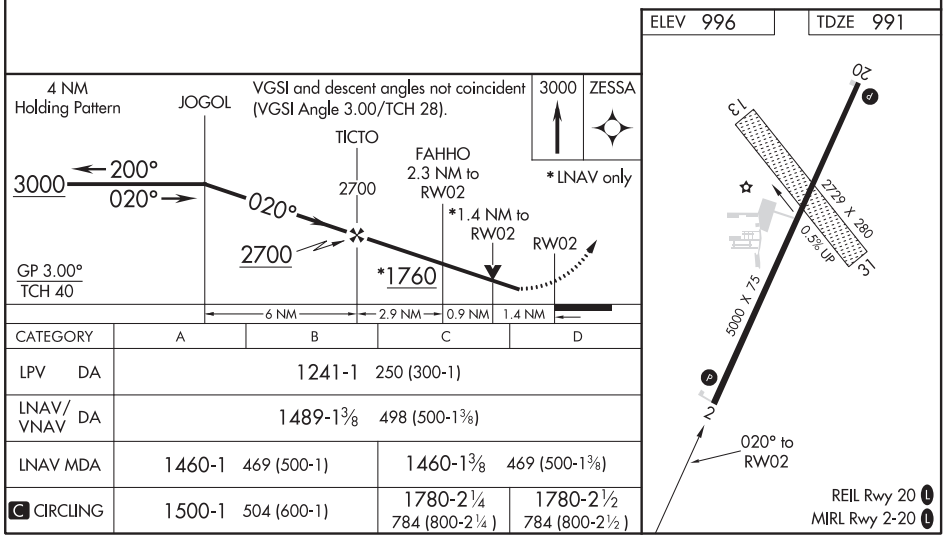
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F).
Circling NA west of Rwy 2-20. Circling NA to Rwys 13 and 31.
Rwy 2 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 3000 direct ZESSA and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
132.025	119.6 290.4	122.8 (CTAF) L



ELEV 996	TDZE 991



CATEGORY	A	B	C	D
LPV DA	1241-1 250 (300-1)			
LNAV/VNAV DA	1489-1⅜ 498 (500-1⅜)			
LNAV MDA	1460-1 469 (500-1)		1460-1⅜ 469 (500-1⅜)	
C CIRCLING	1500-1 504 (600-1)		1780-2¼ 784 (800-2¼)	1780-2½ 784 (800-2½)

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 90541 W20A	APP CRS 200°	Rwy ldg 5000 TDZE 995 Apt Elev 996

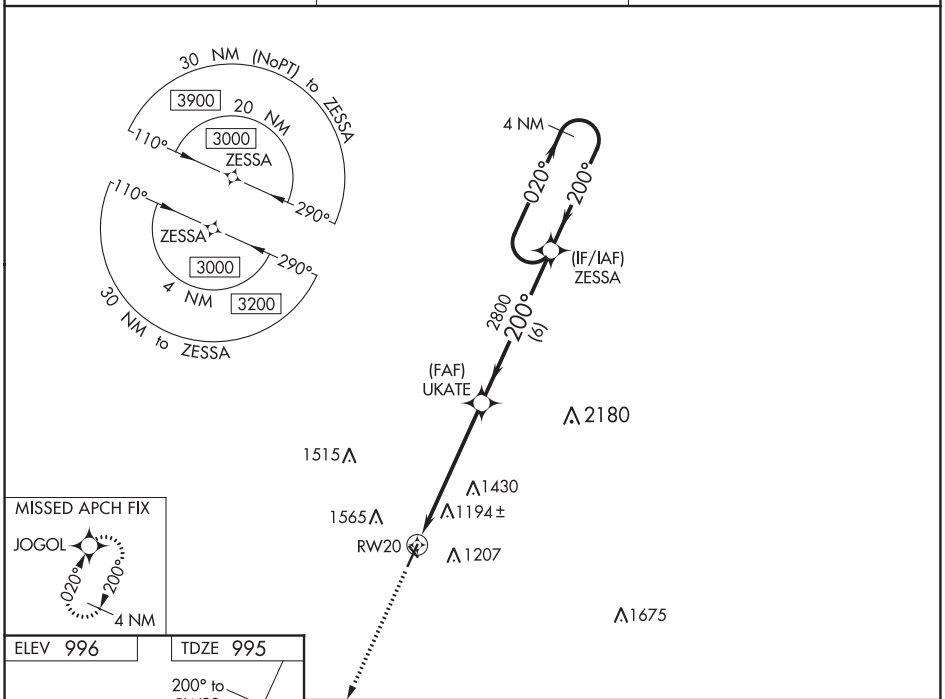
RNAV (GPS) RWY 20
SCHENCK FIELD (ICL)

RNP APCH.

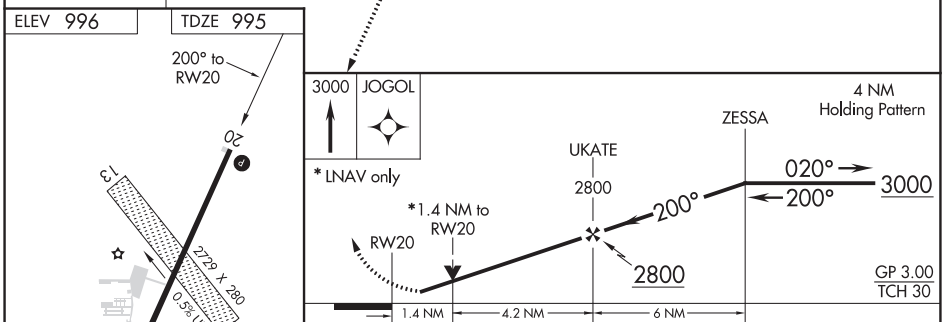
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F).
Circling NA west of Rwy 2-20. Circling NA to Rwys 13 and 31.
Rwy 20 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 3000 direct JOGOL and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
132.025	119.6 290.4	122.8 (CTAF) L



ELEV 996 TDZE 995



CATEGORY	A	B	C	D
LPV DA	1261-1 266 (300-1)			
LNAV/VNAV DA	1489-1⅜ 494 (500-1⅜)			
LNAV MDA	1460-1 465 (500-1)		1460-1⅜ 465 (500-1⅜)	
C CIRCLING	1500-1 504 (600-1)		1780-2¼ 784 (800-2¼)	1780-2½ 784 (800-2½)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

CLARION, IOWA | AL-6369 (FAA) | 21056

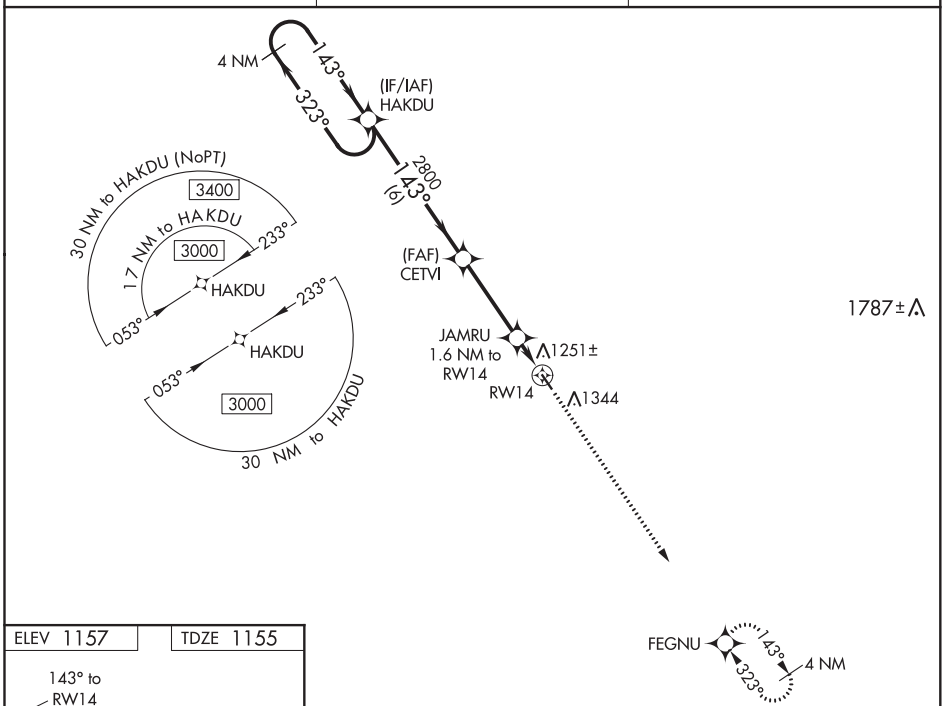
WAAS CH 45837 W14A	APP CRS 143°	Rwy ldg 3455 TDZE 1155 Apt Elev 1157

RNAV (GPS) RWY 14
CLARION MUNI (CAV)

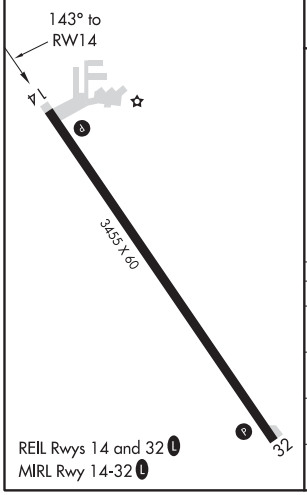
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Fort Dodge altimeter setting and increase all DA 52 feet, all MDA 60 feet; increase LPV and LNAV/VNAV all Cats visibility ⅛ mile. Baro-VNAV and VDP NA when using Fort Dodge altimeter setting. Helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 3000 direct FEGNU and hold.

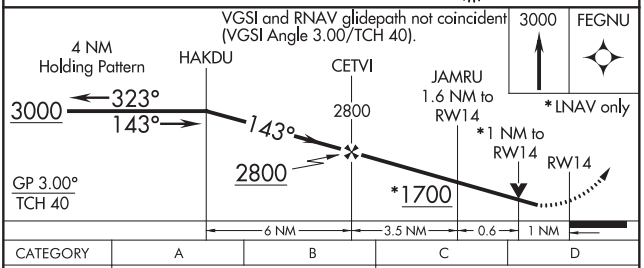
AWOS-3	MINNEAPOLIS CENTER	UNICOM
126.575	134.0 288.3	122.8 (CTAF) L



ELEV 1157 | TDZE 1155



REIL Rwys 14 and 32 L
MIRL Rwy 14-32 L



CATEGORY	A	B	C	D
LPV DA	1405-1	250 (300-1)	NA	
LNAV/VNAV DA	1415-1	260 (300-1)	NA	
LNAV MDA	1520-1	365 (400-1)	NA	
C CIRCLING	1680-1	523 (600-1)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021

APP CRS	Rwy ldg	3455
323°	TDZE	1156
	Apt Elev	1162

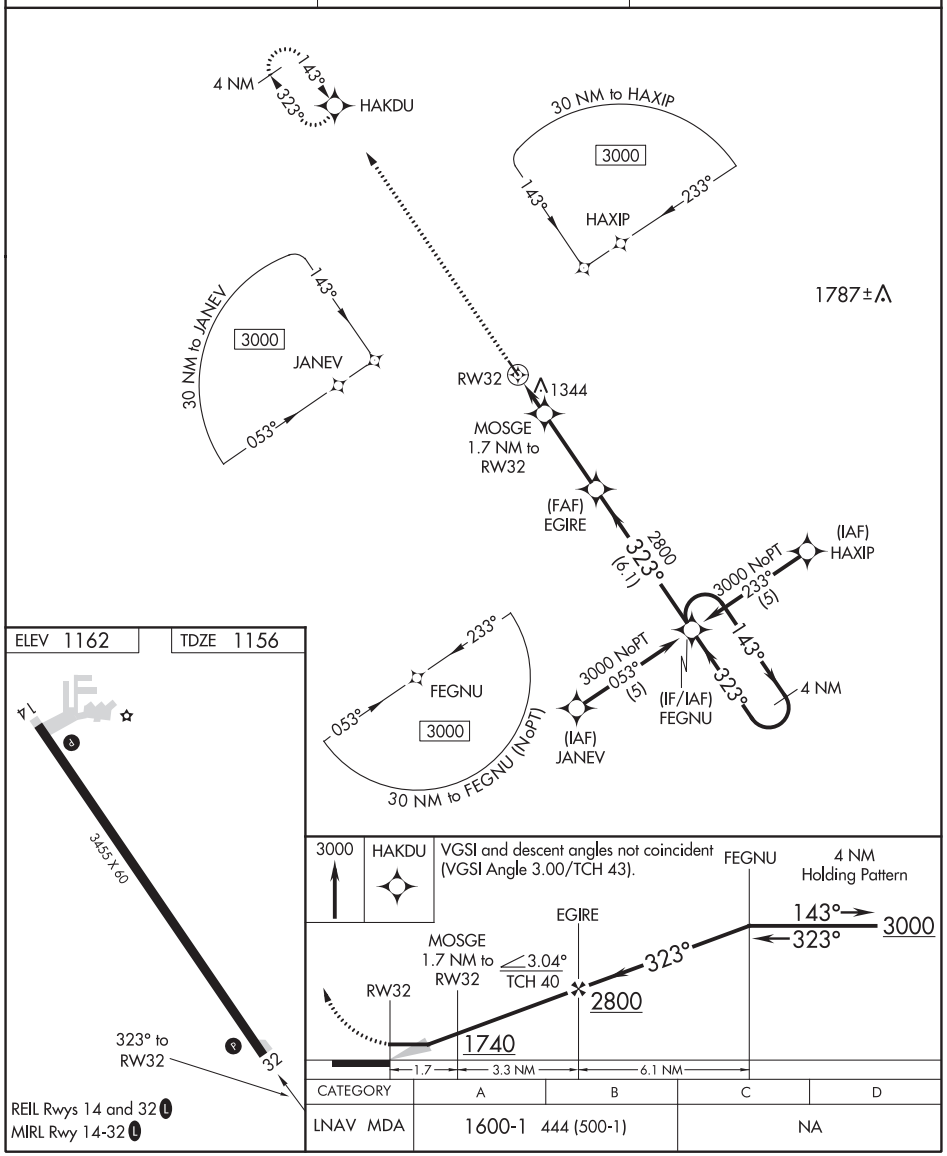
RNAV (GPS) RWY 32
CLARION MUNI (CAV)

RNP APCH.

When local altimeter setting not received, use Fort Dodge altimeter setting and increase all MDA 60 feet. Rwy 32 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 3000 direct HAKDU and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
126.575	134.0 288.3	122.8 (CTAF) L



CATEGORY	A	B	C	D
LNAV MDA	1600-1 444 (500-1)			NA

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

CLINTON, IOWA | AL-972 (FAA) | 20310

ILS or LOC RWY 3
CLINTON MUNI (CWI)

LOC/DME I-FNO	APP CRS	Rwy ldg	5204
109.7	030°	TDZE	700
Chan 34		Apt Elev	708

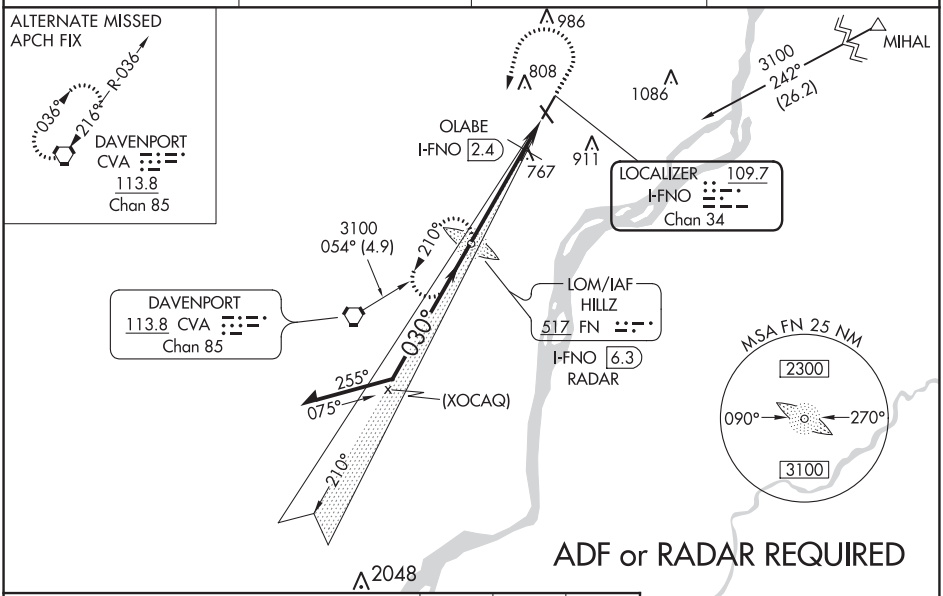
-35°C/-31°F

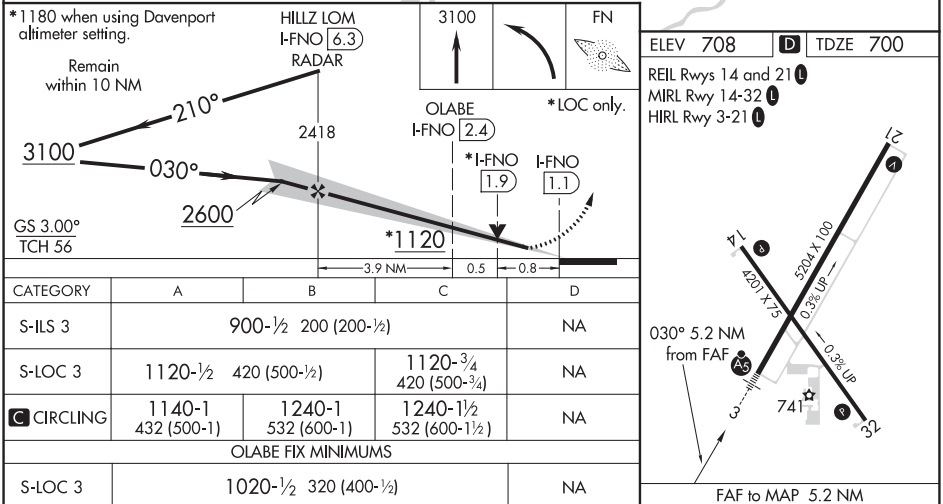
When local altimeter setting not received, use Davenport altimeter setting and increase all DA 47 feet and all MDA 60 feet; increase S-LOC 3 Cat C visibility ¼ mile and increase OLABE fix minimums S-LOC 3 Cat C visibility ⅛ mile.

MALSR

MISSED APPROACH: Climb to 3100 then left turn direct HILLZ LOM/ I-FNO 6.3 DME/RADAR and hold.

AWOS-3PT	QUAD CITY APP CON *	CLNC DEL	UNICOM
125.525	125.95 257.8	118.5 L	122.8 (CTAF)





CATEGORY	A	B	C	D
S-ILS 3	900-½ 200 (200-½)			NA
S-LOC 3	1120-½ 420 (500-½)		1120-¾ 420 (500-¾)	NA
C CIRCLING	1140-1 432 (500-1)	1240-1 532 (600-1)	1240-1½ 532 (600-1½)	NA
OLABE FIX MINIMUMS				
S-LOC 3	1020-½ 320 (400-½)			NA
C CIRCLING	1140-1 432 (500-1)	1240-1 532 (600-1)	1240-1½ 532 (600-1½)	NA

FAF to MAP 5.2 NM					
Knots	60	90	120	150	180
Min:Sec	5:12	3:28	2:36	2:05	1:44

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 69610 W03A	APP CRS 030°	Rwy ldg 5204 TDZE 700 Apt Elev 708

RNAV (GPS) RWY 3
CLINTON MUNI (CWI)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Baro-VNAV and VDP NA when using Davenport altimeter setting. When local altimeter setting not received, use Davenport altimeter setting and increase all DA 47 feet and all MDA 60 feet.

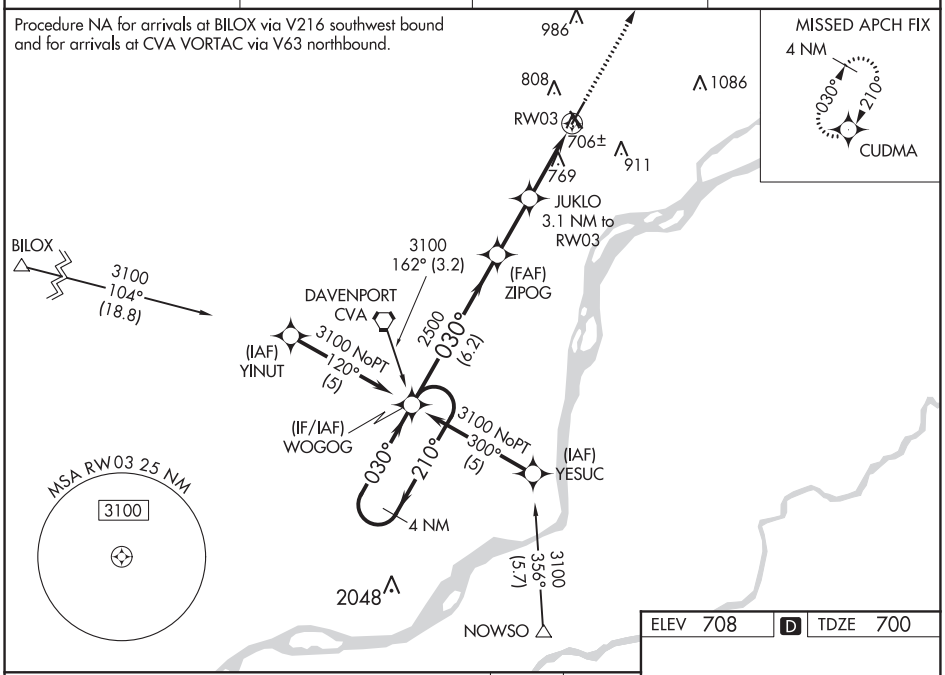
-35°C/-31°F

MALSR

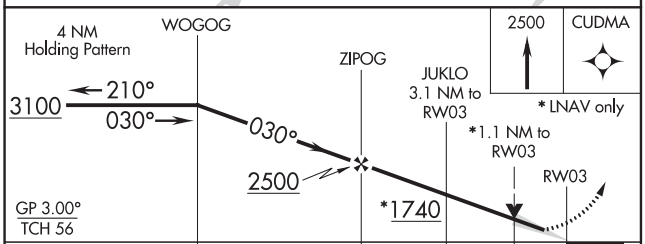
MISSED APPROACH: Climb to 2500 direct CUDMA and hold.

AWOS-3PT	QUAD CITY APP CON *	CLNC DEL	UNICOM
125.525	125.95 257.8	118.5 L	122.8 (CTAF)

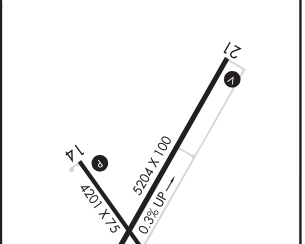
Procedure NA for arrivals at BILOX via V216 southwest bound and for arrivals at CVA VORTAC via V63 northbound.



ELEV 708 D TDZE 700



CATEGORY	A	B	C	D
LPV DA	900-½ 200 (200-½)			NA
LNAV/VNAV DA	1039-¾ 339 (400-¾)			NA
LNAV MDA	1020-½ 320 (400-½)			NA
C CIRCLING	1140-1 432 (500-1)	1240-1 532 (600-1)	1240-1½ 532 (600-1½)	NA



NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

CLINTON, IOWA | AL-972 (FAA) | 20226

WAAS CH 86729 W14A	APP CRS 144°	Rwy ldg 4200 TDZE 701 Apt Elev 708

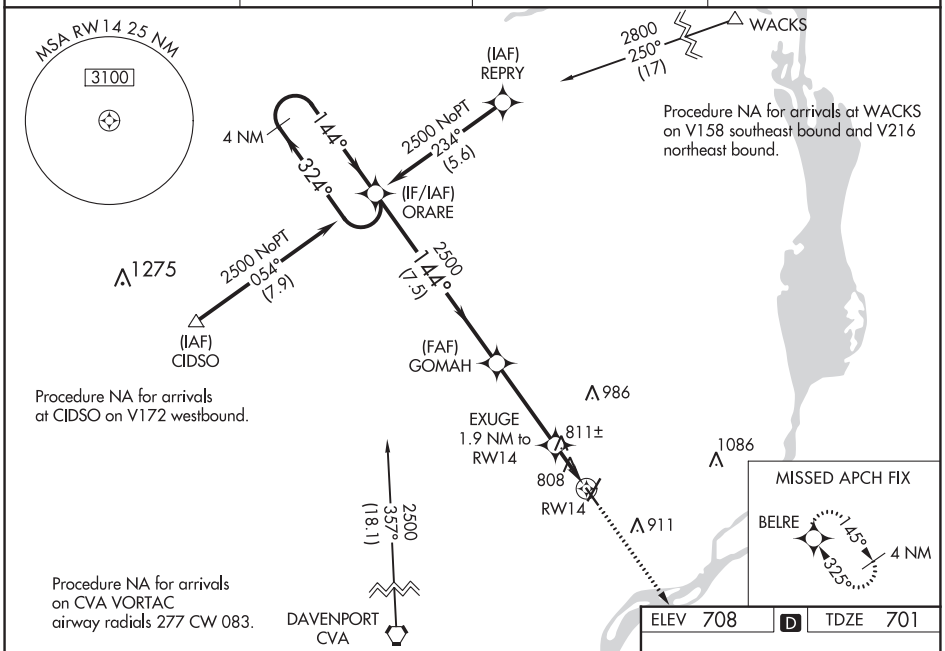
RNAV (GPS) RWY 14
CLINTON MUNI (CWI)

Rwy 14 helicopter visibility reduction below ¾ SM NA. Baro-VNAV NA when using Davenport altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). DME/DME RNP-0.3 NA.
When local altimeter setting not received, use Davenport altimeter setting and increase all DA 47 feet and all MDA 60 feet; increase LNAV visibility Cat C ¼ mile.

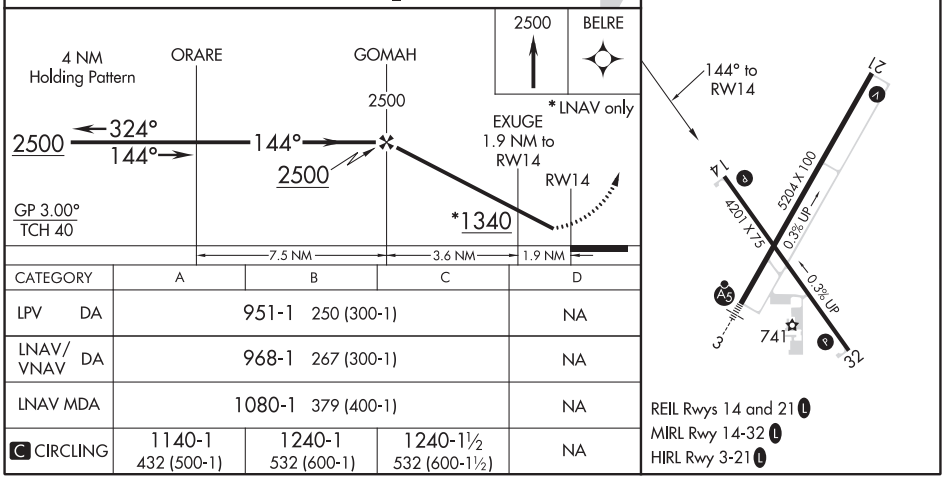
-35°C/-31°F

MISSED APPROACH: Climb to 2500 direct BELRE and hold.

AWOS-3PT	QUAD CITY APP CON★	CLNC DEL	UNICOM
125.525	125.95 257.8	118.5 L	122.8 (CTAF)



ELEV 708 | D | TDZE 701



CATEGORY	A	B	C	D
LPV DA	951-1 250 (300-1)			NA
LNAV/VNAV DA	968-1 267 (300-1)			NA
LNAV MDA	1080-1 379 (400-1)			NA
C CIRCLING	1140-1 432 (500-1)	1240-1 532 (600-1)	1240-1½ 532 (600-1½)	NA

REIL Rwys 14 and 21 L
MIRL Rwy 14-32 L
HIRL Rwy 3-21 L

NC-3, 25 FEB 2021 to 22 APR 2021

CLINTON, IOWA
Amdt 1B 13AUG20

41°50'N-90°20'W

CLINTON MUNI (CWI)
RNAV (GPS) RWY 14

WAAS CH 86829 W21A	APP CRS 210°	Rwy ldg 5204 TDZE 708 Apt Elev 708

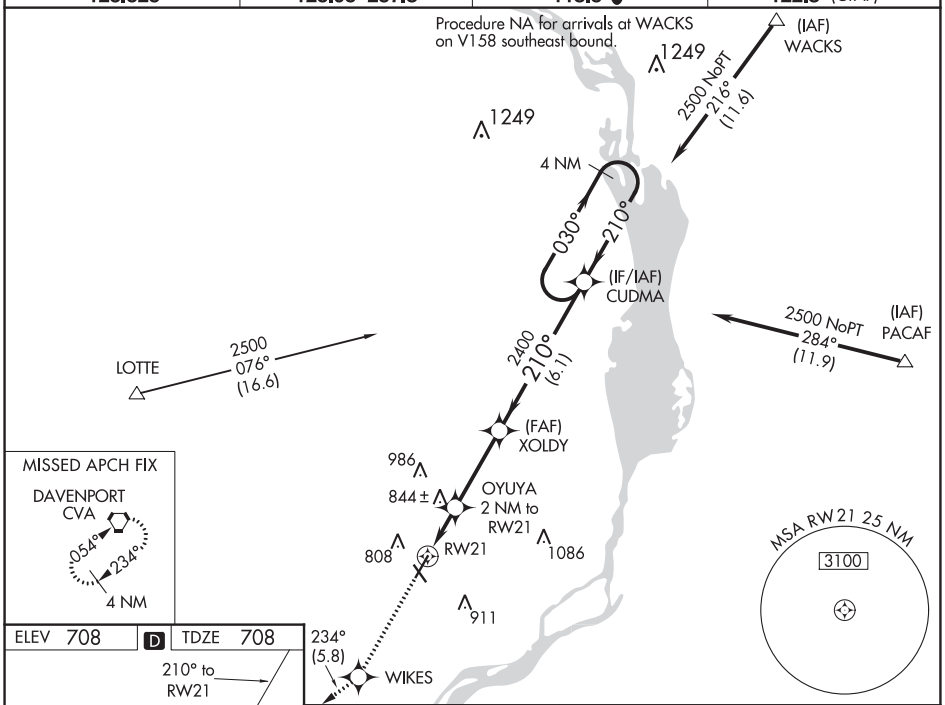
RNAV (GPS) RWY 21
CLINTON MUNI (CWI)

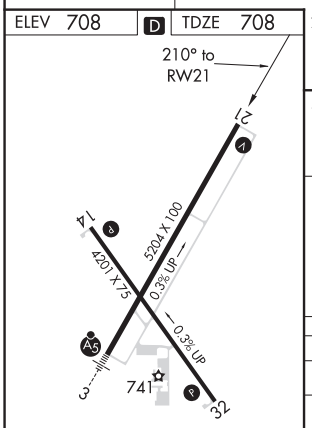
Rwy 21 helicopter visibility reduction below ¾ SM NA. Baro-VNAV NA when using Davenport altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Davenport altimeter setting: increase all DA 47 feet and all MDA 60 feet. Increase LNAV Cat C visibility ¼ mile.

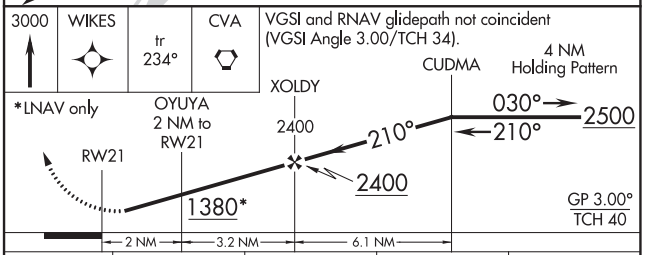
-35°C/-31°F

MISSED APPROACH: Climb to 3000 direct WIKES and on track 234° to CVA VORTAC and hold.

AWOS-3PT	QUAD CITY APP CON ★	CLNC DEL	UNICOM
125.525	125.95 257.8	118.5 L	122.8 (CTAF)







CATEGORY	A	B	C	D
LPV DA	958-1 250 (300-1)			NA
LNAV/VNAV DA	958-1 250 (300-1)			NA
LNAV MDA	1100-1 392 (400-1)		1100-1⅛ 392 (400-1⅛)	NA
C CIRCLING	1140-1 432 (500-1)	1240-1 532 (600-1)	1240-1½ 532 (600-1½)	NA

REIL Rwys 14 and 21 L
MIRL Rwy 14-32 L
HIRL Rwy 3-21 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

CLINTON, IOWA | AL-972 (FAA) | 20142

RNAV (GPS) RWY 32
CLINTON MUNI (CWI)

WAAS CH 77629 W32A	APP CRS 325°	Rwy ldg 4200 TDZE 697 Apt Elev 708

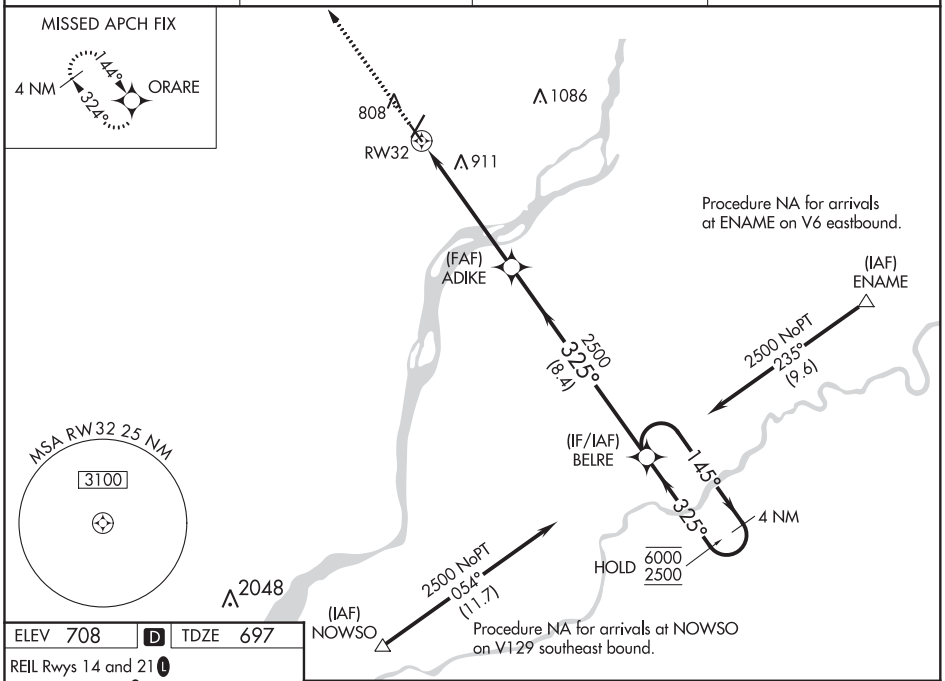
RNP APCH.

-35°C/-31°F

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C or above 54°C.

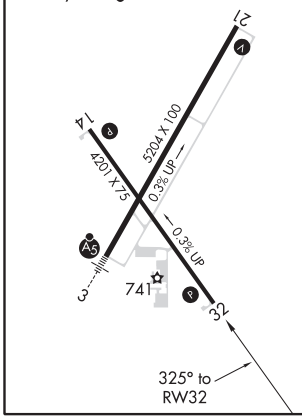
MISSED APPROACH: Climb to 2500 direct ORARE and hold.

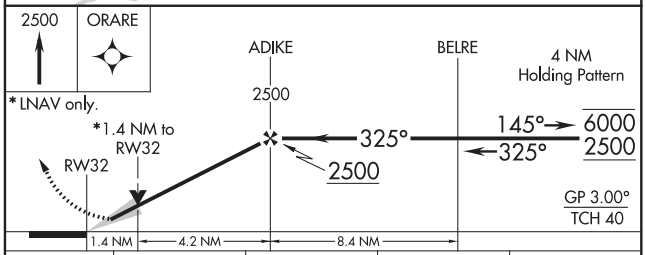
AWOS-3PT	QUAD CITY APP CON *	CLNC DEL	UNICOM
125.525	125.95 257.8	118.5 L	122.8 (CTAF)



ELEV 708 | D | TDZE 697

REIL Rwys 14 and 21 L
MIRL Rwy 14-32 L
HIRL Rwy 3-21 L





* LNAV only.

CATEGORY	A	B	C	D
LPV DA	947-1 250 (300-1)			NA
LNAV/VNAV DA	1205-1⅜ 508 (500-1⅜)			NA
LNAV MDA	1180-1 483 (500-1)		1180-1⅜ 483 (500-1⅜)	NA
C CIRCLING	1180-1 472 (500-1)	1240-1 532 (600-1)	1240-1½ 532 (600-1½)	NA

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

VORTAC CVA	APP CRS	Rwy ldg	5204
113.8	218°	TDZE	708
Chan 85		Apt Elev	708

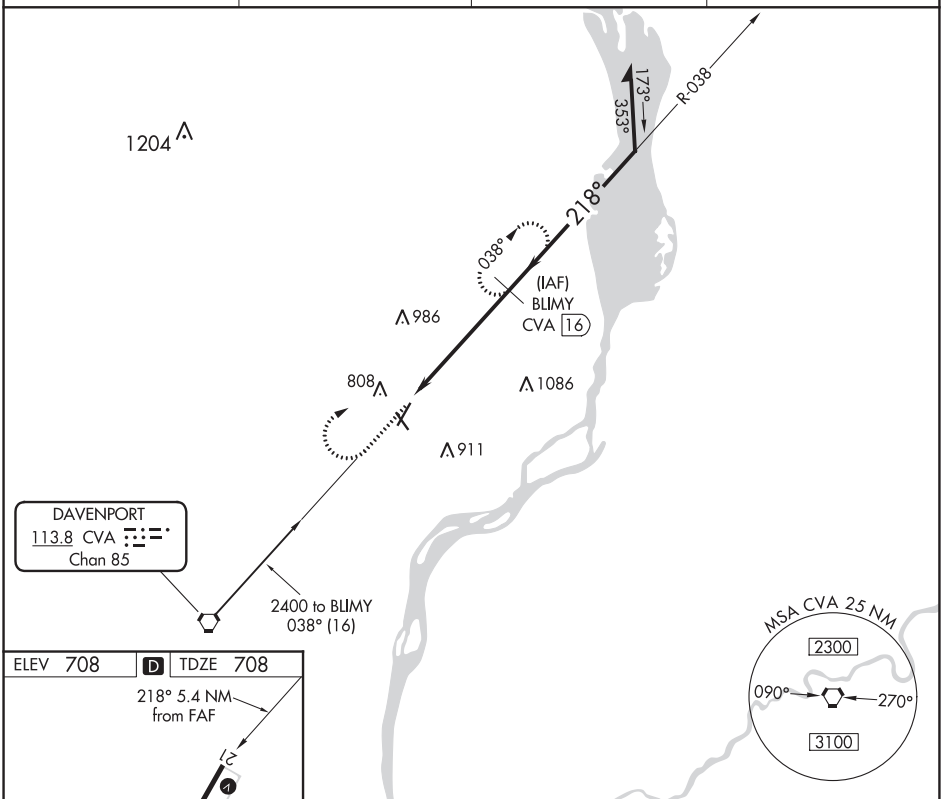
VOR/DME RWY 21
CLINTON MUNI (CWI)

T
-35°C/-31°F

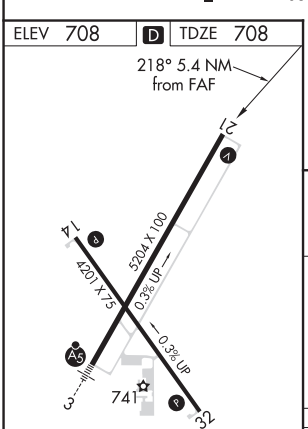
Rwy 21 helicopter visibility reduction below ¾ SM NA.

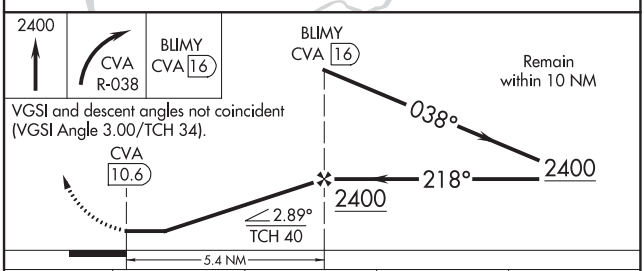
MISSED APPROACH: Climb to 2400 then right turn via CVA R-038 to BLIMY 16 DME and hold.

AWOS-3PT	QUAD CITY APP CON ★	CLNC DEL	UNICOM
125.525	125.95 257.8	118.5 L	122.8 (CTAF)



ELEV 708 D TDZE 708





CATEGORY	A	B	C	D
S-21	1200-1	492 (500-1)	1200-1¼ 492 (500-1¼)	NA
C CIRCLING	1200-1 492 (500-1)	1240-1 532 (600-1)	1240-1½ 532 (600-1½)	NA

REIL Rwys 14 and 21 L
MIRL Rwy 14-32 L
HIRL Rwy 3-21 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

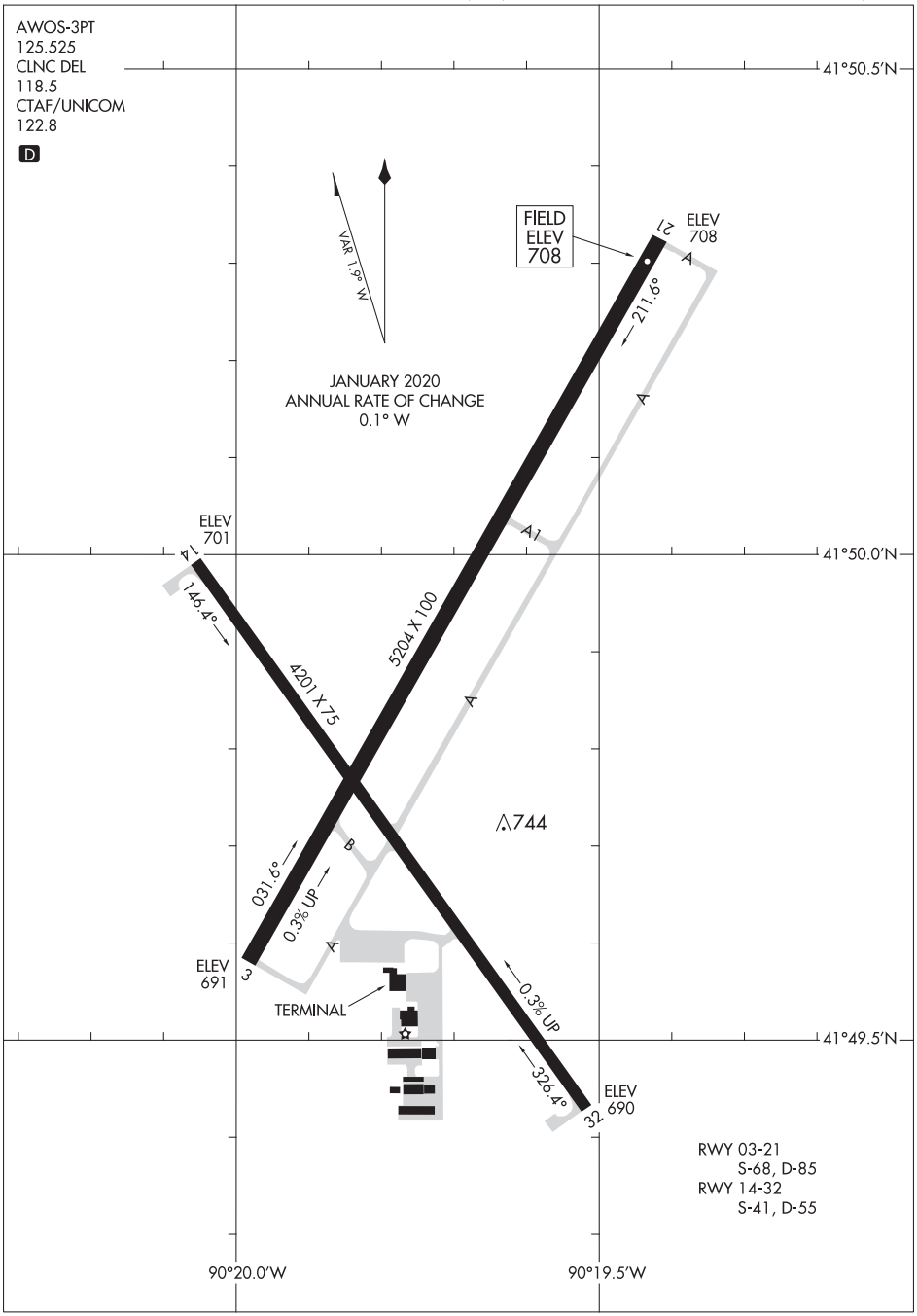
20086

AIRPORT DIAGRAM

AL-972 (FAA)

CLINTON MUNI (CWI)

CLINTON, IOWA



NC-3, 25 FEB 2021 to 22 APR 2021

AIRPORT DIAGRAM
20086
CLINTON, IOWA
CLINTON MUNI (CWI)

WAAS CH 87032 W04A	APP CRS 044°	Rwy ldg 4001 TDZE 821 Apt Elev 823

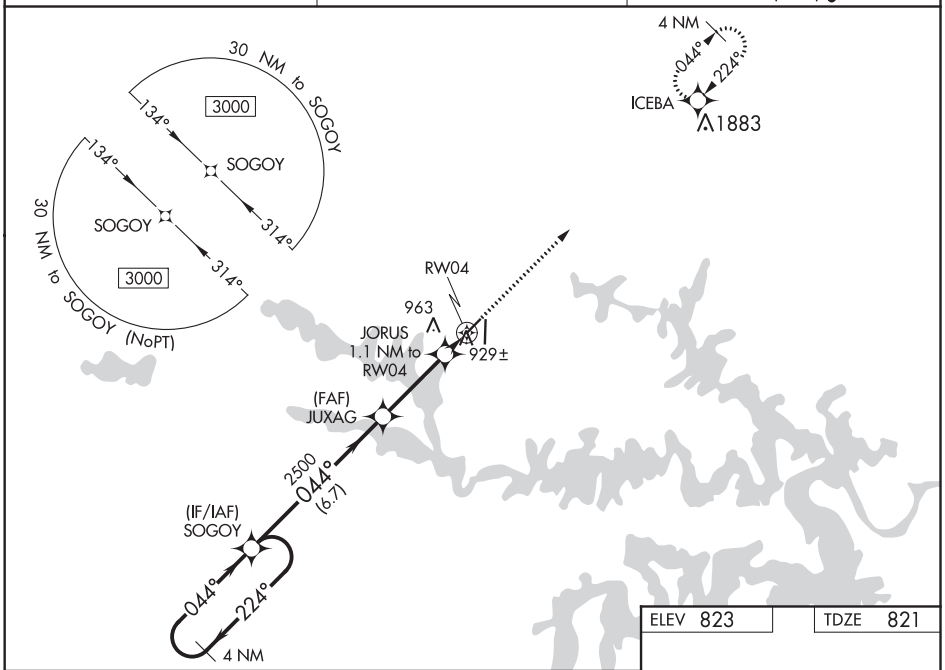
RNAV (GPS) RWY 4
CLINTON RGNL (GLY)

RNP APCH.

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C or above 54°C. When local altimeter setting not received, use Whiteman AFB altimeter setting and increase all DA 61 feet and all MDA 80 feet; increase LNAV-VNAV all Cats and LNAV Cat C visibility ¼ mile. Baro-VNAV NA when using Whiteman AFB altimeter setting. Straight-in Rwy 4 NA at night, Circling Rwy 4 NA at night. Rwy 4 helicopter visibility reduction below 1 SM NA.

MISSED APPROACH: Climb to 3000 direct ICEBA and hold.

AWOS-3	WHITEMAN APP CON ★	UNICOM
120.475	127.45	122.8 (CTAF) L

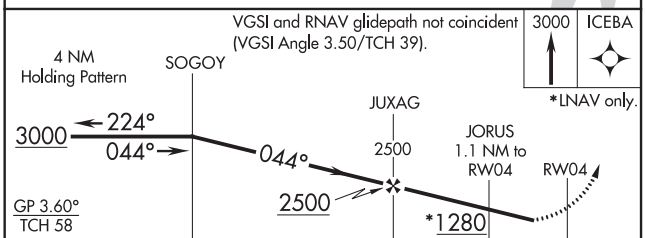


ELEV 823 TDZE 821

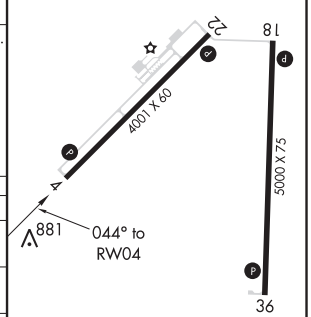
VGSI and RNAV glidepath not coincident (VGSI Angle 3.50/TCH 39).

3000 ICEBA

*LNAV only.



CATEGORY	A	B	C	D
LPV DA	1121-1 300 (300-1)			NA
LNAV/VNAV DA	1206-1⅛ 385 (400-1⅛)			NA
LNAV MDA	1180-1 359 (400-1)			NA
C CIRCLING	1280-1 457 (500-1)	1300-1 477 (500-1)	1340-1½ 517 (600-1½)	NA



MIRL Rwys 4-22 and 18-36 L

REIL Rwys 4, 18, 22 and 36 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

CLINTON, MISSOURI | AL-6145 (FAA) | 20366

WAAS CH 65637 W18A	APP CRS 181°	Rwy ldg 5000 TDZE 810 Apt Elev 823

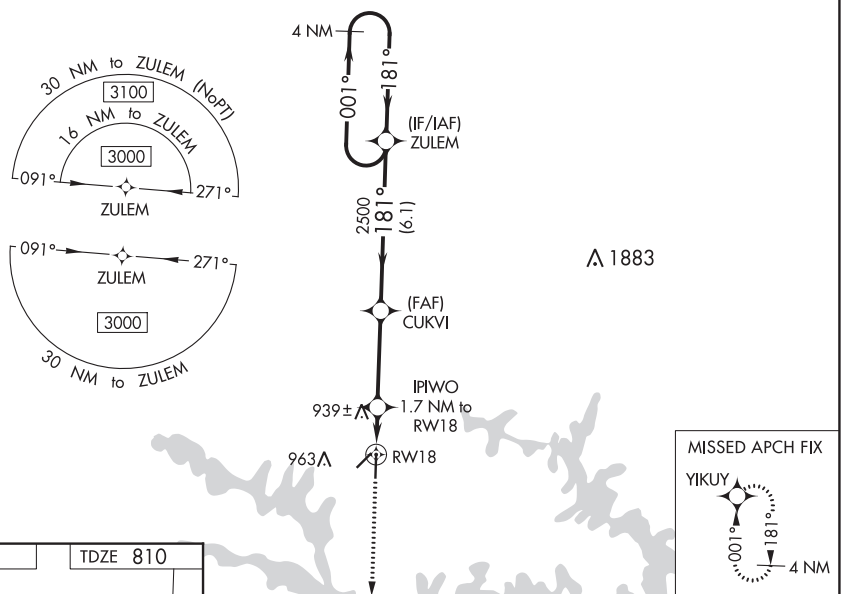
RNAV (GPS) RWY 18
CLINTON RGNL (GLY)

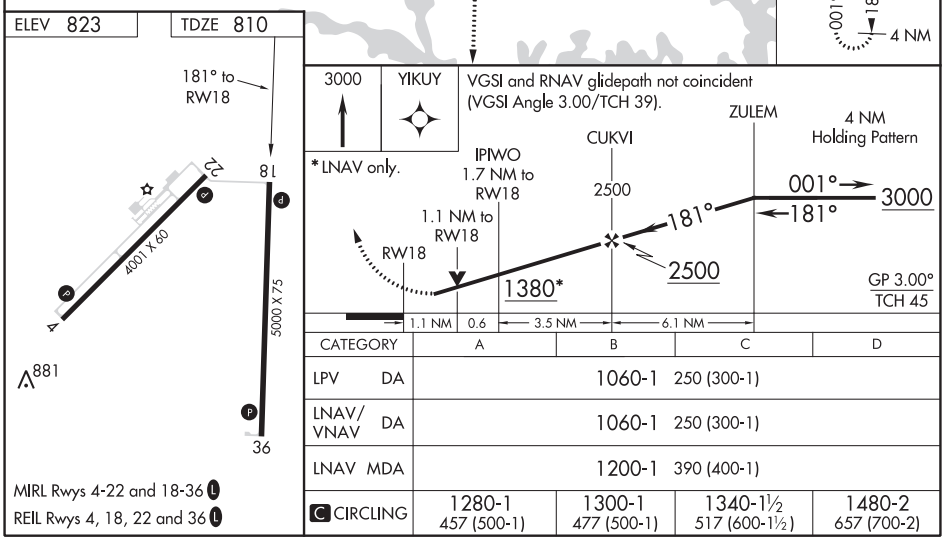
RNP APCH.

Baro-VNAV NA when using Whiteman AFB altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C or above 54°C. Circling Rwy 4 NA at night. When local altimeter setting not received, use Whiteman AFB altimeter setting and increase all DA 61 feet and all MDA 80 feet, visibility LNAV Cat C/D ⅜ mile, Circling Cat D ¼ mile. Rwy 18 helicopter visibility reduction below ¾ SM NA. VDP NA when using Whiteman AFB altimeter setting.

MISSED APPROACH: Climb to 3000 direct YIKUY and hold.

AWOS-3	WHITEMAN APP CON ★	UNICOM
120.475	127.45	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1060-1 250 (300-1)			
LNAV/VNAV DA	1060-1 250 (300-1)			
LNAV MDA	1200-1 390 (400-1)			
C CIRCLING	1280-1 457 (500-1)	1300-1 477 (500-1)	1340-1½ 517 (600-1½)	1480-2 657 (700-2)

MIRL Rwys 4-22 and 18-36 L
REIL Rwys 4, 18, 22 and 36 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 49132 W22A	APP CRS 224°	Rwy ldg 4001 TDZE 823 Apt Elev 823

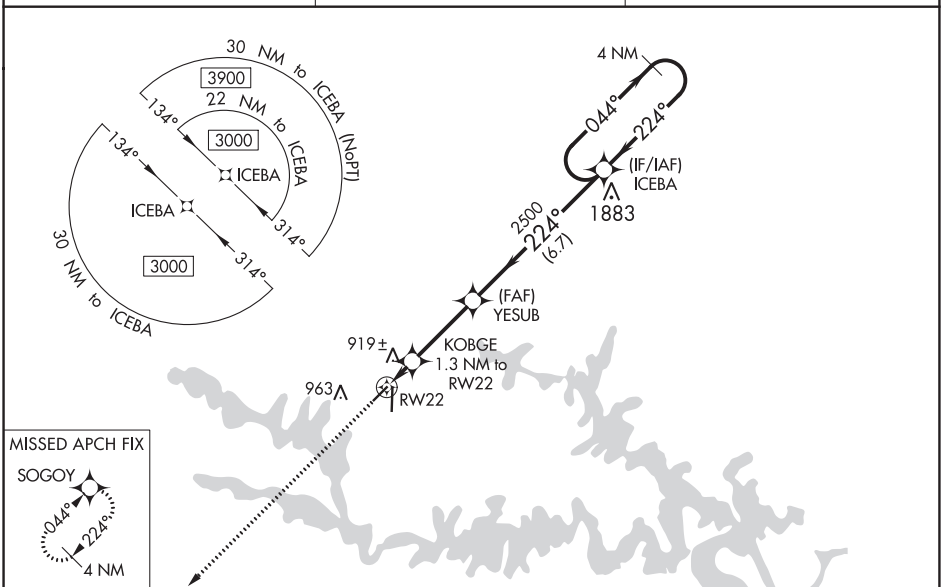
RNAV (GPS) RWY 22
CLINTON RGNL (GLY)

RNP APCH.

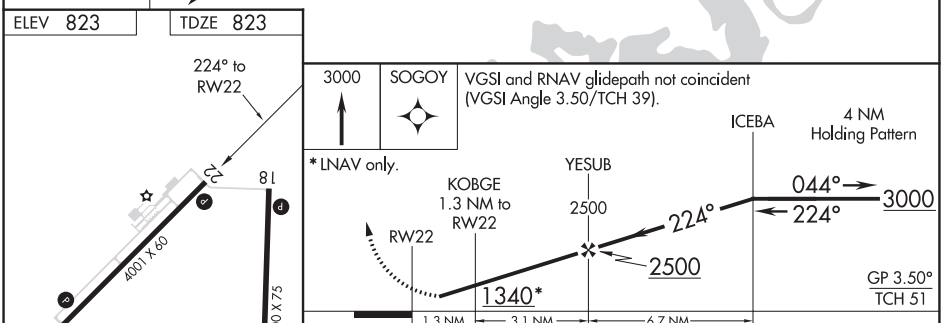
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C or above 54°C. When local altimeter setting not received, use Whiteman AFB altimeter setting and increase all DA 61 feet and all MDA 80 feet. Increase LNAV/VNAV all Cats and LNAV Cat C visibility ¼ mile. Circling Rwy 4 NA at night. Rwy 22 helicopter visibility reduction below ¾ SM NA. Baro-VNAV NA when using Whiteman altimeter setting.

MISSED APPROACH: Climb to 3000 direct SOGOY and hold.

AWOS-3	WHITEMAN APP CON ★	UNICOM
120.475	127.45	122.8 (CTAF) L



ELEV 823 TDZE 823



CATEGORY		A	B	C	D
LPV	DA	1115-1 292 (300-1)			NA
LNAV/VNAV	DA	1216-1⅛ 393 (400-1⅛)			NA
LNAV	MDA	1180-1 357 (400-1)			NA
C CIRCLING		1280-1 457 (500-1)	1300-1 477 (500-1)	1340-1½ 517 (600-1½)	NA

MIRL Rwys 4-22 and 18-36 L
REIL Rwys 4, 18, 22 and 36 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

CLINTON, MISSOURI | AL-6145 (FAA) | 20366

WAAS CH 82235 W36A	APP CRS 001°	Rwy ldg 5000 TDZE 804 Apt Elev 823

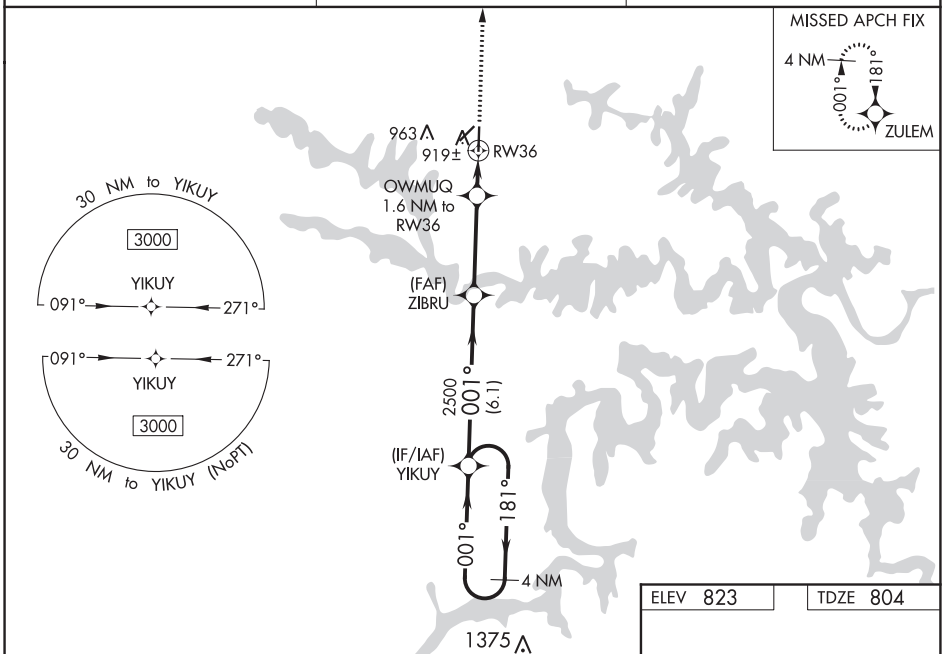
RNAV (GPS) RWY 36
CLINTON RGNL (GLY)

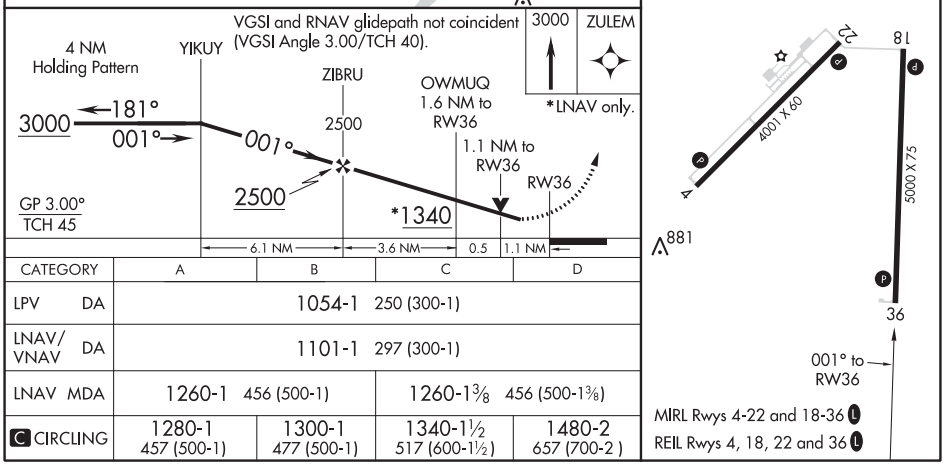
RNP APCH.

Baro-VNAV NA when using Whiteman AFB altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C or above 54°C. Circling Rwy 4 NA at night. When local altimeter setting not received, use Whiteman AFB altimeter setting and increase all DA 61 feet and all MDA 80 feet, increase visibility LNAV Cats C/D ⅜ mile, LNAV/VNAV all Cats and Circling Cat D ¼ mile. VDP NA with Whiteman AFB altimeter setting.

MISSED APPROACH: Climb to 3000 direct ZULEM and hold.

AWOS-3	WHITEMAN APP CON ★	UNICOM
120.475	127.45	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1054-1 250 (300-1)			
LNAV/VNAV DA	1101-1 297 (300-1)			
LNAV MDA	1260-1 456 (500-1)		1260-1⅜ 456 (500-1⅜)	
C CIRCLING	1280-1 457 (500-1)	1300-1 477 (500-1)	1340-1½ 517 (600-1½)	1480-2 657 (700-2)

NC-3, 25 FEB 2021 to 22 APR 2021

ILS or LOC RWY 2
COLUMBIA RGNL (COU)

LOC/DME I-COU	APP CRS	Rwy ldg	6501
110.7	021°	TDZE	889
Chan 44		Apt Elev	889

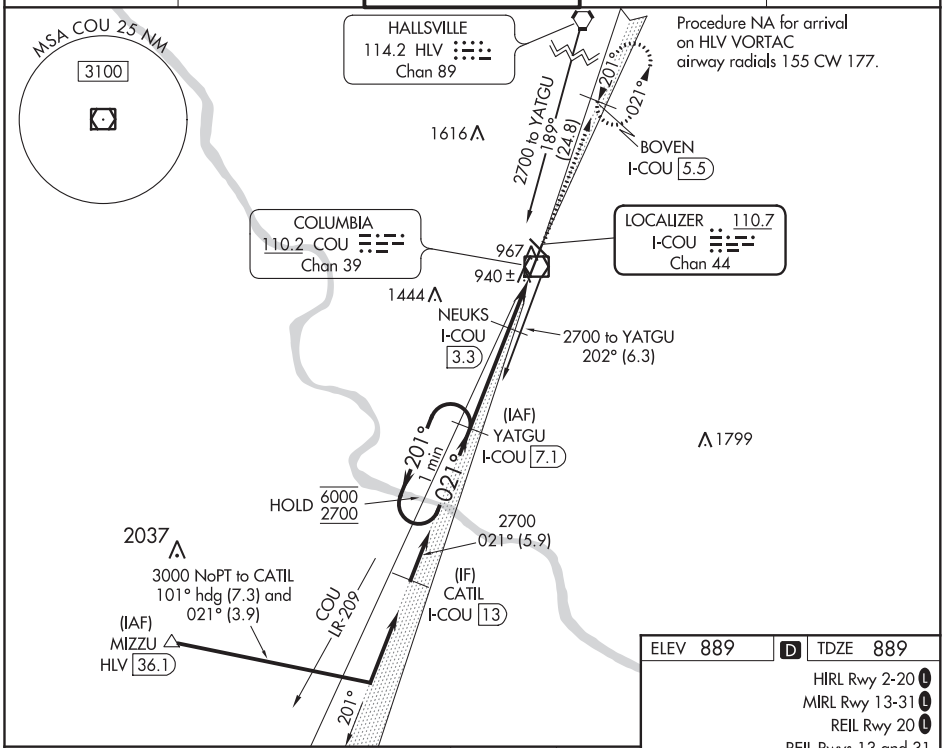
DME required.

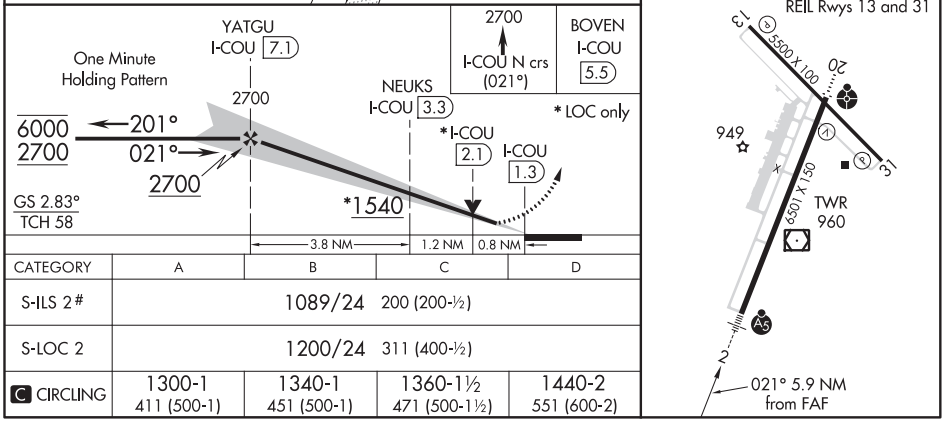
Circling NA for Cat D west of Rwys 2 and 13. Circling Rwy 20 NA at night. For inop ALS, increase S-LOC 2 Cat C/D visibility to RVR 4500. #RVR 1800 authorized with use of FD or AP or HUD to DA.

MALSR

MISSED APPROACH: Climb to 2700 on I-COU localizer north course (021°) to BOVEN/I-COU 5.5 DME and hold.

ATIS	MIZZU APP CON	COLUMBIA TOWER ★	GND CON	UNICOM
128.45	124.375 353.7	119.3 (CTAF) L 363.25	121.9	122.95





CATEGORY	A	B	C	D
S-ILS 2#	1089/24 200 (200-½)			
S-LOC 2	1200/24 311 (400-½)			
C CIRCLING	1300-1 411 (500-1)	1340-1 451 (500-1)	1360-1½ 471 (500-1½)	1440-2 551 (600-2)

NC-3, 25 FEB 2021 to 22 APR 2021

COLUMBIA, MISSOURI — AL-5595 (FAA) — 21056

RNAV (GPS) RWY 2
COLUMBIA RGNL (COU)

WAAS CH 77599 W02A	APP CRS 021°	Rwy ldg 6501 TDZE 889 Apt Elev 889

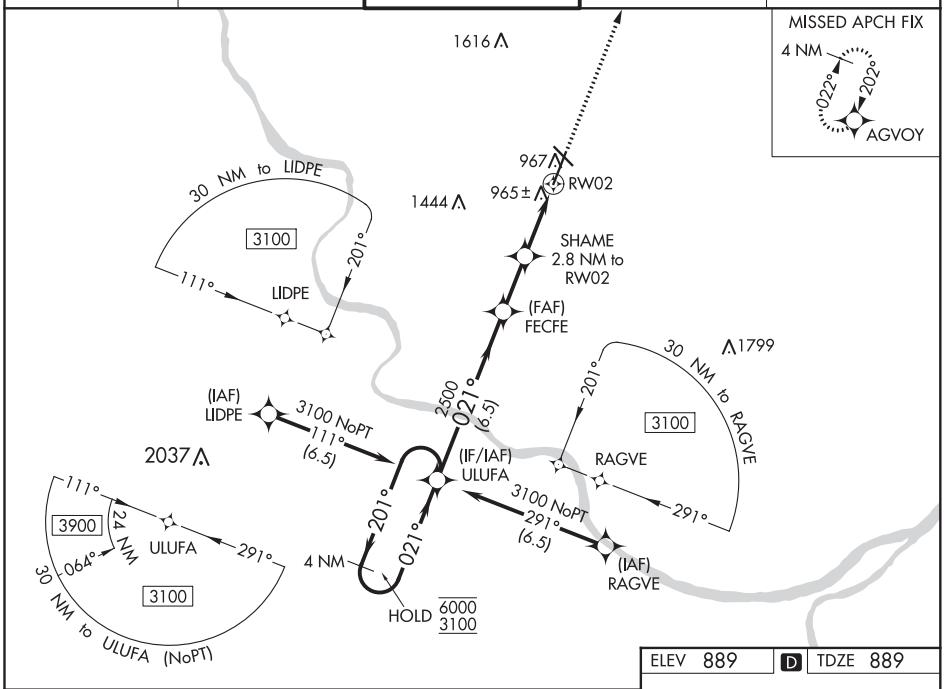
RNP APCH.

T A Circling NA for Cat D west of Rwys 2 and 13. Circling Rwy 20 NA at night. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 54°C. For inop ALS, increase LNAV/VNAV all Cats visibility to RVR 4000. #RVR 1800 authorized with the use of FD or AP or HUD to DA.

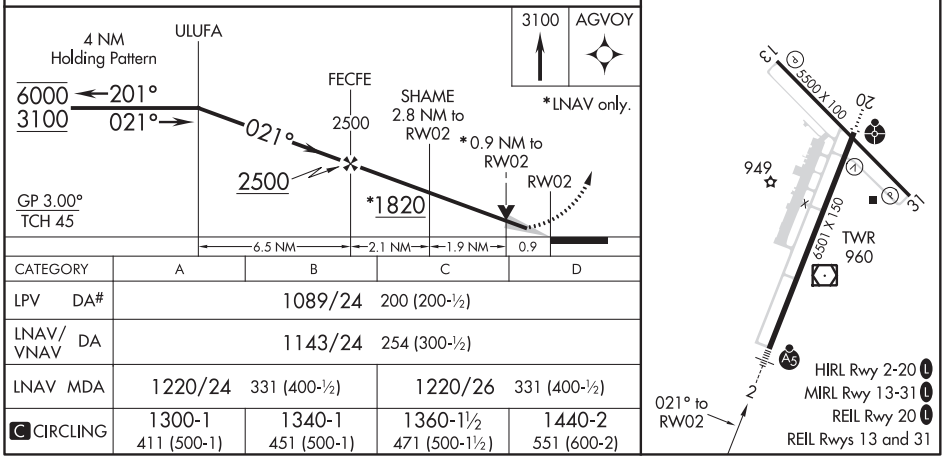
MALSR A5

MISSED APPROACH: Climb to 3100 direct AGVOY and hold.

ATIS	MIZZU APP CON	COLUMBIA TOWER ★	GND CON	UNICOM
128.45	124.375 353.7	119.3 (CTAF) L 363.25	121.9	122.95



ELEV 889 | D | TDZE 889



CATEGORY	A	B	C	D
LPV DA#	1089/24 200 (200-½)			
LNAV/VNAV DA	1143/24 254 (300-½)			
LNAV MDA	1220/24 331 (400-½)		1220/26 331 (400-½)	
C CIRCLING	1300-1 411 (500-1)	1340-1 451 (500-1)	1360-1½ 471 (500-1½)	1440-2 551 (600-2)

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 40042 W13A	APP CRS 135°	Rwy ldg 5500 TDZE 888 Apt Elev 889

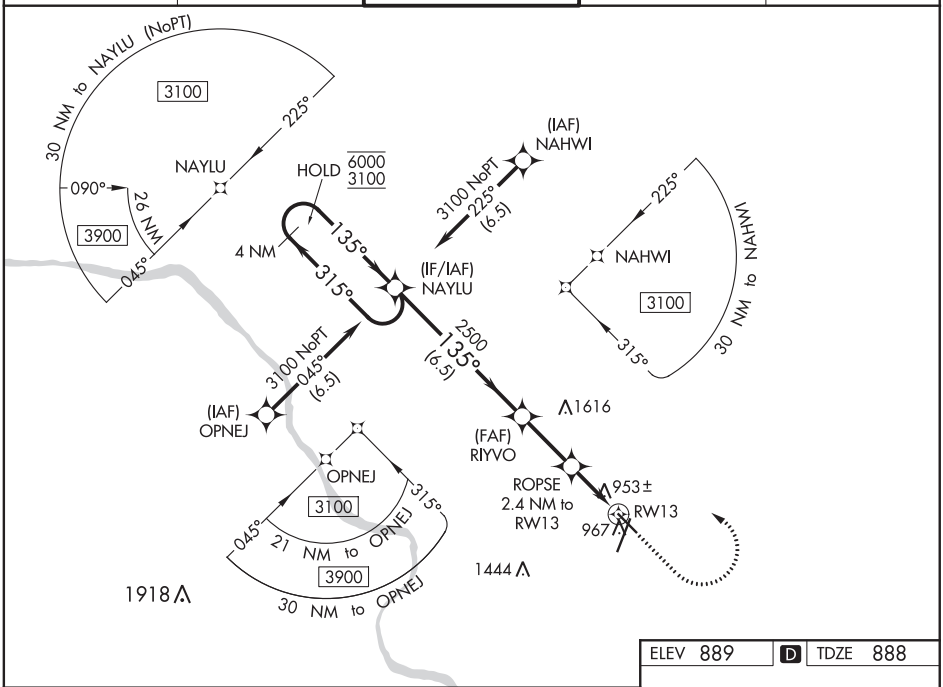
RNAV (GPS) RWY 13
COLUMBIA RGNL (COU)

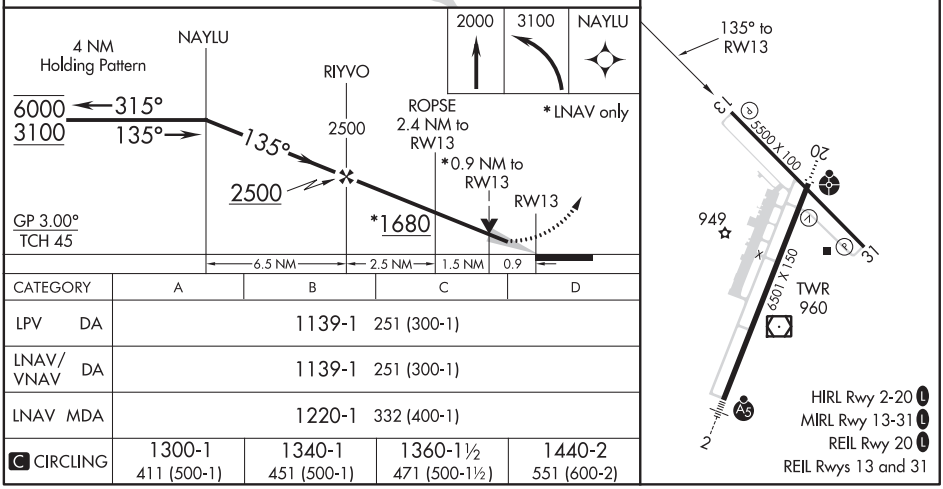
RNP APCH.

Circling NA for Cat D west of Rwys 2 and 13. Circling Rwy 20 NA at night. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 54°C.

MISSED APPROACH: Climb to 2000 then climbing left turn to 3100 direct NAYLU and hold.

ATIS	MIZZU APP CON	COLUMBIA TOWER ★	GND CON	UNICOM
128.45	124.375 353.7	119.3 (CTAF) L 363.25	121.9	122.95





CATEGORY	A	B	C	D
LPV DA	1139-1 251 (300-1)			
LNAV/VNAV DA	1139-1 251 (300-1)			
LNAV MDA	1220-1 332 (400-1)			
C CIRCLING	1300-1 411 (500-1)	1340-1 451 (500-1)	1360-1½ 471 (500-1½)	1440-2 551 (600-2)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

COLUMBIA, MISSOURI — AL-5595 (FAA) — 20310

RNAV (GPS) RWY 20
COLUMBIA RGNL (COU)

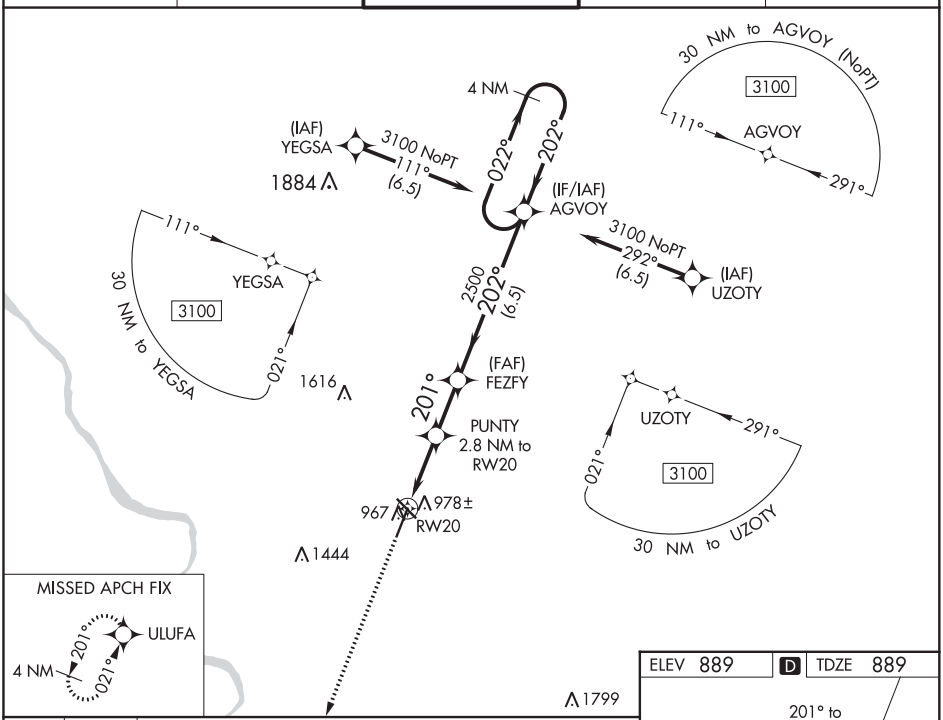
WAAS CH 93599 W20A	APP CRS 201°	Rwy ldg 6501 TDZE 889 Apt Elev 889

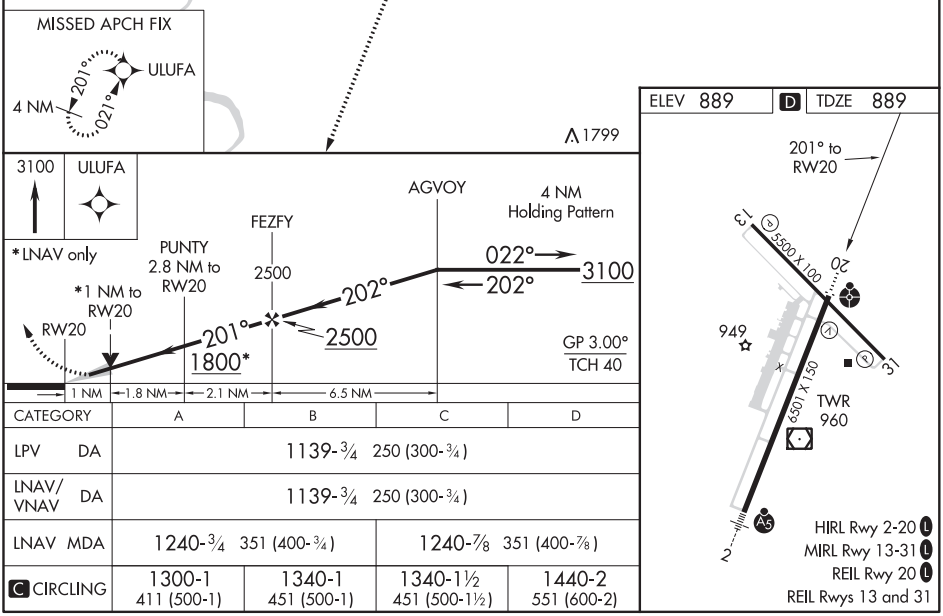
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). Circling NA for Cat D west of Rwys 2 and 13. DME/DME RNP-0.3 NA. For inop ALS, increase LNAV Cat A/B visibility to ⅞ SM.

ODALS

MISSED APPROACH: Climb to 3100 direct ULUFA and hold.

ATIS	MIZZU APP CON	COLUMBIA TOWER ★	GND CON	UNICOM
128.45	124.375 353.7	119.3 (CTAF) L 363.25	121.6	122.95





CATEGORY	A	B	C	D
LPV DA	1139-¾ 250 (300-¾)			
LNAV/VNAV DA	1139-¾ 250 (300-¾)			
LNAV MDA	1240-¾ 351 (400-¾)		1240-⅞ 351 (400-⅞)	
C CIRCLING	1300-1 411 (500-1)	1340-1 451 (500-1)	1340-1½ 451 (500-1½)	1440-2 551 (600-2)

COLUMBIA, MISSOURI — COLUMBIA RGNL (COU)

Amdt 2 12OCT17 — 38°49′N-92°13′W

RNAV (GPS) RWY 20

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 86242 W31A	APP CRS 315°	Rwy ldg 5500 TDZE 886 Apt Elev 889

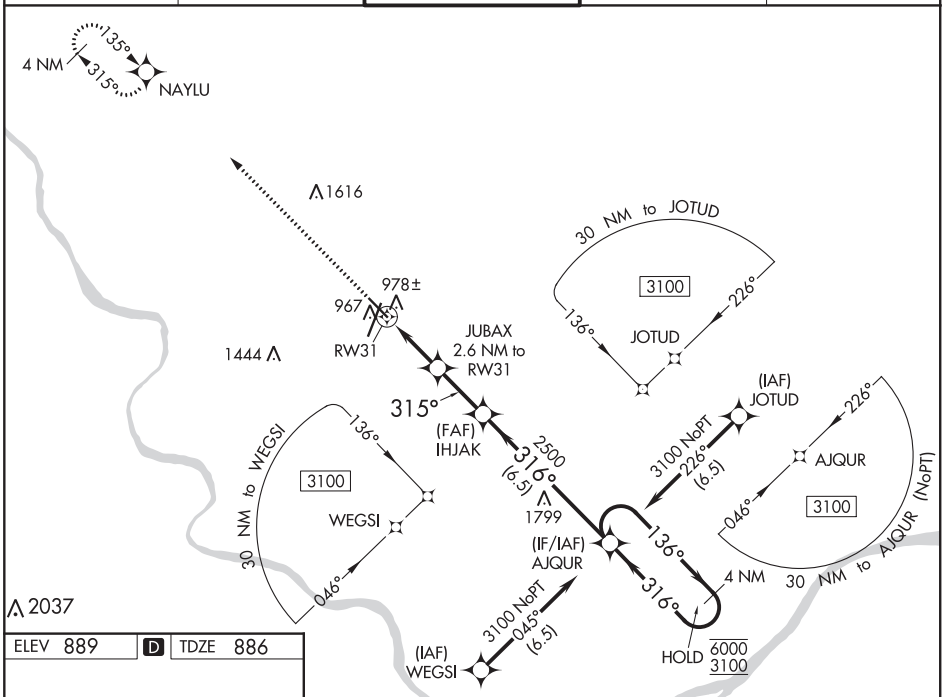
RNAV (GPS) RWY 31
COLUMBIA RGNL (COU)

RNP APCH.

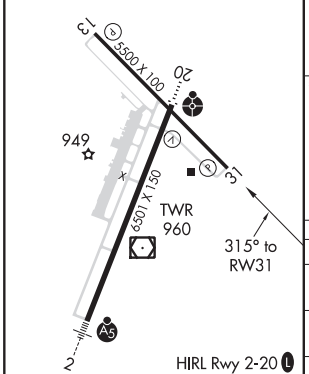
Circling Rwy 20 NA at night. Rwy 31 helicopter visibility reduction below ¾ SM NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 54°C. Circling NA for Cat D west of Rwys 2 and 13.

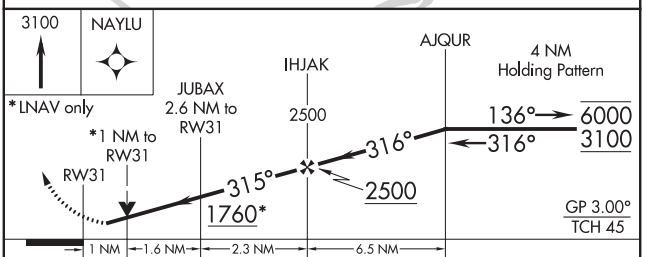
MISSED APPROACH: Climb to 3100 direct NAYLU and hold.

ATIS	MIZZU APP CON	COLUMBIA TOWER ★	GND CON	UNICOM
128.45	124.375 353.7	119.3 (CTAF) L 363.25	121.9	122.95



ELEV 889 | D | TDZE 886





CATEGORY	A	B	C	D
LPV DA	1138-1 252 (300-1)			
LNAV/VNAV DA	1138-1 252 (300-1)			
LNAV MDA	1240-1 354 (400-1)			
C CIRCLING	1300-1 411 (500-1)	1340-1 451 (500-1)	1360-1½ 471 (500-1½)	1440-2 551 (600-2)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

LOC BC RWY 20
COLUMBIA RGNL (COU)

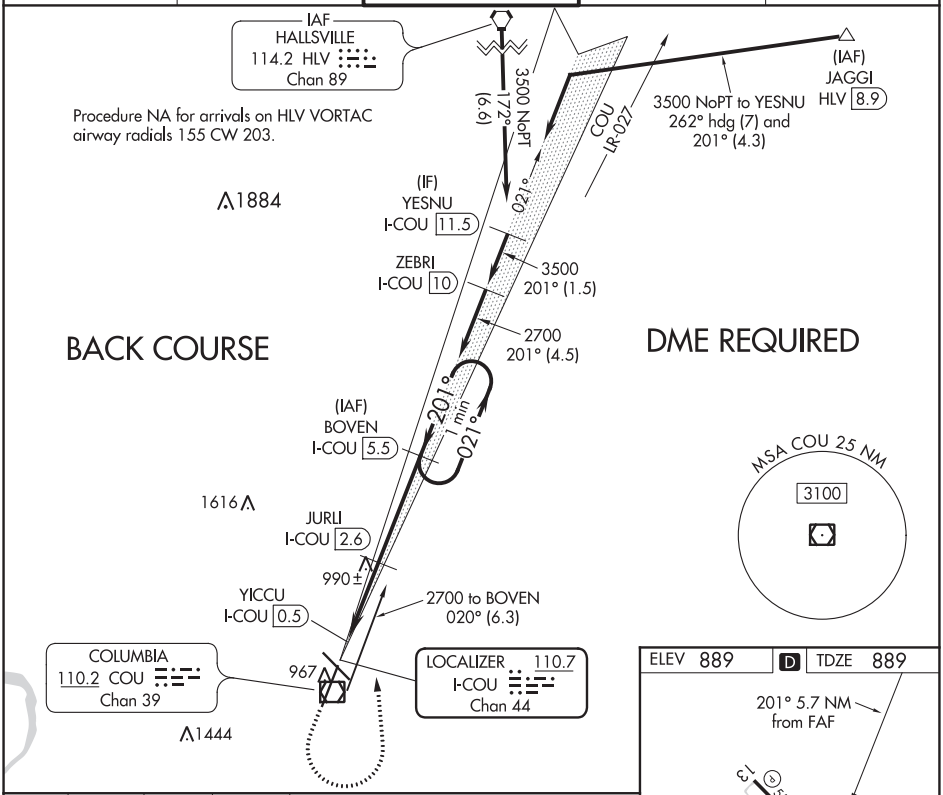
LOC/DME I-COU	APP CRS	Rwy ldg	6501
110.7	201°	TDZE	889
Chan 44		Apt Elev	889

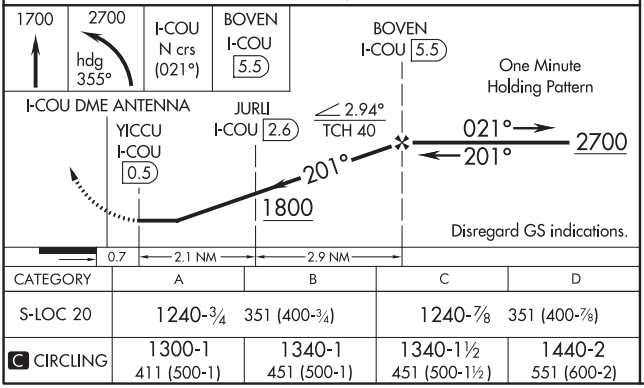
T A Circling NA for Cat D west of Rwys 2 and 13. DME required.

ODALS

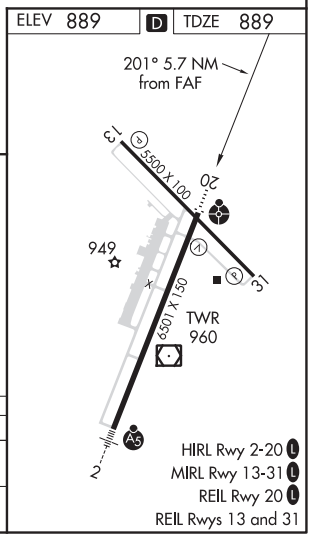
MISSED APPROACH: Climb to 1700 then climbing left turn to 2700 on heading 355° and I-COU localizer north course (021°) to BOVEN/I-COU 5.5 DME and hold.

ATIS	MIZZU APP CON	COLUMBIA TOWER ★	GND CON	UNICOM
128.45	124.375 353.7	119.3 (CTAF) L 363.25	121.6	122.95





CATEGORY	A	B	C	D
S-LOC 20	1240-¾ 351 (400-¾)		1240-⅞ 351 (400-⅞)	
C CIRCLING	1300-1 411 (500-1)	1340-1 451 (500-1)	1340-1½ 451 (500-1½)	1440-2 551 (600-2)



NC-3, 25 FEB 2021 to 22 APR 2021

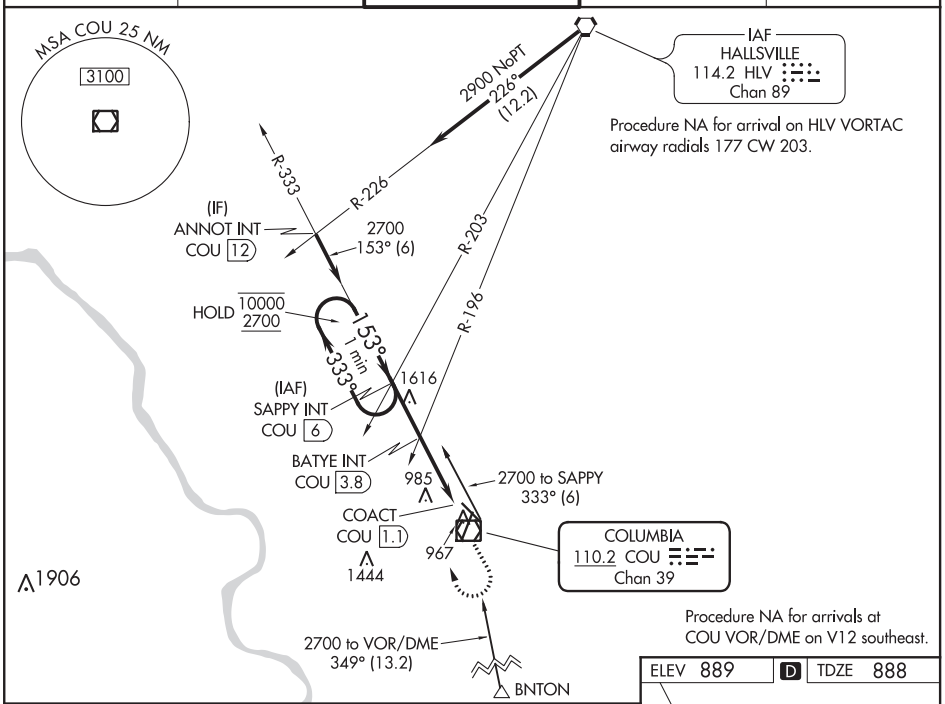
VOR/DME COU	APP CRS	Rwy ldg 5500
110.2	153°	TDZE 888
Chan 39		Apt Elev 889

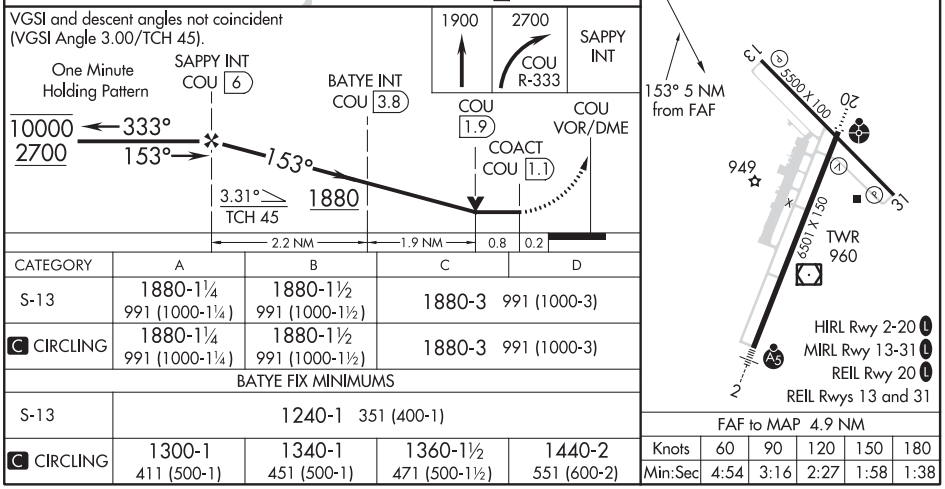
VOR RWY 13
COLUMBIA RGNL (COU)

T A Circling NA for Cat D west of Rwys 2 and 13. Circling Rwy 20 NA at night.

MISSED APPROACH: Climb to 1900 then climbing right turn to 2700 on COU VOR/DME R-333 to SAPPY INT/COU 6 DME and hold.

ATIS	MIZZU APP CON	COLUMBIA TOWER ★	GND CON	UNICOM
128.45	124.375 353.7	119.3 (CTAF) L 363.25	121.9	122.95





CATEGORY	A	B	C	D
S-13	1880-1¼ 991 (1000-1¼)	1880-1½ 991 (1000-1½)	1880-3 991 (1000-3)	
C CIRCLING	1880-1¼ 991 (1000-1¼)	1880-1½ 991 (1000-1½)	1880-3 991 (1000-3)	
BATYE FIX MINIMUMS				
S-13	1240-1 351 (400-1)			
C CIRCLING	1300-1 411 (500-1)	1340-1 451 (500-1)	1360-1½ 471 (500-1½)	1440-2 551 (600-2)

FAF to MAP 4.9 NM

Knots	60	90	120	150	180
Min:Sec	4:54	3:16	2:27	1:58	1:38

NC-3, 25 FEB 2021 to 22 APR 2021

COLUMBIA, MISSOURI | AL-5595 (FAA) | 20310

VOR Y RWY 20
COLUMBIA RGNL (COU)

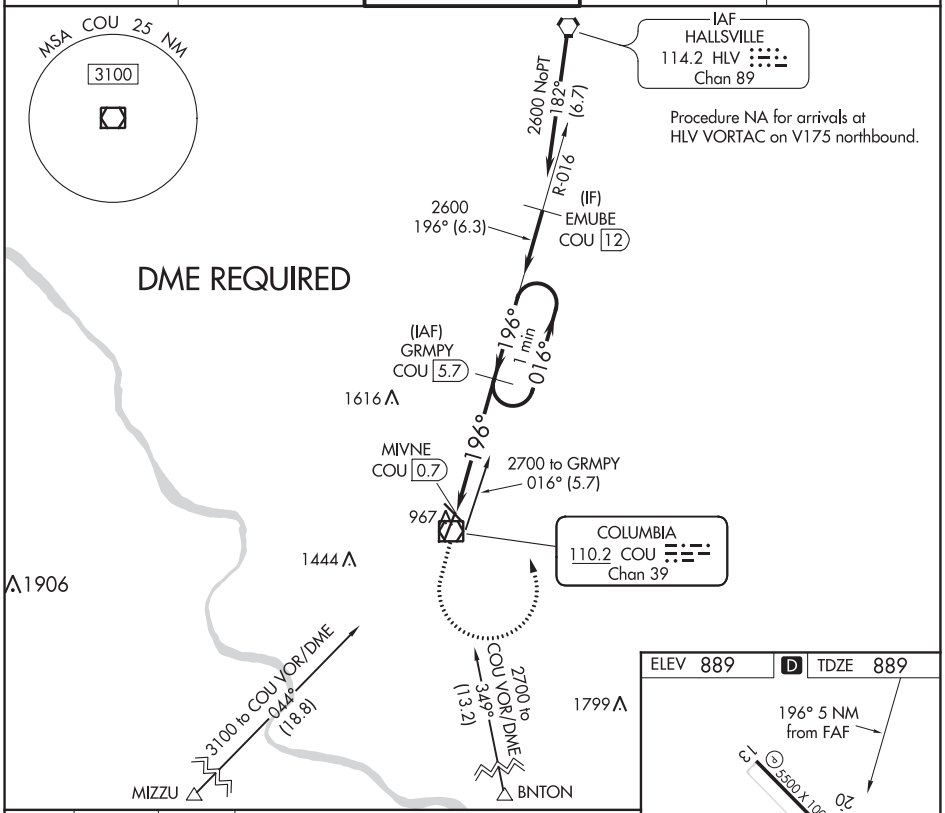
VOR/DME COU 110.2 Chan 39	APP CRS 196°	Rwy ldg 6501 TDZE 889 Apt Elev 889

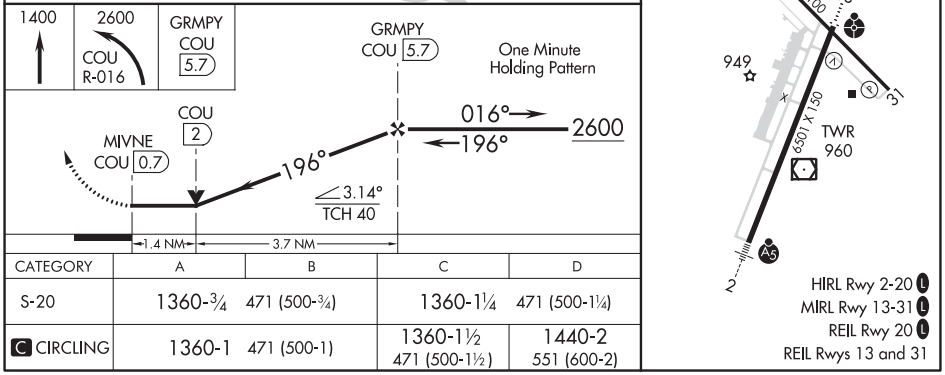
Circling NA for Cat D west of Rwys 2 and 13. DME required.

ODALS

MISSED APPROACH: Climb to 1400 then climbing left turn to 2600 on COU VOR/DME R-016 to GRMPY/COU 5.7 DME and hold.

ATIS	MIZZU APP CON	COLUMBIA TOWER ★	GND CON	UNICOM
128.45	124.375 353.7	119.3 (CTAF) L 363.25	121.6	122.95





CATEGORY	A	B	C	D
S-20	1360-¾ 471 (500-¾)		1360-1¼ 471 (500-1¼)	
C CIRCLING	1360-1 471 (500-1)		1360-1½ 471 (500-1½)	1440-2 551 (600-2)

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

VOR/DME COU	APP CRS	Rwy ldg	6501
110.2	199°	TDZE	889
Chan 39		Apt Elev	889

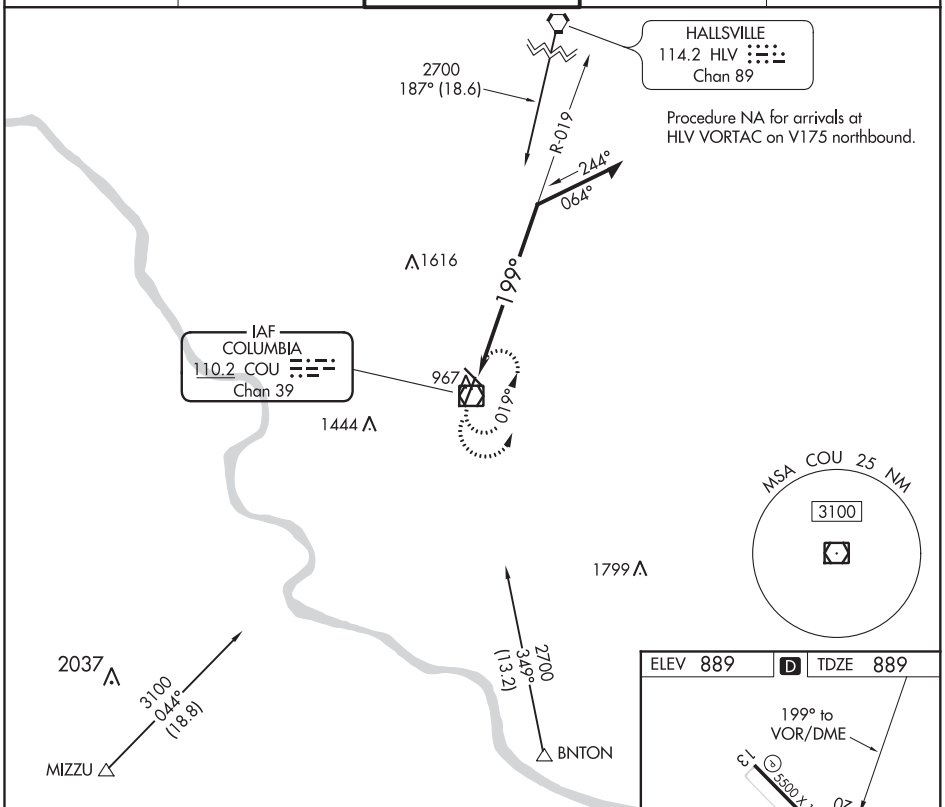
VOR Z RWY 20
COLUMBIA RGNL (COU)

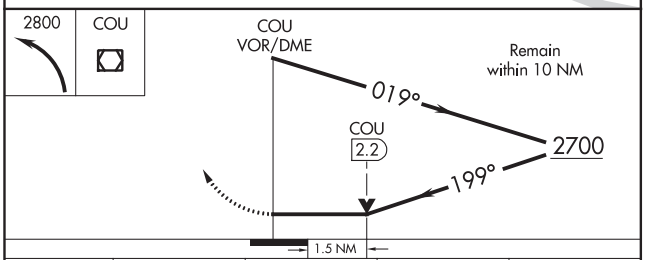
Inop table does not apply to S-20 Cats C/D.
Circling NA for Cat D west of Rwys 2 and 13.

ODALS

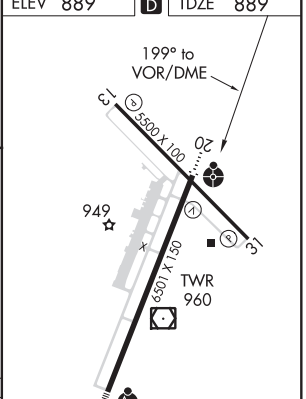
MISSED APPROACH: Climbing left turn to 2800 in COU VOR/DME holding pattern.

ATIS	MIZZU APP CON	COLUMBIA TOWER ★	GND CON	UNICOM
128.45	124.375 353.7	119.3 (CTAF) L 363.25	121.6	122.95





CATEGORY	A	B	C	D
S-20	1400-¾ 511 (600-¾)		1400-1⅜ 511 (600-1⅜)	
C CIRCLING	1400-1 511 (600-1)		1400-1½ 511 (600-1½)	1440-2 551 (600-2)



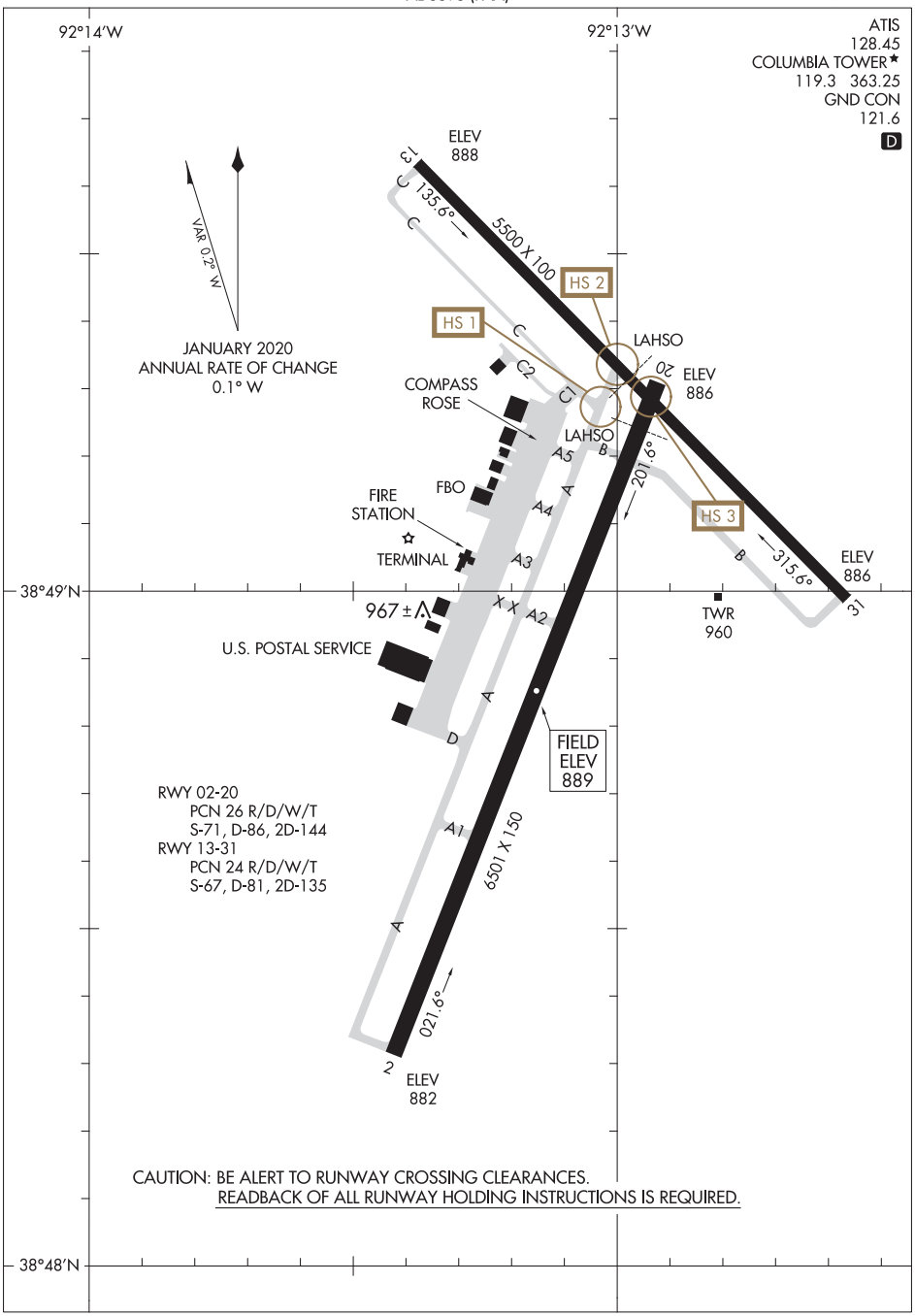
NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

20086

AIRPORT DIAGRAM

AL-5595 (FAA)

COLUMBIA RGNL (COU)
COLUMBIA, MISSOURI



NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

AIRPORT DIAGRAM
20086
COLUMBIA, MISSOURI
COLUMBIA RGNL (COU)

APP CRS	Rwy ldg	2684
177°	TDZE	1274
	Apt Elev	1274

RNAV (GPS) RWY 18
CORNING MUNI (CRZ)

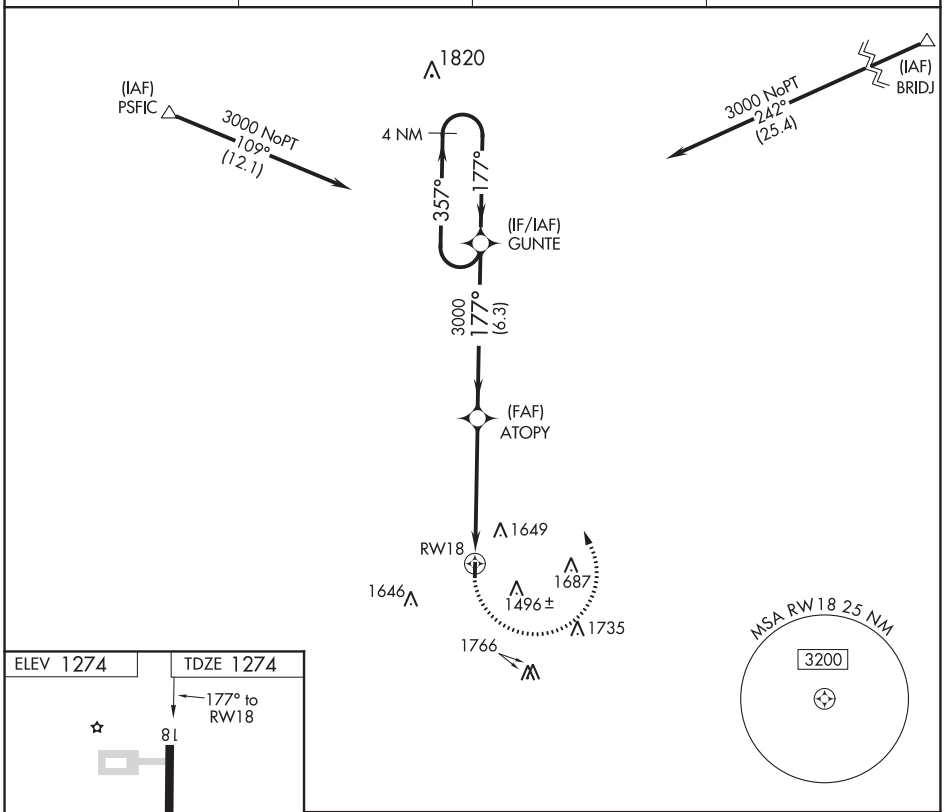
RNP APCH.

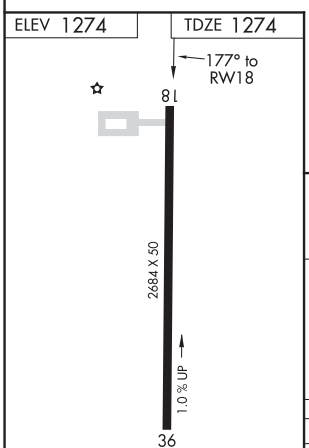
Use Creston altimeter setting; when not received, use Clarinda altimeter setting and increase all MDAs 60 feet.

NA

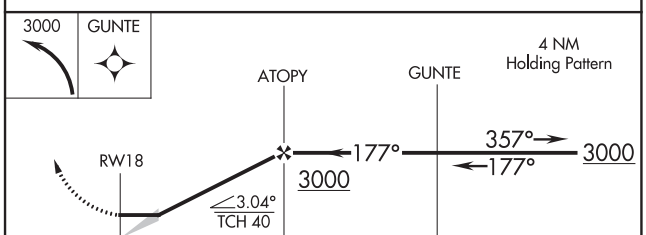
MISSED APPROACH: Climbing left turn to 3000 direct GUNTE and hold.

CSQ AWOS-3	MINNEAPOLIS CENTER	CTAF	122.8 L
124.75	119.6 290.4	122.9	





MIRL Rwy 18-36 L



CATEGORY	A	B	C	D
LNAV MDA	1820-1 546 (600-1)		NA	
CIRCLING	1840-1 566 (600-1)	2000-1 726 (800-1)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021

COUNCIL BLUFFS, IOWA — AL-5540 (FAA) — 20142

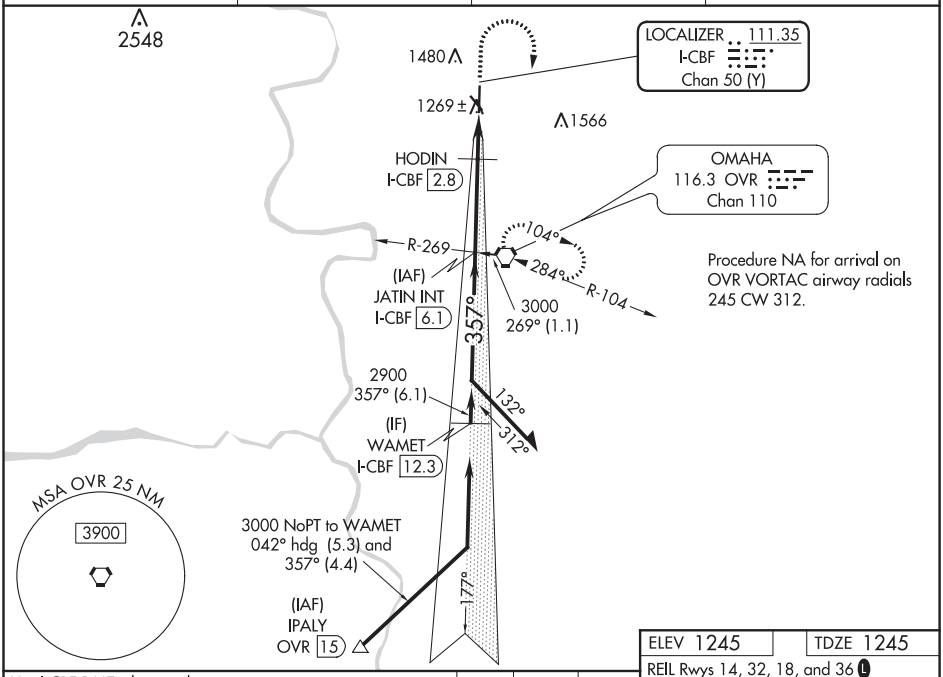
ILS or LOC RWY 36
COUNCIL BLUFFS MUNI (CBF)

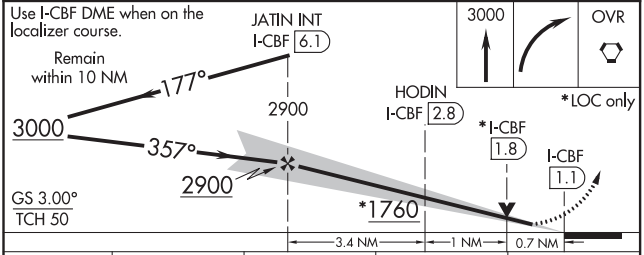
LOC/DME I-CBF	APP CRS	Rwy ldg	5500
111.35	357°	TDZE	1245
Chan 50 (Y)		Apt Elev	1245

T A NA — VDP NA with Eppley Airfield altimeter setting. When local altimeter setting not received, use Eppley Airfield altimeter setting and increase S-ILS 36 DA to 1498 feet, and all MDA 60 feet and increase S-LOC 36 Cats C and D and Circling Cat C and D visibility ¼ SM. HODIN fix minimums: increase Circling Cat C and D visibility ¼ SM.

MISSED APPROACH: Climb to 3000 then right turn direct OVR VORTAC and hold.

AWOS-3	OMAHA APP CON	CLNC DEL	UNICOM
126.575	124.5 263.0	127.675	122.8 (CTAF) L





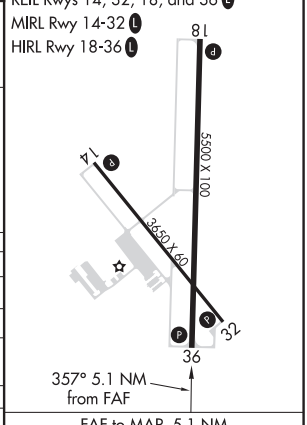
CATEGORY	A	B	C	D
S-ILS 36	1445-¾ 200 (200-¾)			
S-LOC 36	1760-1 515 (600-1)		1760-1⅜ 515 (600-1⅜)	
C CIRCLING	1780-1 535 (600-1)	1840-1 595 (600-1)	1840-1½ 595 (600-1½)	1880-2 635 (700-2)
	HODIN FIX MINIMUMS			
S-LOC 36	1520-1 275 (300-1)			
C CIRCLING	1780-1 535 (600-1)	1840-1 595 (600-1)	1840-1½ 595 (600-1½)	1880-2 635 (700-2)

ELEV 1245 — TDZE 1245

REIL Rwys 14, 32, 18, and 36 L

MIRL Rwy 14-32 L

HIRL Rwy 18-36 L



FAF to MAP 5.1 NM					
Knots	60	90	120	150	180
Min:Sec	5:06	3:24	2:33	2:02	1:42

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

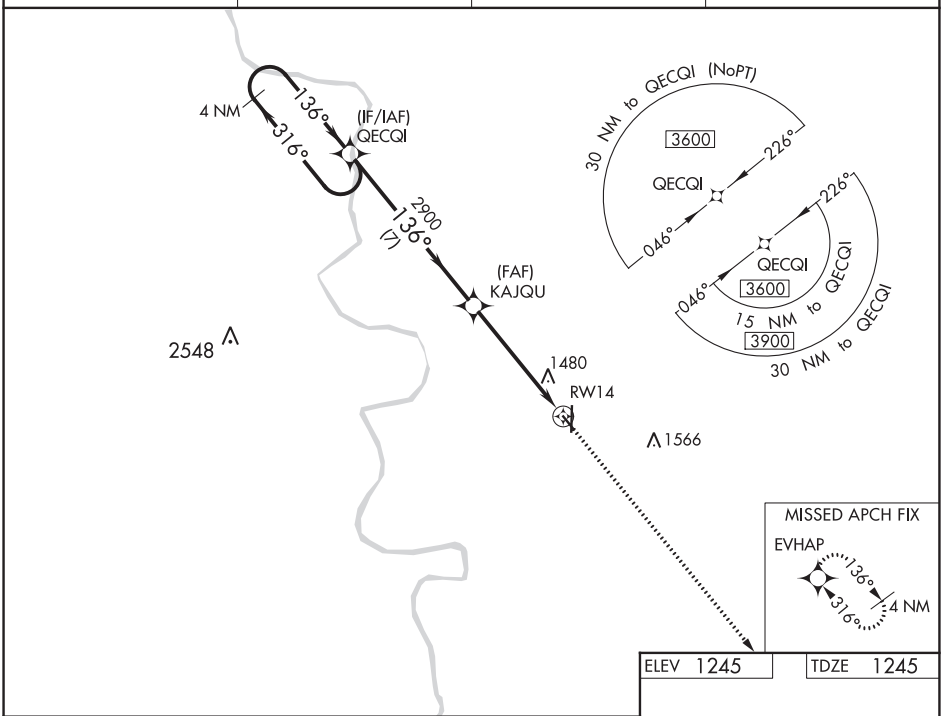
WAAS CH 45841 W14A	APP CRS 136°	Rwy ldg 3650 TDZE 1245 Apt Elev 1245

RNAV (GPS) RWY 14
COUNCIL BLUFFS MUNI (CBF)

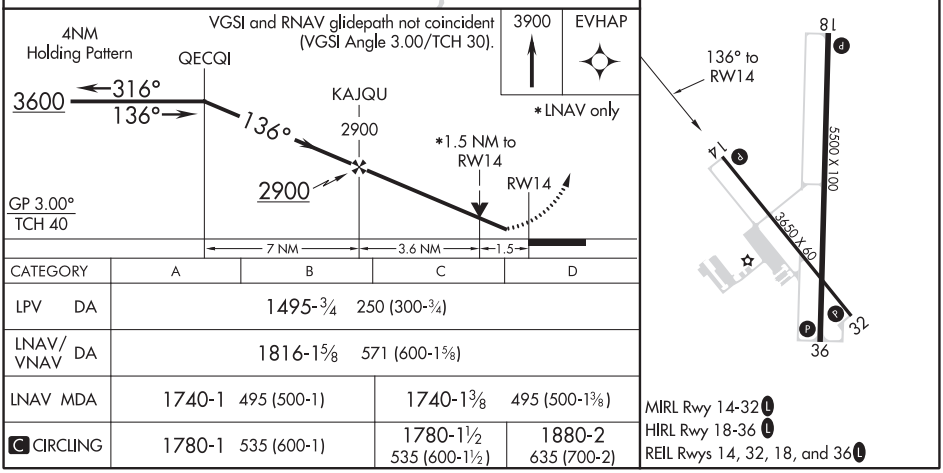
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -18°C (0°F) or above 54°C (130°F). Rwy 14 helicopter visibility reduction below ¾ SM NA. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 3900 direct EVHAP and hold.

AWOS-3	OMAHA APP CON	CLNC DEL	UNICOM
126.575	124.5 263.0	127.675	122.8 (CTAF) L



ELEV 1245	TDZE 1245



CATEGORY	A	B	C	D
LPV DA	1495-¾ 250 (300-¾)			
LNAV/VNAV DA	1816-1⅝ 571 (600-1⅝)			
LNAV MDA	1740-1 495 (500-1)		1740-1⅜ 495 (500-1⅜)	
C CIRCLING	1780-1 535 (600-1)		1780-1½ 535 (600-1½)	1880-2 635 (700-2)

MIRL Rwy 14-32 L
HIRL Rwy 18-36 L
REIL Rwys 14, 32, 18, and 36 L

COUNCIL BLUFFS, IOWA | AL-5540 (FAA) | 19283

WAAS CH 42806 W18A	APP CRS 177°	Rwy ldg 5500 TDZE 1241 Apt Elev 1245

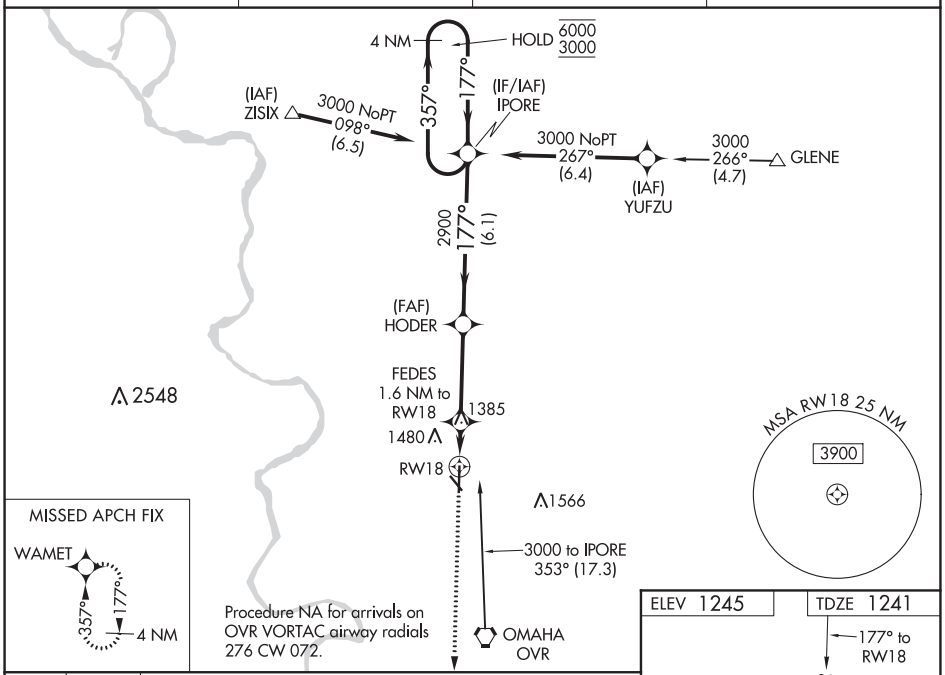
RNAV (GPS) RWY 18
COUNCIL BLUFFS MUNI (CBF)

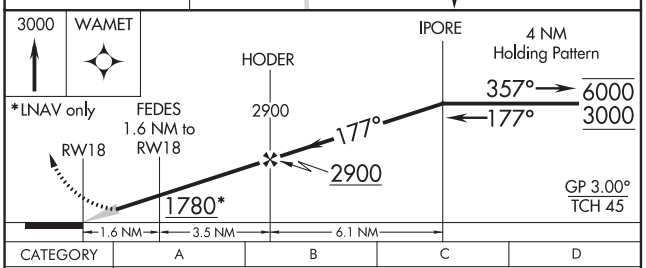
RNP APCH.

Baro-VNAV NA when using Eppley Airfield altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 54°C. When local altimeter setting not received, use Eppley Airfield altimeter setting and increase LPV DA to 1544 feet, LNAV/VNAV DA to 1750 feet and all MDA 60 feet and increase LPV all Cats visibility ⅛ SM, LNAV Cat C and D and Circling Cat C and D visibility ¼ SM.

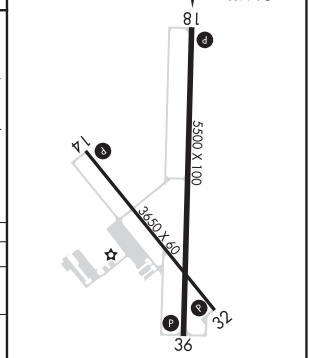
MISSED APPROACH: Climb to 3000 direct WAMET and hold.

AWOS-3	OMAHA APP CON	CLNC DEL	UNICOM
126.575	124.5 263.0	127.675	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1491-¾ 250 (300-¾)			
LNAV/VNAV DA	1697-1⅜ 456 (500-1⅜)			
LNAV MDA	1640-1 399 (400-1)		1640-1⅛ 399 (400-1⅛)	
C CIRCLING	1780-1 535 (600-1)	1840-1 595 (600-1)	1840-1½ 595 (600-1½)	1880-2 635 (700-2)



MIRL Rwy 14-32 L
HIRL Rwy 18-36 L
REIL Rwys 14, 32, 18, and 36 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

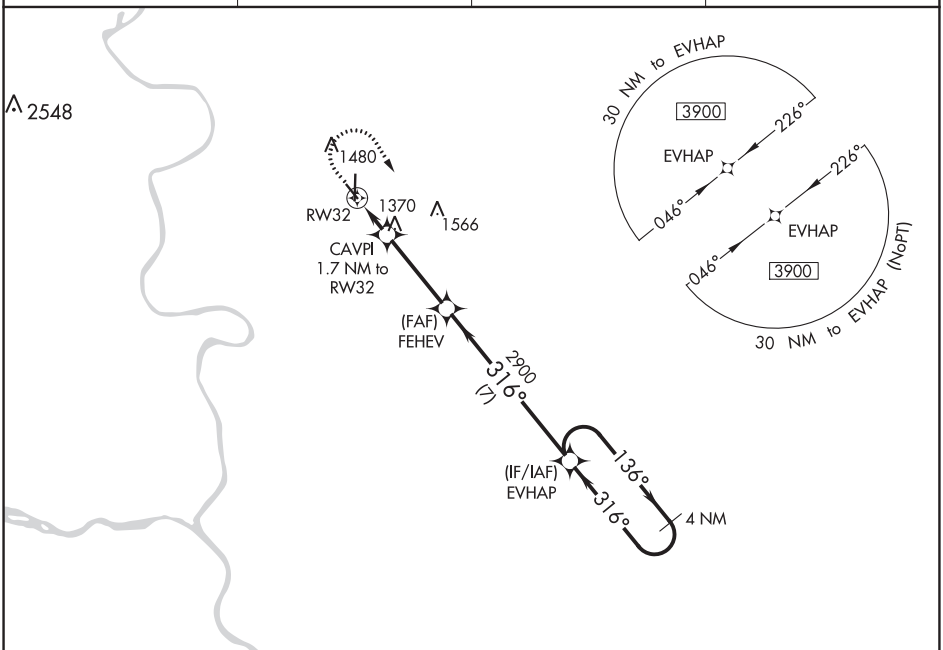
WAAS CH 90441 W32A	APP CRS 316°	Rwy ldg 3650 TDZE 1245 Apt Elev 1245

RNAV (GPS) RWY 32
COUNCIL BLUFFS MUNI (CBF)

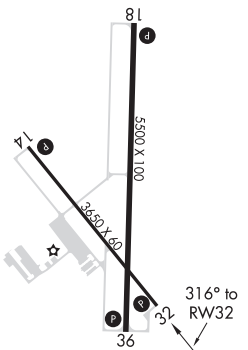
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -18°C (0°F) or above 54°C (130°F).
DME/DME RNP- 0.3 NA.

MISSED APPROACH: Climb to 2000 then climbing right turn to 3900 direct EVHAP and hold.

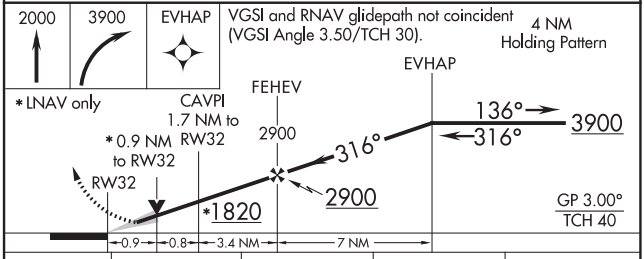
AWOS-3	OMAHA APP CON	CLNC DEL	UNICOM
126.575	124.5 263.0	127.675	122.8 (CTAF) L



ELEV 1245 TDZE 1245



MIRL Rwy 14-32 L
HIRL Rwy18-36 L
REIL Rwys 14, 32, 18, and 36 L



CATEGORY	A	B	C	D
LPV DA	1445-¾ 200 (200-¾)			
LNAV/VNAV DA	1495-¾ 250 (300-¾)			
LNAV MDA	1620-1 375 (400-1)			
C CIRCLING	1780-1 535 (600-1)		1780-1½ 535 (600-1½)	1880-2 635 (700-2)

NC-3, 25 FEB 2021 to 22 APR 2021

COUNCIL BLUFFS, IOWA | AL-5540 (FAA) | 19283

WAAS CH 53606 W36A	APP CRS 357°	Rwy ldg 5500 TDZE 1245 Apt Elev 1245

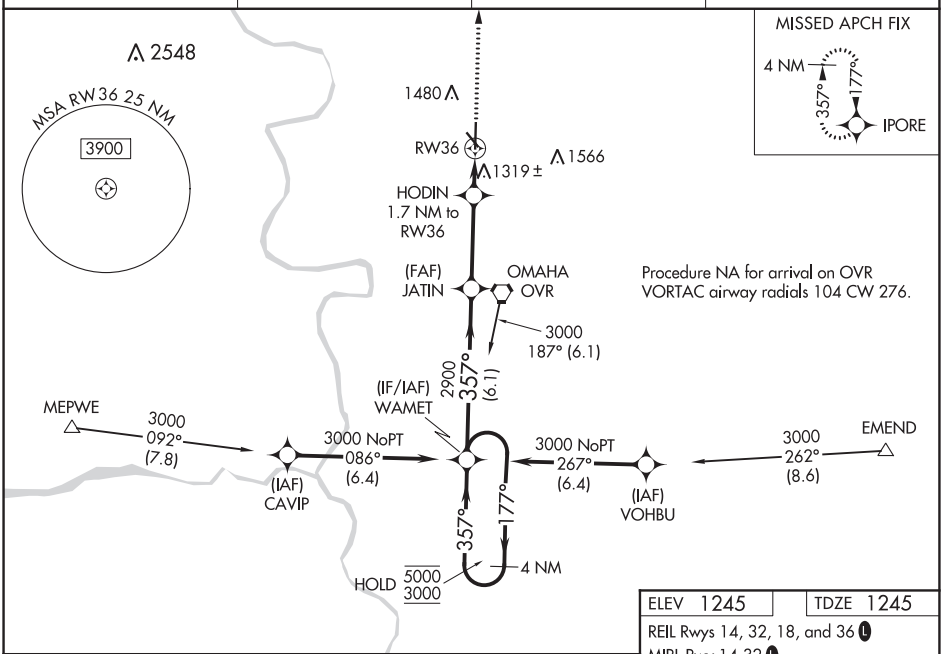
RNAV (GPS) RWY 36
COUNCIL BLUFFS MUNI (CBF)

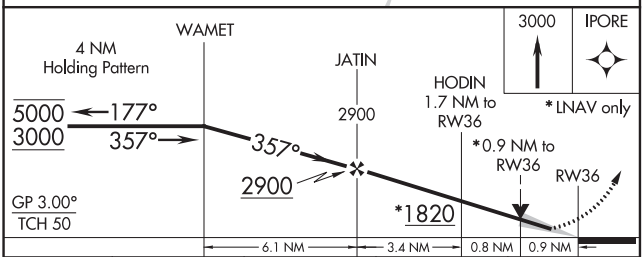
RNP APCH.

Baro-VNAV and VDP NA when using Eppley Airfield altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 54°C. When local altimeter setting not received, use Eppley Airfield altimeter setting and increase LPV DA to 1498 feet, LNAV/VNAV DA to 1548 feet, and all MDA 60 feet and increase LNAV/VNAV all Cats visibility ⅛ SM, LNAV Cat C and D visibility ⅛ SM, and Circling Cat C and D visibility ¼ SM.

MISSED APPROACH: Climb to 3000 direct IPORE and hold.

AWOS-3	OMAHA APP CON	CLNC DEL	UNICOM
126.575	124.5 263.0	127.675	122.8 (CTAF) L





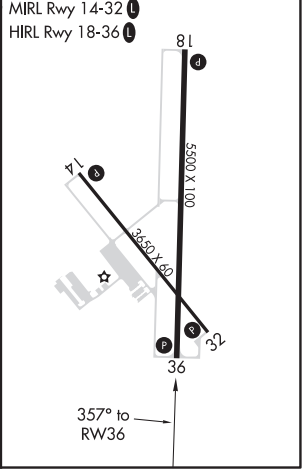
CATEGORY	A	B	C	D
LPV DA	1445-¾ 200 (200-¾)			
LNAV/VNAV DA	1495-¾ 250 (300-¾)			
LNAV MDA	1580-1 335 (400-1)			
C CIRCLING	1780-1 535 (600-1)	1840-1 595 (600-1)	1840-1½ 595 (600-1½)	1880-2 635 (700-2)

ELEV 1245 | TDZE 1245

REIL Rwys 14, 32, 18, and 36 L

MIRL Rwy 14-32 L

HIRL Rwy 18-36 L



NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

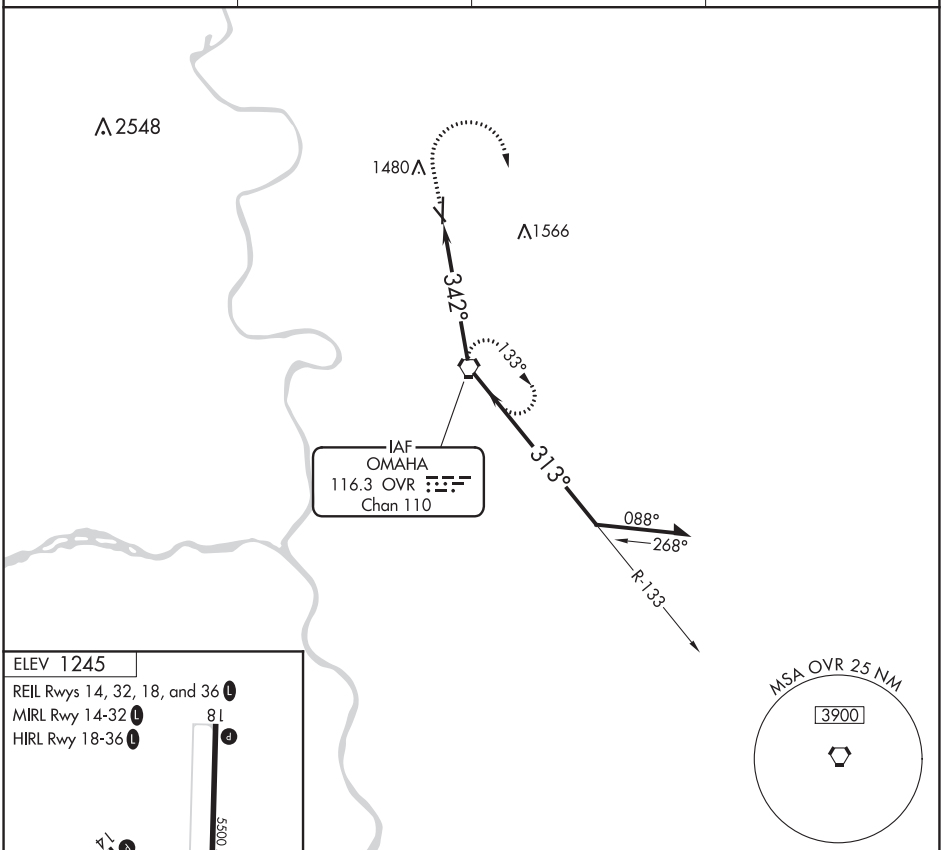
VORTAC OVR	APP CRS	Rwy ldg	N/A
116.3	342°	TDZE	N/A
Chan 110		Apt Elev	1245

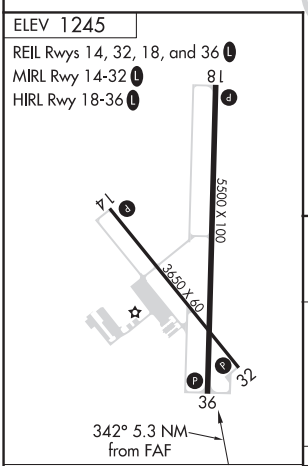
VOR-A
COUNCIL BLUFFS MUNI (CBF)

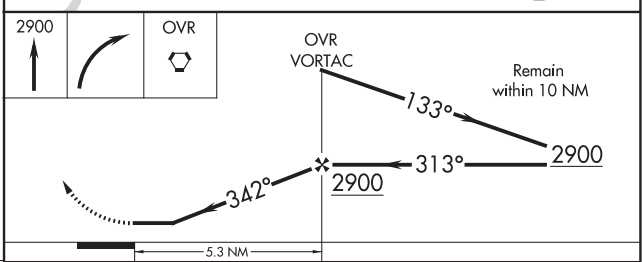
When local altimeter setting not received, use Eppley Airfield altimeter setting: increase all MDAs 60 feet and visibility Cat C and D ¼ SM.

MISSED APPROACH: Climb to 2900 then right turn direct OVR VORTAC and hold.

AWOS-3	OMAHA APP CON	CLNC DEL	UNICOM
126.575	124.5 263.0	127.675	122.8 (CTAF) L







FAF to MAP 5.3 NM					
Knots	60	90	120	150	180
Min:Sec	5:18	3:32	2:39	2:07	1:46

CATEGORY	A	B	C	D
C CIRCLING	1780-1	535 (600-1)	1840-1½ 595 (600-1½)	1880-2 635 (700-2)

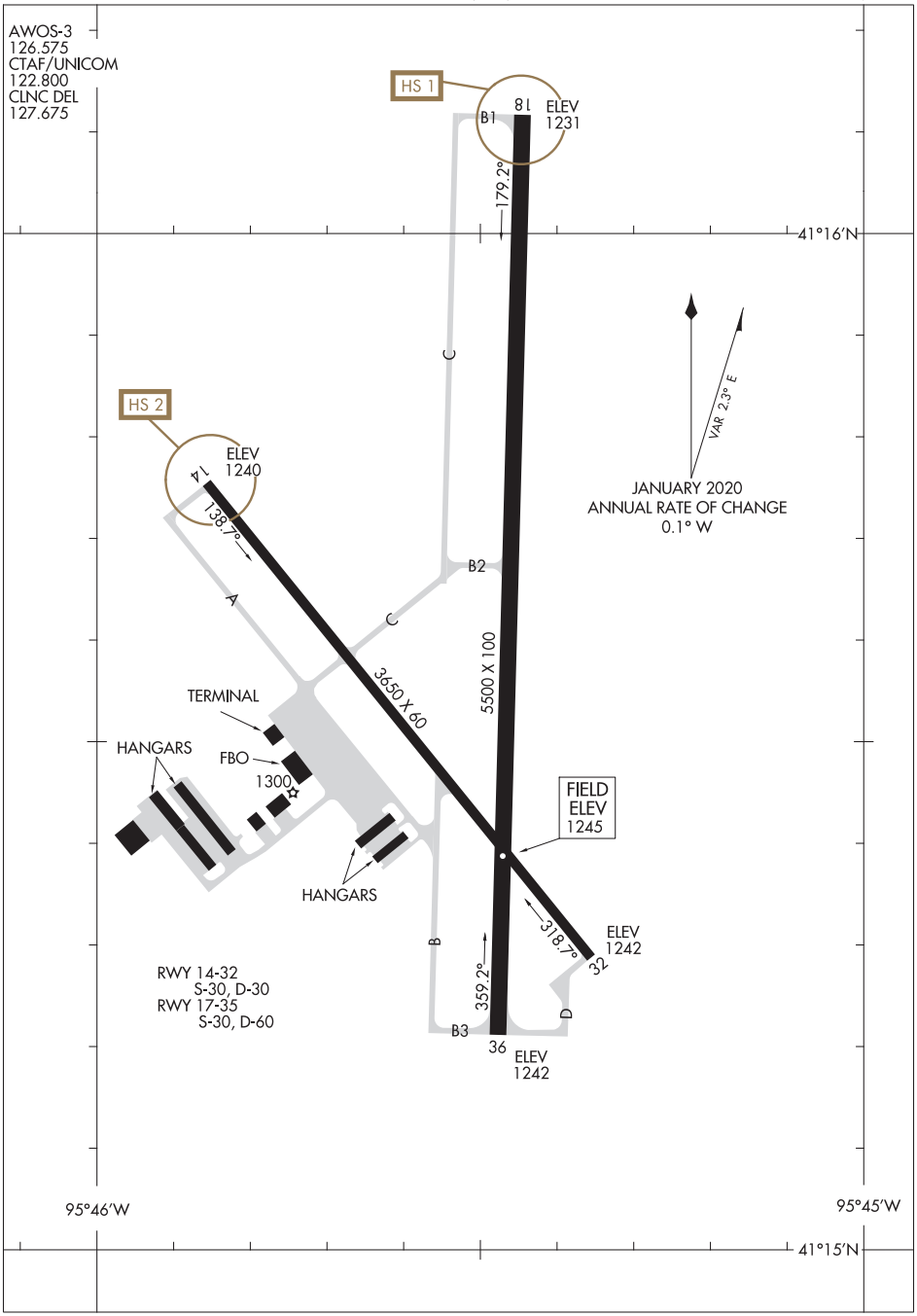
20086

AIRPORT DIAGRAM

AL-5540 (FAA)

COUNCIL BLUFFS MUNI (CBF)

COUNCIL BLUFFS, IOWA



NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

AIRPORT DIAGRAM
20086
COUNCIL BLUFFS, IOWA
COUNCIL BLUFFS MUNI (CBF)

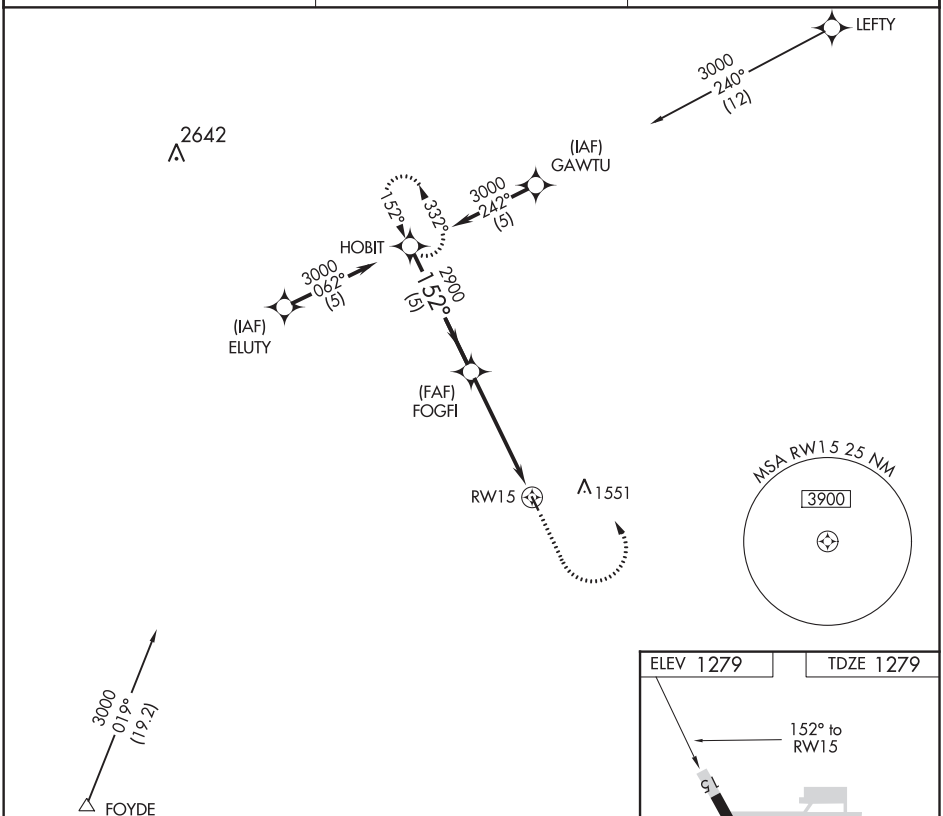
APP CRS	Rwy ldg	2949
152°	TDZE	1279
	Apt Elev	1279

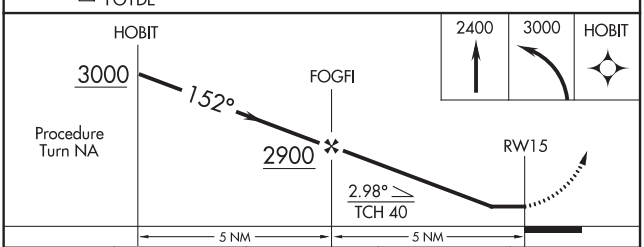
GPS RWY 15
ELLEN CHURCH FIELD (CJJ)

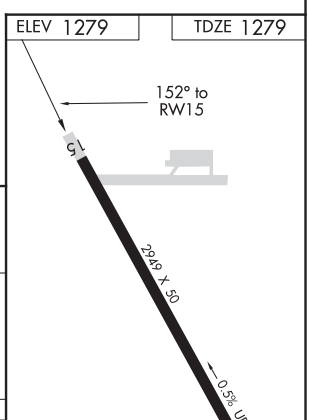
Use Decorah Muni altimeter setting. Procedure NA at night. Rwy 15 helicopter visibility reduction below 1 SM NA.

MISSED APPROACH: Climb to 2400, then climbing left turn to 3000 direct HOBIT and hold.

DEH AWOS-3	MINNEAPOLIS CENTER	UNICOM
120.925	118.85	122.8 (CTAF) L







CATEGORY	A	B	C	D
S-15	1980-1	701 (800-1)	1980-2 701 (800-2)	NA
CIRCLING	1980-1	701 (800-1)	1980-2 701 (800-2)	NA

LIRL Rwy 15-33 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

CRESCO, IOWA | AL-6773 (FAA) | 19283

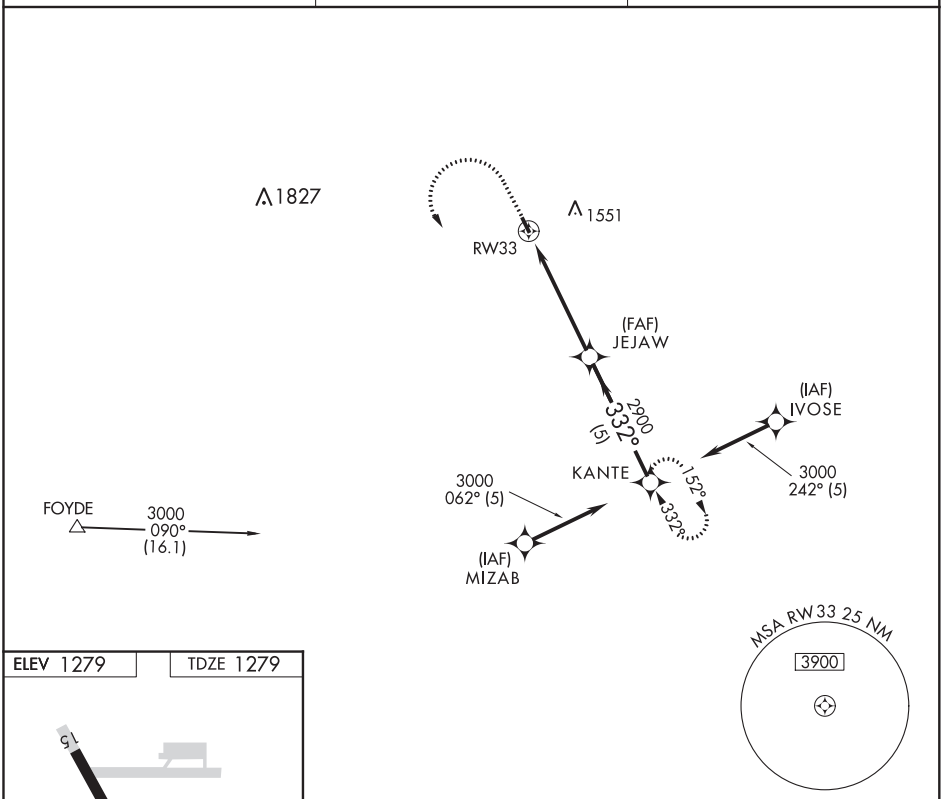
APP CRS	Rwy ldg	2949
332°	TDZE	1279
	Apt Elev	1279

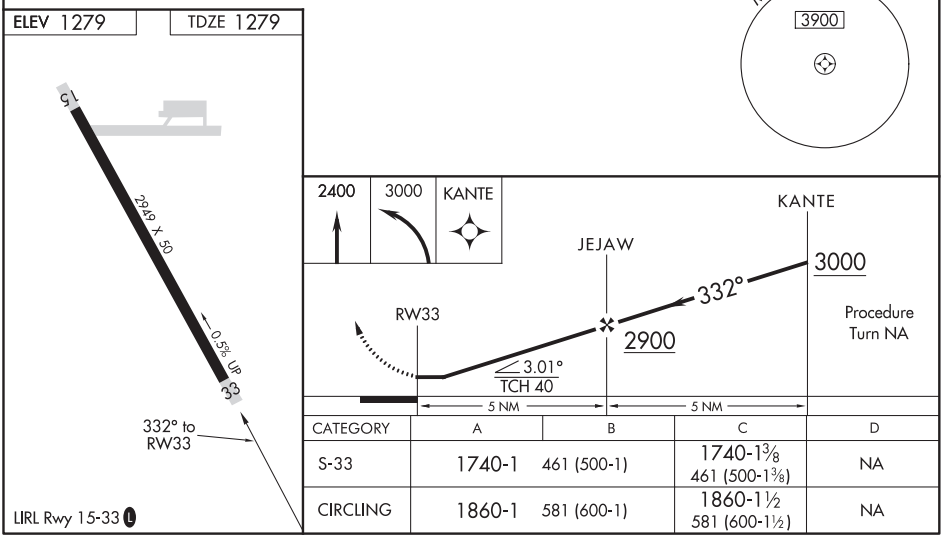
GPS RWY 33
ELLEN CHURCH FIELD (CJJ)

Use Decorah Muni altimeter setting. Procedure NA at night.
NA Rwy 33 helicopter visibility reduction below 1 SM NA.

MISSED APPROACH: Climb to 2400 then climbing left turn to 3000 direct KANTE and hold.

DEH AWOS-3	MINNEAPOLIS CENTER	UNICOM
120.925	118.85	122.8 (CTAF) L





CATEGORY	A	B	C	D
S-33	1740-1	461 (500-1)	1740-1⅜ 461 (500-1⅜)	NA
CIRCLING	1860-1	581 (600-1)	1860-1½ 581 (600-1½)	NA

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

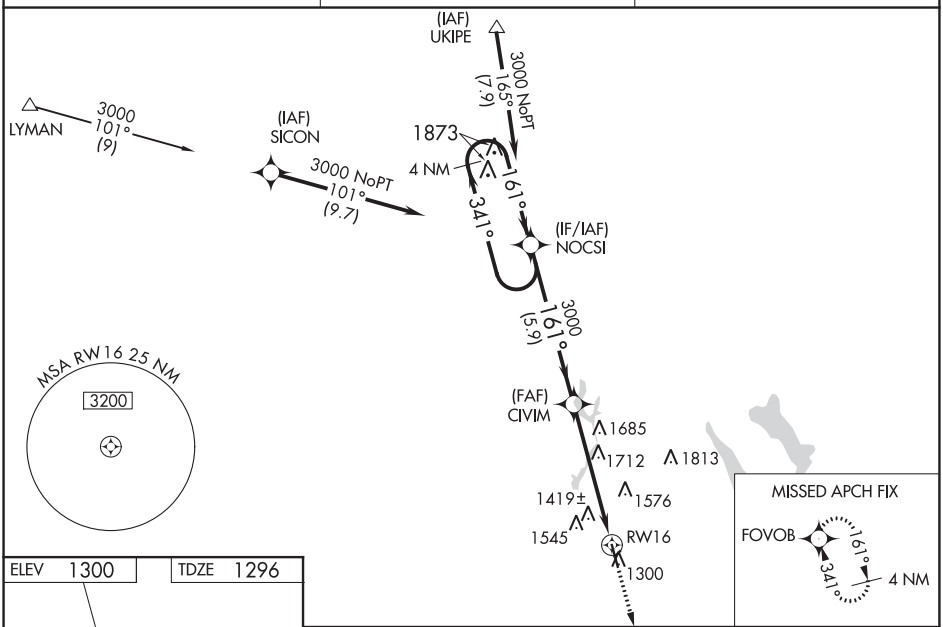
RNAV (GPS) RWY 16
CRESTON MUNI (CSQ)

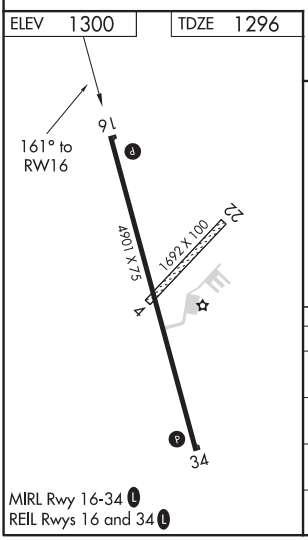
WAAS CH 62822 W16A	APP CRS 161°	Rwy ldg 4901 TDZE 1296 Apt Elev 1300

Baro-VNAV NA when using Des Moines altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Helicopter visibility reduction below ¾ SM NA. Circling NA to Rwy 4-22. Circling NA for Cats B and C west of Rwy 16-34. When local altimeter setting not received, use Des Moines altimeter setting and increase all DA 150 feet and all MDA 160 feet; increase LPV all Cats visibility ⅜ mile, LNAV/VNAV all Cats visibility ½ mile, LNAV and Circling Cat A/B visibility ¼ mile, and LNAV and Circling Cat C visibility ½ mile.

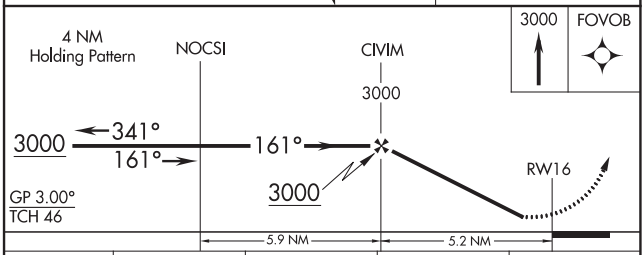
MISSED APPROACH: Climb to 3000 direct FOVOB and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
124.75	125.65 306.95	122.8 (CTAF) L





MIRL Rwy 16-34 L
REIL Rwys 16 and 34 L



CATEGORY	A	B	C	D
LPV DA	1546-1 250 (300-1)			NA
LNAV/VNAV DA	1730-1½ 434 (500-1½)			NA
LNAV MDA	2020-1 724 (800-1)		2020-2 724 (800-2)	NA
CIRCLING	2020-1 720 (800-1)		2020-2 720 (800-2)	NA

CRESTON, IOWA

AL-5531 (FAA)

20310

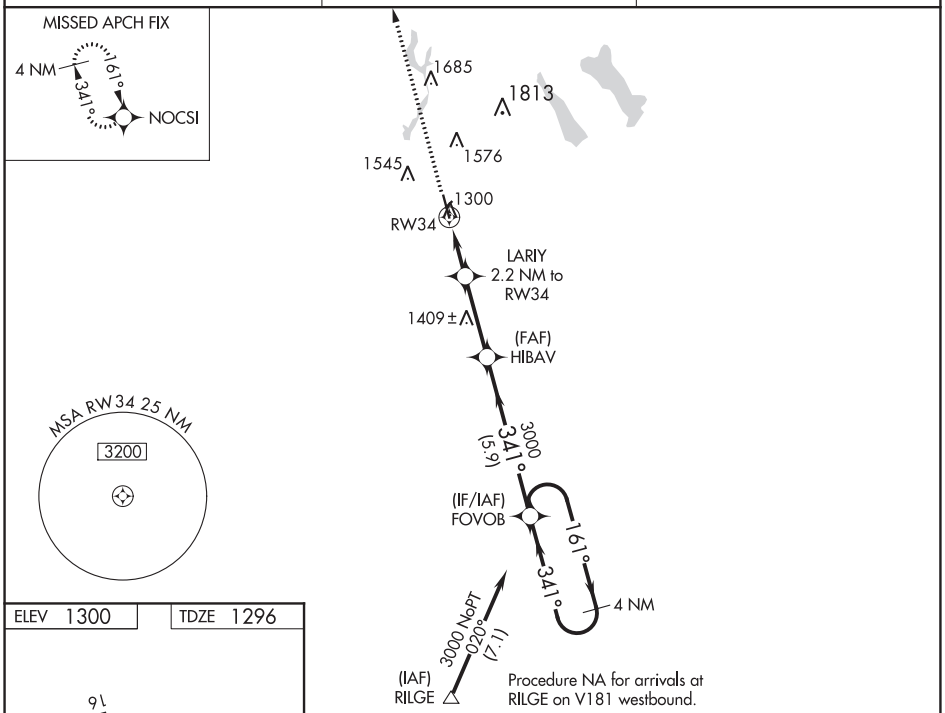
RNAV (GPS) RWY 34
CRESTON MUNI (CSQ)

WAAS CH 82422 W34A	APP CRS 341°	Rwy ldg 4901 TDZE 1296 Apt Elev 1300

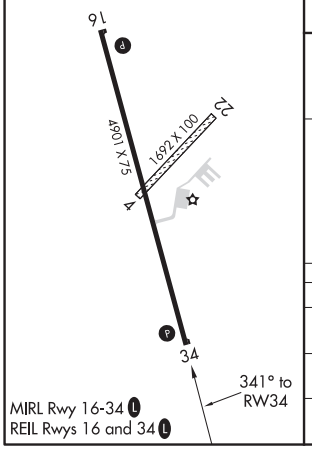
T A DME/DME RNP-0.3 NA. Helicopter visibility reduction below 1 SM NA. Circling NA for Cats B and C west of Rwy 16-34. Circling NA to Rwy 4-22. When local altimeter setting not received, use Des Moines altimeter setting and increase all MDA 160 feet, and increase LP and LNAV Cat C visibility ½ mile, Circling Cat C visibility ¼ mile.

MISSED APPROACH: Climb to 3000 direct NOCSI and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
124.75	125.65 306.95	122.8 (CTAF) L



ELEV 1300	TDZE 1296



MIRL Rwy 16-34 L
REIL Rwys 16 and 34 L

CATEGORY	A	B	C	D
LP MDA	1660-1 364 (400-1)			NA
LNAV MDA	1660-1 364 (400-1)			NA
CIRCLING	1720-1 420 (500-1)	1760-1 460 (500-1)	1820-1½ 520 (600-1½)	NA

CRESTON, IOWA
Amdt 1B 15OCT15

41°01′N-94°22′W

CRESTON MUNI (CSQ)
RNAV (GPS) RWY 34

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 40220 W18A	APP CRS 185°	Rwy ldg 3420 TDZE 1023 Apt Elev 1023

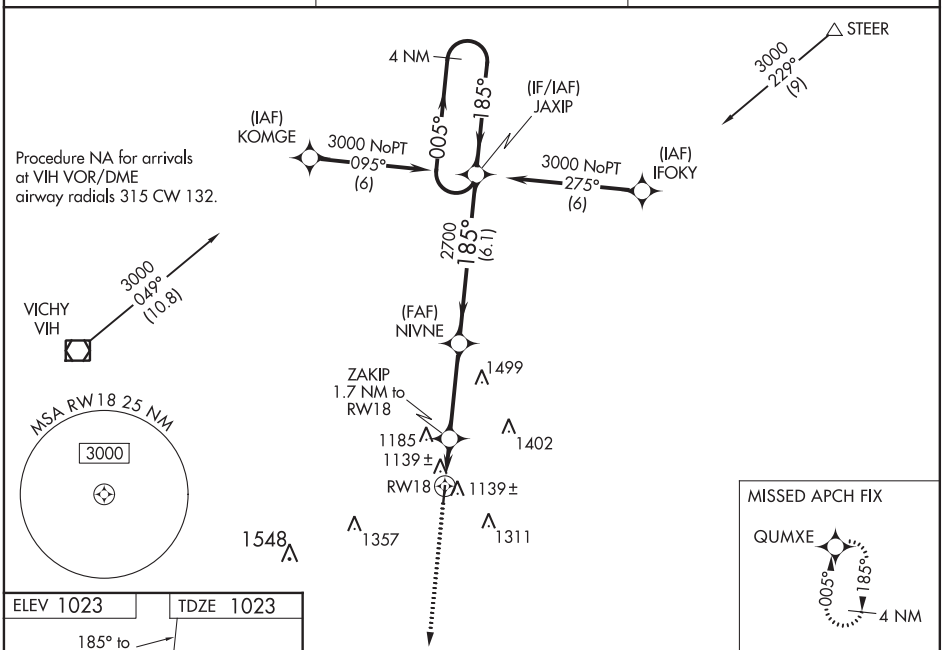
RNAV (GPS) RWY 18
CUBA MUNI (UBX)

RNP APCH.

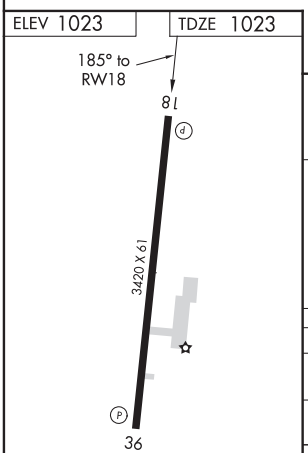
T A NA Circling NA for Cat B east of Rwy 18-36. Baro-VNAV NA. Use Rolla/Vichy altimeter setting; when not received, use Fort Leonard Wood altimeter setting and increase all DA 54 feet and all MDA 60 feet; increase LPV Cat A/B and LNAV/VNAV Cat A/B visibilities ¼ SM. Rwy 18 helicopter visibility reduction below ¾ SM NA. Circling Rwy 36 NA at night.

MISSED APPROACH: Climb to 3000 direct QUMXE and hold.

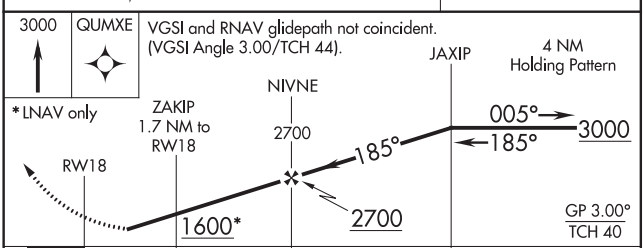
VIH ASOS	KANSAS CITY CENTER	UNICOM
119.025	128.35 284.675	122.8 (CTAF) L



ELEV 1023 TDZE 1023



REIL Rwys 18 and 36 L
MIRL Rwy 18-36 L



CATEGORY	A	B	C	D
LPV DA	1329-1	306 (400-1)	NA	
LNAV/VNAV DA	1357-1⅛	334 (400-1⅛)	NA	
LNAV MDA	1460-1	437 (500-1)	NA	
C CIRCLING	1580-1	557 (600-1)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

CUBA, MISSOURI | AL-6442 (FAA) | 20030

RNAV (GPS) RWY 36
CUBA MUNI (UBX)

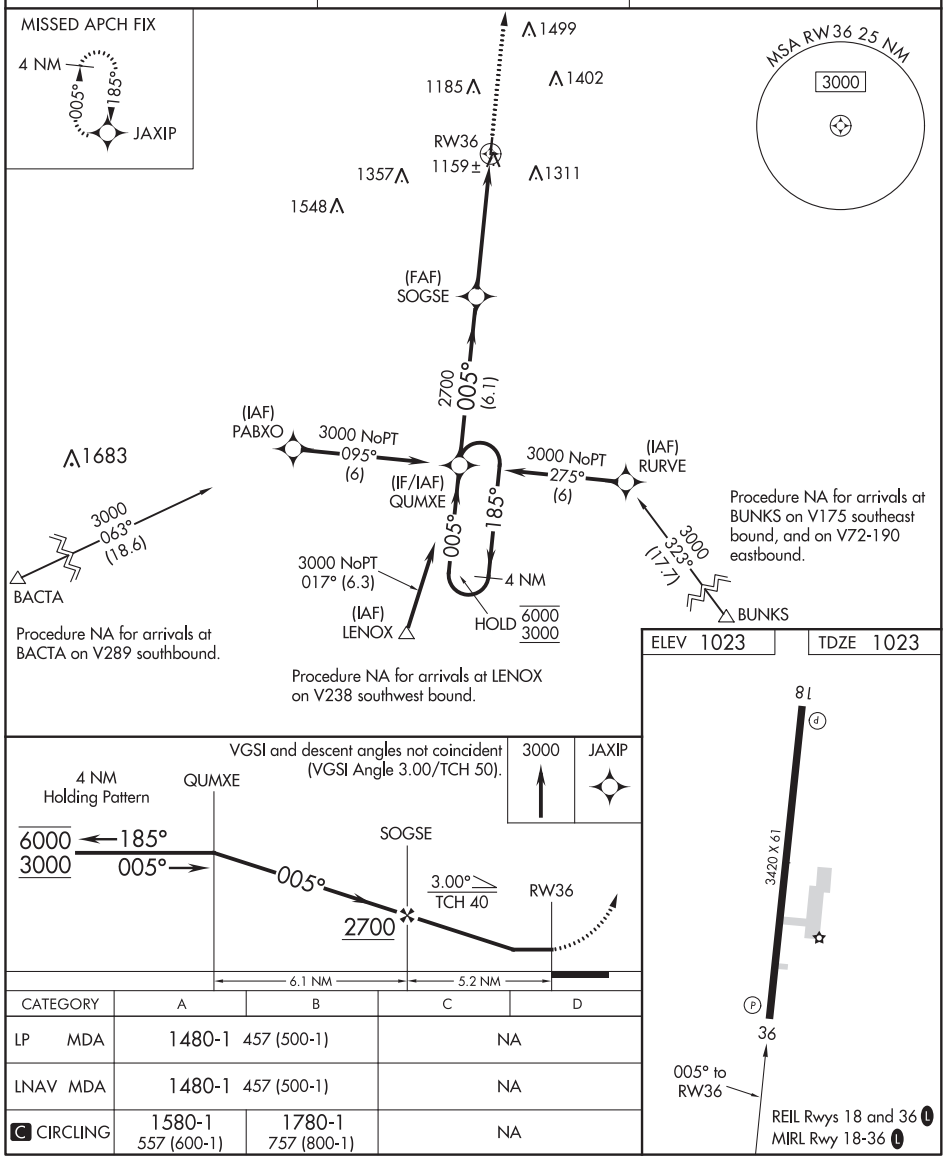
WAAS CH 70543 W36A	APP CRS 005°	Rwy ldg 3420	TDZE 1023	Apt Elev 1023

RNP APCH.

NA — Procedure NA at night. Rwy 36 helicopter visibility reduction below 1 NA. Use Rolla/Vichy altimeter setting; when not received, use Fort Leonard Wood altimeter setting and increase all MDAs 60 feet.

MISSED APPROACH: Climb to 3000 direct JAXIP and hold.

VIH ASOS	KANSAS CITY CENTER	UNICOM
119.025	128.35 284.675	122.8 (CTAF) L



CATEGORY	A	B	C	D
LP MDA	1480-1 457 (500-1)		NA	
LNAV MDA	1480-1 457 (500-1)		NA	
C CIRCLING	1580-1 557 (600-1)	1780-1 757 (800-1)	NA	

CUBA, MISSOURI
Orig-D 30JAN20

38°04′N-91°26′W

CUBA MUNI (UBX)
RNAV (GPS) RWY 36

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

LOC/DME I-DVN	APP CRS	Rwy ldg	5511
109.1	149°	TDZE	751
Chan 28		Apt Elev	751

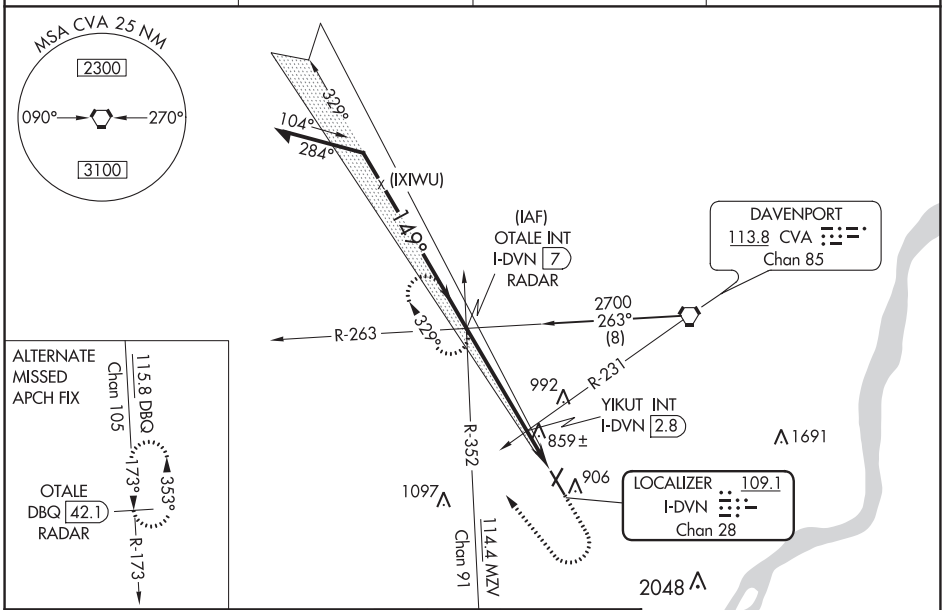
ILS or LOC RWY 15
DAVENPORT MUNI (DVN)

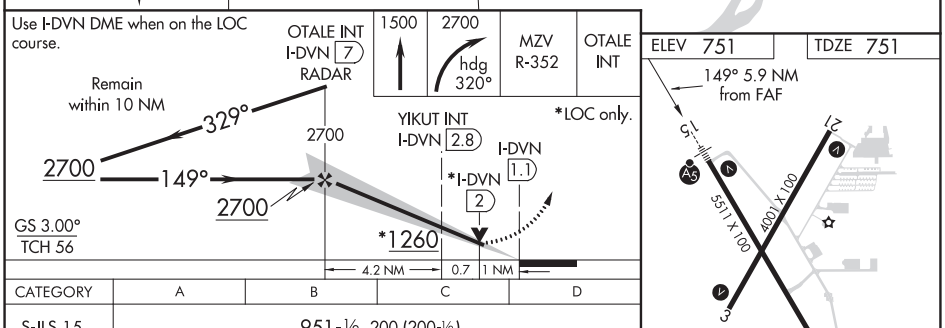
For inoperative ALS, increase S-LOC 15 Cat C/D visibility to 1⅜ SM and YIKUT fix minimums S-LOC 15 Cat C/D to 1 SM.

MALSR

MISSED APPROACH: Climb to 1500 then climbing right turn to 2700 on heading 320° and on MZV VOR/DME R-352 to OTALE INT/I-DVN 7 DME/ RADAR and hold.

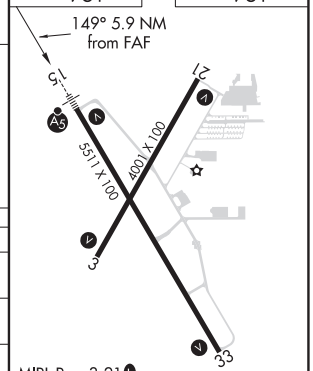
ASOS	QUAD CITY APP CON ★	CLNC DEL	UNICOM
120.175	125.95 257.8	118.35	123.0 (CTAF) L





CATEGORY	A	B	C	D
S-ILS 15	951-½ 200 (200-½)			
S-LOC 15	1260-½ 509 (600-1)		1260-1 509 (600-1)	
C CIRCLING	1300-1 549 (600-1)		1300-1½ 549 (600-1½)	1320-2 569 (600-2)
YIKUT FIX MINIMUMS				
S-LOC 15	1100-½ 349 (400-½)		1100-⅝ 349 (400-⅝)	
C CIRCLING	1300-1 549 (600-1)		1300-1½ 549 (600-1½)	1320-2 569 (600-2)

ELEV 751 TDZE 751



MIRL Rwy 3-21 L
HIRL Rwy 15-33 L
REIL Rwys 3, 21, and 33 L

FAF to MAP 5.9 NM					
Knots	60	90	120	150	180
Min:Sec	5:54	3:56	2:57	2:22	1:58

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

DAVENPORT, IOWA | AL-949 (FAA) | 20282

WAAS CH 42620 W03A	APP CRS 029°	Rwy ldg 4001 TDZE 750 Apt Elev 751

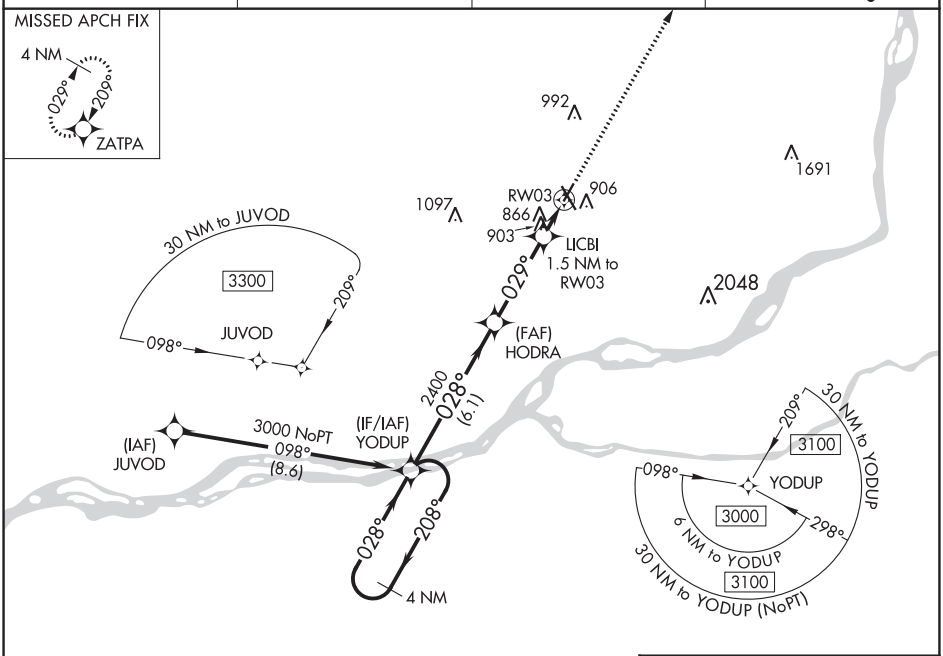
RNAV (GPS) RWY 3
DAVENPORT MUNI (DVN)

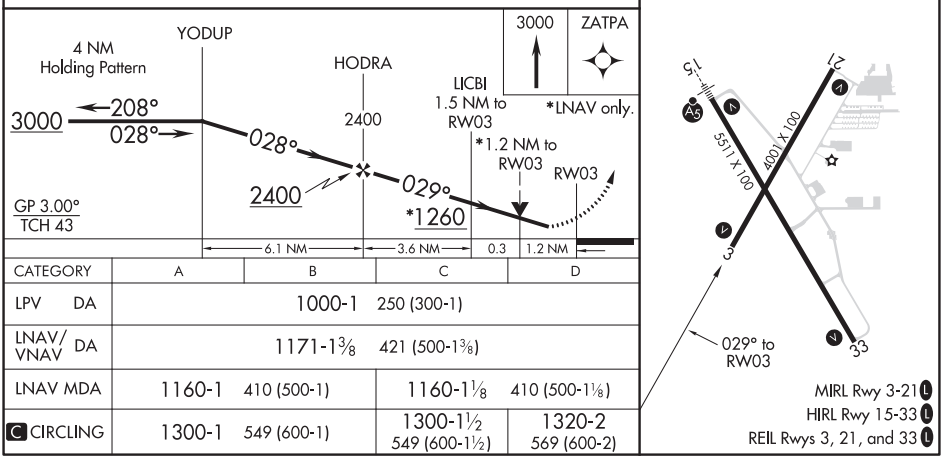
RNP APCH.

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F).
Rwy 3 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 3000 direct ZATPA and hold.

ASOS	QUAD CITY APP CON ★	CLNC DEL	UNICOM
120.175	125.95 257.8	118.35	123.0 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1000-1 250 (300-1)			
LNAV/VNAV DA	1171-1⅜ 421 (500-1⅜)			
LNAV MDA	1160-1 410 (500-1)		1160-1⅛ 410 (500-1⅛)	
C CIRCLING	1300-1 549 (600-1)		1300-1½ 549 (600-1½)	1320-2 569 (600-2)

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 81821 W15A	APP CRS 149°	Rwy ldg 5511 TDZE 751 Apt Elev 751

RNAV (GPS) RWY 15
DAVENPORT MUNI (DVN)

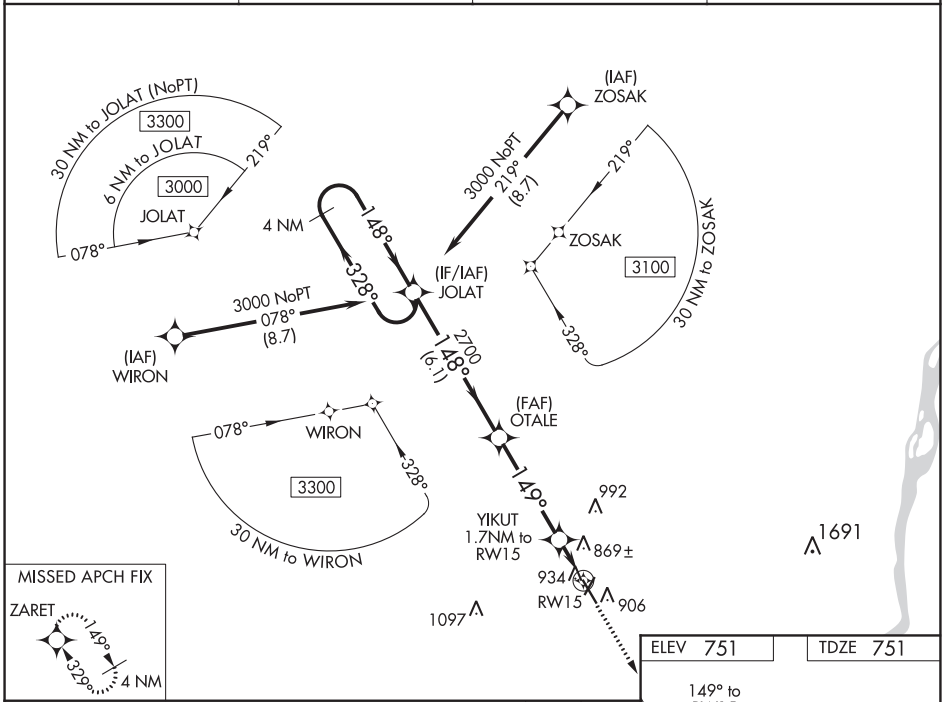
RNP APCH.

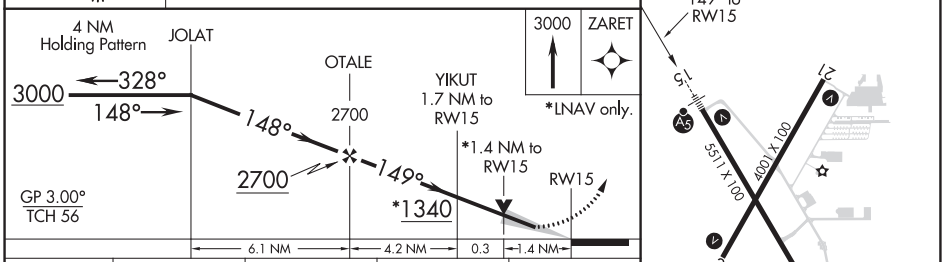
For inoperative ALS, increase LNAV/VNAV visibility to 1⅛ SM LNAV Cat C/D visibility to 1⅜ SM.

MALSR

MISSED APPROACH: Climb to 3000 direct ZARET and hold.

ASOS	QUAD CITY APP CON ★	CLNC DEL	UNICOM
120.175	125.95 257.8	118.35	123.0 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	951-½ 200 (200-½)			
LNAV/VNAV DA	1171-⅞ 420 (500-⅞)			
LNAV MDA	1240-½ 489 (500-½)		1240-1 489 (500-1)	
C CIRCLING	1300-1 549 (600-1)		1300-1½ 549 (600-1½)	1320-2 569 (600-2)

MIRL Rwy 3-21 L
HIRL Rwy 15-33 L
REIL Rwys 3, 21, and 33 L

NC-3, 25 FEB 2021 to 22 APR 2021

DAVENPORT, IOWA | AL-949 (FAA) | 20282

WAAS CH 50320 W21A	APP CRS 209°	Rwy ldg 4001 TDZE 750 Apt Elev 751

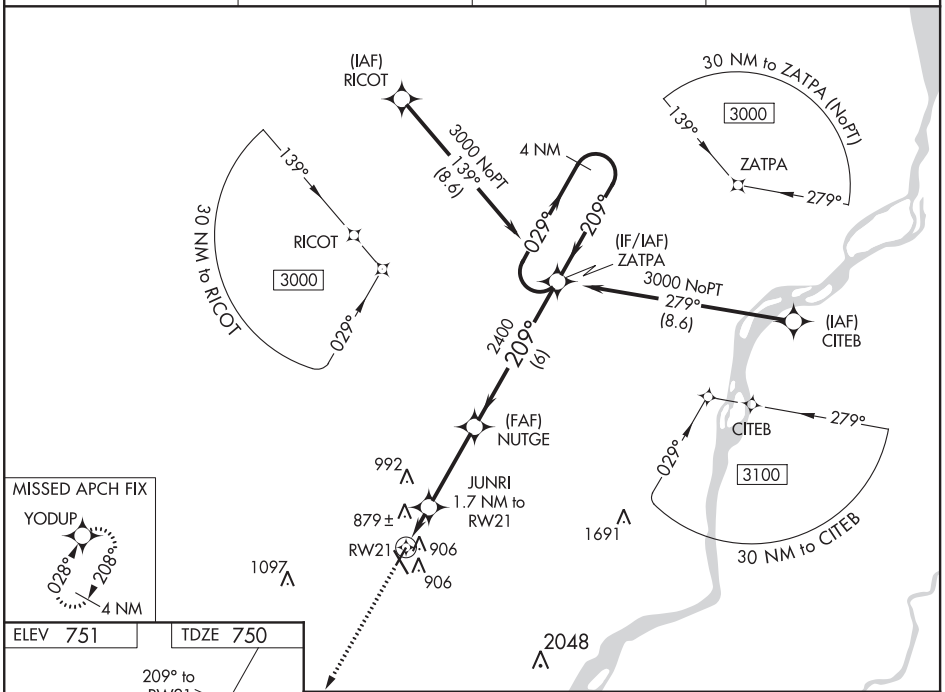
RNAV (GPS) RWY 21
DAVENPORT MUNI (DVN)

RNP APCH.

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F).
Rwy 21 helicopter visibility reduction below 1 SM NA.

MISSED APPROACH: Climb to 3000 direct YODUP and hold.

ASOS	QUAD CITY APP CON ★	CLNC DEL	UNICOM
120.175	125.95 257.8	118.35	123.0 (CTAF) L



CATEGORY	A	B	C	D
LPV DA	1046-1 296 (300-1)			
LNAV/VNAV DA	1184-1½ 434 (500-1½)			
LNAV MDA	1180-1 430 (500-1)		1180-1¼ 430 (500-1¼)	
C CIRCLING	1300-1 549 (600-1)		1300-1½ 549 (600-1½)	1320-2 569 (600-2)

MIRL Rwy 3-21 L
HIRL Rwy 15-33 L
REIL Rwys 3, 21, and 33 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 56324 W33A	APP CRS 329°	Rwy ldg 5511 TDZE 748 Apt Elev 751

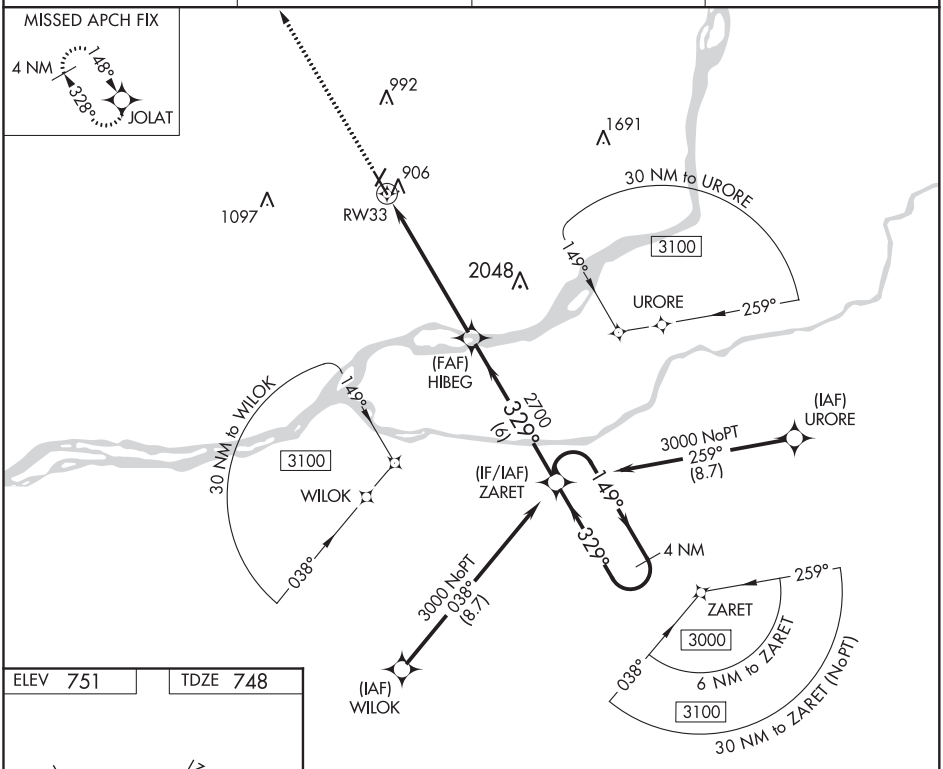
RNAV (GPS) RWY 33
DAVENPORT MUNI (DVN)

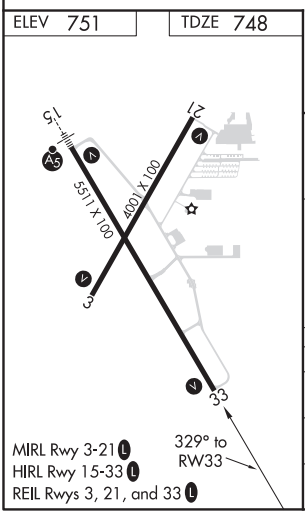
RNP APCH.

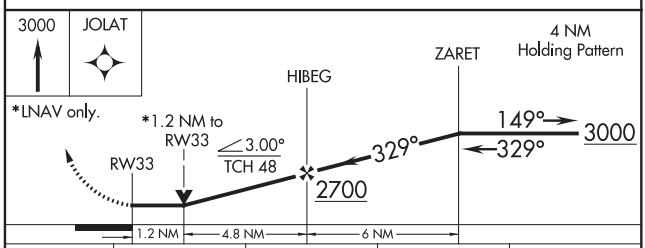
T A Rwy 33 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 3000 direct JOLAT and hold.

ASOS	QUAD CITY APP CON ★	CLNC DEL	UNICOM
120.175	125.95 257.8	118.35	123.0 (CTAF) L







CATEGORY	A	B	C	D
LP MDA	1160-1 412 (500-1)		1160-1⅛ 412 (500-1⅛)	
LNAV MDA	1160-1 412 (500-1)		1160-1⅛ 412 (500-1⅛)	
C CIRCLING	1300-1 549 (600-1)		1300-1½ 549 (600-1½)	1320-2 569 (600-2)

DAVENPORT, IOWA
Amdt 1E 08OCT20
41°37′N-90°35′W
DAVENPORT MUNI (DVN)
RNAV (GPS) RWY 33
143

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

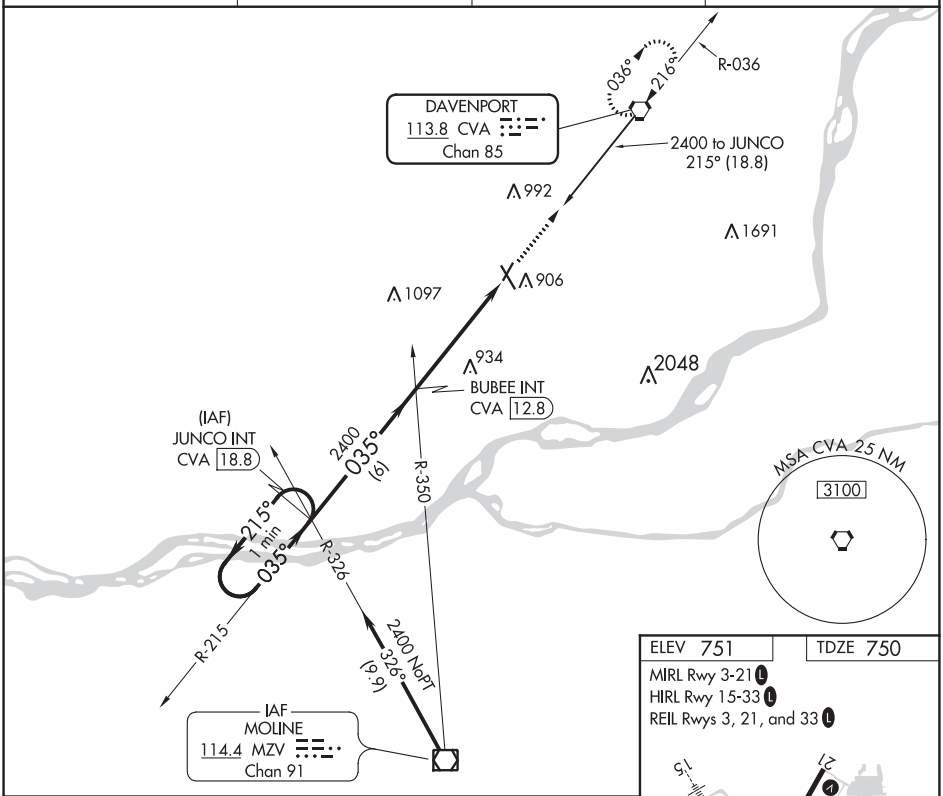
VORTAC CVA	APP CRS	Rwy ldg	4001
113.8	035°	TDZE	750
Chan 85		Apt Elev	751

VOR RWY 3
DAVENPORT MUNI (DVN)

T A Rwy 3 helicopter visibility reduction below ¾ SM NA.

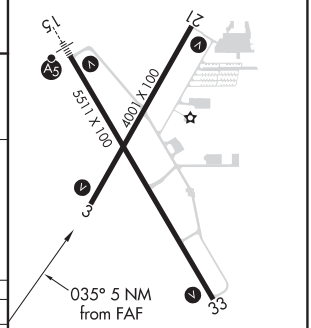
MISSED APPROACH: Climb to 2400 direct CVA VORTAC and hold.

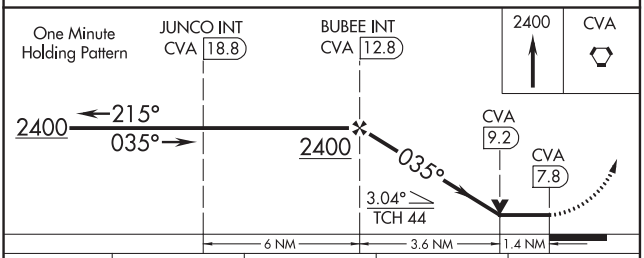
ASOS	QUAD CITY APP CON ★	CLNC DEL	UNICOM
120.175	125.95 257.8	118.35	123.0 (CTAF) L



ELEV 751	TDZE 750

MIRL Rwy 3-21 L
HIRL Rwy 15-33 L
REIL Rwys 3, 21, and 33 L





CATEGORY	A	B	C	D
S-3	1240-1 490 (500-1)		1240-1⅜ 490 (500-1⅜)	1240-1½ 490 (500-1½)
C CIRCLING	1300-1 549 (600-1)		1300-1½ 549 (600-1½)	1320-2 569 (600-2)

FAF to MAP 5 NM					
Knots	60	90	120	150	180
Min:Sec	5:00	3:20	2:30	2:00	1:40

NC-3, 25 FEB 2021 to 22 APR 2021

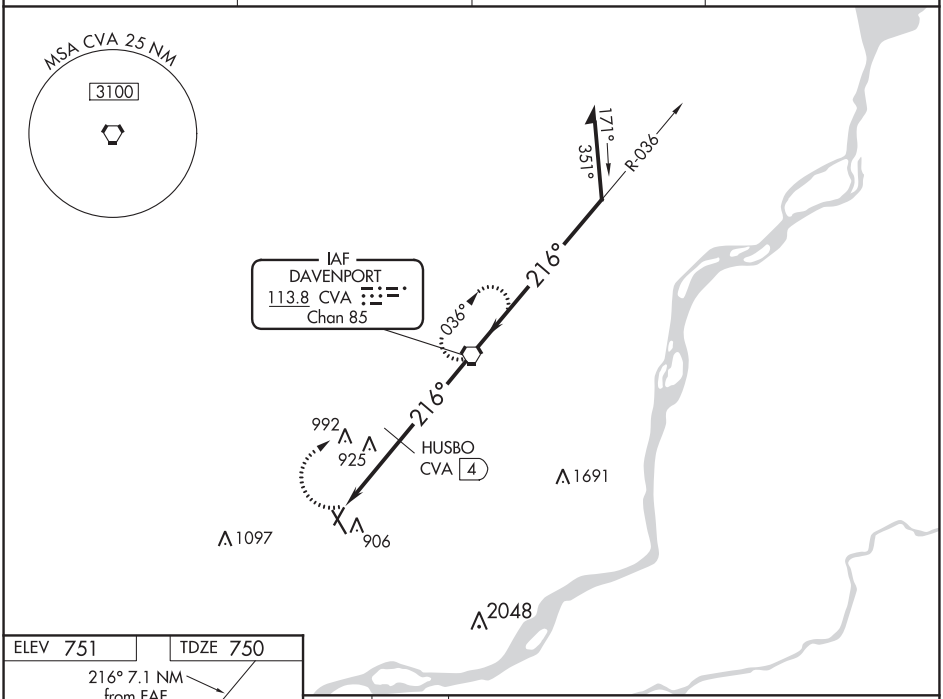
VORTAC CVA	APP CRS	Rwy ldg	4001
113.8	216°	TDZE	750
Chan 85		Apt Elev	751

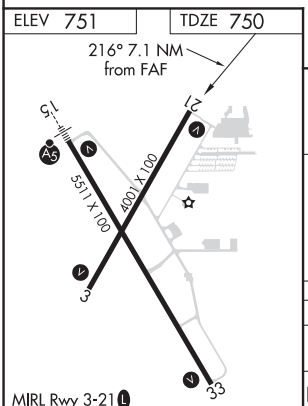
VOR RWY 21
DAVENPORT MUNI (DVN)

Rwy 21 helicopter visibility reduction below 1 SM NA.

MISSED APPROACH: Climbing right turn to 2400 direct CVA VORTAC and hold.

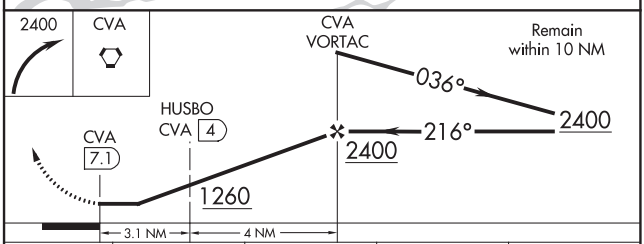
ASOS	QUAD CITY APP CON ★	CLNC DEL	UNICOM
120.175	125.95 257.8	118.35	123.0 (CTAF) L





MIRL Rwy 3-21 L
HIRL Rwy 15-33 L
REIL Rwys 3, 21, and 33 L

FAF to MAP 7.1 NM					
Knots	60	90	120	150	180
Min:Sec	7:06	4:44	3:33	2:50	2:22



CATEGORY	A	B	C	D
S-21	1260-1 510 (600-1)		1260-1⅜	510 (600-1⅜)
C CIRCLING	1300-1 549 (600-1)		1300-1½ 549 (600-1½)	1320-2 569 (600-2)
HUSBO FIX MINIMUMS (DME REQUIRED)				
S-21	1200-1 450 (500-1)		1200-1⅜	450 (500-1⅜)
C CIRCLING	1300-1 549 (600-1)		1300-1½ 549 (600-1½)	1320-2 569 (600-2)

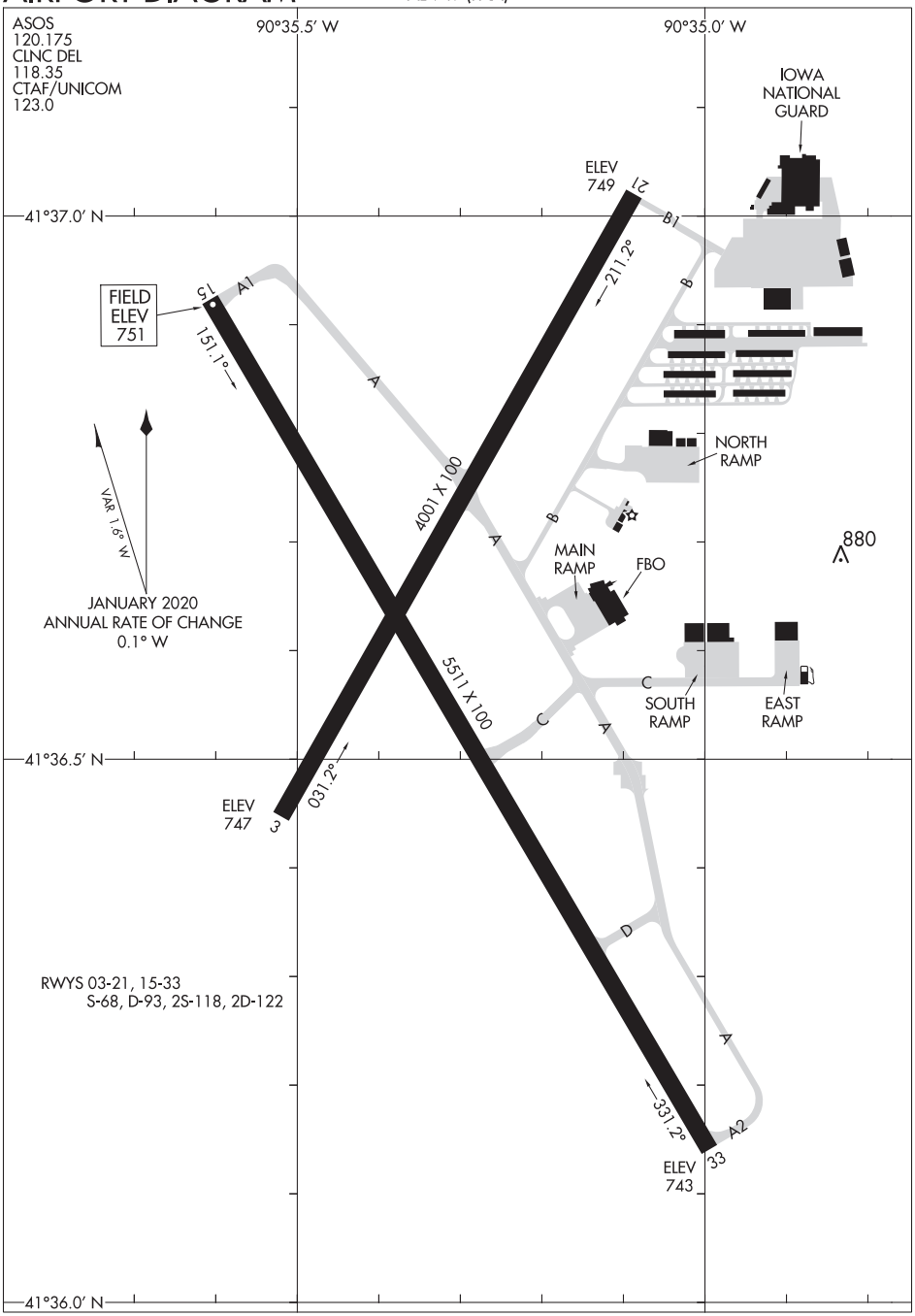
NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

20198

AIRPORT DIAGRAM

AL-949 (FAA)

DAVENPORT MUNI (DVN)
DAVENPORT, IOWA



NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

AIRPORT DIAGRAM
20198
DAVENPORT, IOWA
DAVENPORT MUNI (DVN)

WAAS CH 78021 W11A	APP CRS 114°	Rwy ldg 4001 TDZE 1155 Apt Elev 1158

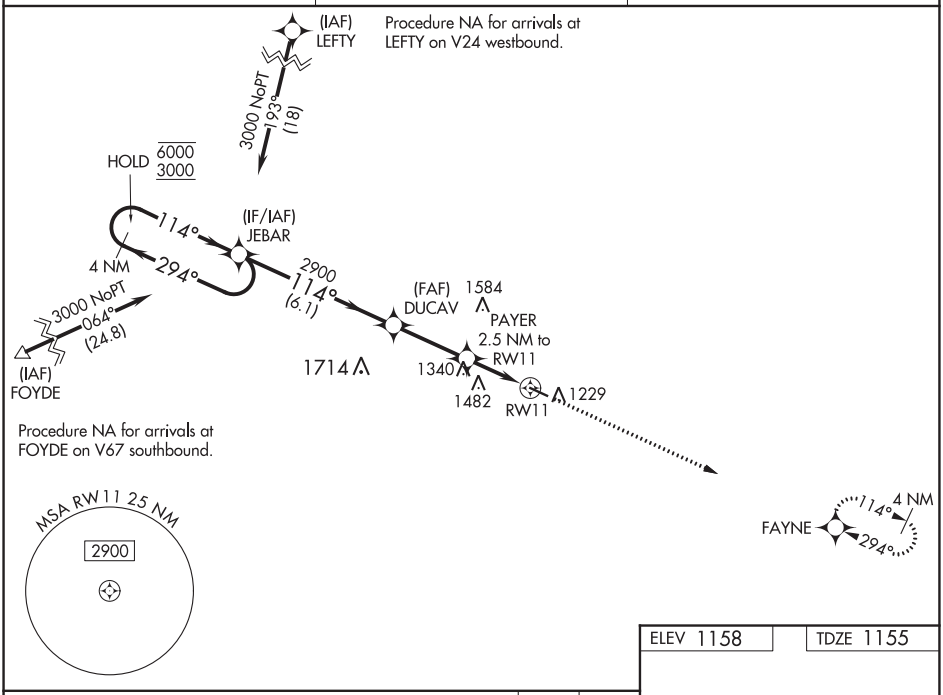
RNAV (GPS) RWY 11
DECORAH MUNI (DEH)

RNP APCH.

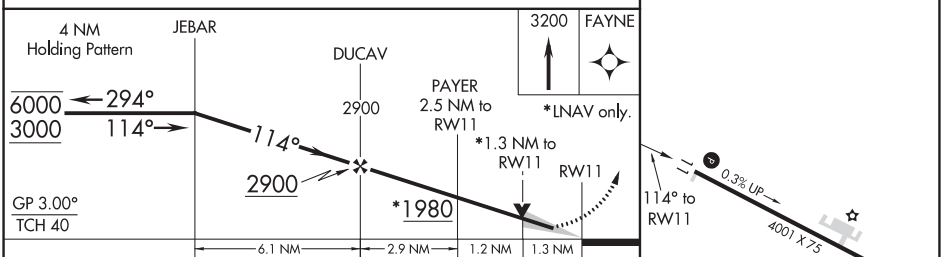
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 54°C.

MISSED APPROACH: Climb to 3200 direct FAYNE and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
120.925	118.85	122.8 (CTAF) L



ELEV 1158	TDZE 1155



CATEGORY	A	B	C	D
LPV DA	1405-1 250 (300-1)		NA	
LNAV/VNAV DA	1405-1 250 (300-1)		NA	
LNAV MDA	1600-1 445 (500-1)		NA	
C CIRCLING	1600-1 442 (500-1)	1620-1 462 (500-1)	NA	

REIL Rwys 11 and 29 L
MIRL Rwy 11-29 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

DECORAH, IOWA | AL-5678 (FAA) | 20086

APP CRS	Rwy ldg	4001
294°	TDZE	1158
	Apt Elev	1158

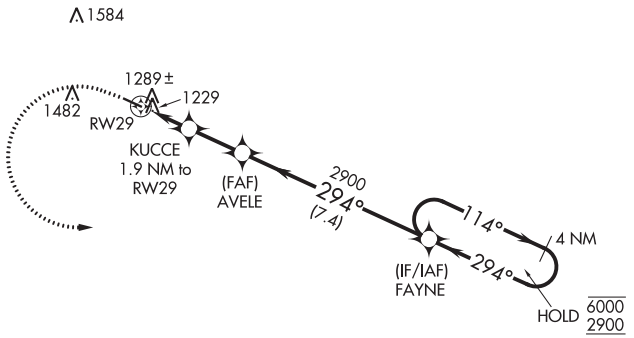
RNAV (GPS) RWY 29
DECORAH MUNI (DEH)

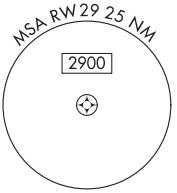
RNP APCH.

Rwy 29 helicopter visibility reduction below 1 SM NA.

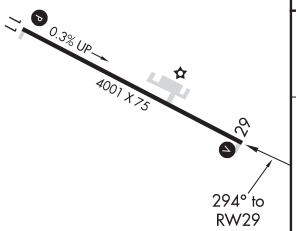
MISSED APPROACH: Climb to 1800 then climbing left turn to 2900 direct FAYNE and hold.

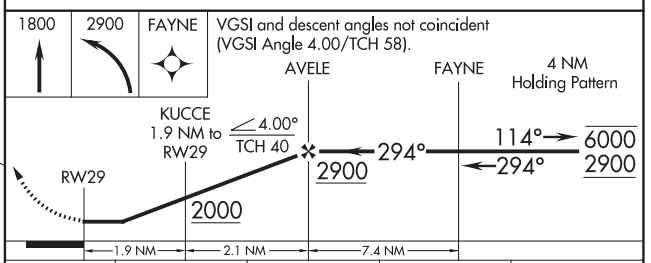
AWOS-3	MINNEAPOLIS CENTER	UNICOM
120.925	118.85	122.8 (CTAF) L





ELEV 1158 | TDZE 1158





CATEGORY	A	B	C	D
LNAV MDA	1540-1 382 (400-1)		NA	
C CIRCLING	1600-1 442 (500-1)	1620-1 462 (500-1)	NA	

REIL Rwys 11 and 29 L
MIRL Rwy 11-29 L

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 90409 W12A	APP CRS 120°	Rwy ldg 5000 TDZE 1274 Apt Elev 1274

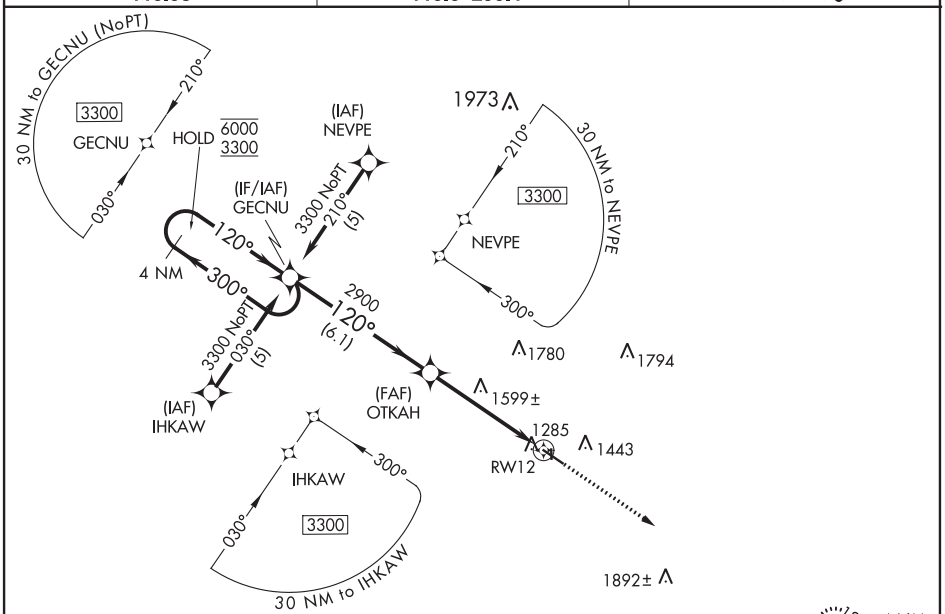
RNAV (GPS) RWY 12
DENISON MUNI (DNS)

RNP APCH.

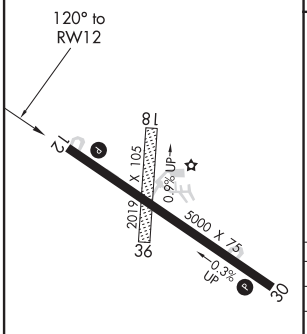
Circling NA to Rwys 18 and 36. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 54°C. Baro-VNAV and VDP NA when using Carroll altimeter setting. When local altimeter setting not received, use Carroll altimeter setting; increase LPV DA 1596 feet, LNAV/VNAV DA to 1626 feet; increase all MDAs 80 feet and visibility LNAV Cat C ⅛ SM and Circling Cat C ¼ SM.

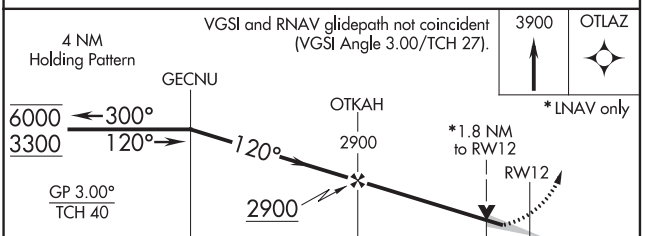
MISSED APPROACH: Climb to 3900 direct OTLAZ and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
119.95	119.6 290.4	122.8 (CTAF) L



ELEV 1274	TDZE 1274





CATEGORY	A	B	C	D
LPV DA	1524-1 250 (300-1)			NA
LNAV/VNAV DA	1554-1 280 (300-1)			NA
LNAV MDA	1860-1 586 (600-1)		1860-1¾ 586 (600-1¾)	NA
CIRCLING	1860-1 586 (600-1)	1880-1 606 (700-1)	1880-1¾ 606 (700-1¾)	NA

MIRL Rwy 12-30 L
REIL Rwys 12 and 30 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

DENISON, IOWA | AL-5458 (FAA) | 20310

WAAS CH 45908 W30A	APP CRS 300°	Rwy ldg 5000 TDZE 1266 Apt Elev 1274

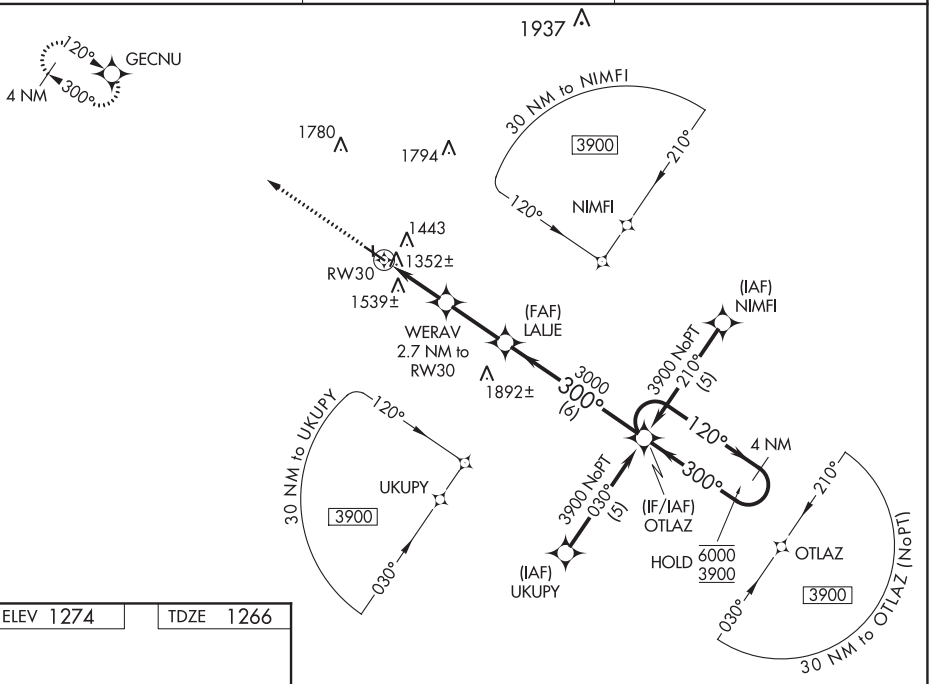
RNAV (GPS) RWY 30
DENISON MUNI (DNS)

RNP APCH.

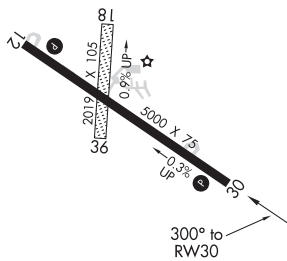
Circling NA to Rwys 18 and 36. Rwy 30 helicopter visibility reduction below ¾ SM NA. Baro-VNAV NA when using Carroll altimeter setting. When local altimeter setting not received, use Carroll altimeter setting; increase LPV DA to 1623, LNAV/VNAV DA to 1925 feet, increase all MDAs 80 feet and visibility Circling Cat C ¼ SM. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 54°C.

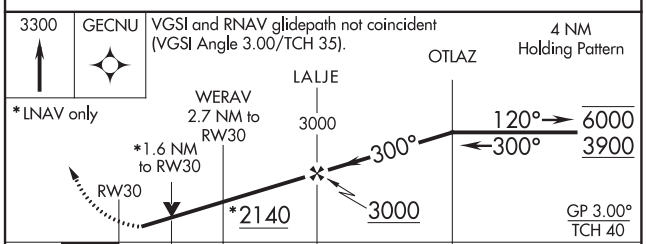
MISSED APPROACH: Climb to 3300 direct GECNU and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
119.95	119.6 290.4	122.8 (CTAF) L



ELEV 1274 | TDZE 1266





CATEGORY	A	B	C	D
LPV DA	1551-1 285 (300-1)			NA
LNAV/VNAV DA	1853-2 587 (600-2)			NA
LNAV MDA	1800-1 534 (600-1)		1800-1½ 534 (600-1½)	NA
CIRCLING	1840-1 566 (600-1)	1880-1 606 (700-1)	1880-1¾ 606 (700-1¾)	NA

MIRL Rwy 12-30 L
REIL Rwys 12 and 30 L

NC-3, 25 FEB 2021 to 22 APR 2021

ILS or LOC RWY 5
DES MOINES INTL (DSM)

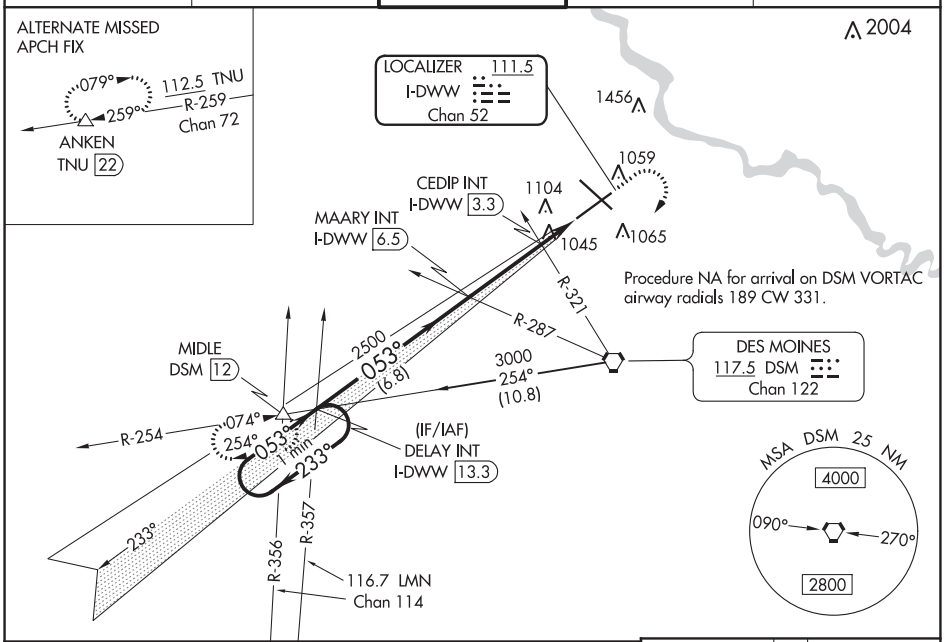
LOC/DME I-DWW	APP CRS	Rwy ldg	9004
111.5	053°	TDZE	931
Chan 52		Apt Elev	958

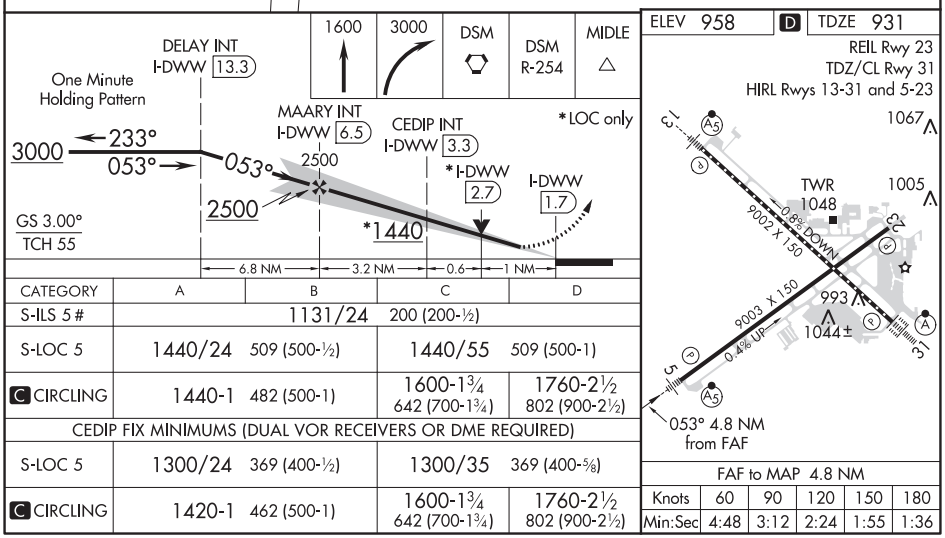
T A For inop ALS, increase S-LOC 5 Cats C and D visibility to 1⅜ SM and CEDIP fix minimums Cats C and D visibility to RVR 5500. Autopilot coupled approach NA below 1256 MSL. #RVR 1800 authorized with use of FD or AP or HUD to DA.

MALSR A5

MISSED APPROACH: Climb to 1600 then climbing right turn to 3000 direct DSM VORTAC then on DSM VORTAC R-254 to MIDLE INT/DSM 12 DME and hold.

ATIS	DES MOINES APP CON	DES MOINES TOWER	GND CON	CLNC DEL
119.55	123.9 307.15	118.3 257.8	121.9 348.6	134.15 317.55





CATEGORY	A	B	C	D
S-ILS 5 #	1131/24 200 (200-½)			
S-LOC 5	1440/24 509 (500-½)		1440/55 509 (500-1)	
C CIRCLING	1440-1 482 (500-1)		1600-1¾ 642 (700-1¾)	1760-2½ 802 (900-2½)
CEDIP FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED)				
S-LOC 5	1300/24 369 (400-½)		1300/35 369 (400-⅝)	
C CIRCLING	1420-1 462 (500-1)		1600-1¾ 642 (700-1¾)	1760-2½ 802 (900-2½)

FAF to MAP 4.8 NM					
Knots	60	90	120	150	180
Min:Sec	4:48	3:12	2:24	1:55	1:36

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

LOC/DME I-VGU	APP CRS	Rwy ldg	9001
111.9	131°	TDZE	922
Chan 56		Apt Elev	958

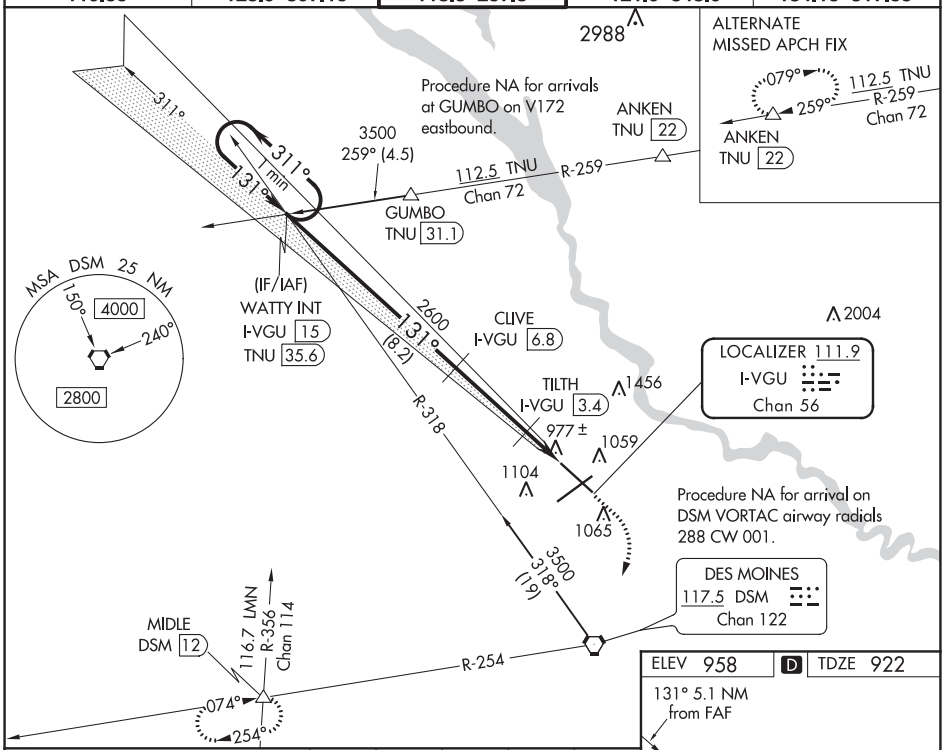
ILS or LOC RWY 13
DES MOINES INTL (DSM)

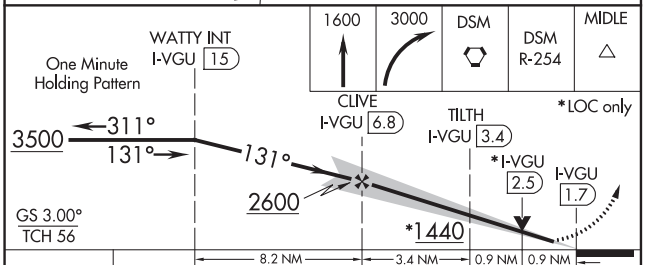
T A DME required. For inop ALS, increase S-LOC 13 Cats C/D visibility to RVR 4500.
#RVR 1800 authorized with use of FD or AP or HUD to DA.

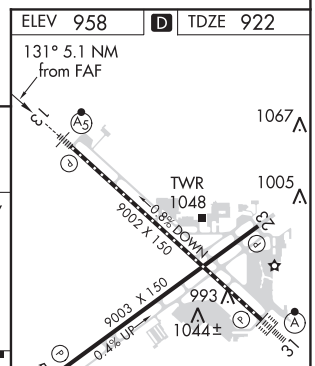
MALSR A5

MISSED APPROACH: Climb to 1600 then climbing right turn to 3000 direct DSM VORTAC then on DSM VORTAC R-254 to MIDLE INT/DSM 12 DME and hold.

ATIS	DES MOINES APP CON	DES MOINES TOWER	GND CON	CLNC DEL
119.55	123.9 307.15	118.3 257.8	121.9 348.6	134.15 317.55







CATEGORY	A	B	C	D
S-ILS 13#	1122/24 200 (200-½)			
S-LOC 13	1240/24 318 (300-½)			
C CIRCLING	1420-1 462 (500-1)		1600-1¾ 642 (700-1¾)	1760-2½ 802 (900-2½)

FAF to MAP 5.1 NM					
Knots	60	90	120	150	180
Min:Sec	5:06	3:24	2:33	2:02	1:42

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

ILS or LOC RWY 31
DES MOINES INTL (DSM)

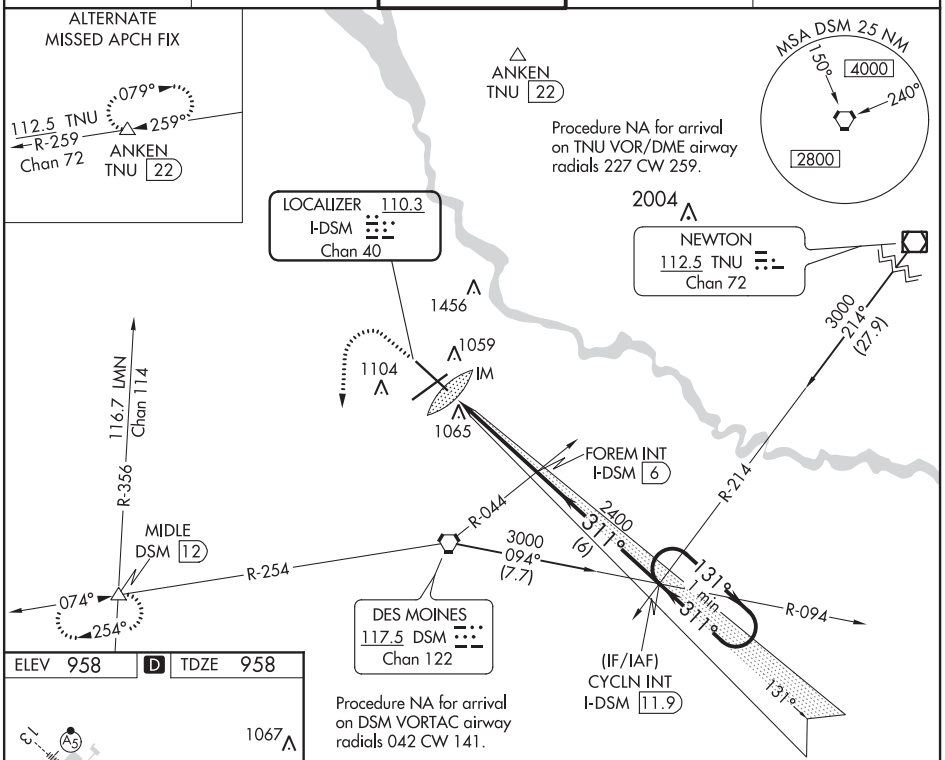
LOC/DME I-DSM	APP CRS	Rwy ldg	9001
110.3	311°	TDZE	958
Chan 40		Apt Elev	958

For inop ALS, increase S-ILS 31 Cat E visibility to RVR 4000 and S-LOC 31 Cat E visibility to RVR 6000.

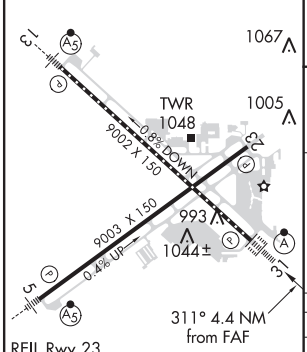
ALSF-2

MISSED APPROACH: Climb to 1600 then climbing left turn to 3000 on heading 180° and on DSM VORTAC R-254 to MIDLE INT/12 DME and hold.

ATIS	DES MOINES APP CON	DES MOINES TOWER	GND CON	CLNC DEL
119.55	123.9 307.15	118.3 257.8	121.9 348.6	134.15 317.55

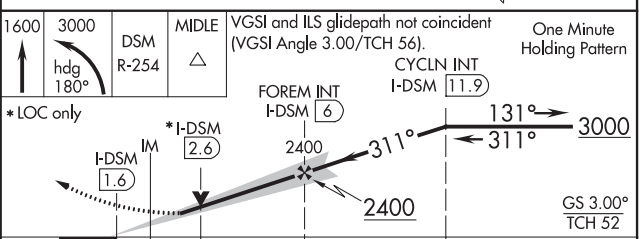


ELEV 958	D	TDZE 958



REIL Rwy 23
TDZ/CL Rwy 31
HIRL Rwys 13-31 and 5-23

FAF to MAP 4.4 NM					
Knots	60	90	120	150	180
Min:Sec	4:24	2:56	2:12	1:46	1:28



CATEGORY	A	B	C	D	E
S-ILS 31	1158/18 200 (200-½)				
S-LOC 31	1340/24 382 (400-½)		1340/35 382 (400-⅝)		
C CIRCLING	1420-1 462 (500-1)		1600-1½ 642 (700-1½)	1760-2½ 802 (900-2½)	1760-2¾ 802 (900-2¾)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

DES MOINES, IOWA

AL-117 (FAA)

20254

ILS RWY 31 (SA CAT I)
DES MOINES INTL (DSM)

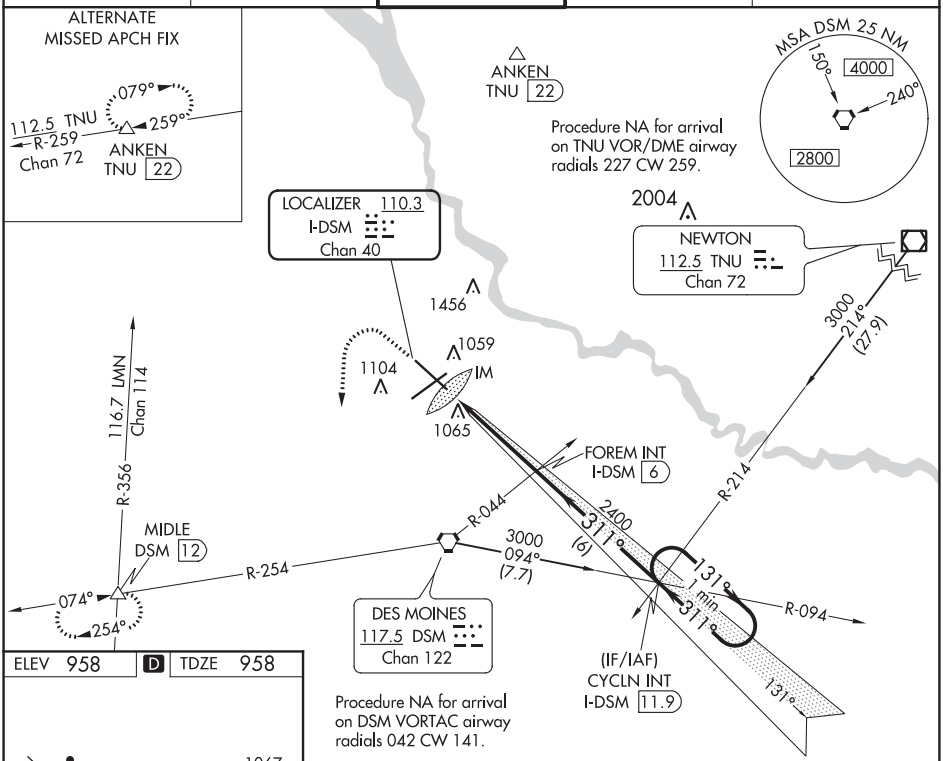
LOC/DME I-DSM	APP CRS	Rwy ldg	9001
110.3	311°	TDZE	958
Chan 40		Apt Elev	958

Requires specific OPSPEC, MSPEC, or LOA approval and use of HUD to DH.

ALSF-2

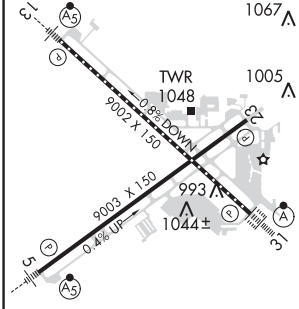
MISSED APPROACH: Climb to 1600 then climbing left turn to 3000 on heading 180° and on DSM VORTAC R-254 to MIDLE INT/12 DME and hold.

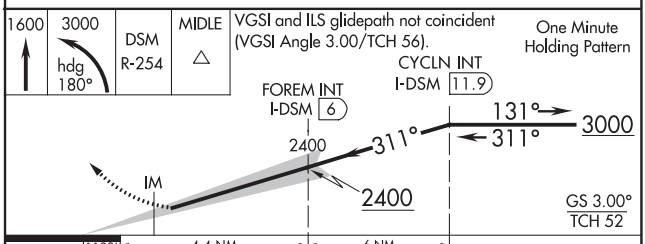
ATIS	DES MOINES APP CON	DES MOINES TOWER	GND CON	CLNC DEL
119.55	123.9 307.15	118.3 257.8	121.9 348.6	134.15 317.55



NC-3, 25 FEB 2021 to 22 APR 2021

ELEV 958	D	TDZE 958





CATEGORY	A	B	C	D
S-ILS 31	RA 159/14 150 DA 1108			

REIL Rwy 23
TDZ/CL Rwy 31
HIRL Rwys 13-31 and 5-23

SA CATEGORY I ILS-SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

NC-3, 25 FEB 2021 to 22 APR 2021

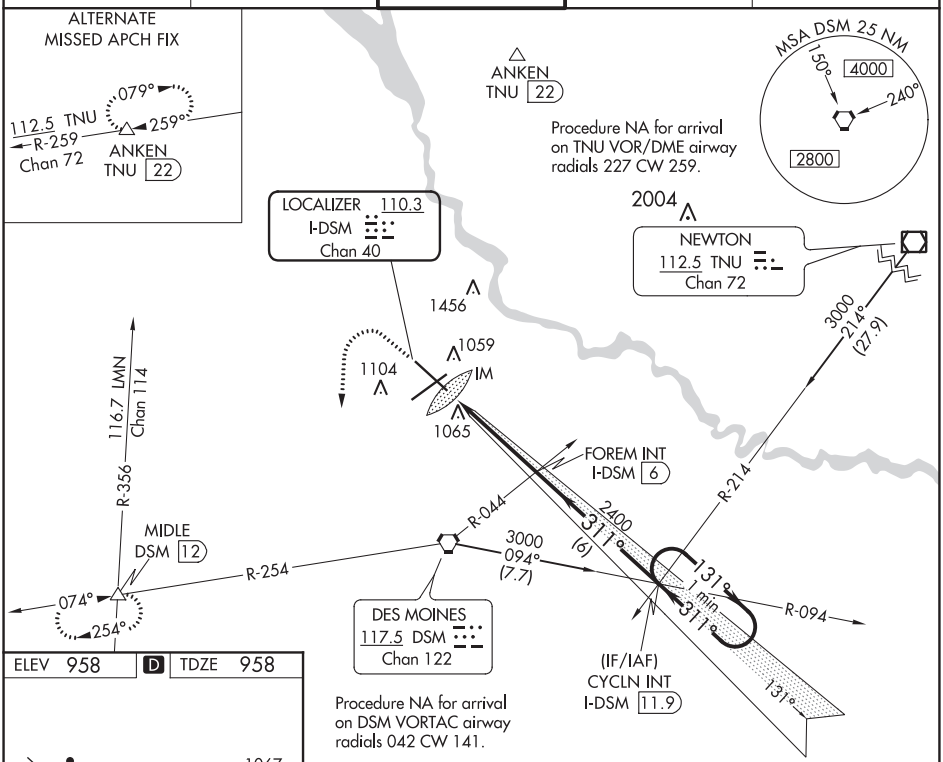
ILS RWY 31 (CAT II & III)
DES MOINES INTL (DSM)

LOC/DME I-DSM	APP CRS	Rwy ldg	9001
110.3	311°	TDZE	958
Chan 40		Apt Elev	958

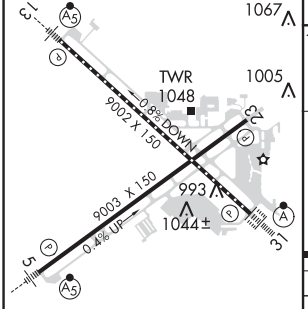
ALSF-2

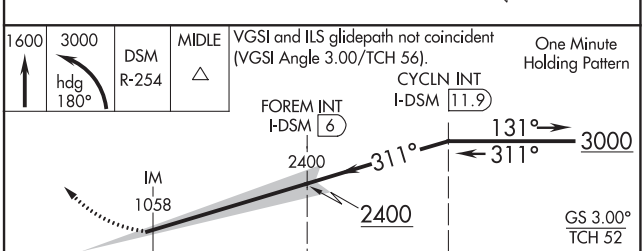
MISSED APPROACH: Climb to 1600 then climbing left turn to 3000 on heading 180° and on DSM VORTAC R-254 to MIDLE INT/12 DME and hold.

ATIS	DES MOINES APP CON	DES MOINES TOWER	GND CON	CLNC DEL
119.55	123.9 307.15	118.3 257.8	121.9 348.6	134.15 317.55



ELEV 958	D	TDZE 958





CATEGORY	A	B	C	D
S-ILS 31	CAT II RA 101/12		100 DA 1058	
S-ILS 31	CAT III RVR 06			

CATEGORY II & III ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

REIL Rwy 23
TDZ/CL Rwy 31
HIRL Rwys 13-31 and 5-23

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

DES MOINES, IOWA | AL-117 (FAA) | 20254

RNAV (GPS) RWY 5
DES MOINES INTL (DSM)

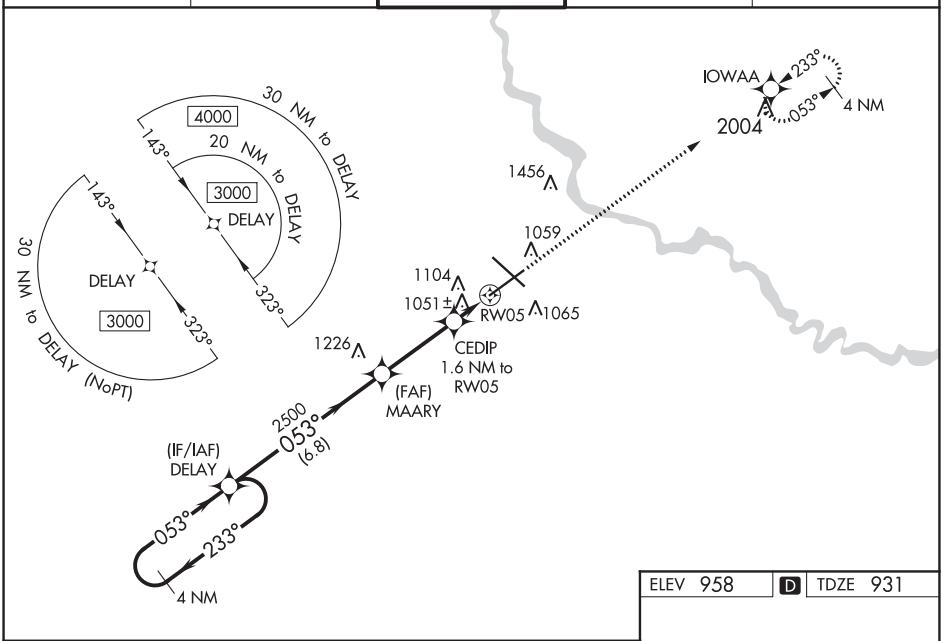
WAAS CH 69202 W05A	APP CRS 053°	Rwy ldg 9004 TDZE 931 Apt Elev 958

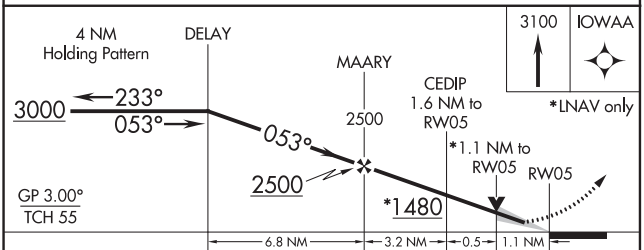
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -19°C (-2°F) or above 54°C (130°F). DME/DME RNP-0.3 NA.
For inop MALSR, increase LPV all Cats visibility to RVR 4000 feet, LNAV/VNAV all Cats visibility to 1⅜ mile, LNAV Cats A and B visibilities to RVR 5500 feet, and LNAV Cats C and D visibilities to RVR 6000 feet.
RVR 1800 authorized with use of FD or AP or HUD to DA.

MALSR

MISSED APPROACH: Climb to 3100 direct IOWAA and hold.

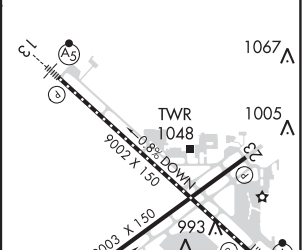
ATIS	DES MOINES APP CON	DES MOINES TOWER	GND CON	CLNC DEL
119.55	123.9 307.15	118.3 257.8	121.9 348.6	134.15 317.55





CATEGORY	A	B	C	D
LPV DA #	1131/24 200 (200-½)			
LNAV/VNAV DA	1352/40 421 (400-¾)			
LNAV MDA	1320/24 389 (400-½)		1320/35 389 (400-⅝)	
C CIRCLING	1420-1 462 (500-1)		1600-1¾ 642 (700-1¾)	1760-2½ 802 (900-2½)

ELEV 958 | D | TDZE 931



REIL Rwy 23
TDZ/CL Rwy 31
HIRL Rwys 13-31 and 5-23

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 72602 W13A	APP CRS 131°	Rwy ldg 9001 TDZE 922 Apt Elev 958

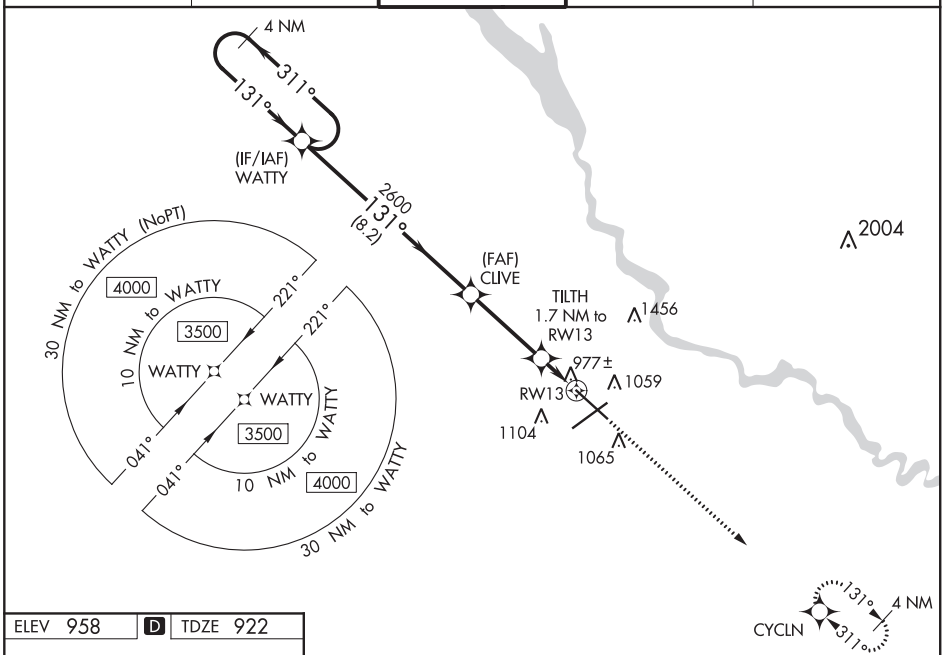
RNAV (GPS) RWY 13
DES MOINES INTL (DSM)

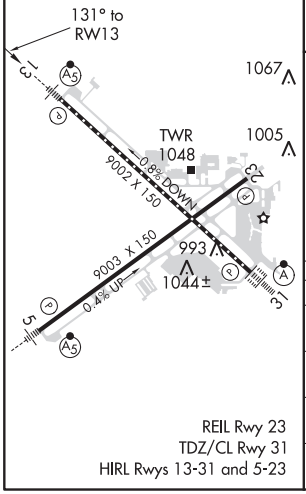
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -19°C (-2°F) or above 54°C (130°F). DME/DME RNP-0.3 NA.
For inop ALS, increase LNAV/VNAV all Cats visibility to RVR 4000 and LNAV Cats C and D visibility to RVR 4500.
RVR 1800 authorized with use of FD or AP or HUD to DA.

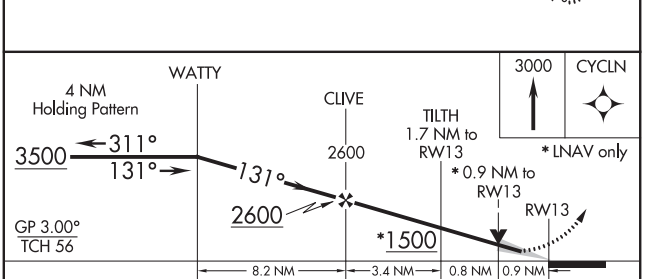
MALSR

MISSED APPROACH: Climb to 3000 direct CYCLN and hold.

ATIS	DES MOINES APP CON	DES MOINES TOWER	GND CON	CLNC DEL
119.55	123.9 307.15	118.3 257.8	121.9 348.6	134.15 317.55







CATEGORY	A	B	C	D
LPV DA#	1122/24 200 (200-½)			
LNAV/VNAV DA	1172/24 250 (300-½)			
LNAV MDA	1240/24 318 (300-½)			
C CIRCLING	1420-1 462 (500-1)		1600-1¾ 642 (700-1¾)	1760-2½ 802 (900-2½)

REIL Rwy 23
TDZ/CL Rwy 31
HIRL Rwys 13-31 and 5-23

NC-3, 25 FEB 2021 to 22 APR 2021

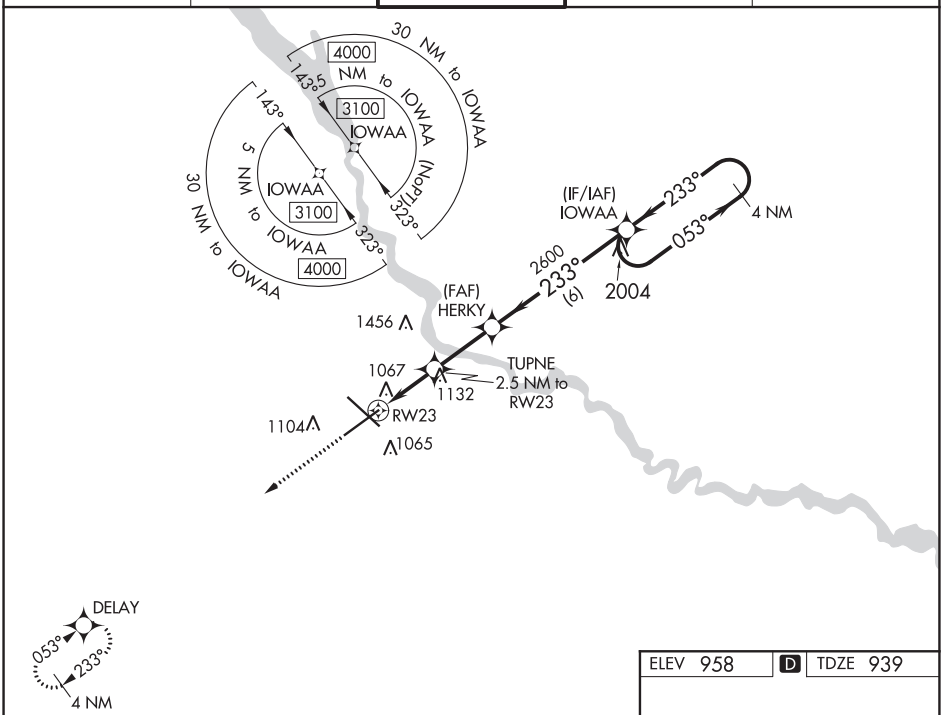
WAAS CH 97541 W23A	APP CRS 233°	Rwy ldg 9004 TDZE 939 Apt Elev 958

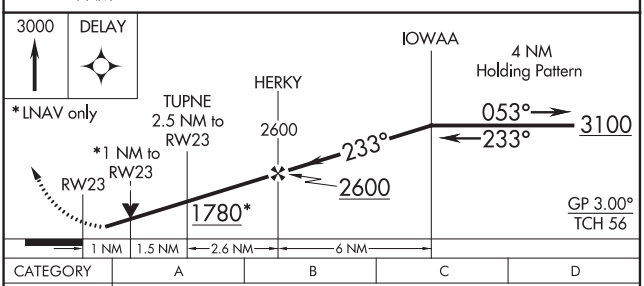
RNAV (GPS) RWY 23
DES MOINES INTL (DSM)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -19°C (-2°F) or above 54°C (130°F). Rwy 23 helicopter visibility reduction below ¾ SM NA. DME/DME RNP-0.3 NA.

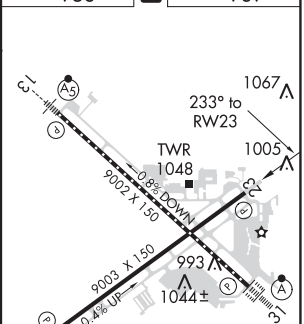
MISSED APPROACH: Climb to 3000 direct DELAY and hold.

ATIS	DES MOINES APP CON	DES MOINES TOWER	GND CON	CLNC DEL
119.55	123.9 307.15	118.3 257.8	121.9 348.6	134.15 317.55





CATEGORY	A	B	C	D
LPV DA	1262-1 323 (400-1)			
LNAV/VNAV DA	1242-⅞ 303 (300-⅞)			
LNAV MDA	1320-1 381 (400-1)		1320-1⅛ 381 (400-1⅛)	
C CIRCLING	1420-1 462 (500-1)		1600-1¾ 642 (700-1¾)	1760-2½ 802 (900-2½)



NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 78002 W31A	APP CRS 311°	Rwy ldg 9001 TDZE 958 Apt Elev 958

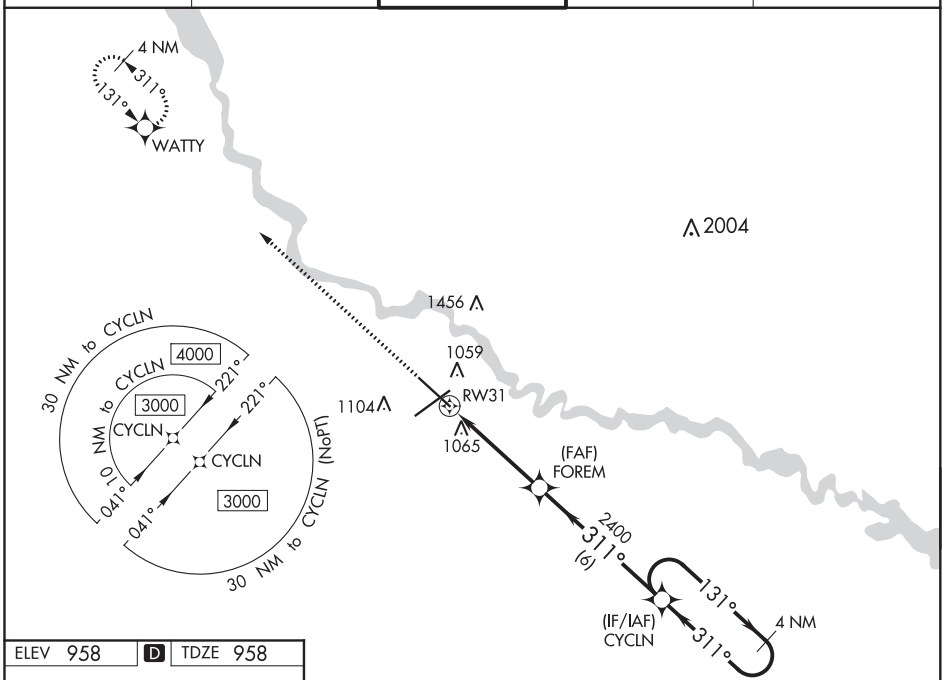
RNAV (GPS) RWY 31
DES MOINES INTL (DSM)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -20°C (-4°F) or above 54°C (130°F). DME/DME RNP-0.3 NA.
For inop ALS, increase LNAV Cats C/D visibility to RVR 5500.

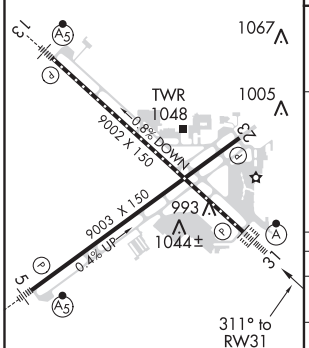
ALSF-2

MISSED APPROACH: Climb to 3500 direct WATTY and hold.

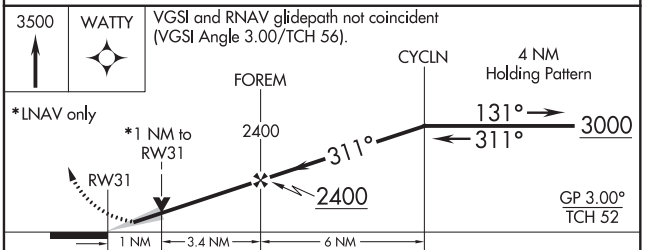
ATIS	DES MOINES APP CON	DES MOINES TOWER	GND CON	CLNC DEL
119.55	123.9 307.15	118.3 257.8	121.9 348.6	134.15 317.55



ELEV 958 | D | TDZE 958



REIL Rwy 23
TDZ/CL Rwy 31
HIRL Rwys 13-31 and 5-23



CATEGORY	A	B	C	D
LPV DA	1158/18 200 (200-½)			
LNAV/VNAV DA	1354/35 396 (400-⅝)			
LNAV MDA	1320/24 362 (400-½)		1320/35 362 (400-⅝)	
C CIRCLING	1420-1 462 (500-1)		1600-1¾ 642 (700-1¾)	1760-2½ 802 (900-2½)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

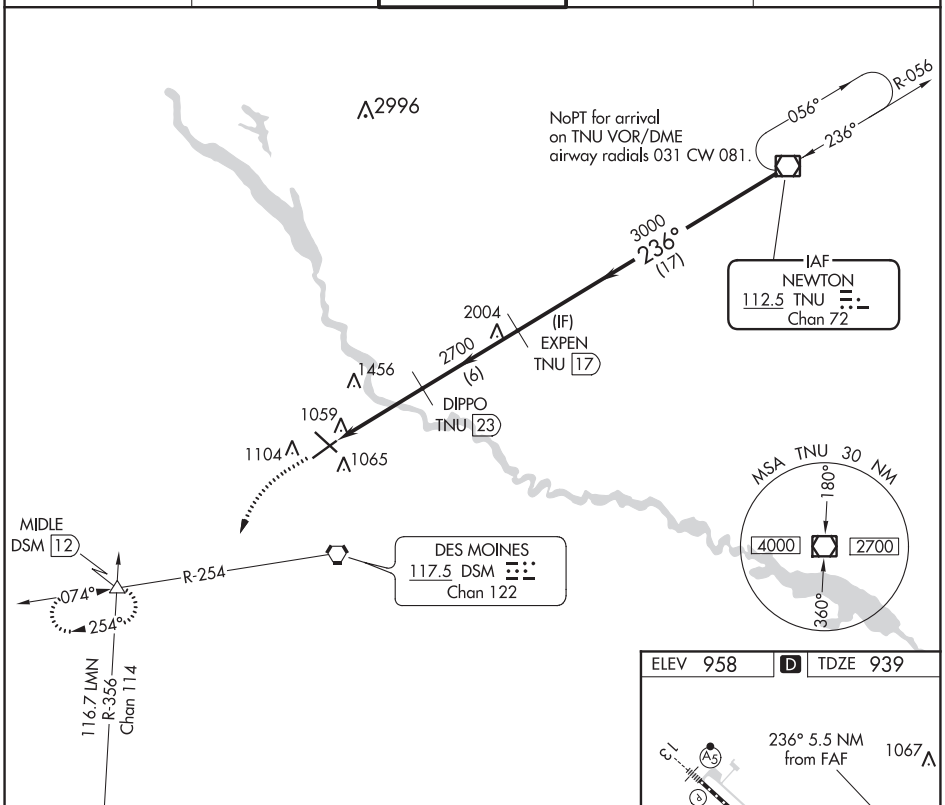
VOR RWY 23
DES MOINES INTL (DSM)

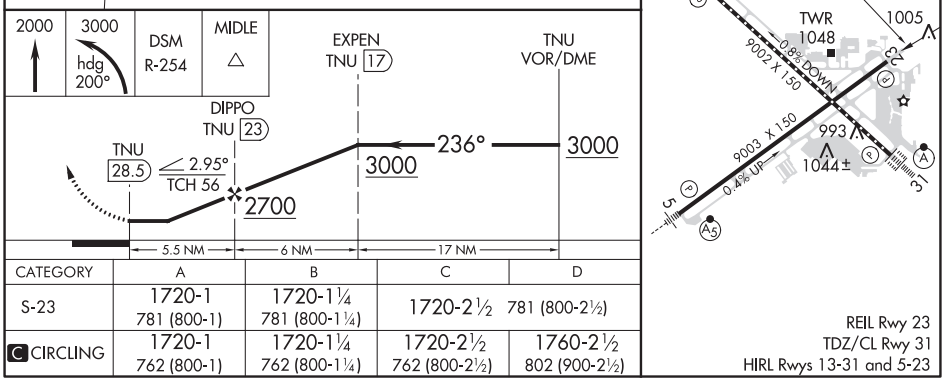
VOR/DME TNU	APP CRS	Rwy ldg	9004
112.5	236°	TDZE	939
Chan 72		Apt Elev	958

DME required.
Circling Rwy 5 NA at night.
Rwy 23 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 2000 then climbing left turn to 3000 on heading 200° and on DSM VORTAC R-254 direct MIDLE INT/DSM 12 DME and hold.

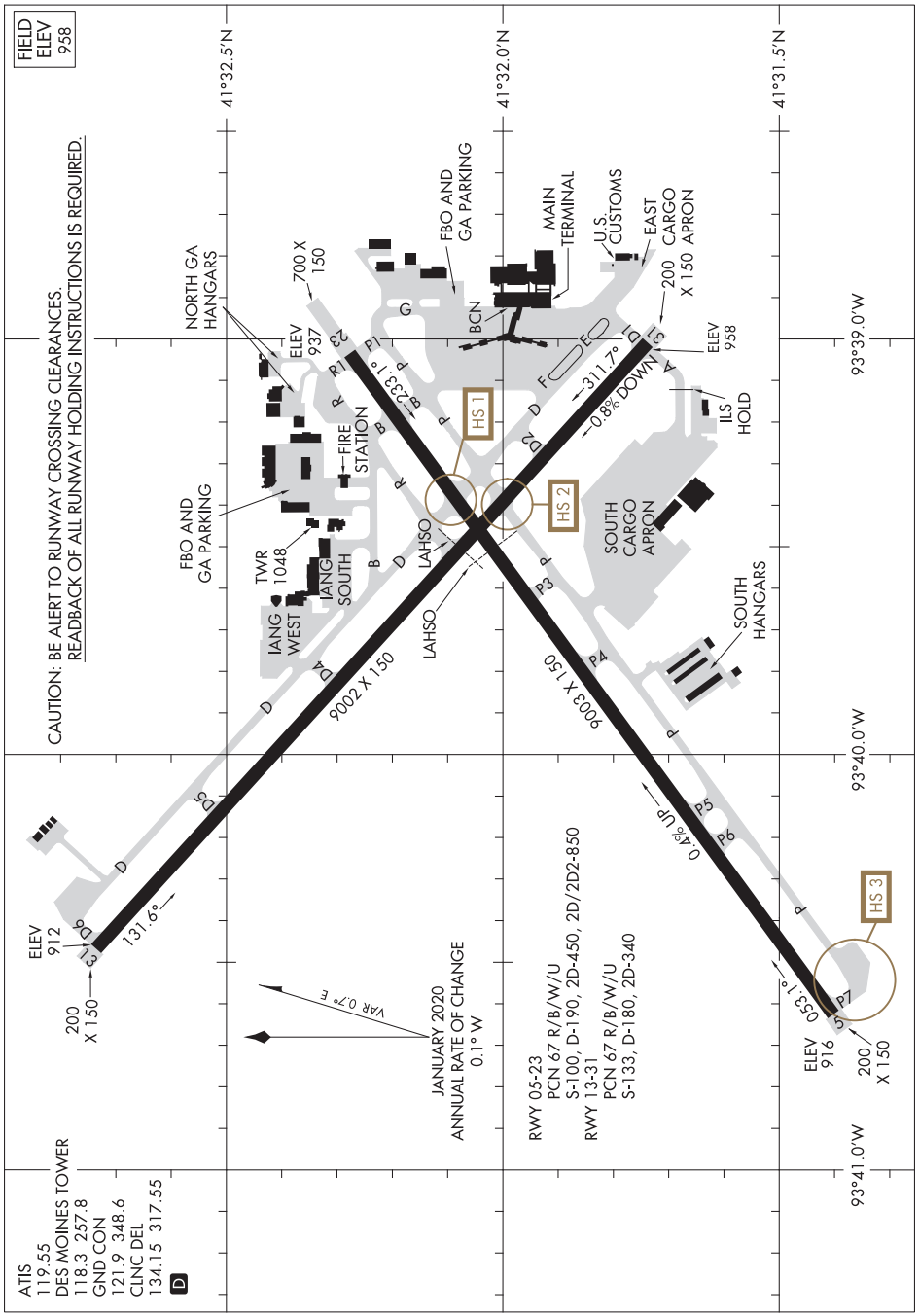
ATIS	DES MOINES APP CON	DES MOINES TOWER	GND CON	CLNC DEL
119.55	123.9 307.15	118.3 257.8	121.9 348.6	134.15 317.55





CATEGORY	A	B	C	D
S-23	1720-1 781 (800-1)	1720-1¼ 781 (800-1¼)	1720-2½ 781 (800-2½)	
C CIRCLING	1720-1 762 (800-1)	1720-1¼ 762 (800-1¼)	1720-2½ 762 (800-2½)	1760-2½ 802 (900-2½)

NC-3, 25 FEB 2021 to 22 APR 2021



NC-3, 25 FEB 2021 to 22 APR 2021

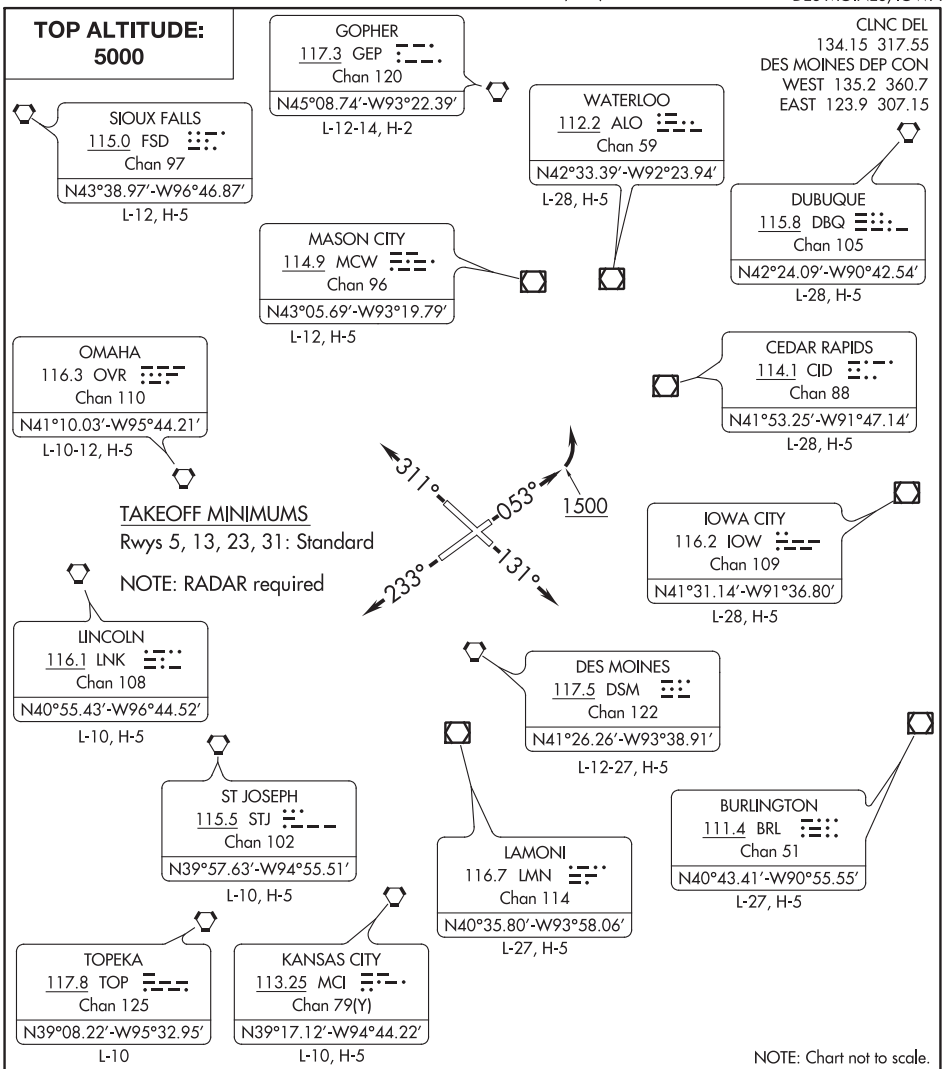
NC-3, 25 FEB 2021 to 22 APR 2021

(DSM1.DSM) 20142

DES MOINES ONE DEPARTURE

AL-117 (FAA)

DES MOINES INTL (DSM)
DES MOINES, IOWA



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 5: Climb on heading 053° to 1500 before turning left for RADAR vectors to assigned route/fix, thence . . . .
TAKEOFF RUNWAY 13: Climb on heading 131° for RADAR vectors to assigned route/fix, thence . . . .
TAKEOFF RUNWAY 23: Climb on heading 233° for RADAR vectors to assigned route/fix, thence . . . .
TAKEOFF RUNWAY 31: Climb on heading 311° for RADAR vectors to assigned route/fix, thence . . . .
. . . . maintain 5000 or assigned lower altitude.
Expect clearance to filed altitude 10 minutes after departure.

NC-3, 25 FEB 2021 to 22 APR 2021

DES MOINES ONE DEPARTURE
(DSM1.DSM) 21MAY20

DES MOINES, IOWA
DES MOINES INTL (DSM)

WAAS CH 62808 W18A	APP CRS 182°	Rwy ldg 5000 TDZE 304 Apt Elev 304

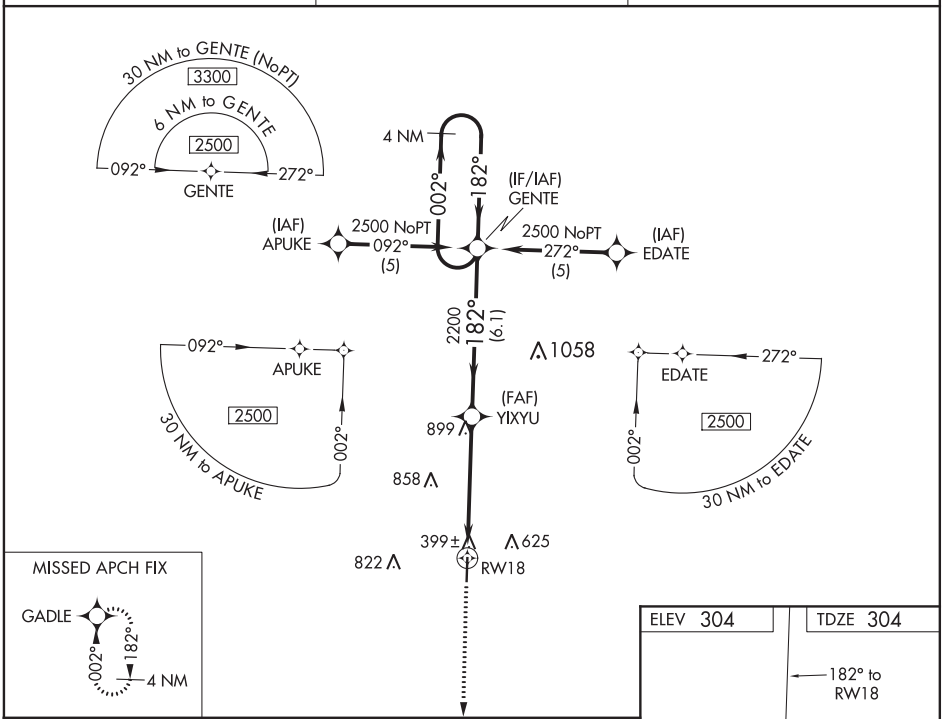
RNAV (GPS) RWY 18
DEXTER MUNI (DXE)

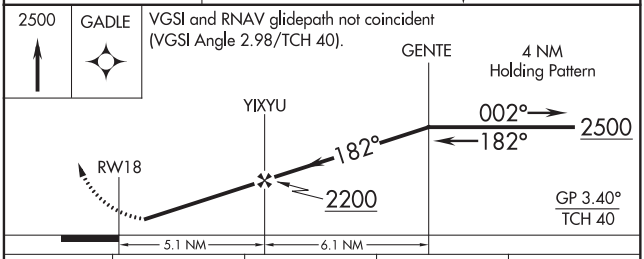
RNP APCH.

T A NA Baro-VNAV NA. Use Poplar Bluff altimeter setting, when not received use Cape Girardeau Rgnl altimeter setting and increase all DA 33 feet and LPV visibilities ¼ mile all Cats and increase all MDA 40 feet. Rwy 18 helicopter visibility reduction below ¾ SM NA.

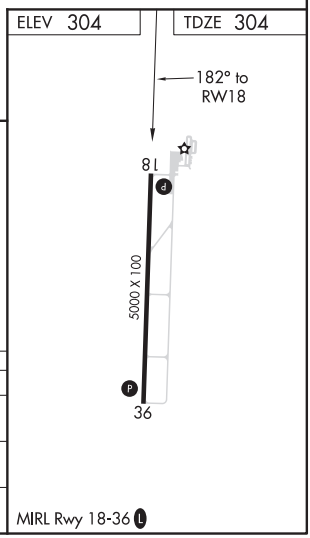
MISSED APPROACH: Climb to 2500 direct GADLE and hold.

POF ASOS	MEMPHIS CENTER	UNICOM
124.225	133.65 292.15	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	724-1¼ 420 (500-1¼)			NA
LNAV/VNAV DA	854-1¾ 550 (600-1¾)			NA
LNAV MDA	1200-1¼ 896 (900-1¼)		1200-2¾ 896 (900-2¾)	NA



NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

DEXTER, MISSOURI | AL-5827 (FAA) | 19283

RNAV (GPS) RWY 36
DEXTER MUNI (DXE)

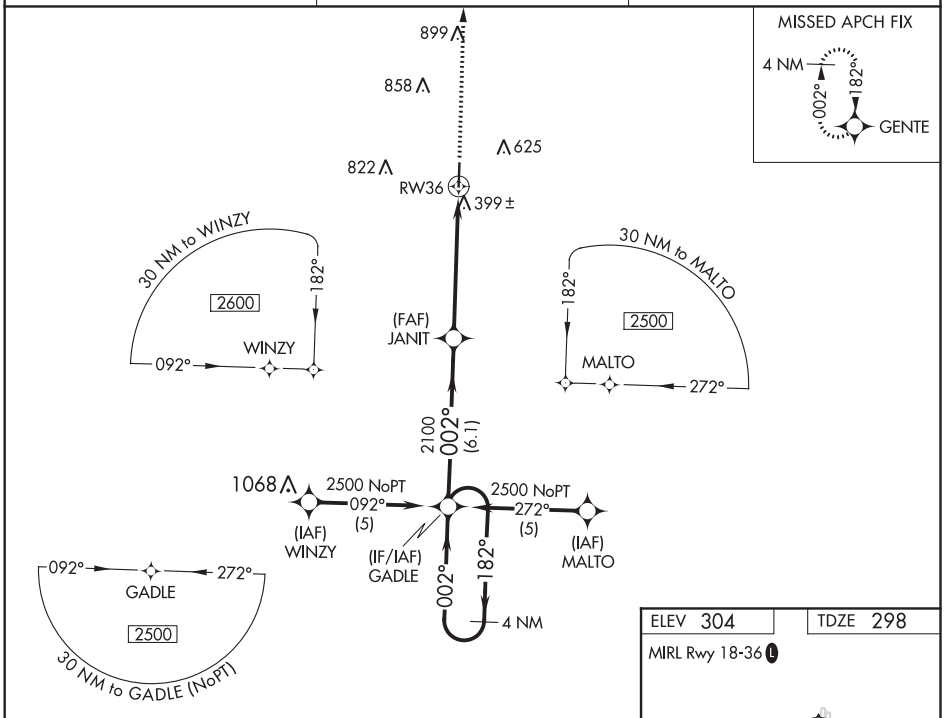
WAAS CH 50507 W36A	APP CRS 002°	Rwy ldg 5000 TDZE 298 Apt Elev 304

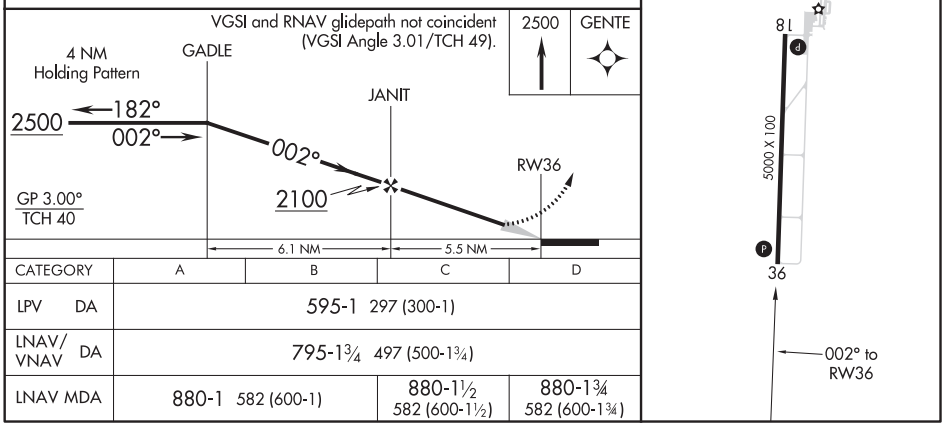
RNP APCH.

T A NA Baro-VNAV NA. Use Poplar Bluff altimeter setting, when not received use Cape Girardeau Rgnl altimeter setting and increase all DA 33 feet and all MDA 40 feet; increase LPV and LNAV/VNAV all Cats visibility ¼ SM, increase LNAV Cats C/D visibility ¼ SM.

MISSED APPROACH: Climb to 2500 direct GENTE and hold.

POF ASOS	MEMPHIS CENTER	UNICOM
124.225	133.65 292.15	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	595-1 297 (300-1)			
LNAV/VNAV DA	795-1¾ 497 (500-1¾)			
LNAV MDA	880-1 582 (600-1)		880-1½ 582 (600-1½)	880-1¾ 582 (600-1¾)

DEXTER, MISSOURI
Amdt 1B 18JUL19

36°47′N-89°56′W

DEXTER MUNI (DXE)
RNAV (GPS) RWY 36

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

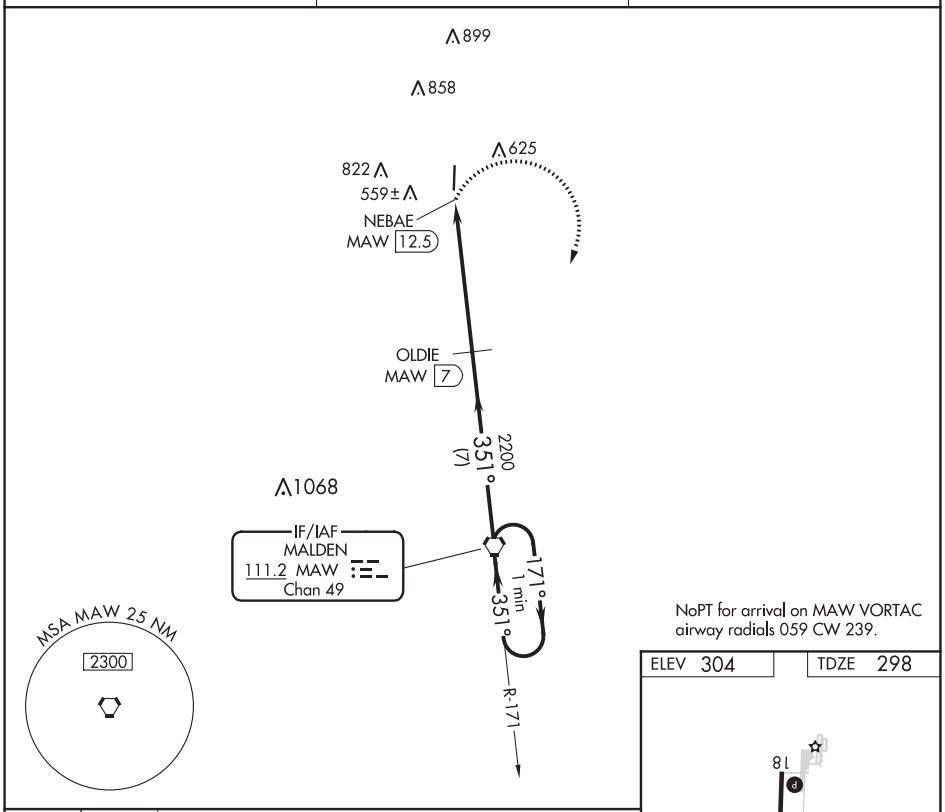
VOR/DME RWY 36
DEXTER MUNI (DXE)

VORTAC MAW	APP CRS	Rwy ldg	5000
111.2	351°	TDZE	298
Chan 49		Apt Elev	304

T NA Use Poplar Bluff altimeter setting, when not received, use Cape Girardeau Rgnl altimeter setting and increase all MDA 40 feet and Circling Cat C/D visibility ¼ mile.

MISSED APPROACH: Climbing right turn to 2200 direct MAW VORTAC and hold.

POF ASOS	MEMPHIS CENTER	UNICOM
124.225	133.65 292.15	122.8 (CTAF) L



CATEGORY	A	B	C	D
S-36	920-1	622 (700-1)	920-1¾ 622 (700-1¾)	920-2 622 (700-2)
CIRCLING	960-1	656 (700-1)	1040-2 736 (800-2)	1180-2¾ 876 (900-2¾)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

DUBUQUE, IOWA

AL-923 (FAA)

20310

ILS or LOC RWY 36
DUBUQUE RGNL (DBQ)

LOC/DME I-FUQ	APP CRS	Rwy ldg	6327
110.9	357°	TDZE	1048
Chan 46		Apt Elev	1077

DME or RADAR required for procedure entry.

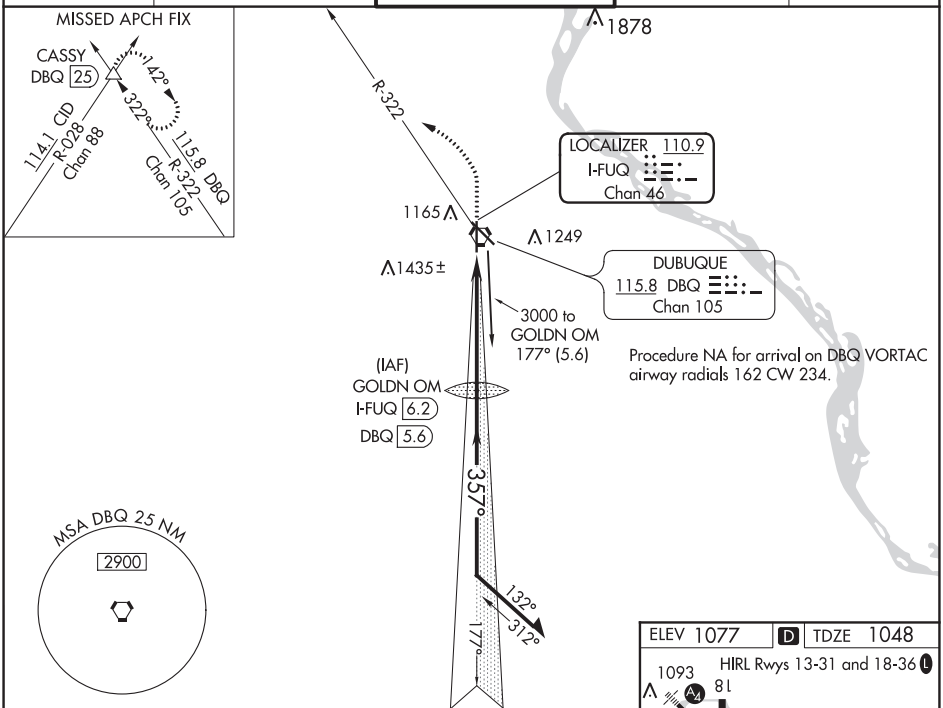
T A -34°C/-29°F

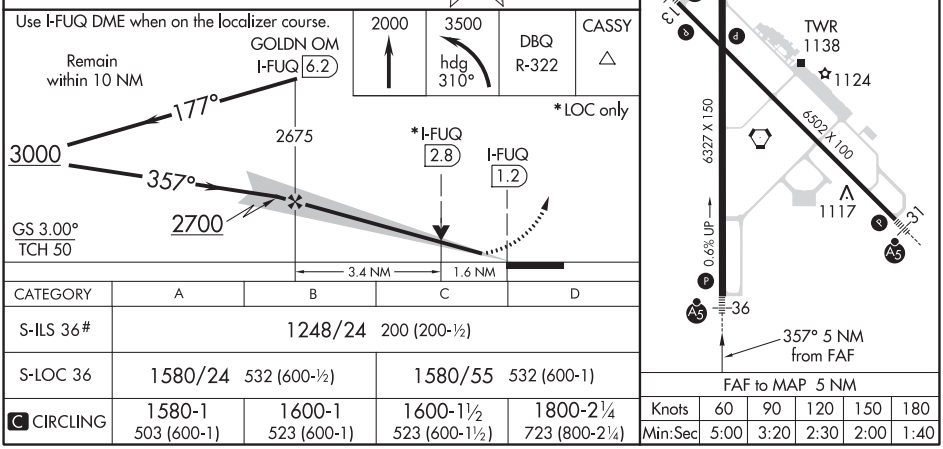
RVR 1800 authorized with use of FD or AP or HUD to DA.

MALSR

MISSED APPROACH: Climb to 2000 then climbing left turn to 3500 on heading 310° and DBQ R-322 to CASSY INT/DBQ 25 DME and hold.

ATIS	CHICAGO CENTER	DUBUQUE TOWER ★	GND CON	UNICOM
127.25	133.95 281.4	119.5 (CTAF) L 254.4	121.8	122.95





CATEGORY	A	B	C	D
S-ILS 36#	1248/24 200 (200-½)			
S-LOC 36	1580/24 532 (600-½)		1580/55 532 (600-1)	
C CIRCLING	1580-1 503 (600-1)	1600-1 523 (600-1)	1600-1½ 523 (600-1½)	1800-2¼ 723 (800-2¼)

FAF to MAP 5 NM					
Knots	60	90	120	150	180
Min:Sec	5:00	3:20	2:30	2:00	1:40

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

DUBUQUE, IOWA
Amdt 1 26MAR20

42°24′N-90°43′W

DUBUQUE RGNL (DBQ)
ILS or LOC RWY 36

WAAS CH 93700 W13A	APP CRS 132°	Rwy ldg 6502 TDZE 1077 Apt Elev 1077

RNAV (GPS) RWY 13
DUBUQUE RGNL (DBQ)

RNP APCH.

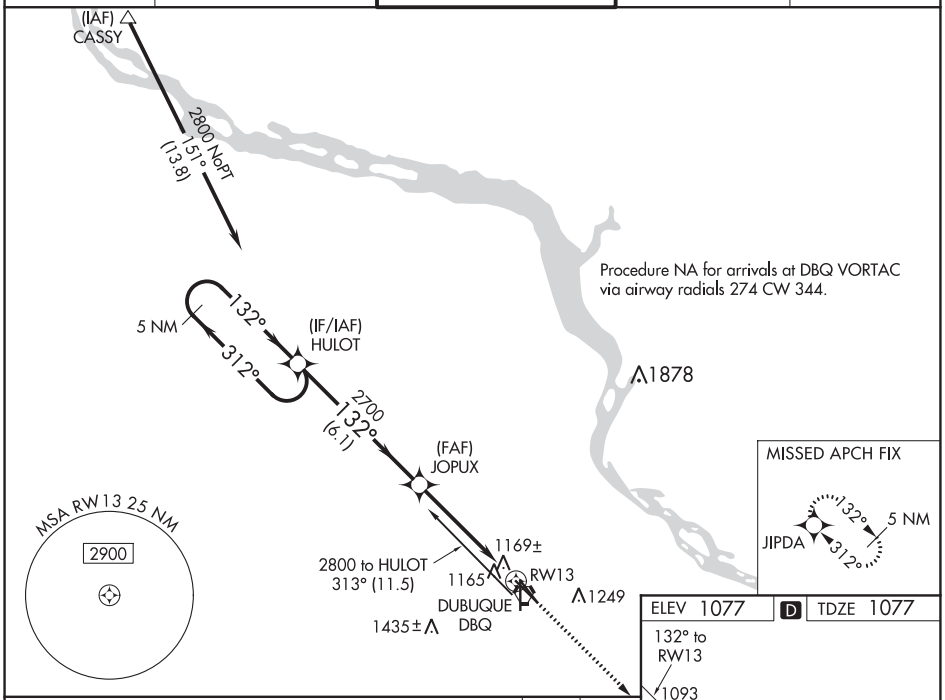
T A -34°C/-29°F

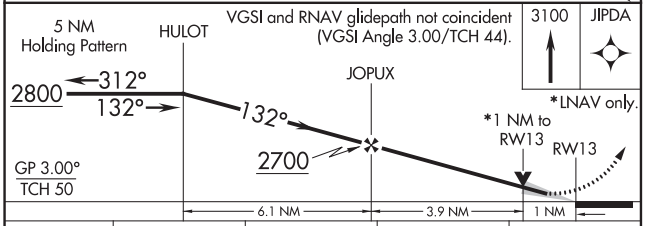
Inop table does not apply to LPV and LNAV/VNAV. Baro-VNAV NA when using Monticello altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 46°C. VDP NA when using Monticello altimeter setting. If local altimeter setting not received, use Monticello altimeter setting and increase all DAs/MDAs 100 feet.

MALS A4

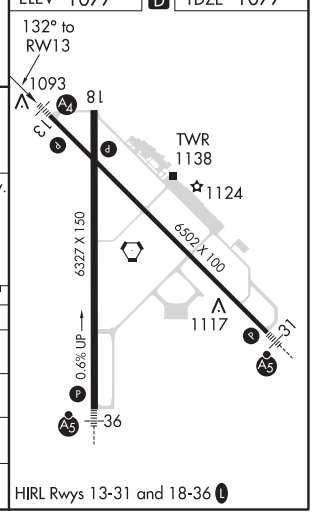
MISSED APPROACH: Climb to 3100 direct JIPDA and hold.

ATIS	CHICAGO CENTER	DUBUQUE TOWER★	GND CON	UNICOM
127.25	133.95 281.4	119.5 (CTAF) L 254.4	121.8	122.95





CATEGORY	A	B	C	D
LPV DA	1393-1 316 (400-1)			
LNAV/VNAV DA	1574-1¾ 497 (500-1¾)			
LNAV MDA	1440-¾ 363 (400-¾)			1440-1¼ 363 (400-1¼)
C CIRCLING	1580-1¾ 503 (600-1¾)		1600-1¾ 523 (600-1¾)	1800-2¼ 723 (800-2¼)



HIRL Rwys 13-31 and 18-36 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

DUBUQUE, IOWA | AL-923 (FAA) | 20310

RNAV (GPS) RWY 18
DUBUQUE RGNL (DBQ)

WAAS CH 56431 W18A	APP CRS 177°	Rwy ldg 6327 TDZE 1073 Apt Elev 1077

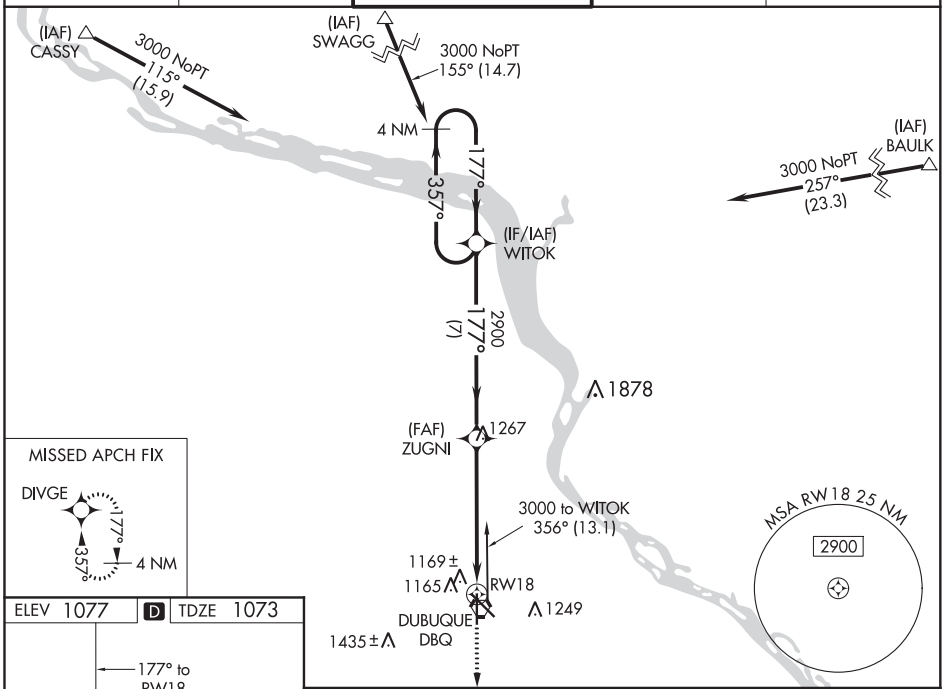
RNP APCH.

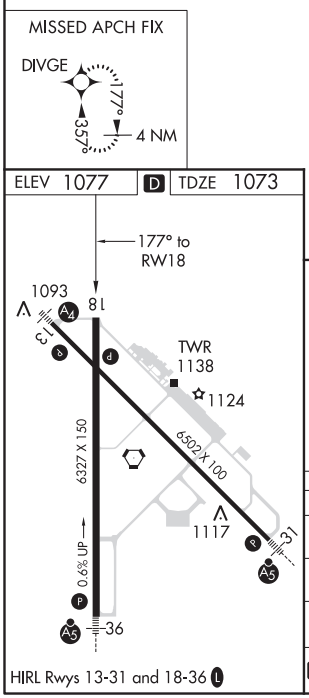
T A ❄ -34°C/-29°F

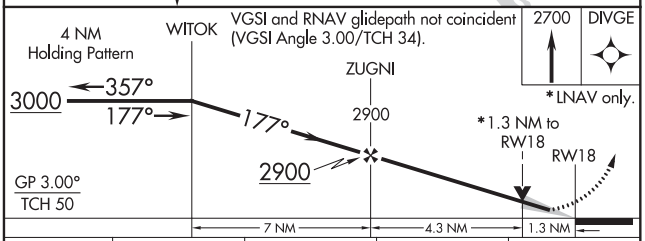
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -28°C or above 54°C. When local altimeter setting not received, use Monticello altimeter setting and increase all DA 88 feet and all MDA 100 feet, increase LPV all Cats visibility to 1⅛ mile, increase LNAV/VNAV all Cats ¼, LNAV Cat C and D and Circling Cat C visibility ¼ mile. Baro-VNAV and VDP NA when using Monticello altimeter setting.

MISSED APPROACH: Climb to 2700 direct DIVGE and hold.

ATIS	CHICAGO CENTER	DUBUQUE TOWER *	GND CON	UNICOM
127.25	133.95 281.4	119.5 (CTAF) L 254.4	121.8	122.95







CATEGORY	A	B	C	D
LPV DA	1323-¾ 250 (300-¾)			
LNAV/VNAV DA	1332-⅞ 259 (300-⅞)			
LNAV MDA	1520-1 447 (500-1)		1520-1⅜ 447 (500-1⅜)	
C CIRCLING	1580-1 503 (600-1)		1600-1½ 523 (600-1½)	1800-2¼ 723 (800-2¼)

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 69400 W31A	APP CRS 312°	Rwy ldg 6502 TDZE 1062 Apt Elev 1077

RNAV (GPS) RWY 31
DUBUQUE RGNL (DBQ)

RNP APCH.

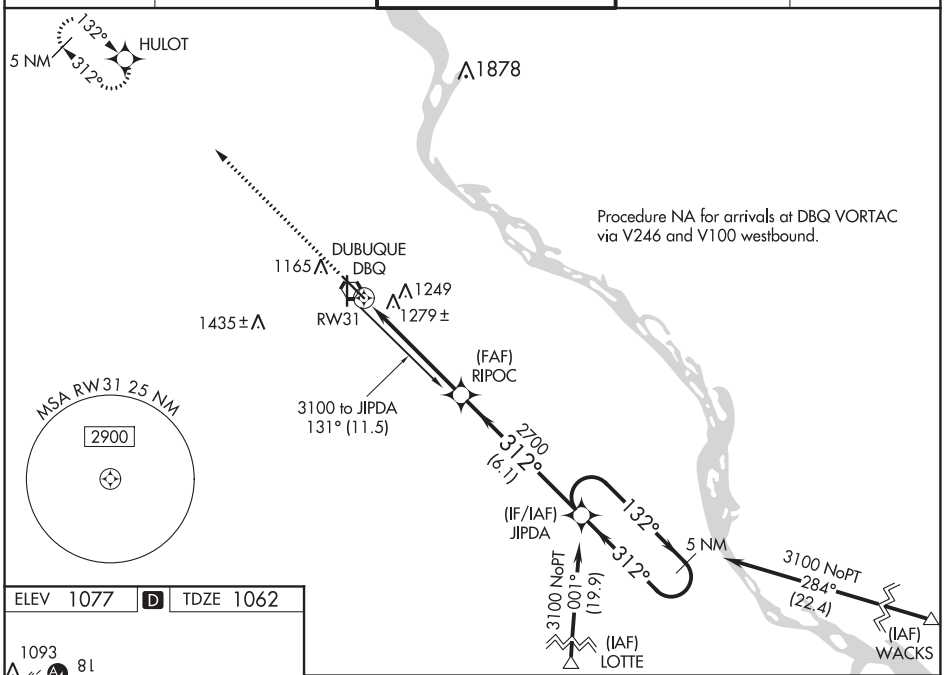
T
A
-34°C/-29°F

For inop MALSR, increase LPV all Cats visibility to 1½ and LNAV Cats A, B visibility to 1. Baro-VNAV NA when using Monticello altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 46°C. VDP NA when using Monticello altimeter setting. If local altimeter setting not received, use Monticello altimeter setting and increase all DAs/MDAs 100 feet.

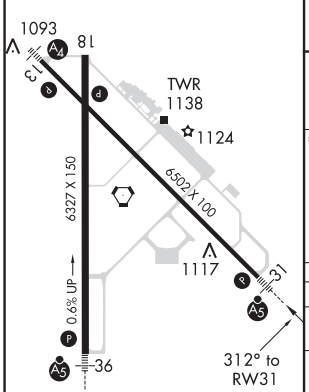
MALSR A5

MISSED APPROACH: Climb to 2800 direct HULOT and hold.

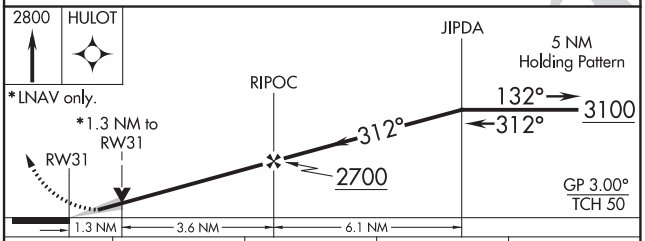
ATIS	CHICAGO CENTER	DUBUQUE TOWER ★	GND CON	UNICOM
127.25	133.95 281.4	119.5 (CTAF) L 254.4	121.8	122.95



ELEV 1077 D TDZE 1062



HIRL Rwys 13-31 and 18-36 L



CATEGORY	A	B	C	D
LPV DA	1481-1 419 (500-1)			
LNAV/VNAV DA	1603-1½ 541 (600-1½)			
LNAV MDA	1540-¾ 478 (500-¾)			1540-1 478 (500-1)
C CIRCLING	1620-2 543 (600-2)			1800-2¼ 723 (800-2¼)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

DUBUQUE, IOWA

AL-923 (FAA)

20310

RNAV (GPS) RWY 36
DUBUQUE RGNL (DBQ)

WAAS CH 62807 W36A	APP CRS 357°	Rwy ldg 6327 TDZE 1048 Apt Elev 1077

RNP APCH.

T
A
-34°C/-29°F

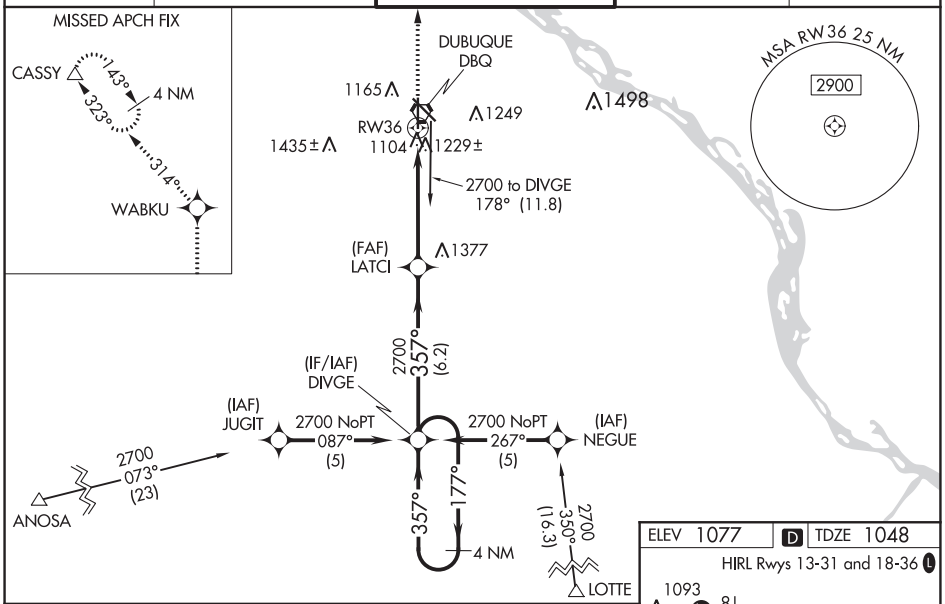
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 46°C. Baro-VNAV and VDP NA when using Monticello altimeter setting. When local altimeter setting not received, use Monticello altimeter setting and increase all DA 88 feet and all MDA 100 feet, increase LNAV/VNAV all Cats, LNAV Cats C and D and Circling Cat C visibility ¼ mile. For inop MALSR when using Monticello altimeter setting, increase LPV all Cats visibility to RVR 5000.

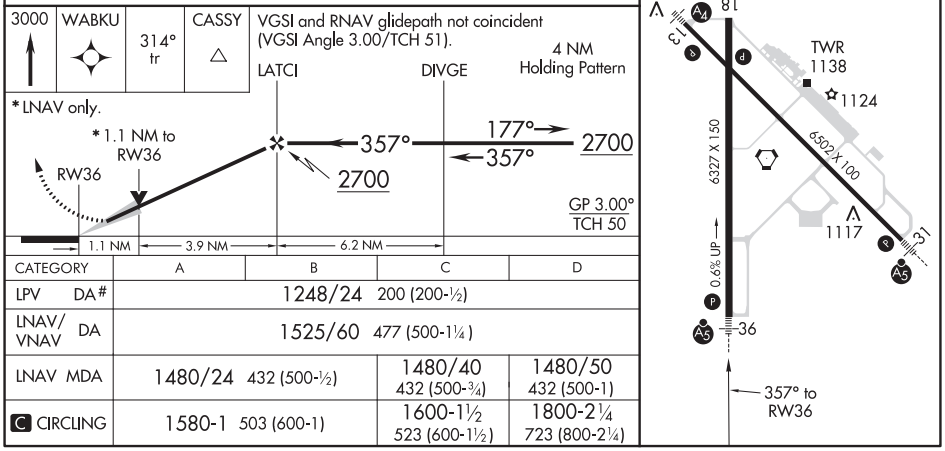
RVR 1800 authorized with use of FD or AP or HUD to DA, NA when using Monticello altimeter setting.

MALSR

MISSED APPROACH: Climb to 3000 direct WABKU and via 314° track to CASSY and hold.

ATIS	CHICAGO CENTER	DUBUQUE TOWER ★	GND CON	UNICOM
127.25	133.95 281.4	119.5 (CTAF) L 254.4	121.8	122.95





CATEGORY	A	B	C	D
LPV DA#	1248/24 200 (200-½)			
LNAV/VNAV DA	1525/60 477 (500-1¼)			
LNAV MDA	1480/24 432 (500-½)		1480/40 432 (500-¾)	1480/50 432 (500-1)
C CIRCLING	1580-1 503 (600-1)		1600-1½ 523 (600-1½)	1800-2¼ 723 (800-2¼)

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

LOC/DME BC RWY 13
DUBUQUE RGNL (DBQ)

LOC/DME I-DBQ	APP CRS	Rwy ldg	6502
108.7	132°	TDZE	1076
Chan 24		Apt Elev	1077

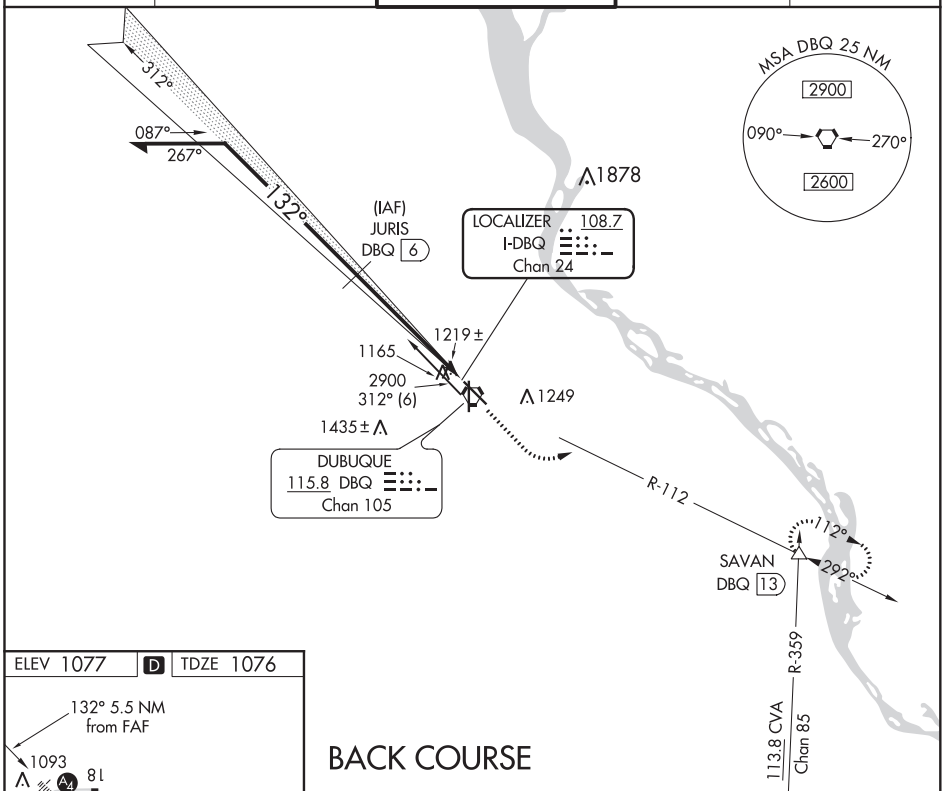
T
NA
-34°C/-29°F

DME from DBQ VORTAC. Simultaneous reception of I-DBQ and DBQ DME required. Inoperative table does not apply to S-13 Cat C.

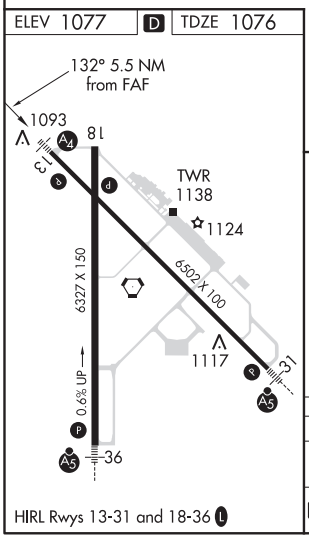
MALS A4

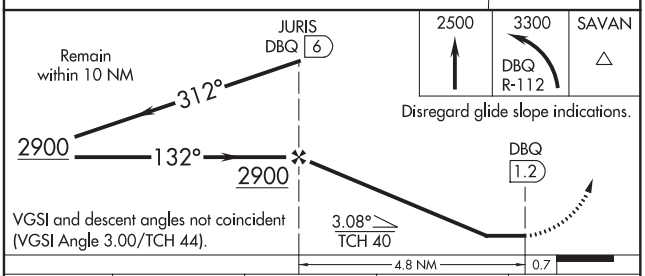
MISSED APPROACH: Climb to 2500, then climbing left turn to 3300 via DBQ R-112 to SAVAN INT/13 DME and hold.

ATIS	CHICAGO CENTER	DUBUQUE TOWER ★	GND CON	UNICOM
127.25	133.95 281.4	119.5 (CTAF) L 254.4	121.8	122.95



BACK COURSE





CATEGORY	A	B	C	D
S-13	1480-¾ 404 (500-¾)		1480-1¼ 404 (500-1¼)	
C CIRCLING	1580-1 503 (600-1)		1600-1½ 523 (600-1½)	1800-2¼ 723 (800-2¼)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

DUBUQUE, IOWA

AL-923 (FAA)

20310

LOC RWY 31
DUBUQUE RGNL (DBQ)

LOC/DME I-DBQ	APP CRS	Rwy ldg	6502
108.7	311°	TDZE	1062
Chan 24		Apt Elev	1077

ADF or DME required for procedure entry.

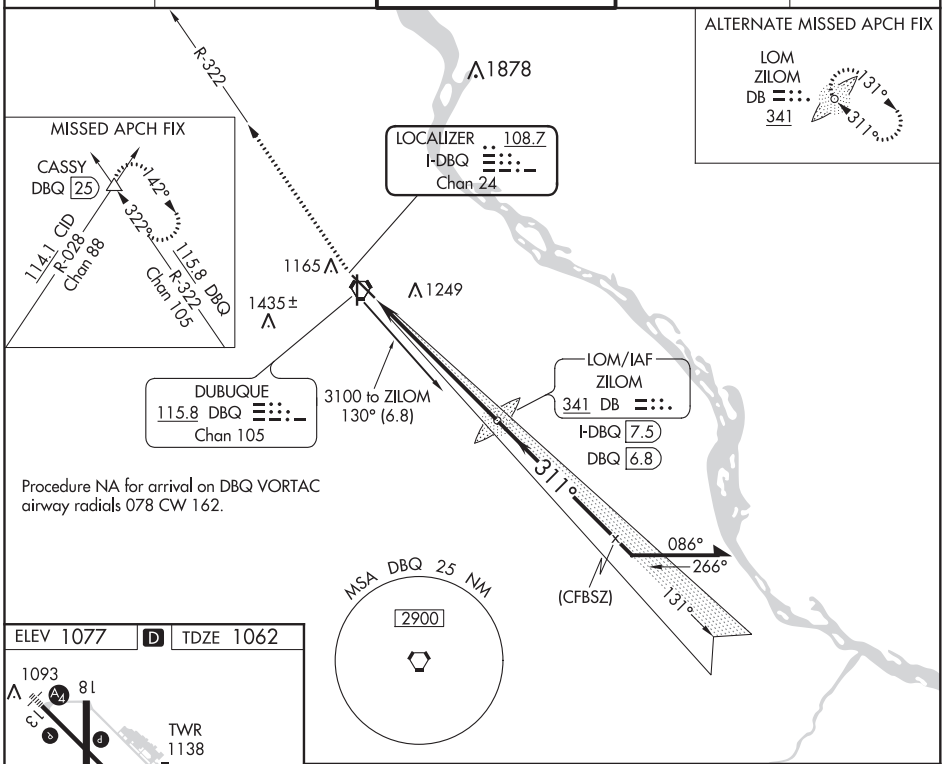
For inop ALS, increase S-31 Cat C/D visibility to 1⅜ SM.

-34°C/-29°F

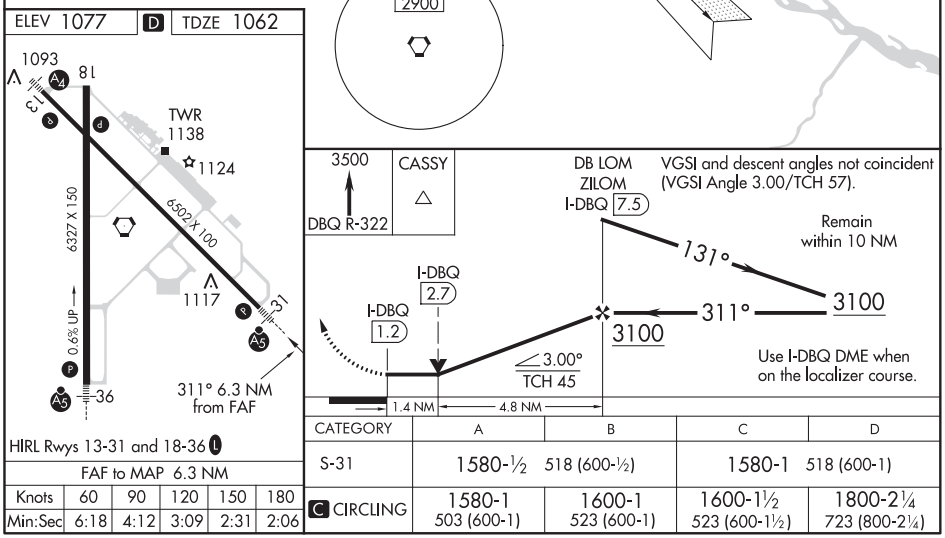
MALSR

MISSED APPROACH: Climb to 3500 on DBQ VORTAC R-322 to CASSY INT/ DBQ 25 DME and hold.

ATIS	CHICAGO CENTER	DUBUQUE TOWER ★	GND CON	UNICOM
127.25	133.95 281.4	119.5 (CTAF) L 254.4	121.8	122.95



Procedure NA for arrival on DBQ VORTAC airway radials 078 CW 162.



FAF to MAP 6.3 NM					
Knots	60	90	120	150	180
Min:Sec	6:18	4:12	3:09	2:31	2:06

CATEGORY	A	B	C	D
S-31	1580-½ 518 (600-½)		1580-1 518 (600-1)	
C CIRCLING	1580-1 503 (600-1)	1600-1 523 (600-1)	1600-1½ 523 (600-1½)	1800-2¼ 723 (800-2¼)

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

VORTAC DBQ 115.8 Chan 105	APP CRS 138°	Rwy ldg 6502 TDZE 1077 Apt Elev 1077

VOR RWY 13
DUBUQUE RGNL (DBQ)

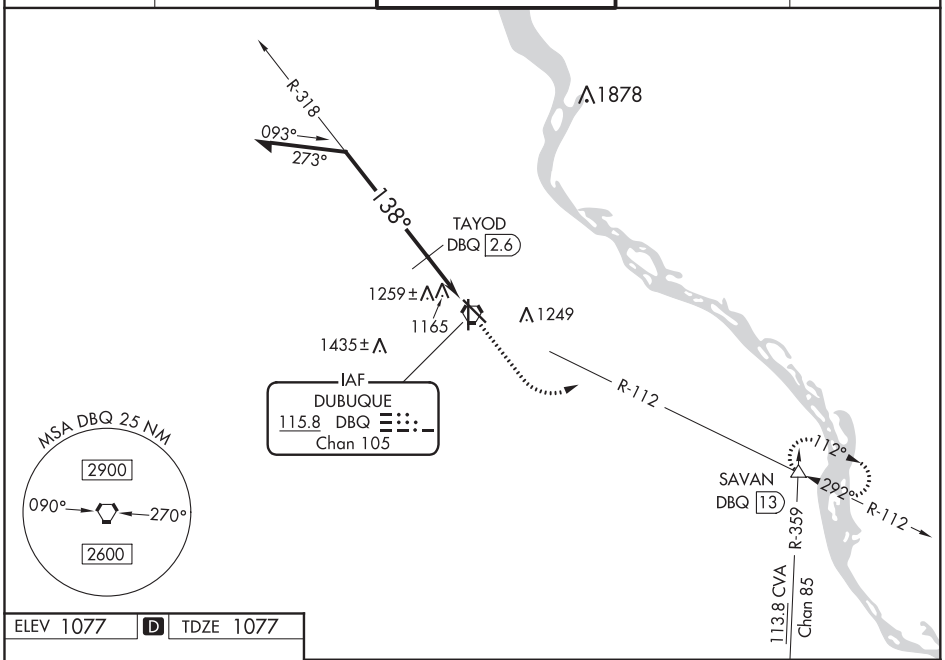
-34°C/-29°F

Inop table does not apply to Cat C. If local altimeter setting not received, use Monticello altimeter setting and increase all MDAs 100 feet. VDP NA when using Monticello altimeter setting.

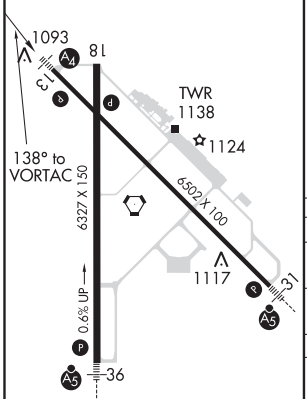
MALS

MISSED APPROACH: Climb to 2500 then climbing left turn to 3300 via DBQ VORTAC R-112 to SAVAN INT/13 DME and hold.

ATIS	CHICAGO CENTER	DUBUQUE TOWER ★	GND CON	UNICOM
127.25	133.95 281.4	119.5 (CTAF) L 254.4	121.8	122.95

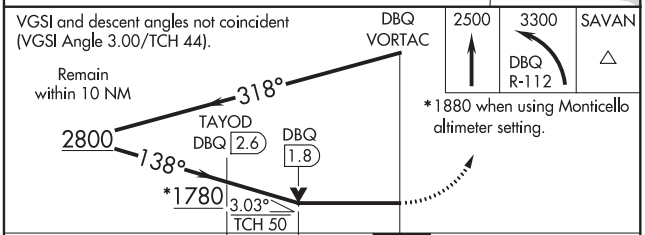


ELEV 1077 | D | TDZE 1077



HIRL Rwys 13-31 and 18-36 L

VGSI and descent angles not coincident (VGSI Angle 3.00/TCH 44).



*1880 when using Monticello altimeter setting.

CATEGORY	A	B	C	D
S-13	1780-¾	703 (800-¾)	1780-2 703 (800-2)	1780-2¼ 703 (800-2¼)
C CIRCLING	1780-1	703 (800-1)	1780-2 703 (800-2)	1800-2¼ 723 (800-2¼)
TAYOD FIX MINIMUMS				
S-13	1520-¾	443 (500-¾)	1520-1¼ 443 (500-1¼)	1520-1½ 443 (500-1½)
C CIRCLING	1580-1	503 (600-1)	1600-1½ 523 (600-1½)	1800-2¼ 723 (800-2¼)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

VORTAC DBQ 115.8 Chan 105	APP CRS 304°	Rwy ldg 6502 TDZE 1062 Apt Elev 1077

VOR RWY 31
DUBUQUE RGNL (DBQ)

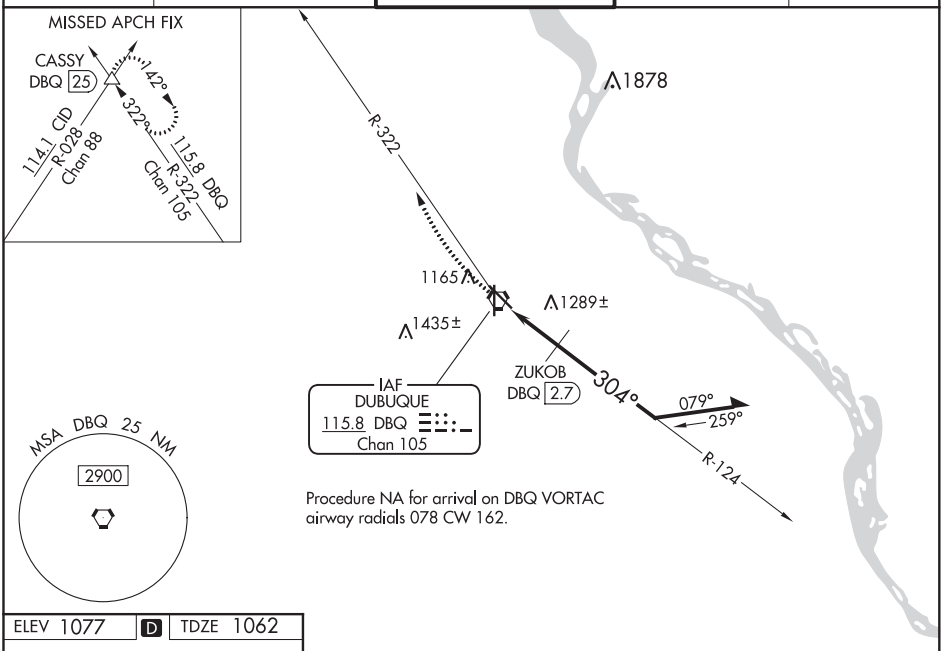
T
A
-34°C/-29°F

VOR minimums: For inop ALS, increase S-31 Cats C and D visibility to 2 SM.
ZUKOB fix minimums: For inop ALS, increase S-31 Cats C and D visibility to 1⅜ SM.

MALSR

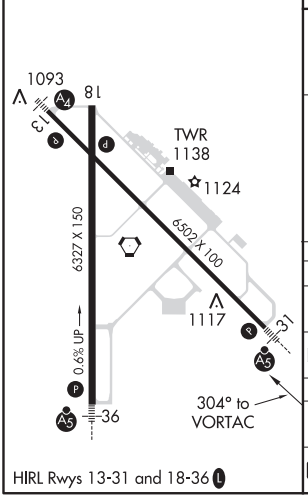
MISSED APPROACH: Climbing right turn to 3500 on DBQ VORTAC R-322 to CASSY INT/ 25 DME and hold.

ATIS	CHICAGO CENTER	DUBUQUE TOWER ★	GND CON	UNICOM
127.25	133.95 281.4	119.5 (CTAF) L 254.4	121.8	122.95

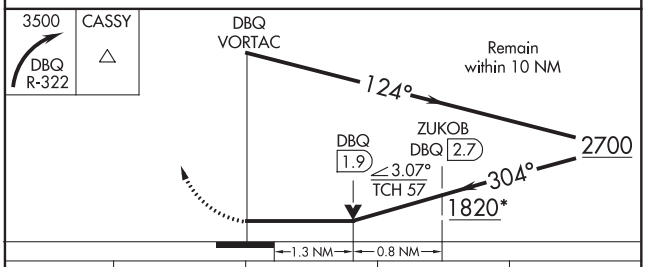


NC-3, 25 FEB 2021 to 22 APR 2021

ELEV 1077 D TDZE 1062



HIRL Rwys 13-31 and 18-36 L



CATEGORY	A	B	C	D
S-31	1820-½ 758 (800-½)	1820-¾ 758 (800-¾)	1820-1¾ 758 (800-1¾)	
C CIRCLING	1820-1 743 (800-1)	1820-1¼ 743 (800-1¼)	1820-2¼ 743 (800-2¼)	1820-2½ 743 (800-2½)
ZUKOB FIX MINIMUMS				
S-31	1540-½ 478 (500-½)		1540-1 478 (500-1)	
C CIRCLING	1580-1 503 (600-1)	1600-1 523 (600-1)	1600-1½ 523 (600-1½)	1800-2 723 (800-2)

VOR RWY 36
DUBUQUE RGNL (DBQ)

VORTAC DBQ 115.8 Chan 105	APP CRS 003°	Rwy ldg 6327 TDZE 1048 Apt Elev 1077

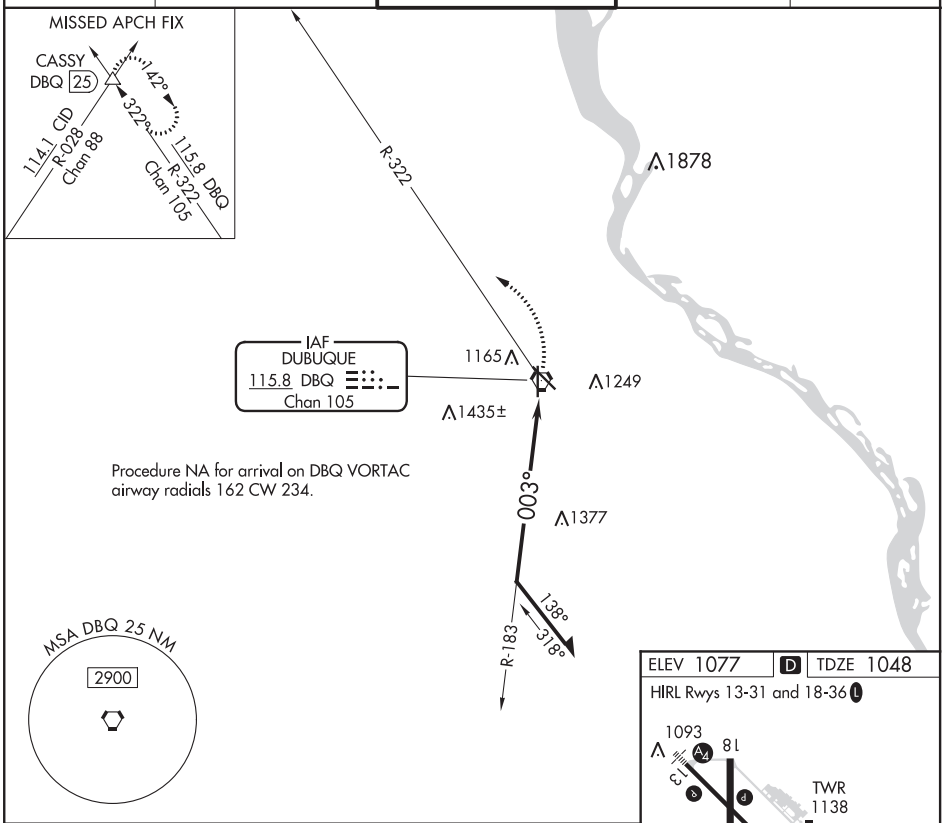
For inop ALS, increase S-36 Cat C/D visibility to 1¾ SM.

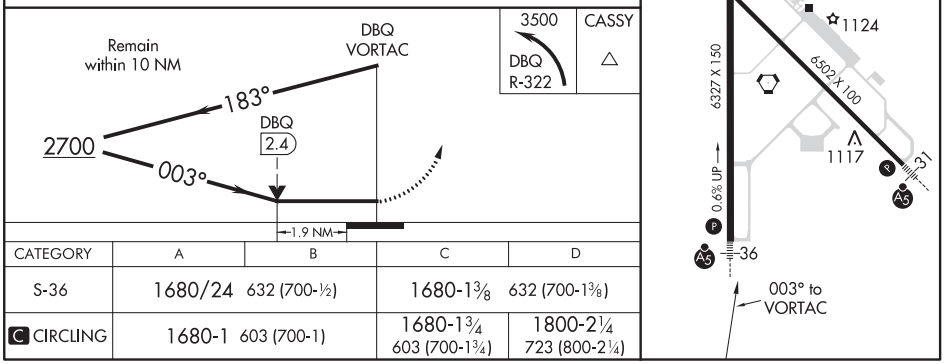
-34°C/-29°F

MALSR

MISSED APPROACH: Climbing left turn to 3500 on DBQ VORTAC R-322 to CASSY INT/ 25 DME and hold.

ATIS	CHICAGO CENTER	DUBUQUE TOWER ★	GND CON	UNICOM
127.25	133.95 281.4	119.5 (CTAF) L 254.4	121.8	122.95





CATEGORY	A	B	C	D
S-36	1680/24 632 (700-½)		1680-1⅜ 632 (700-1⅜)	
C CIRCLING	1680-1 603 (700-1)		1680-1¾ 603 (700-1¾)	1800-2¼ 723 (800-2¼)

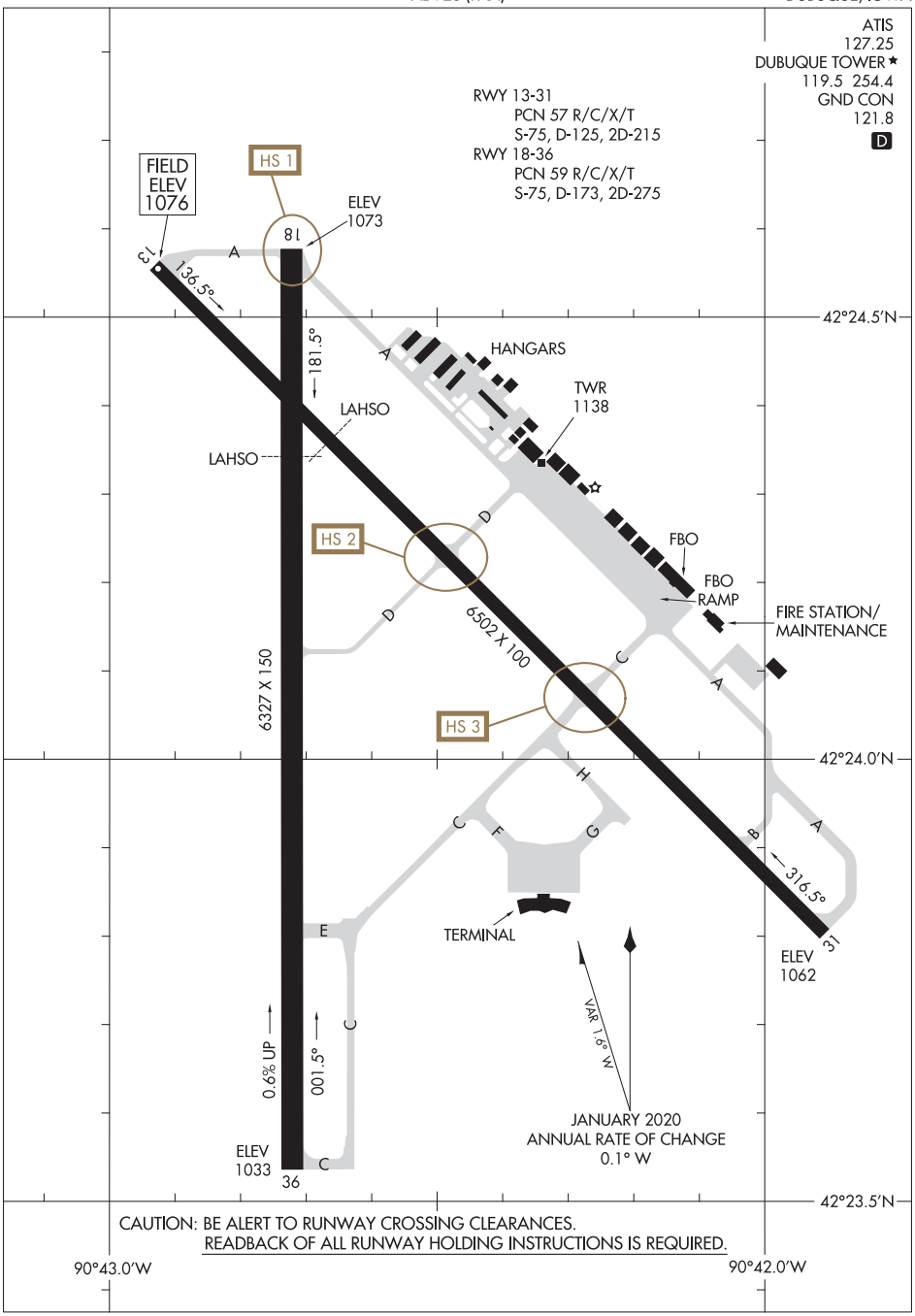
NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

21056

AIRPORT DIAGRAM

AL-923 (FAA)

DUBUQUE RGNL (DBQ)
DUBUQUE, IOWA



NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

AIRPORT DIAGRAM
21056
DUBUQUE, IOWA
DUBUQUE RGNL (DBQ)

APP CRS	Rwy ldg	3381
133°	TDZE	1132
	Apt Elev	1132

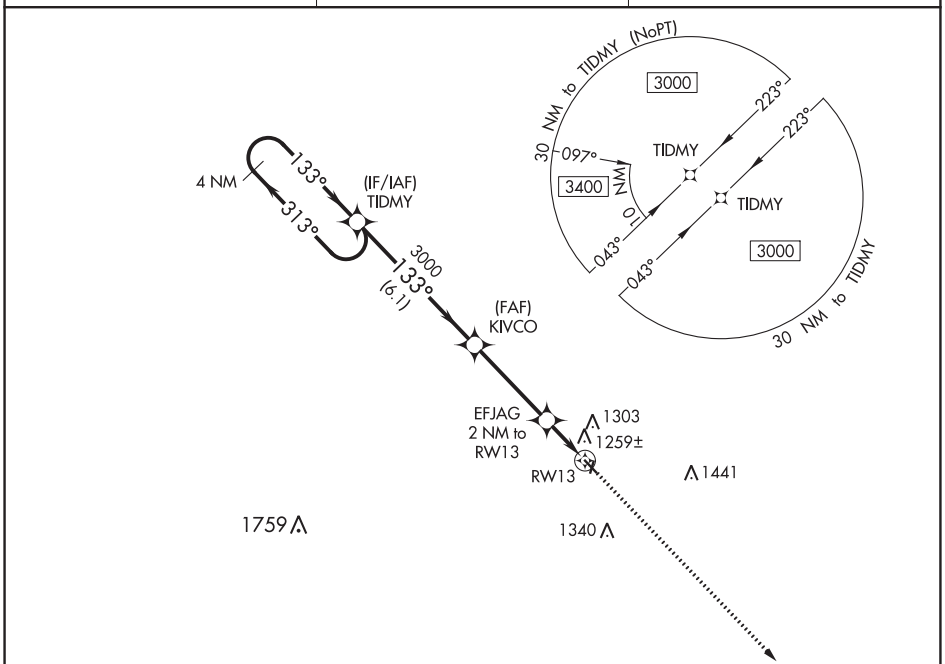
RNAV (GPS) RWY 13
EAGLE GROVE MUNI (EAG)

T A NA

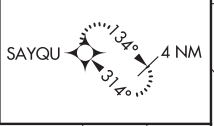
DME/DME RNP-0.3 NA. Use Clarion altimeter setting, when not received, use Fort Dodge altimeter setting and increase all MDA 20 feet. Helicopter visibility reduction below 1 SM NA. Night Landing: Rwy 13 NA. Circling NA to Rwys 1 and 19.

MISSED APPROACH: Climb to 3000 direct SAYQU and hold.

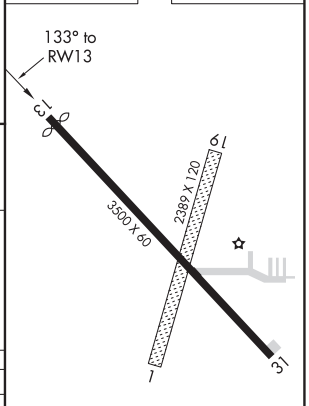
CAV AWOS-3	MINNEAPOLIS CENTER	UNICOM
126.575	134.0 288.3	122.8 (CTAF) L

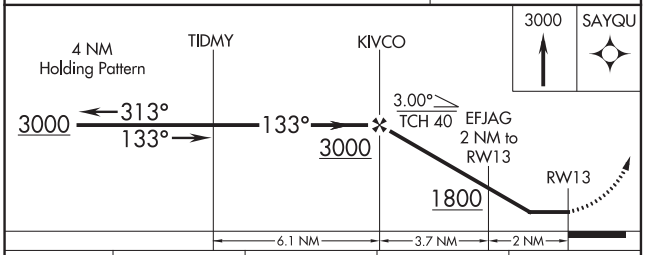


MISSED APCH FIX



ELEV 1132 TDZE 1132





CATEGORY	A	B	C	D
LNAV MDA	1540-1	408 (500-1)	NA	
C CIRCLING	1660-1	528 (600-1)	NA	

MIRL Rwy 13-31 L
REIL Rwys 13 and 31 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

EAGLE GROVE, IOWA

AL-6756 (FAA)

19283

RNAV (GPS) RWY 31
EAGLE GROVE MUNI (EAG)

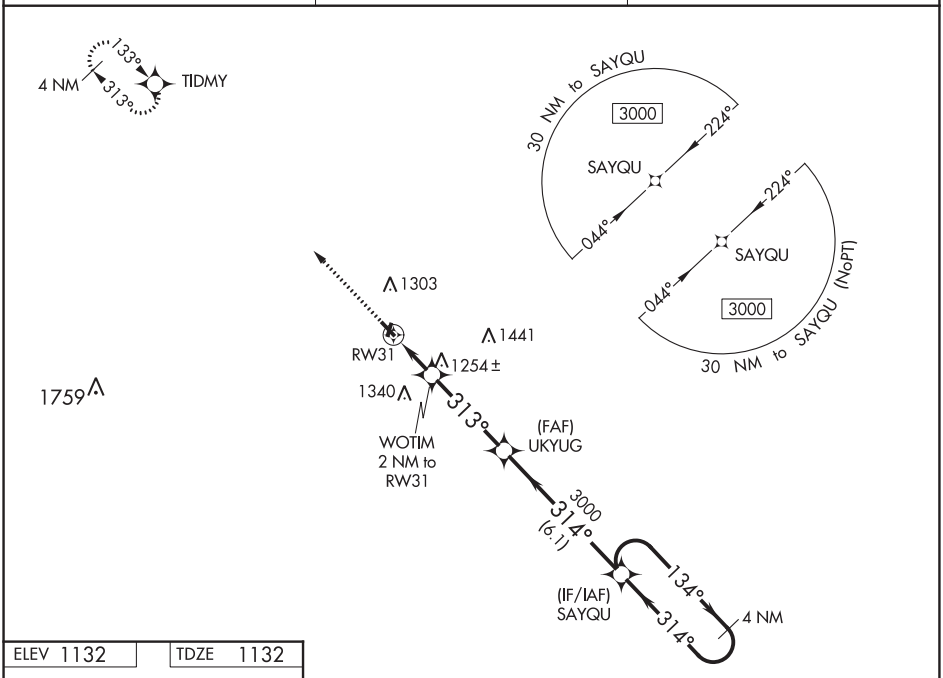
WAAS CH 72634 W31A	APP CRS 313°	Rwy ldg 3500 TDZE 1132 Apt Elev 1132

T
A NA

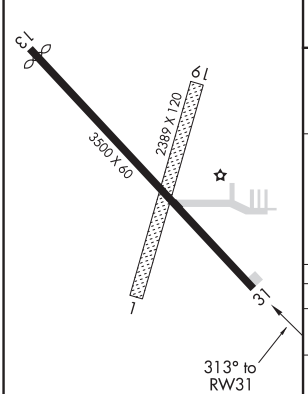
DME/DME RNP-0.3 NA. Use Clarion altimeter setting, when not received, use Fort Dodge altimeter setting and increase all DA and MDA 20 feet, increase all LPV and LNAV/VNAV Cats visibilities ⅛ mile. Helicopter visibility reduction below ¾ SM NA. Baro-VNAV NA. Night Landing: Rwy 13 NA. Circling NA to Rwys 1 and 19.

MISSED APPROACH: Climb to 3000 direct TIDMY and hold.

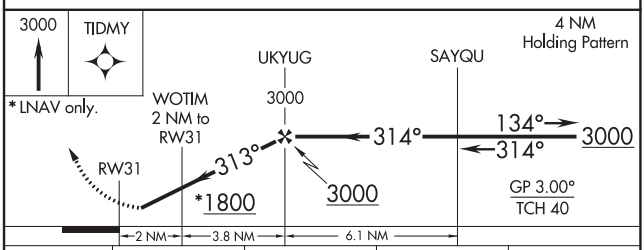
CAV AWOS-3	MINNEAPOLIS CENTER	UNICOM
126.575	134.0 288.3	122.8 (CTAF) L



ELEV 1132 | TDZE 1132



MIRL Rwy 13-31 L
REIL Rwys 13 and 31 L



CATEGORY	A	B	C	D
LPV DA	1510-1¼	378 (400-1¼)	NA	
LNAV/VNAV DA	1575-1½	443 (500-1½)	NA	
LNAV MDA	1540-1	408 (500-1)	NA	
C CIRCLING	1660-1	528 (600-1)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021

VORTAC FOD	APP CRS	Rwy ldg	N/A
113.5	063°	TDZE	N/A
Chan 82		Apt Elev	1132

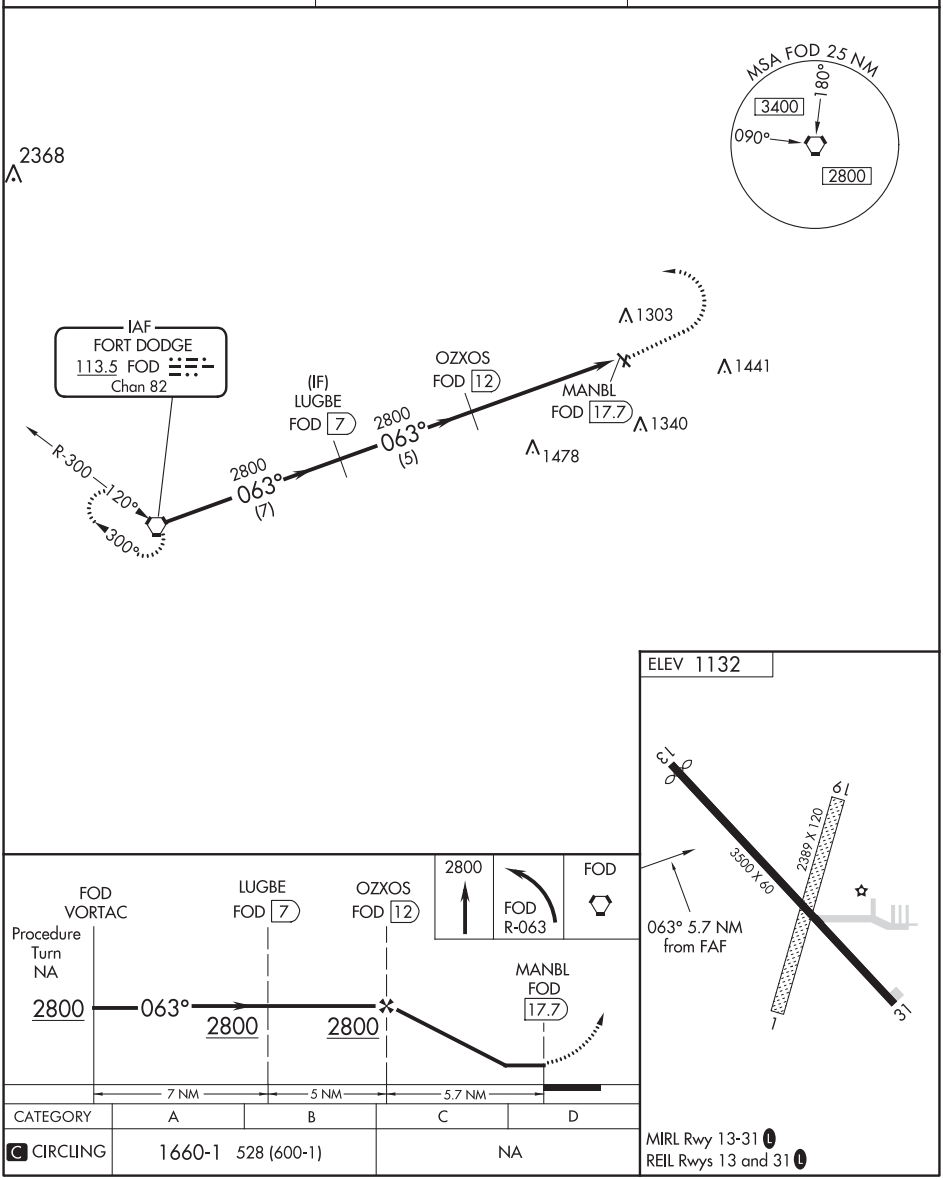
VOR/DME-A
EAGLE GROVE MUNI (EAG)

T NA

Use Clarion altimeter setting; when not received, use Fort Dodge altimeter setting. Night Landing: Rwy 13 NA. Circling NA to Rwys 1 and 19. Helicopter visibility reduction below 1 SM NA.

MISSED APPROACH: Climb to 2800 then left turn via FOD R-063 to FOD VORTAC and hold.

CAV AWOS-3	MINNEAPOLIS CENTER	UNICOM
126.575	134.0 288.3	122.8 (CTAF) L



NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

ELDON, MISSOURI AL-10434 (FAA) 19339

WAAS CH 45530 W18A	APP CRS 182°	Rwy ldg 4000 TDZE 917 Apt Elev 917

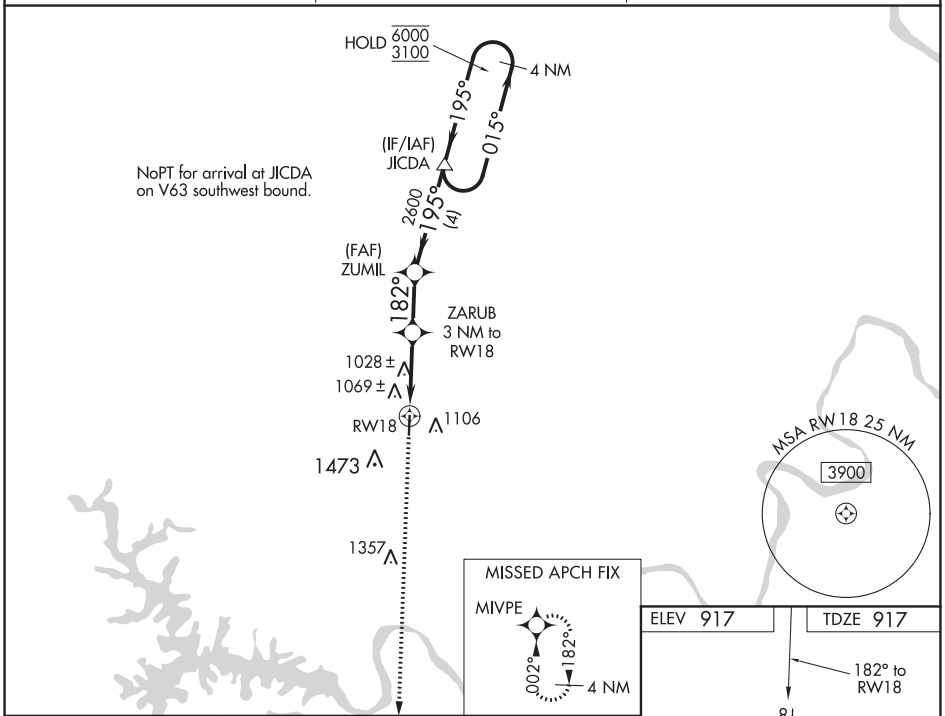
RNAV (GPS) RWY 18
ELDON MODEL AIRPARK (H79)

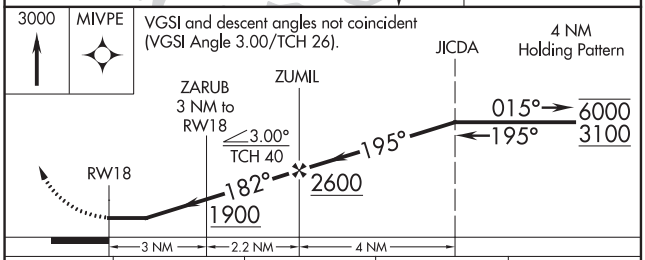
RNP APCH.

T A NA Rwy 18 helicopter visibility reduction below ¾ SM NA. Use Kaiser/Lake Ozark altimeter setting, when not received, use Fort Leonard Wood altimeter setting and increase all MDA 100 feet; increase LNAV and LP Cat C and Circling Cats B/C visibility ¼ SM.

MISSED APPROACH: Climb to 3000 direct MIVPE and hold.

AIZ AWOS-3 PT	MIZZU APP CON	UNICOM
135.325	124.1 353.7	122.8 (CTAF) L





CATEGORY	A	B	C	D
LP MDA	1340-1 423 (500-1)		1340-1¼ 423 (500-1¼)	NA
LNAV MDA	1500-1 583 (600-1)		1500-1¾ 583 (600-1¾)	NA
CIRCLING	1520-1 603 (700-1)	1820-1¼ 903 (1000-1¼)	1820-2¾ 903 (1000-2¾)	NA

MIRL Rwy 18-36 L
REIL Rwys 18 and 36 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 90130 W36A	APP CRS 002°	Rwy ldg 4000 TDZE 904 Apt Elev 917

RNAV (GPS) RWY 36
ELDON MODEL AIRPARK (H79)

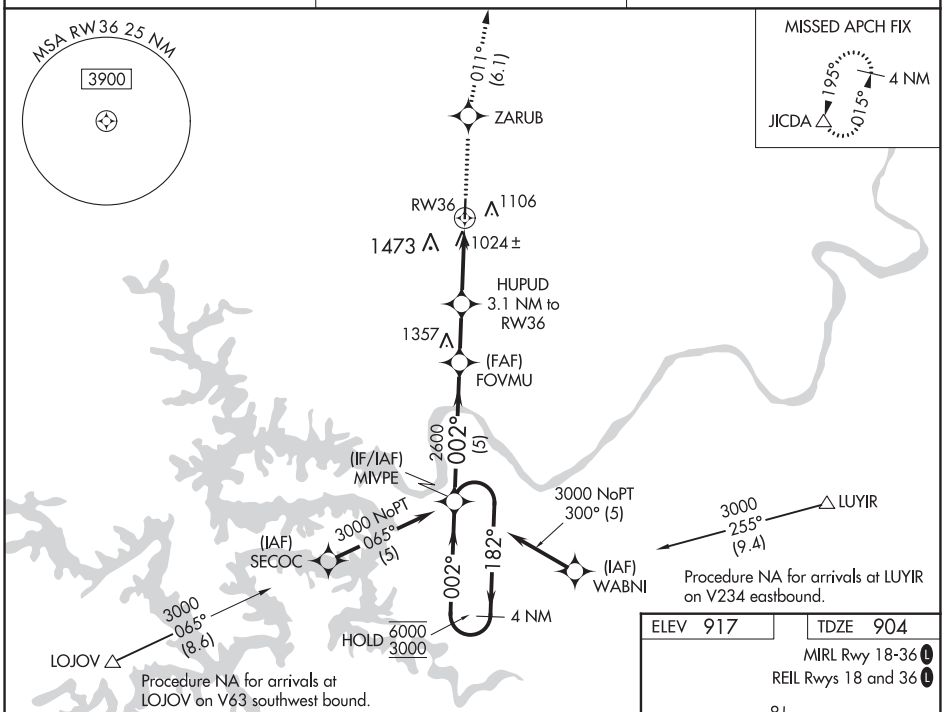
RNP APCH.

T NA

Rwy 36 helicopter visibility reduction below ¾ SM NA. Use Kaiser/Lake Ozark altimeter setting, when not received use Fort Leonard Wood altimeter setting and increase all MDA 100 feet; increase LP Cat C visibility ½ SM, increase LNAV Cat C and Circling Cats B/C visibility ¼ SM.

MISSED APPROACH: Climb to 3100 direct ZARUB and on track 011° to JICDA and hold.

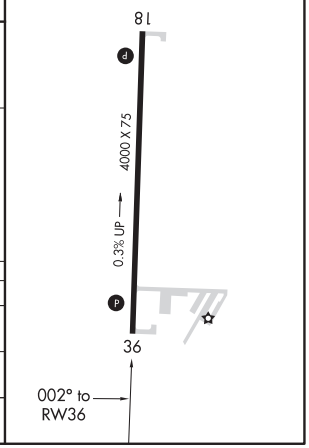
AIZ AWOS-3PT	MIZZU APP CON	UNICOM
135.325	124.1 353.7	122.8 (CTAF) L



ELEV 917 | TDZE 904

MIRL Rwy 18-36 L

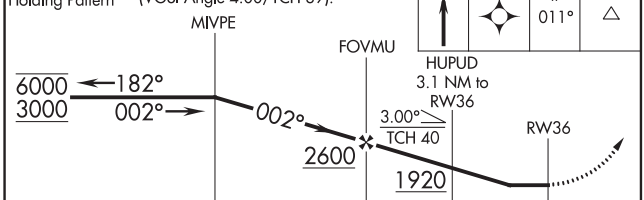
REIL Rwys 18 and 36 L



4 NM Holding Pattern

VGSI and descent angles not coincident (VGSI Angle 4.00/TCH 39).

3100	ZARUB	tr 011°	JICDA



CATEGORY	A	B	C	D
LP MDA	1320-1 416 (500-1)		1320-1⅛ 416 (500-1⅛)	NA
LNAV MDA	1440-1 536 (600-1)		1440-1½ 536 (600-1½)	NA
CIRCLING	1520-1 603 (700-1)	1820-1¼ 903 (1000-1¼)	1820-2¾ 903 (1000-2¾)	NA

NC-3, 25 FEB 2021 to 22 APR 2021

EMMETSBURG, IOWA | AL-6523 (FAA) | 18284

APP CRS	Rwy ldg	3401
132°	TDZE	1206
	Apt Elev	1206

RNAV (GPS) RWY 13
EMMETSBURG MUNI (EGQ)

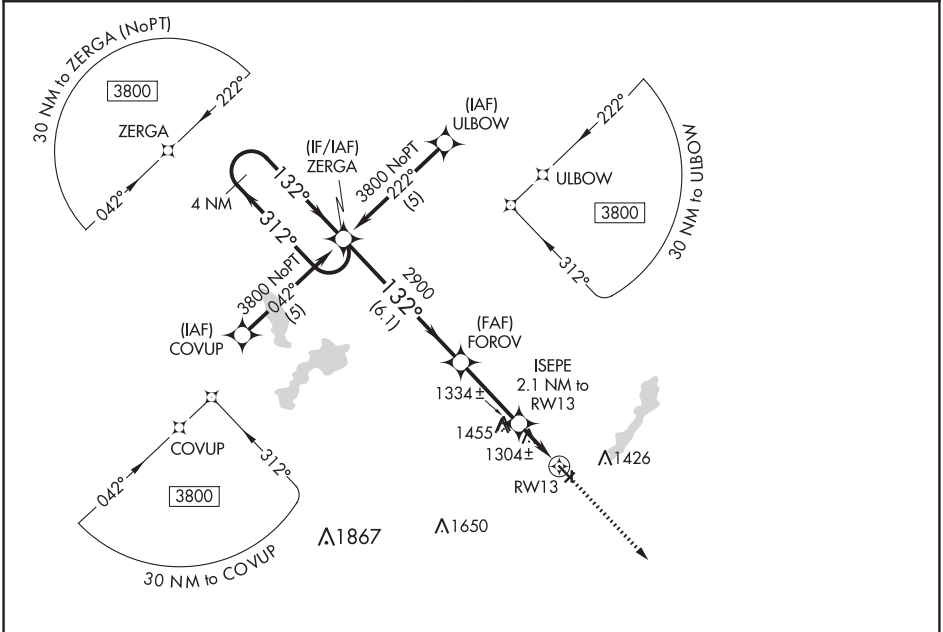
RNP APCH.

T
A NA

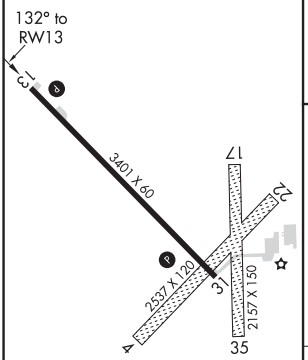
Use Algona altimeter setting, when not received, use Estherville altimeter setting. Procedure NA at night. Circling NA to Rwys 4, 17, 22 and 35. Rwy 13 visibility reduction below 1 SM NA.

MISSED APPROACH: Climb to 3800 direct HIVEN and hold.

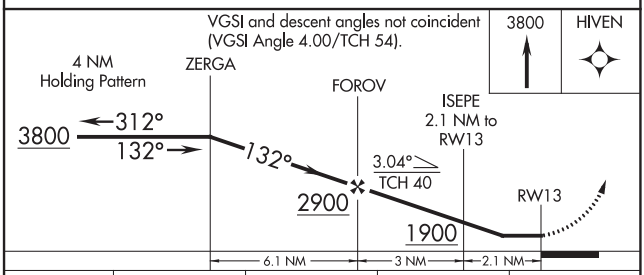
MINNEAPOLIS CENTER	UNICOM
127.75 257.7	122.8 (CTAF) L



ELEV 1206 | TDZE 1206



MIRL Rwy 13-31 L
REIL Rwys 13 and 31 L



CATEGORY	A	B	C	D
LNAV MDA	1620-1 414 (500-1)		NA	
CIRCLING	1780-1 574 (600-1)	1840-1 635 (700-1)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

APP CRS	Rwy ldg	3401
313°	TDZE	1206
	Apt Elev	1206

RNAV (GPS) RWY 31
EMMETSBURG MUNI (EGQ)

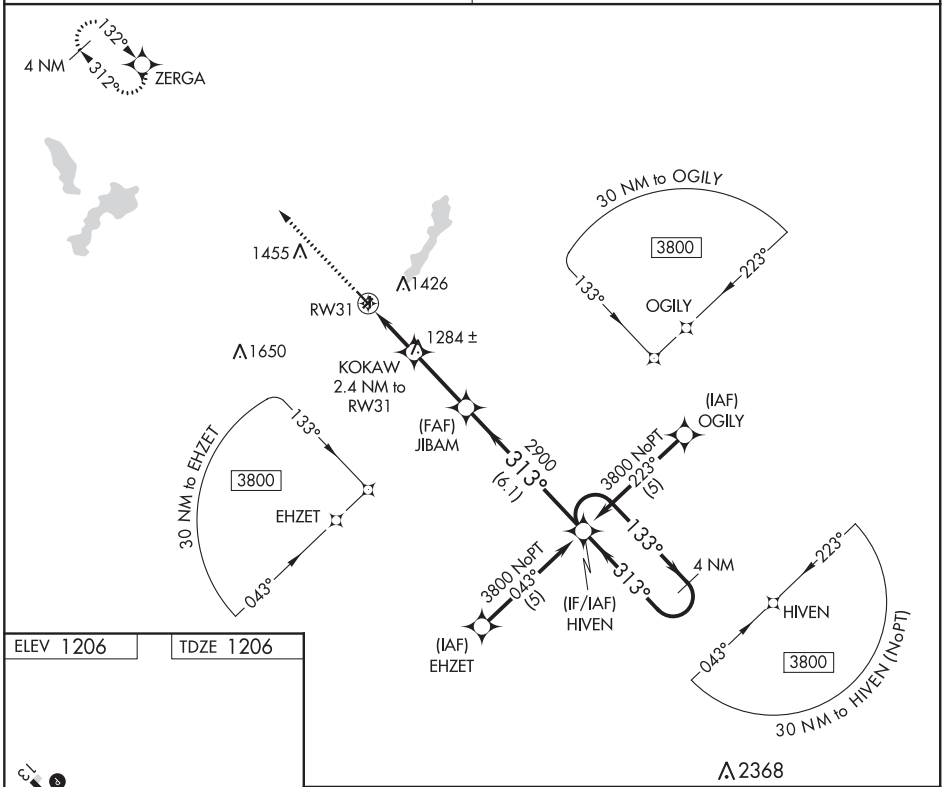
RNP APCH.

T
A NA

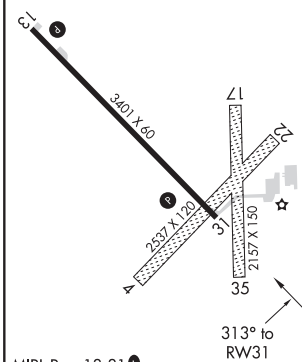
Use Algona altimeter setting, when not received, use Estherville altimeter setting. Procedure NA at night. Circling NA to Rwys 4, 17, 22 and 35. Rwy 31 visibility reduction below 1 SM NA.

MISSED APPROACH: Climb to 3800 direct ZERGA and hold.

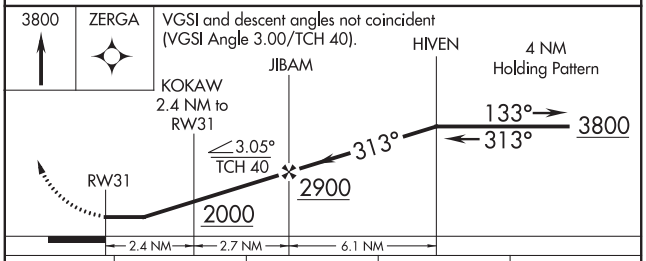
MINNEAPOLIS CENTER	UNICOM
127.75 257.7	122.8 (CTAF) L



ELEV 1206 TDZE 1206



MIRL Rwy 13-31 L
REIL Rwys 13 and 31 L



CATEGORY	A	B	C	D
LNAV MDA	1600-1 394 (400-1)		NA	
CIRCLING	1780-1 574 (600-1)	1840-1 635 (700-1)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

EMMETSBURG, IOWA | AL-6523 (FAA) | 18284

NDB RWY 13
EMMETSBURG MUNI (EGQ)

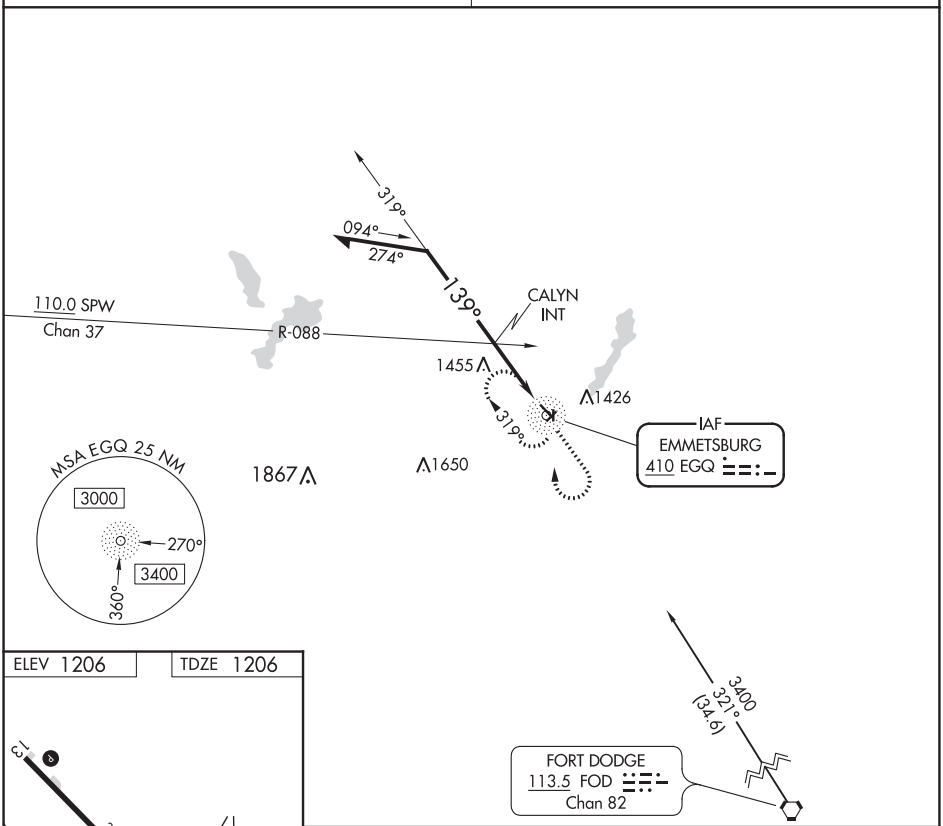
NDB EGQ	APP CRS	Rwy ldg / TDZE / Apt Elev
410	139°	3401 / 1206 / 1206

T NA

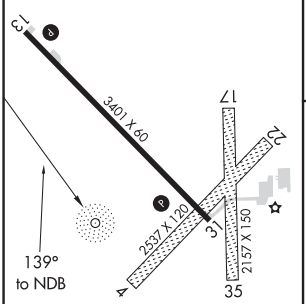
Use Algona altimeter setting, when not received, use Estherville altimeter setting. Procedure NA at night. Circling NA to Rwys 4, 17, 22, and 35. Rwy 13 visibility reduction below 1 SM NA.

MISSED APPROACH: Climb to 2500 then climbing right turn to 3100 direct EGQ NDB and hold.

MINNEAPOLIS CENTER	UNICOM
127.75 257.7	122.8 (CTAF) L

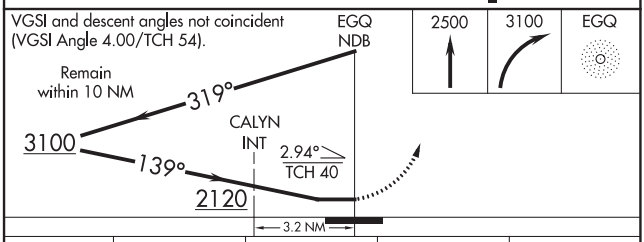


ELEV 1206 | TDZE 1206



MIRL Rwy 13-31 L
REIL Rwys 13 and 31 L

VGSI and descent angles not coincident (VGSI Angle 4.00/TCH 54).



CATEGORY	A	B	C	D
S-13	1860-1 654 (700-1)		NA	
CIRCLING	1860-1 654 (700-1)		NA	

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

NDB EGQ	APP CRS	Rwy ldg	3401
410	303°	TDZE	1206
		Apt Elev	1206

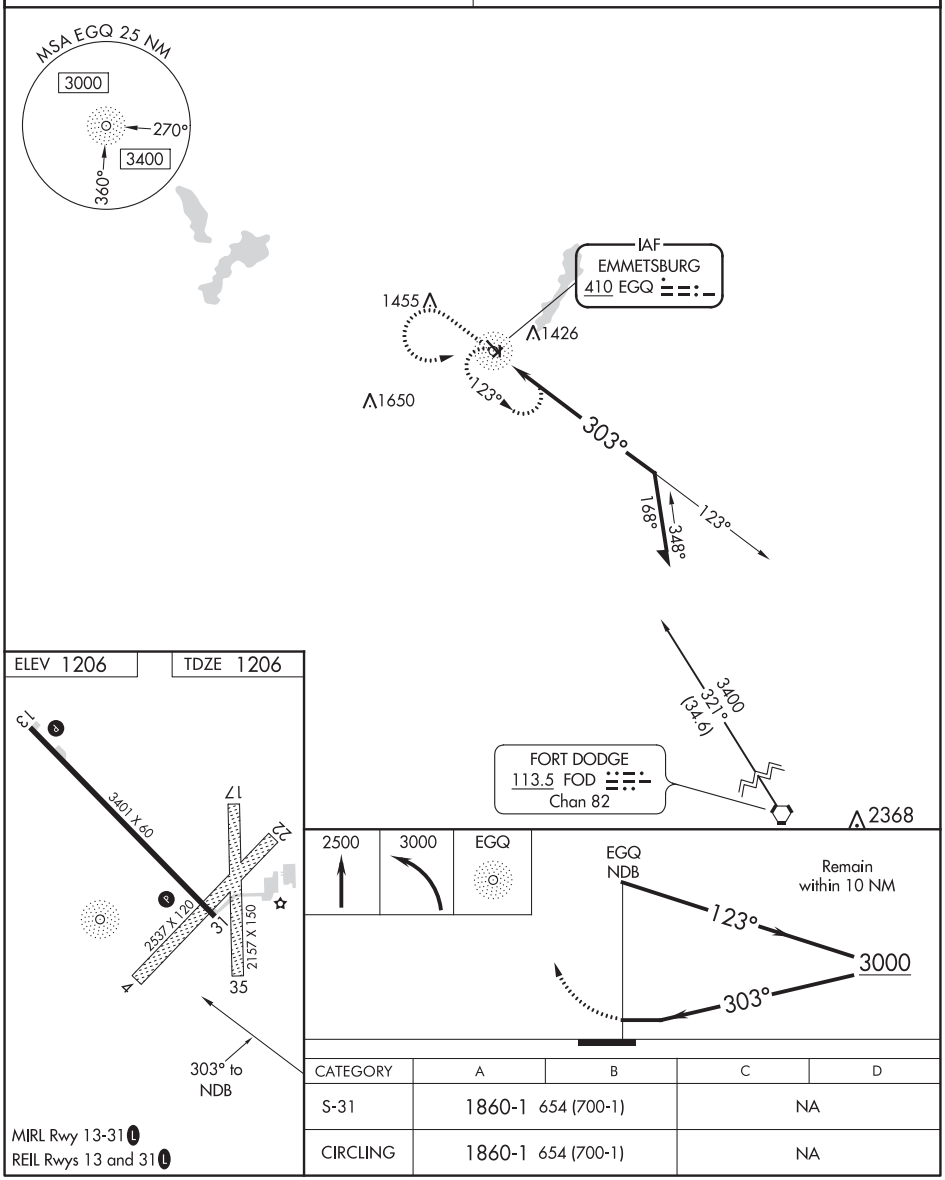
NDB RWY 31
EMMETSBURG MUNI (EGQ)

T A NA

Use Algona altimeter setting, when not received, use Estherville altimeter setting. Procedure NA at night. Circling NA to Rwys 4, 17, 22 and 35. Rwy 31 visibility reduction below 1 SM NA.

MISSED APPROACH: Climb to 2500 then climbing left turn to 3000 direct EGQ NDB and hold.

MINNEAPOLIS CENTER	UNICOM
127.75 257.7	122.8 (CTAF) L



MIRL Rwy 13-31 L
REIL Rwys 13 and 31 L

CATEGORY	A	B	C	D
S-31	1860-1 654 (700-1)		NA	
CIRCLING	1860-1 654 (700-1)		NA	

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

ESTHERVILLE, IOWA | AL-5342 (FAA) | 18340

WAAS CH **40104** **W16A**	APP CRS **169°**	Rwy ldg **4797** TDZE **1319** Apt Elev **1319**

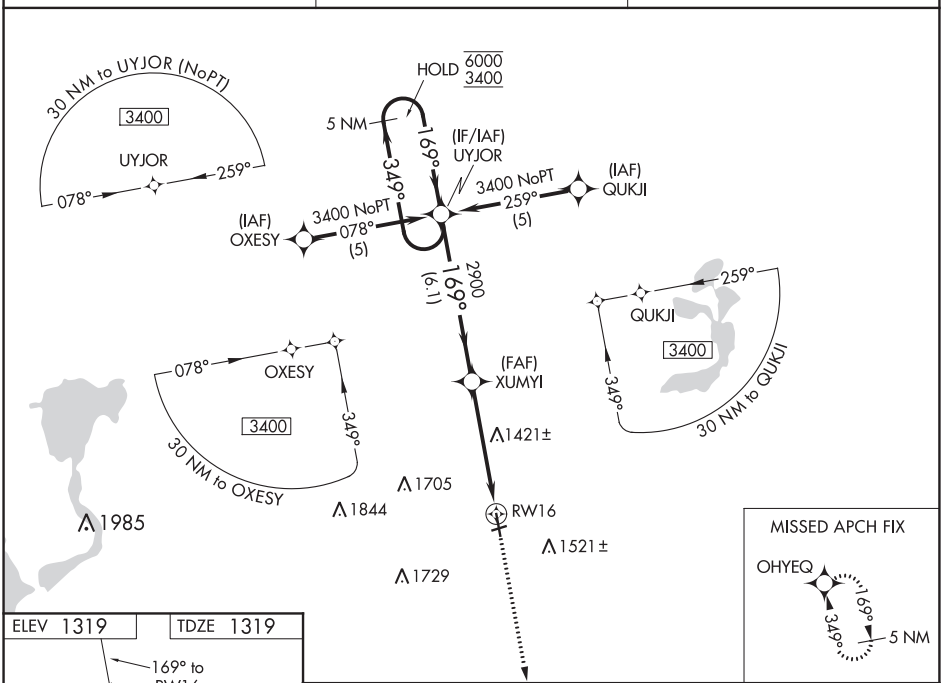
RNAV (GPS) RWY 16
ESTHERVILLE MUNI (EST)

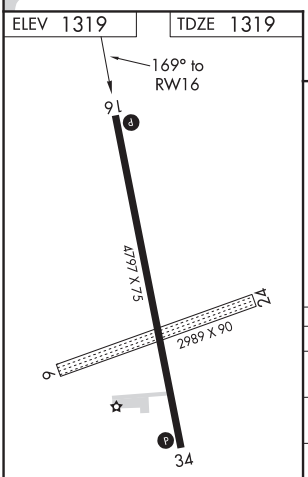
RNP APCH.

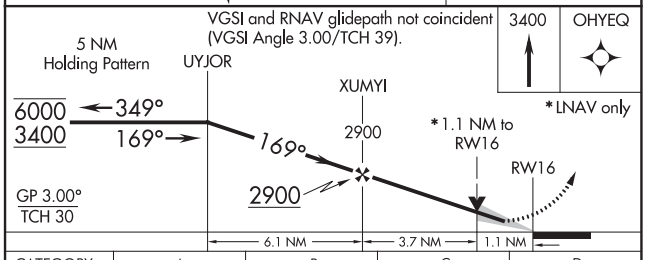
⚠ Circling NA to Rwys 6 and 24. Baro-VNAV and VDP NA when using Jackson altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 54°C. When local altimeter setting not received, use Jackson altimeter setting and increase all DA/MDA 60 feet.

MISSED APPROACH: Climb to 3400 direct OHYEQ and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
121.425	**127.75 257.7**	**122.8** (CTAF) L







CATEGORY	A	B	C	D
LPV DA	1569-1	250 (300-1)	NA	
LNAV/VNAV DA	1608-1	289 (300-1)	NA	
LNAV MDA	1720-1	401 (500-1)	NA	
C CIRCLING	1720-1 401 (500-1)	1840-1 521 (600-1)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 82304 W34A	APP CRS 349°	Rwy ldg 4797 TDZE 1319 Apt Elev 1319

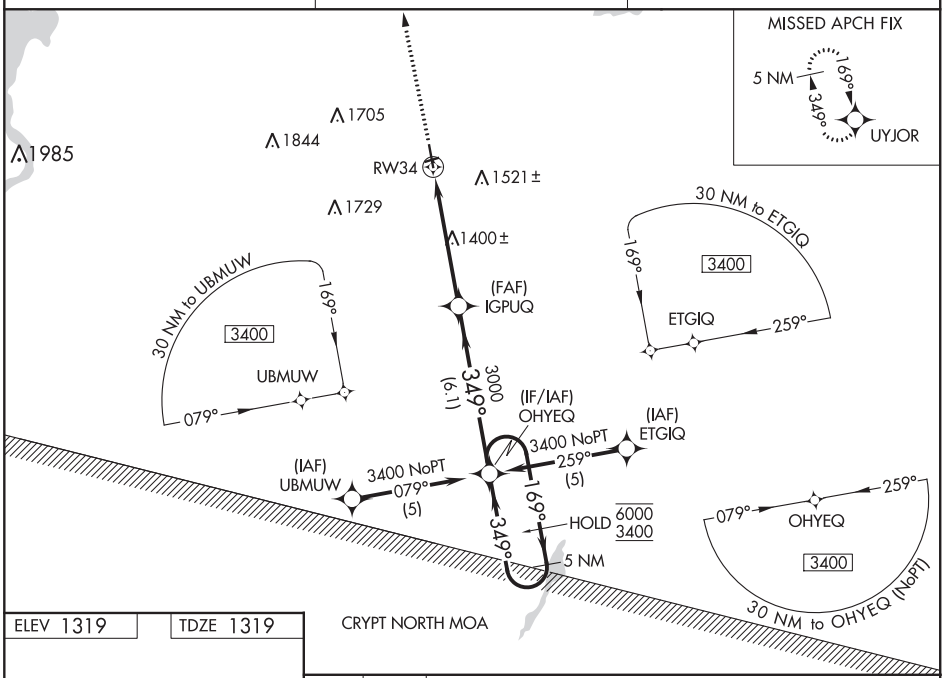
RNAV (GPS) RWY 34
ESTHERVILLE MUNI (EST)

RNP APCH.

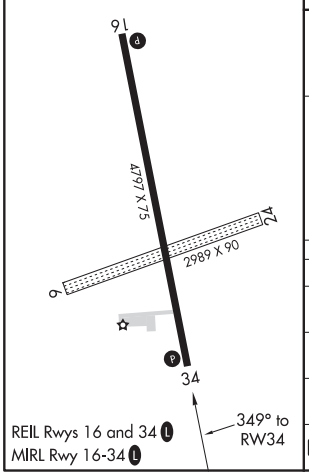
A Circling NA to Rwys 6 and 24. Baro-VNAV and VDP NA when using Jackson altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 54°C. When local altimeter not received, use Jackson altimeter setting and increase all DA/MDA 60 feet.

MISSED APPROACH: Climb to 3400 direct UYJOR and hold.

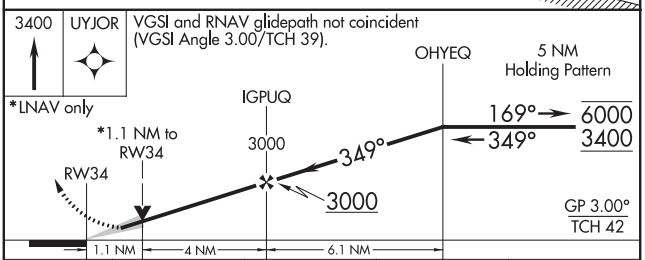
ASOS	MINNEAPOLIS CENTER	UNICOM
121.425	127.75 257.7	122.8 (CTAF) L



ELEV 1319 TDZE 1319



REIL Rwys 16 and 34 L
MIRL Rwy 16-34 L



CATEGORY	A	B	C	D
LPV DA	1569-1 250 (300-1)		NA	
LNAV/VNAV DA	1629-1 310 (400-1)		NA	
LNAV MDA	1700-1 381 (400-1)		NA	
C CIRCLING	1720-1 401 (500-1)	1840-1 521 (600-1)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

EXCELSIOR SPRINGS, MISSOURI | AL-6618 (FAA) | 20198

RNAV (GPS)-B

EXCELSIOR SPRINGS MEMORIAL (3EX)

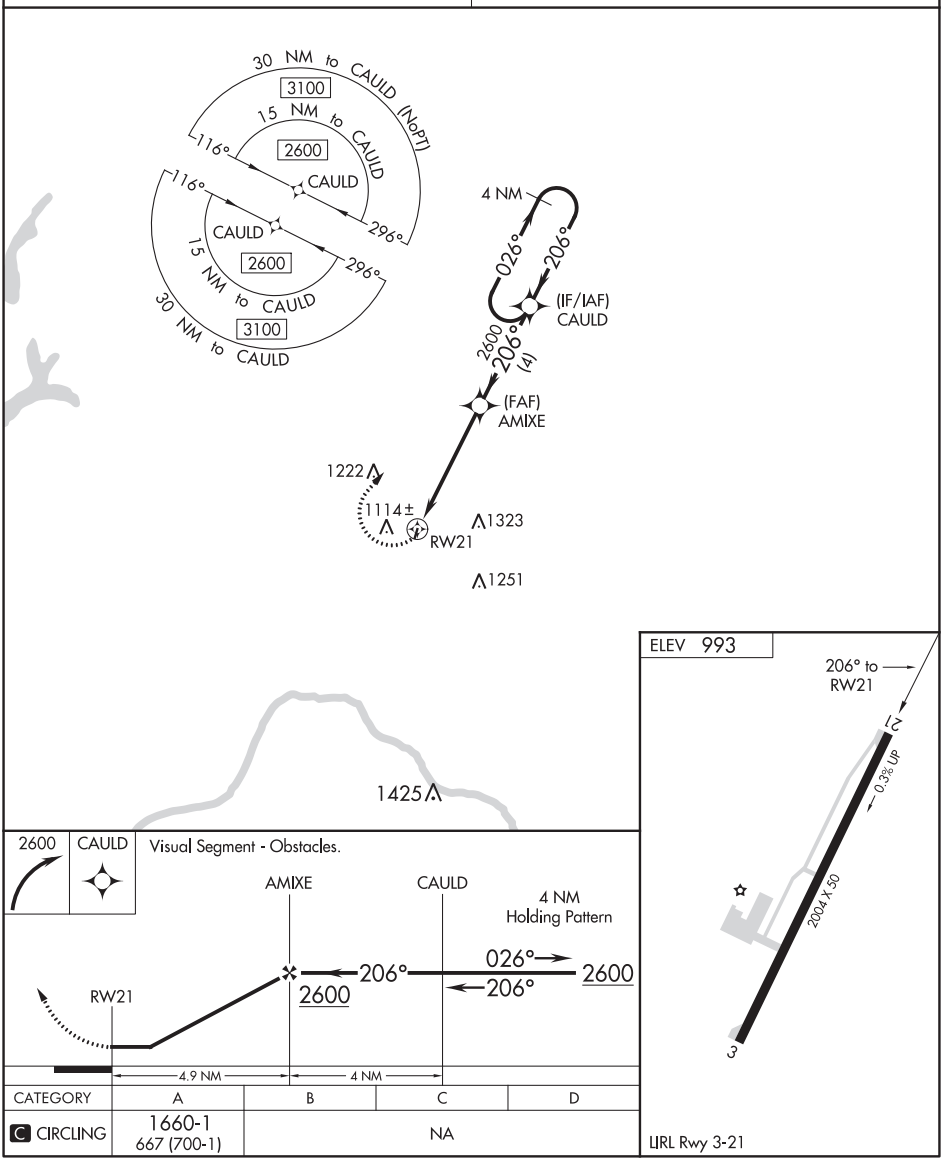
APP CRS	Rwy ldg	N/A
206°	TDZE	N/A
	Apt Elev	993

T A NA

Use Charles B Wheeler Downtown altimeter setting.
DME/DME RNP-0.3 NA.
Procedure NA at night.
Helicopter visibility reduction below 1 SM NA.

MISSED APPROACH: Climbing right turn to 2600 direct CAULD and hold.

KANSAS CITY APP CON	UNICOM
118.4 307.35	**122.7** (CTAF)



CATEGORY	A	B	C	D
C CIRCLING	1660-1 667 (700-1)	NA		

LIRL Rwy 3-21

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 82503 W18A	APP CRS 180°	Rwy ldg 5503 TDZE 801 Apt Elev 801

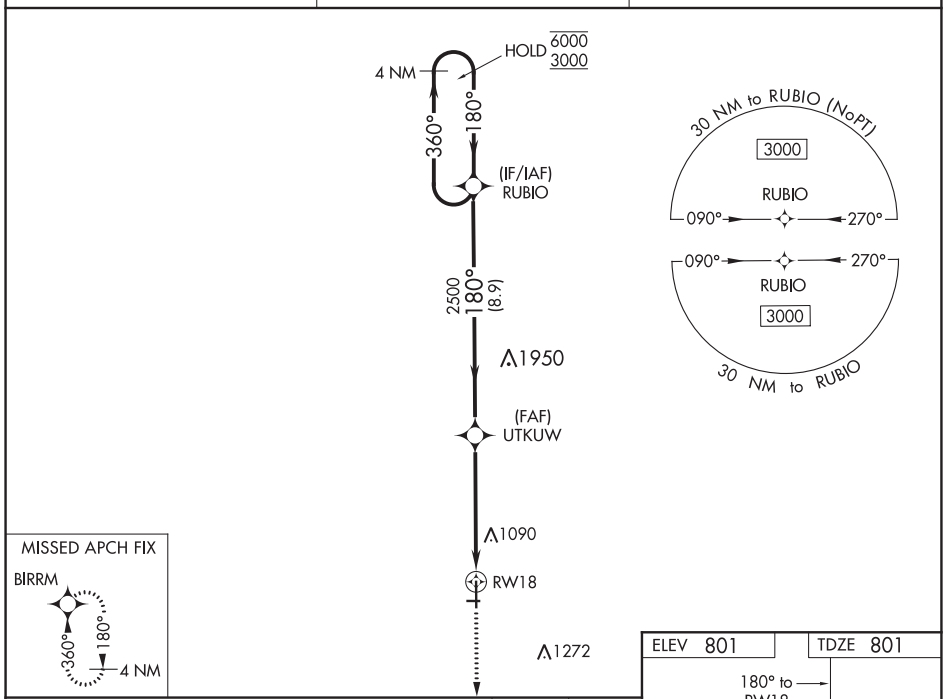
RNAV (GPS) RWY 18
FAIRFIELD MUNI (FFL)

RNP APCH.

Circling NA to Rwys 8 and 26. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16° C or above 54°C.

MISSED APPROACH: Climb to 3000 direct BIRRM and hold.

AWOS-3	CHICAGO CENTER	UNICOM
132.025	118.15 335.575	122.7 (CTAF) L



CATEGORY	A	B	C	D
LPV DA	1001-¾ 200 (200-¾)			NA
LNAV/VNAV DA	1471-1⅞ 670 (700-1⅞)			NA
LNAV MDA	1400-1 599 (600-1)		1400-1¾ 599 (600-1¾)	NA
C CIRCLING	1400-1 599 (600-1)	1440-1 639 (700-1)	1440-1¾ 639 (700-1¾)	NA

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

FAIRFIELD, IOWA | AL-5588 (FAA) | 20310

RNAV (GPS) RWY 36
FAIRFIELD MUNI (FFL)

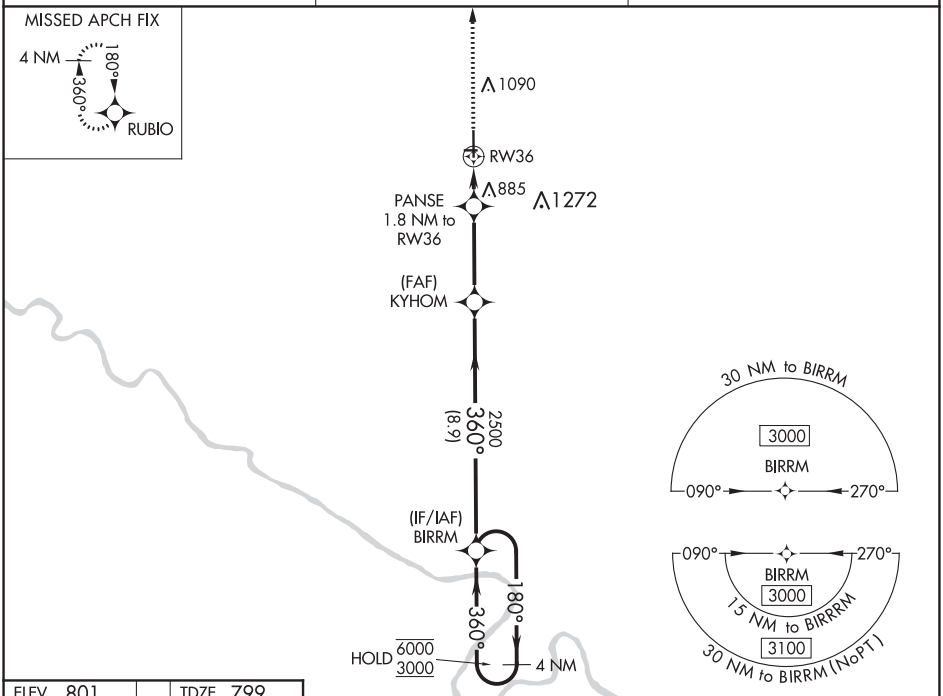
WAAS CH 72804 W36A	APP CRS 360°	Rwy ldg 5503 TDZE 799 Apt Elev 801

RNP APCH.

Circling NA to Rwys 8 and 26. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C or above 54°C.

MISSED APPROACH: Climb to 3000 direct RUBIO and hold.

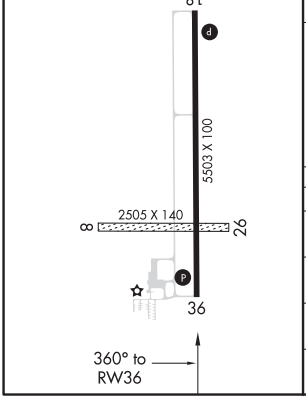
AWOS-3	CHICAGO CENTER	UNICOM
132.025	118.15 335.575	122.7 (CTAF) L

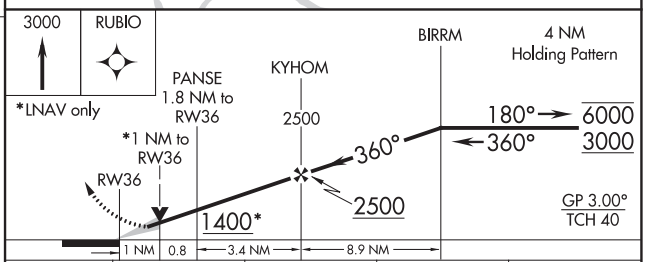


ELEV 801 | TDZE 799

REIL Rwys 18 and 36 L

MIRL Rwy 18-36 L





CATEGORY	A	B	C	D
LPV DA	999-¾ 200 (200-¾)			NA
LNAV/VNAV DA	1049-¾ 250 (300-¾)			NA
LNAV MDA	1140-1 341 (400-1)			NA
C CIRCLING	1200-1 399 (400-1)	1440-1 639 (700-1)	1440-1¾ 639 (700-1¾)	NA

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

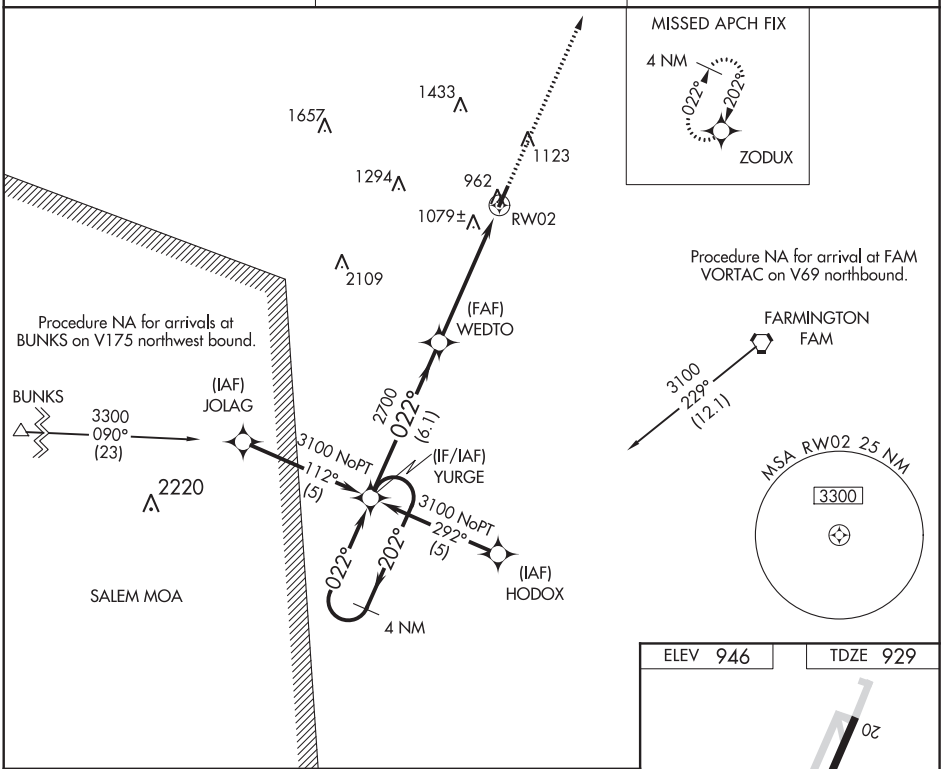
WAAS CH 61019 W02A	APP CRS 022°	Rwy ldg 3999 TDZE 929 Apt Elev 946

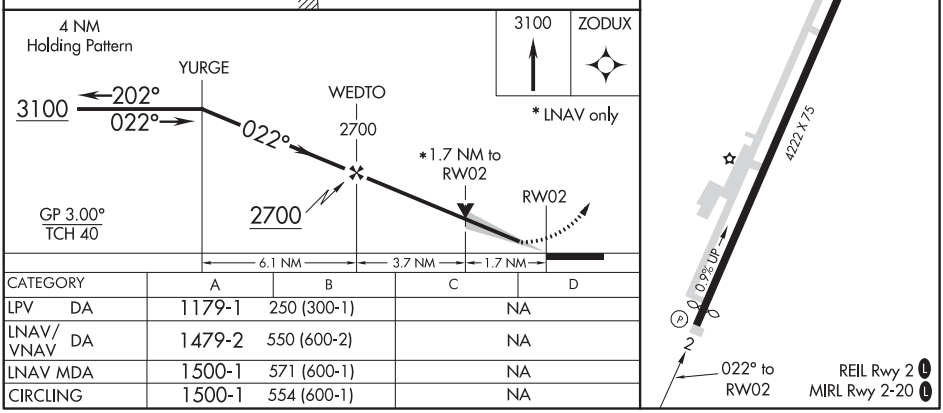
RNAV (GPS) RWY 2
FARMINGTON RGNL (FAM)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. VDP and Baro-VNAV NA when using Sparta altimeter setting. When local altimeter setting not received, use Sparta altimeter setting and increase all DA 154 feet and all MDA 160 feet; increase LPV and LNAV/VNAV all Cats visibility ½ mile. Circling to Rwy 20 NA at night.

MISSED APPROACH: Climb to 3100 direct ZODUX and hold.

AWOS-3PT	KANSAS CITY CENTER	UNICOM
119.275	127.475 346.275	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1179-1	250 (300-1)	NA	
LNAV/VNAV DA	1479-2	550 (600-2)	NA	
LNAV MDA	1500-1	571 (600-1)	NA	
CIRCLING	1500-1	554 (600-1)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

FARMINGTON, MISSOURI | AL-5696 (FAA) | 20310

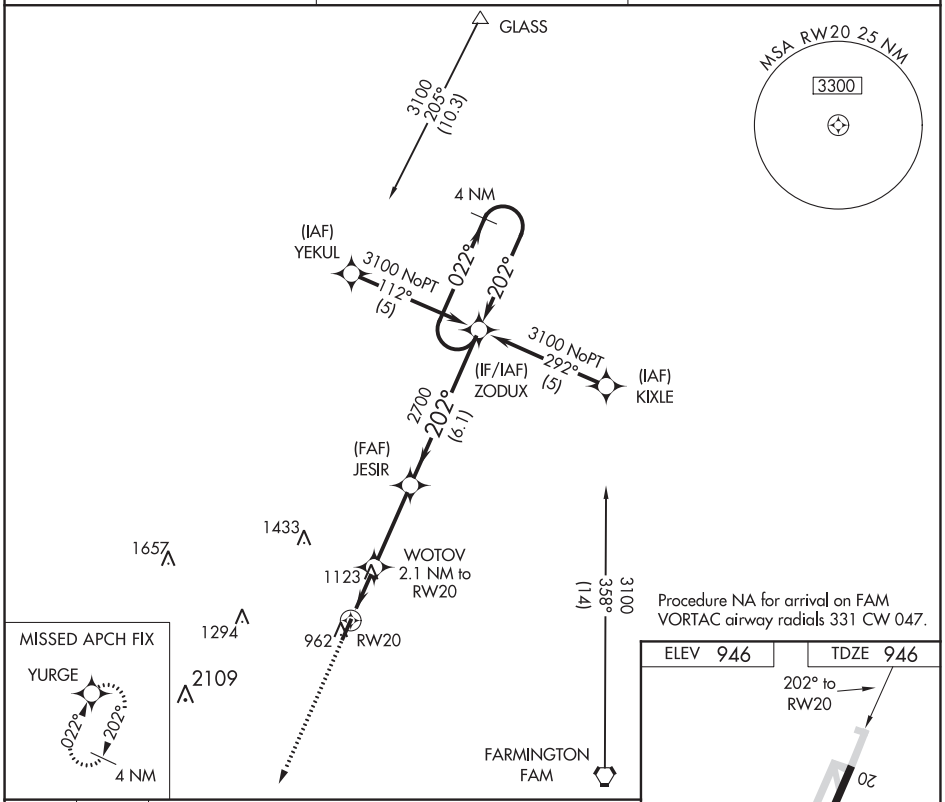
APP CRS	Rwy ldg	4222
202°	TDZE	946
	Apt Elev	946

RNAV (GPS) RWY 20
FARMINGTON RGNL (FAM)

DME/DME RNP-0.3 NA. Straight-In/Circling Rwy 20 procedure NA at night. Visibility reduction by helicopters NA. When local altimeter setting not received, use Sparta altimeter setting and increase all MDA 160 feet.

MISSED APPROACH: Climb to 3100 direct YURGE and hold.

AWOS-3PT	KANSAS CITY CENTER	UNICOM
119.275	127.475 346.275	122.8 (CTAF) L



CATEGORY	A	B	C	D
LNAV MDA	1440-1	494 (500-1)	NA	
CIRCLING	1440-1	494 (500-1)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021

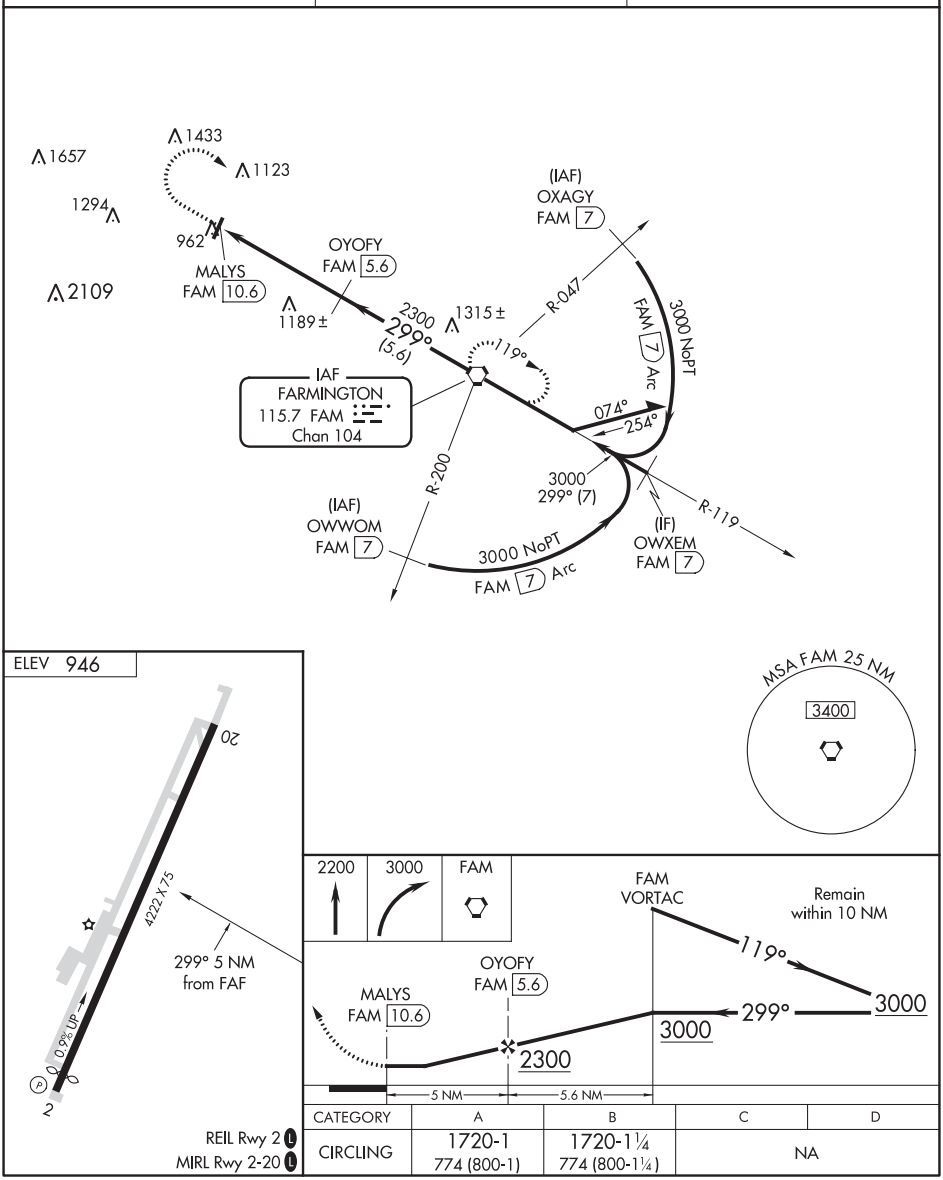
NC-3, 25 FEB 2021 to 22 APR 2021

VORTAC FAM 115.7 Chan 104	APP CRS 299°	Rwy ldg N/A TDZE N/A Apt Elev 946

VOR/DME-A
FARMINGTON RGNL (FAM)

T A NA Circling to Rwy 20 NA at night. When local altimeter setting not received, use Sparta altimeter setting and increase all MDA 160 feet and Cat A visibility ¼ mile.	MISSED APPROACH: Climb to 2200 then climbing right turn to 3000 direct FAM VORTAC and hold.

AWOS-3PT	KANSAS CITY CENTER	UNICOM
119.275	127.475 346.275	122.8 (CTAF) L



CATEGORY	A	B	C	D
CIRCLING	1720-1 774 (800-1)	1720-1¼ 774 (800-1¼)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

FESTUS, MISSOURI | AL-6011 (FAA) | 20310

RNAV (GPS)-A
FESTUS MEMORIAL (FES)

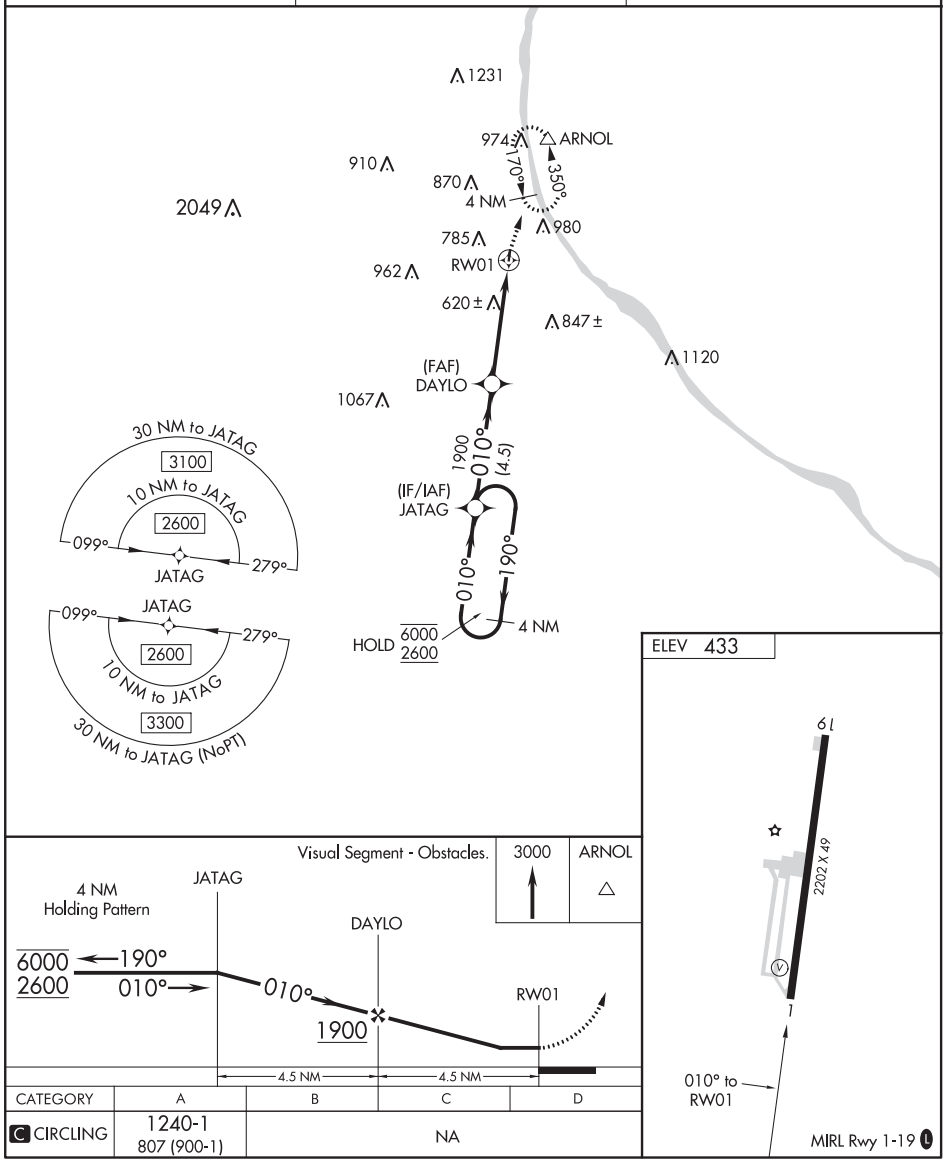
APP CRS	Rwy ldg	N/A
010°	TDZE	N/A
	Apt Elev	433

RNP APCH.

Procedure NA at night. Use Cahokia/St Louis altimeter setting; when not received, use Spirit of St Louis altimeter setting and increase MDA 20 feet.

MISSED APPROACH: Climb to 3000 direct ARNOL and hold, continue climb-in-hold to 3000.

CPS ASOS	ST. LOUIS APP CON	UNICOM
121.45	123.7 371.875	122.7 (CTAF)



CATEGORY	A	B	C	D
C CIRCLING	1240-1 807 (900-1)	NA		

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 90428 W15A	APP CRS 152°	Rwy ldg 5196 TDZE 1204 Apt Elev 1229

RNAV (GPS) RWY 15

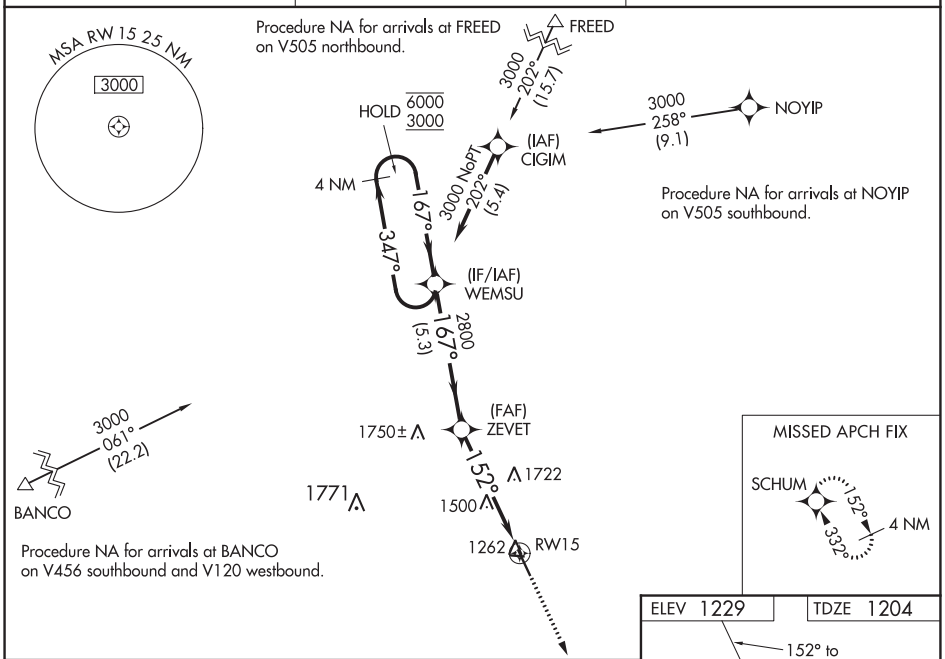
FOREST CITY MUNI (FXY)

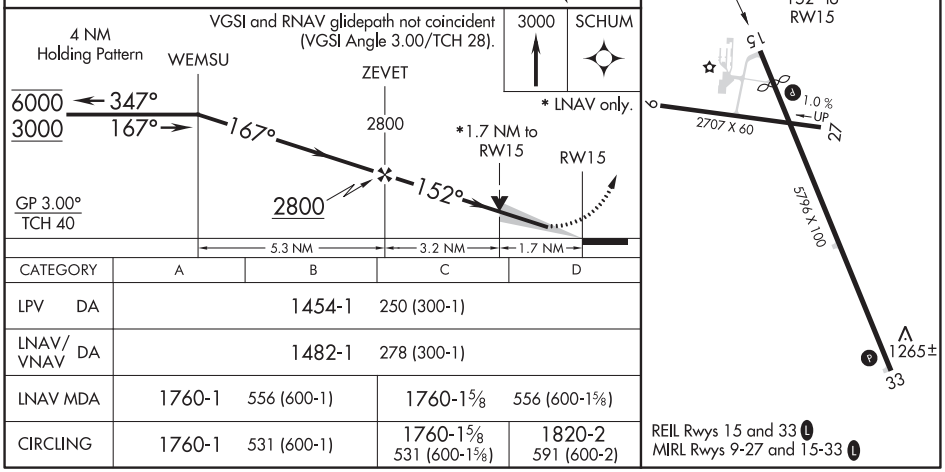
RNP APCH.

Circling to Rwy 9, 27 and 33 NA at night. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -29°C or above 54°C. When local altimeter setting not received, use Mason City altimeter setting and increase all DA 34 feet and all MDA 40 feet, increase LNAV Cats C and D visibility to 1¾ SM, and Circling Cat C visibility to 1¾ SM. VDP and Baro-VNAV NA when using Mason City altimeter setting.

MISSED APPROACH: Climb to 3000 direct to SCHUM and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
123.925	127.3 257.675	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1454-1 250 (300-1)			
LNAV/VNAV DA	1482-1 278 (300-1)			
LNAV MDA	1760-1 556 (600-1)		1760-1⅝ 556 (600-1⅝)	
CIRCLING	1760-1 531 (600-1)		1760-1⅝ 531 (600-1⅝)	1820-2 591 (600-2)

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

FOREST CITY, IOWA | AL-6092 (FAA) | 20310

WAAS CH 78016 W33A	APP CRS 332°	Rwy ldg 5796 TDZE 1203 Apt Elev 1229

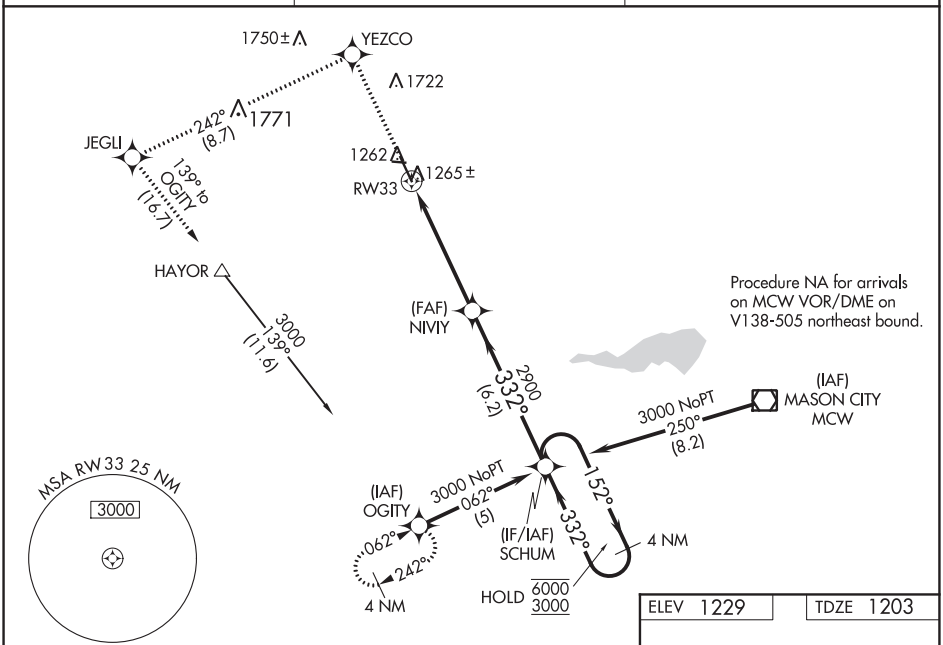
RNAV (GPS) RWY 33
FOREST CITY MUNI (FXY)

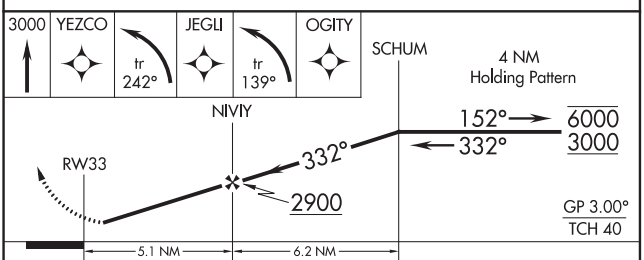
RNP APCH.

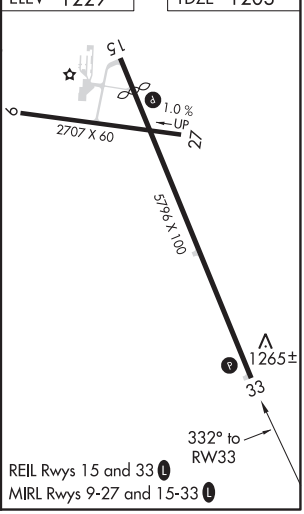
Rwy 33 helicopter visibility reduction below 1 SM NA. Baro-VNAV NA when using Mason City altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 54°C. When local altimeter setting not received, use Mason City altimeter setting and increase all DA 34 feet and all MDA 40 feet. Straight-in Rwy 33 NA at night, Circling Rwy 9, 27 33 NA at night.

MISSED APPROACH: Climb to 3000 direct YEZCO and left turn on track 242° to JEGLI and left turn on track 139° to OGITY and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
123.925	127.3 257.675	122.8 (CTAF) L







CATEGORY	A	B	C	D
LPV DA	1453-1 250 (300-1)			
LNAV/VNAV DA	1535-1¼ 332 (400-1¼)			
LNAV MDA	1520-1 317 (300-1)			
CIRCLING	1680-1 451 (500-1)	1760-1 531 (600-1)	1760-1½ 531 (600-1½)	1820-2 591 (600-2)

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

VOR/DME MCW 114.9 Chan 96	APP CRS 297°	Rwy ldg N/A TDZE N/A Apt Elev 1229

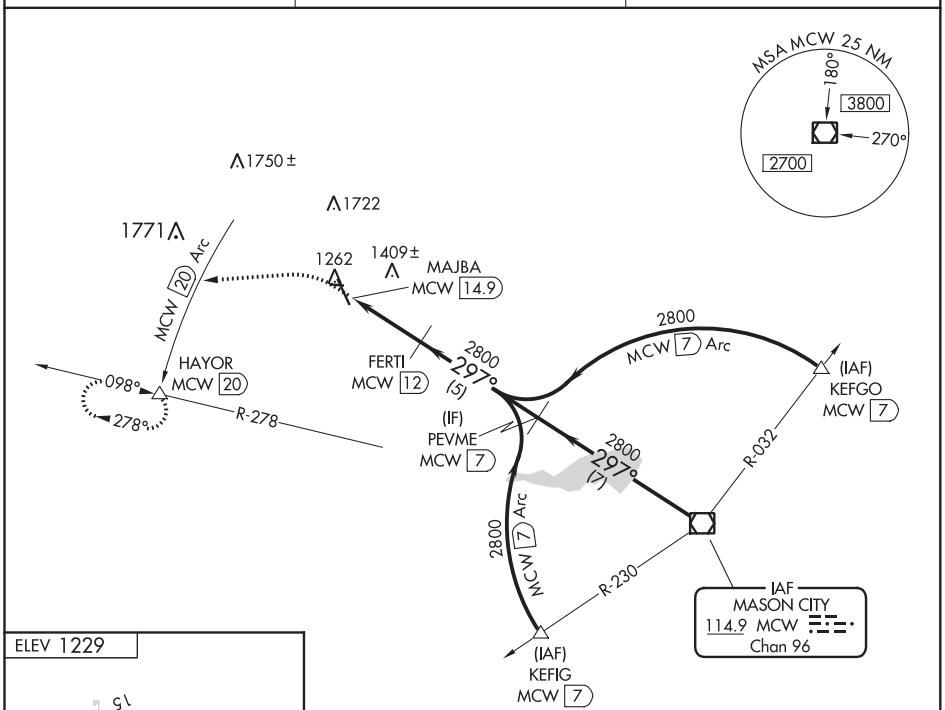
VOR-A
FOREST CITY MUNI (FXY)

DME required.

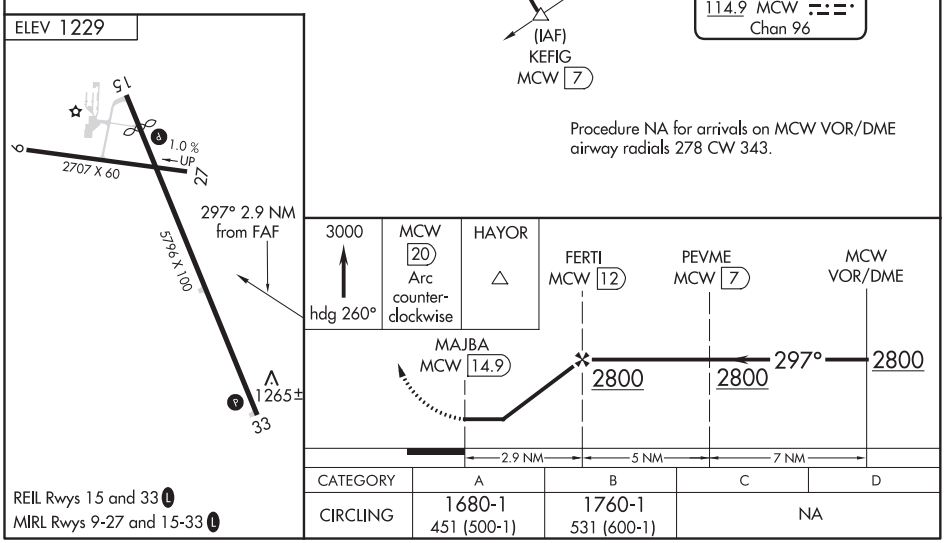
When local altimeter setting not received use Mason City altimeter setting and increase all MDA 40 feet.
Circling to Rwy 9, 27 33 NA at night.

MISSED APPROACH: Climb to 3000 on heading 260° to MCW 20 DME Arc and on MCW 20 DME Arc counterclockwise to HAYOR/20 DME and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
123.925	127.3 257.675	122.8 (CTAF) L



Procedure NA for arrivals on MCW VOR/DME airway radials 278 CW 343.



CATEGORY	A	B	C	D
CIRCLING	1680-1 451 (500-1)	1760-1 531 (600-1)	NA	

REIL Rwys 15 and 33 L
MIRL Rwys 9-27 and 15-33 L

NC-3, 25 FEB 2021 to 22 APR 2021

FORT DODGE, IOWA — AL-976 (FAA) — 19115

LOC I-FOD	APP CRS	Rwy ldg	6547
109.1	063°	TDZE	1107
		Apt Elev	1157

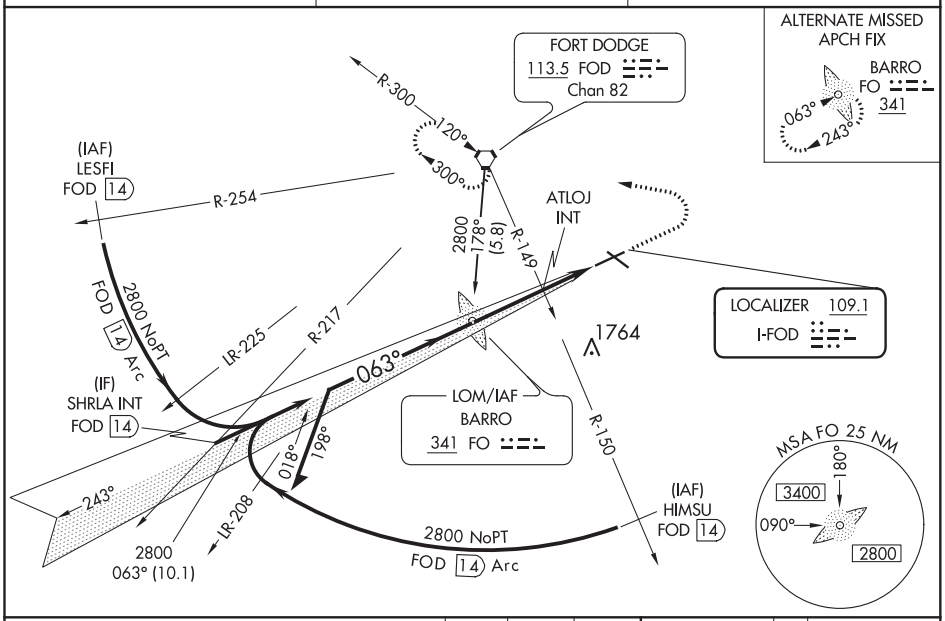
ILS or LOC RWY 6
FORT DODGE RGNL (FOD)

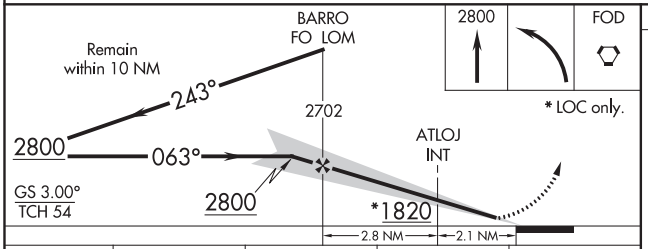
T A NA — When local altimeter setting not received, use Webster City altimeter setting and increase all DA 42 feet and all MDA 60 feet, increase S-LOC and Circling visibility Cats B/C/D ¼ mile. For inoperative MALSR when using Webster City altimeter setting, increase S-ILS visibility all Cats to 1 mile.

MALSR

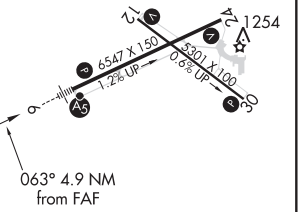
MISSED APPROACH: Climb to 2800 then left turn direct FOD VORTAC and hold.

AWOS-3PT	MINNEAPOLIS CENTER	UNICOM
118.775	134.0 288.3	123.0 (CTAF) L





ELEV 1157 — D — TDZE 1107



MIRL Rwy 12-30 L
REIL Rwys 12, 24 and 30 L
HIRL Rwy 6-24 L

CATEGORY	A	B	C	D
S-ILS 6	1307-½ 200 (200-½)			
S-LOC 6	1820-½ 713 (700-½)		1820-1½ 713 (700-1½)	1820-1¾ 713 (700-1¾)
CIRCLING	1820-1 663 (700-1)		1820-2 663 (700-2)	1820-2¼ 663 (700-2¼)
ATLOJ FIX MINIMUMS (DUAL VOR RECEIVERS REQUIRED)				
S-LOC 6	1400-½ 293 (300-½)			1400-¾ 293 (300-¾)
CIRCLING	1560-1 403 (500-1)	1620-1 463 (500-1)	1620-1½ 463 (500-1½)	1720-2 563 (600-2)

FAF to MAP 4.9 NM

Knots	60	90	120	150	180
Min:Sec	4:54	3:16	2:27	1:58	1:38

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 61015 W06A	APP CRS 063°	Rwy ldg 6547 TDZE 1107 Apt Elev 1157

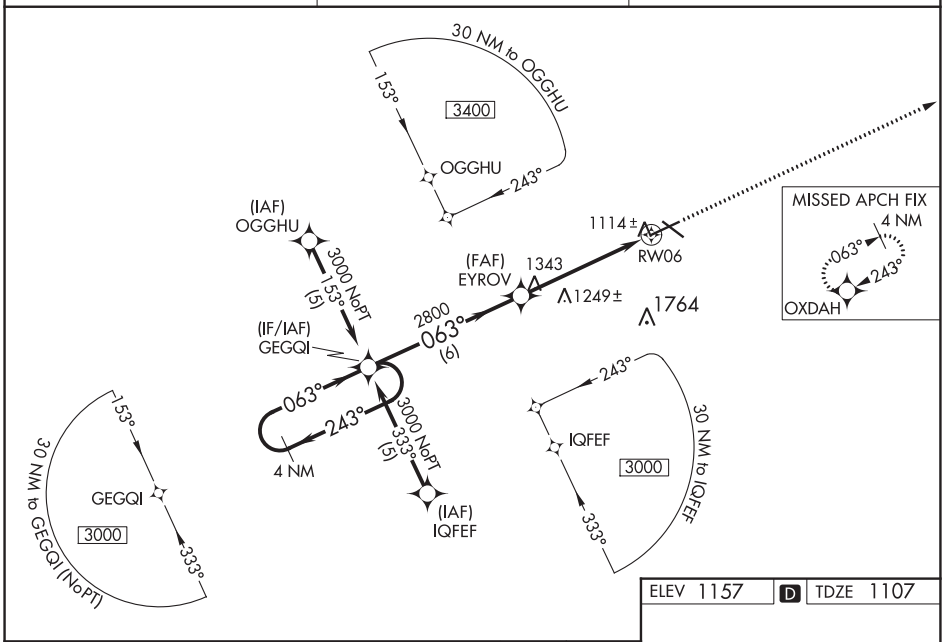
RNAV (GPS) RWY 6
FORT DODGE RGNL (FOD)

Baro-VNAV NA when using Webster City altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 46°C (114°F). DME/DME RNP-0.3 NA. VDP NA when using Webster City altimeter setting. When local altimeter setting not received, use Webster City altimeter setting and increase all DA 42 feet and all MDA 60 feet, increase visibility LNAV-VNAV all Cats and LNAV Cats C and D ¼ mile. For inoperative MALSR when using Webster City altimeter setting, increase LPV all Cats visibility to 1 mile.

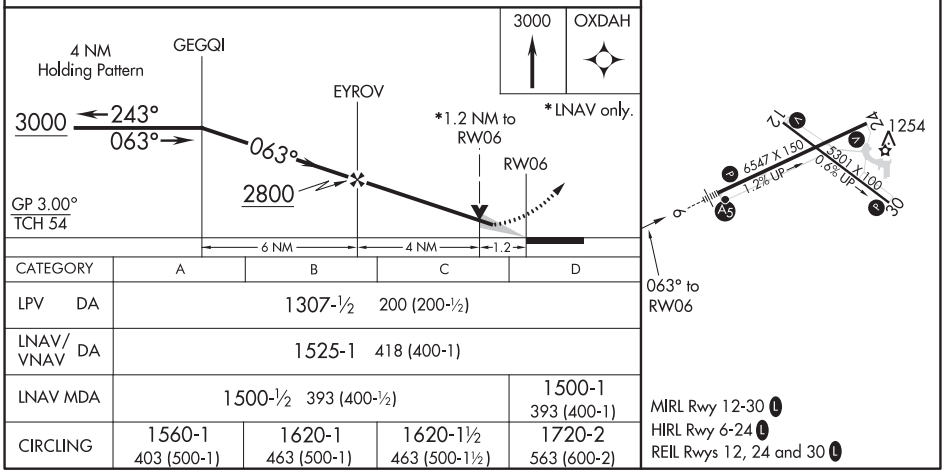
MALSR

MISSED APPROACH: Climb to 3000 direct OXDAH and hold.

AWOS-3PT	MINNEAPOLIS CENTER	UNICOM
118.775	134.0 288.3	123.0 (CTAF) L



ELEV 1157 D TDZE 1107



CATEGORY	A	B	C	D
LPV DA	1307-½ 200 (200-½)			
LNAV/VNAV DA	1525-1 418 (400-1)			
LNAV MDA	1500-½ 393 (400-½)			1500-1 393 (400-1)
CIRCLING	1560-1 403 (500-1)	1620-1 463 (500-1)	1620-1½ 463 (500-1½)	1720-2 563 (600-2)

MIRL Rwy 12-30 L
HIRL Rwy 6-24 L
REIL Rwys 12, 24 and 30 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

FORT DODGE, IOWA | AL-976 (FAA) | 19115

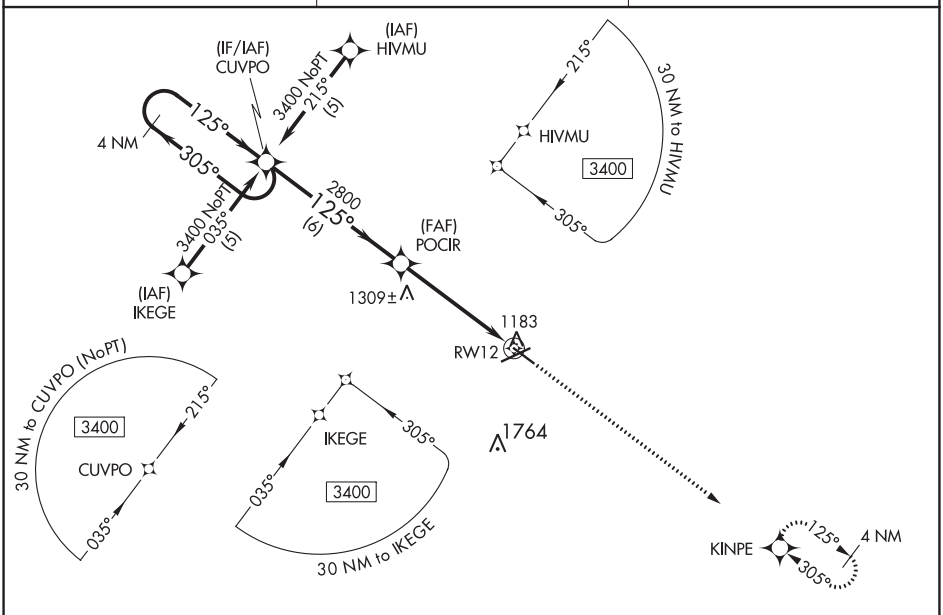
WAAS CH 99615 W12A	APP CRS 125°	Rwy ldg 5301 TDZE 1128 Apt Elev 1157

RNAV (GPS) RWY 12
FORT DODGE RGNL (FOD)

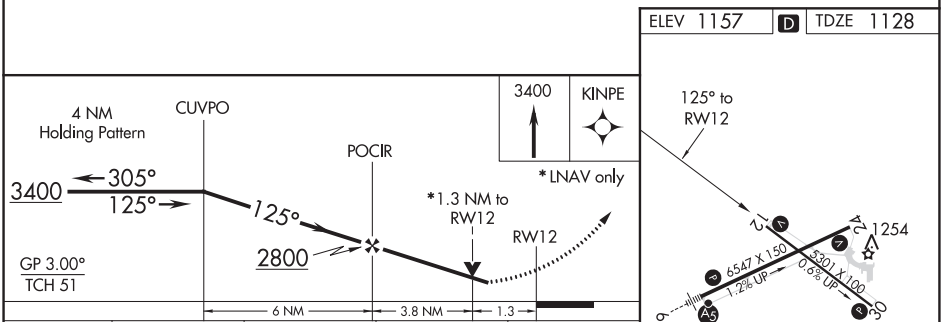
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Webster City altimeter setting and increase all DA 42 feet and all MDA 60 feet, increase LPV visibility all Cats ¼ mile. VDP and Baro-VNAV NA when using Webster City altimeter setting.

MISSED APPROACH: Climb to 3400 direct KINPE and hold.

AWOS-3PT	MINNEAPOLIS CENTER	UNICOM
118.775	134.0 288.3	123.0 (CTAF) L



ELEV 1157 | D | TDZE 1128



CATEGORY	A	B	C	D
LPV DA	1405-1 277 (300-1)			
LNAV/VNAV DA	1453-1¼ 325 (300-1¼)			
LNAV MDA	1560-1 432 (500-1)		1560-1¼ 432 (500-1¼)	1560-1½ 432 (500-1½)
CIRCLING	1560-1 403 (500-1)	1620-1 463 (500-1)	1620-1½ 463 (500-1½)	1720-2 563 (600-2)

MIRL Rwy 12-30 L
HIRL Rwy 6-24 L
REIL Rwys 12, 24 and 30 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 45815 W24A	APP CRS 243°	Rwy ldg 6547 TDZE 1156 Apt Elev 1157

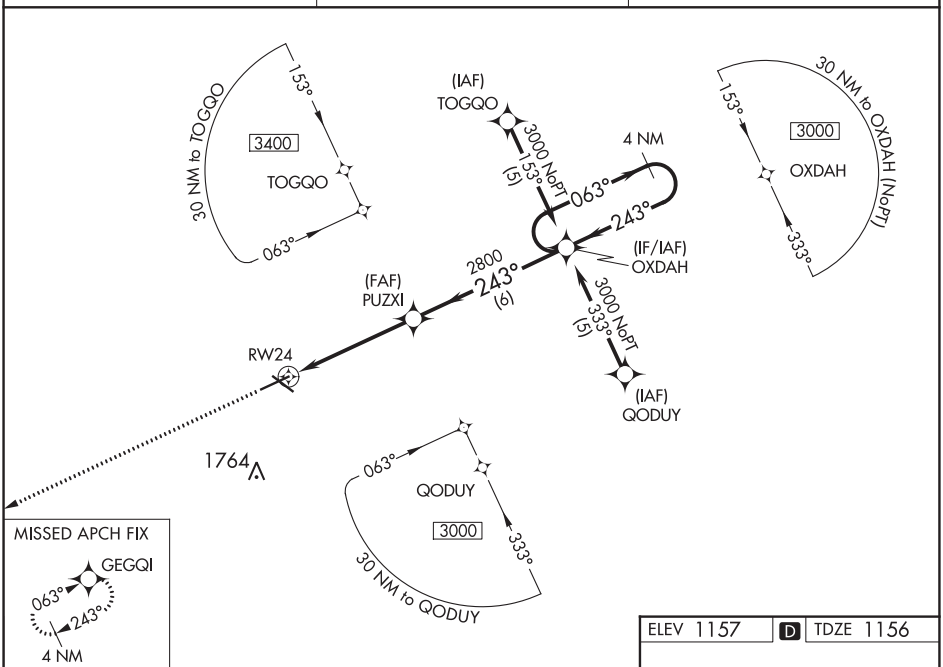
RNAV (GPS) RWY 24
FORT DODGE RGNL (FOD)

RNP APCH.

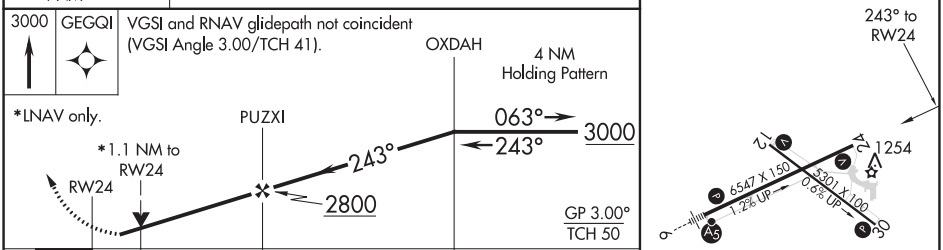
Baro-VNAV and VDP NA when using Webster City altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 46°C. When local altimeter setting not received, use Webster City altimeter setting and increase all DA 42 feet and all MDA 60 feet, increase LNAV Cats C and D visibility ¼ mile.

MISSED APPROACH: Climb to 3000 direct GEGQI and hold.

AWOS-3PT	MINNEAPOLIS CENTER	UNICOM
118.775	134.0 288.3	123.0 (CTAF) L



ELEV 1157 D TDZE 1156



CATEGORY	A	B	C	D
LPV DA	1406-1 250 (300-1)			
LNAV/VNAV DA	1504-1¼ 348 (400-1¼)			
LNAV MDA	1560-1 404 (500-1)		1560-1⅛ 404 (500-1⅛)	1560-1¼ 404 (500-1¼)
CIRCLING	1560-1 403 (500-1)	1620-1 463 (500-1)	1620-1½ 463 (500-1½)	1720-2 563 (600-2)

HIRL Rwy 6-24 L
MIRL Rwy 12-30 L
REIL Rwys 12, 24 and 30 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

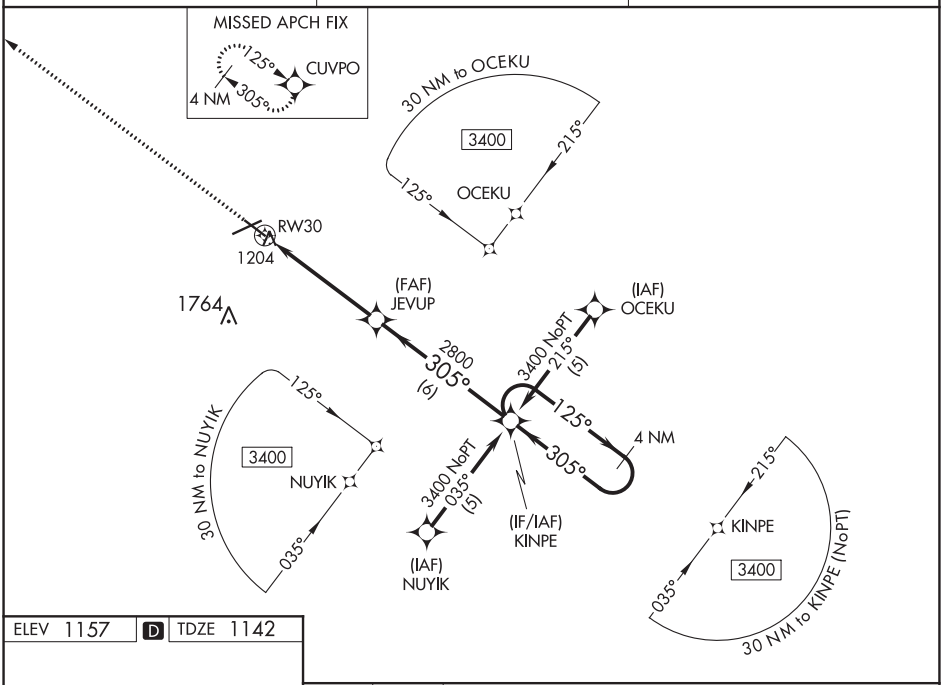
WAAS CH 82615 W30A	APP CRS 305°	Rwy ldg 5301 TDZE 1142 Apt Elev 1157

RNAV (GPS) RWY 30
FORT DODGE RGNL (FOD)

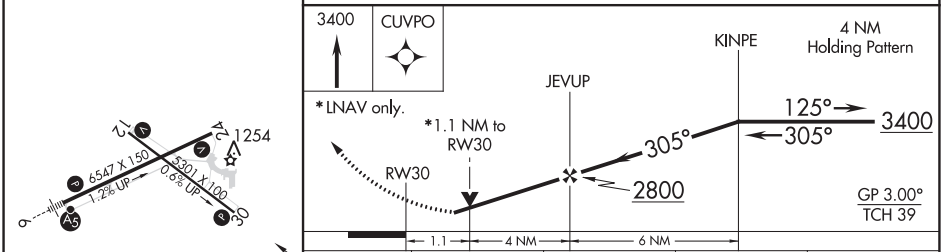
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Helicopter visibility below ¾ SM NA. VDP and Baro-VNAV NA when using Webster City altimeter setting. When local altimeter setting not received, use Webster City altimeter setting and increase all DA 42 feet and all MDA 60 feet, increase LPV all Cats and LNAV Cats C and D visibility ¼ mile.

MISSED APPROACH: Climb to 3400 direct CUVPO and hold.

AWOS-3PT	MINNEAPOLIS CENTER	UNICOM
118.775	134.0 288.3	123.0 (CTAF) L



ELEV 1157 D TDZE 1142



CATEGORY	A	B	C	D
LPV DA	1424-1 282 (300-1)			
LNAV/VNAV DA	1474-1¼ 332 (400-1¼)			
LNAV MDA	1520-1 378 (400-1)			1520-1¼ 378 (400-1¼)
CIRCLING	1560-1 403 (500-1)	1620-1 463 (500-1)	1620-1½ 463 (500-1½)	1720-2 563 (600-2)

MIRL Rwy 12-30 L
HIRL Rwy 6-24 L
REIL Rwys 12, 24 and 30 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

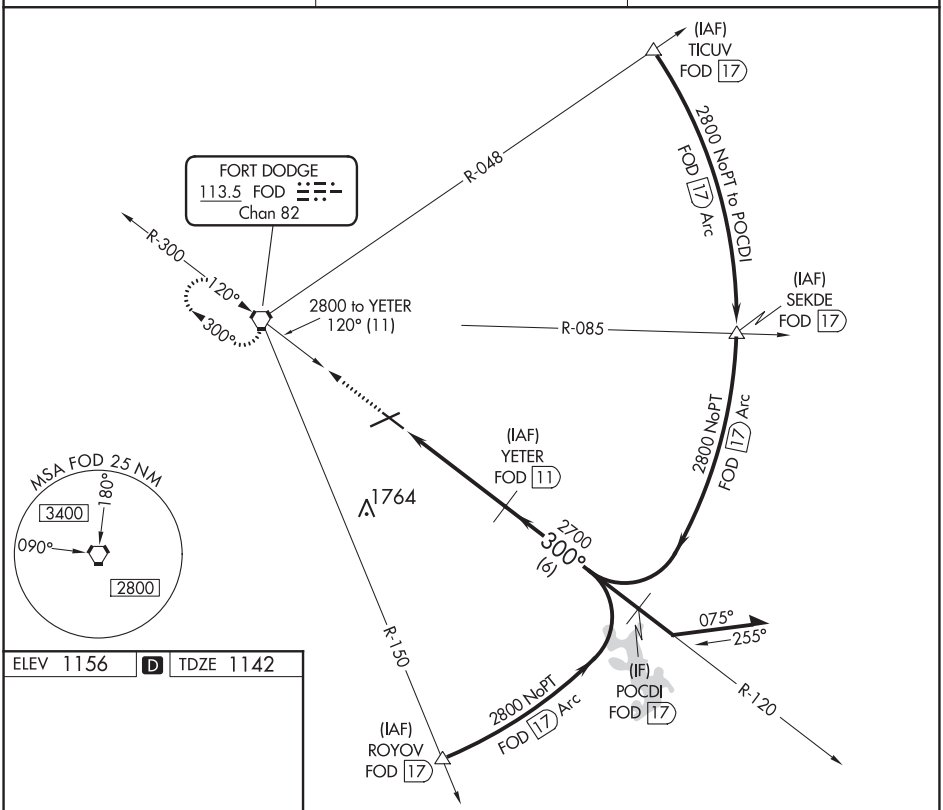
VOR/DME RWY 30
FORT DODGE RGNL (FOD)

VORTAC FOD	APP CRS	Rwy ldg	5301
113.5	300°	TDZE	1142
Chan 82		Apt Elev	1156

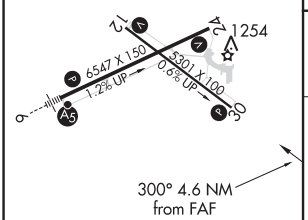
When local altimeter setting not received, use Webster City altimeter setting and increase all MDA 60 feet. Helicopter visibility reduction below ¾ SM NA.

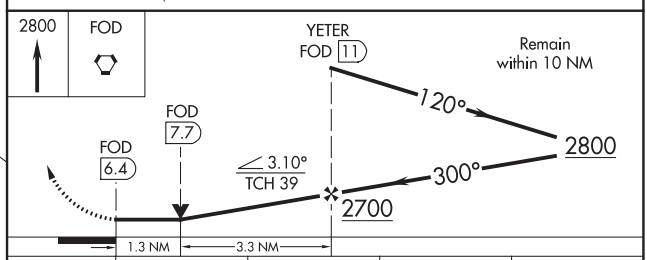
MISSED APPROACH: Climb to 2800 direct FOD VORTAC and hold.

AWOS-3PT	MINNEAPOLIS CENTER	UNICOM
118.775	134.0 288.3	123.0 (CTAF) L



ELEV 1156 | D | TDZE 1142





CATEGORY	A	B	C	D
S-30	1600-1 458 (500-1)		1600-1⅜ 458 (500-1⅜)	
CIRCLING	1600-1 444 (500-1)	1620-1 464 (500-1)	1620-1½ 464 (500-1½)	1720-2 564 (600-2)

MIRL Rwy 12-30 L
REIL Rwys 12, 24 and 30 L
HIRL Rwy 6-24 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

FORT DODGE, IOWA | AL-976 (FAA) | 19115

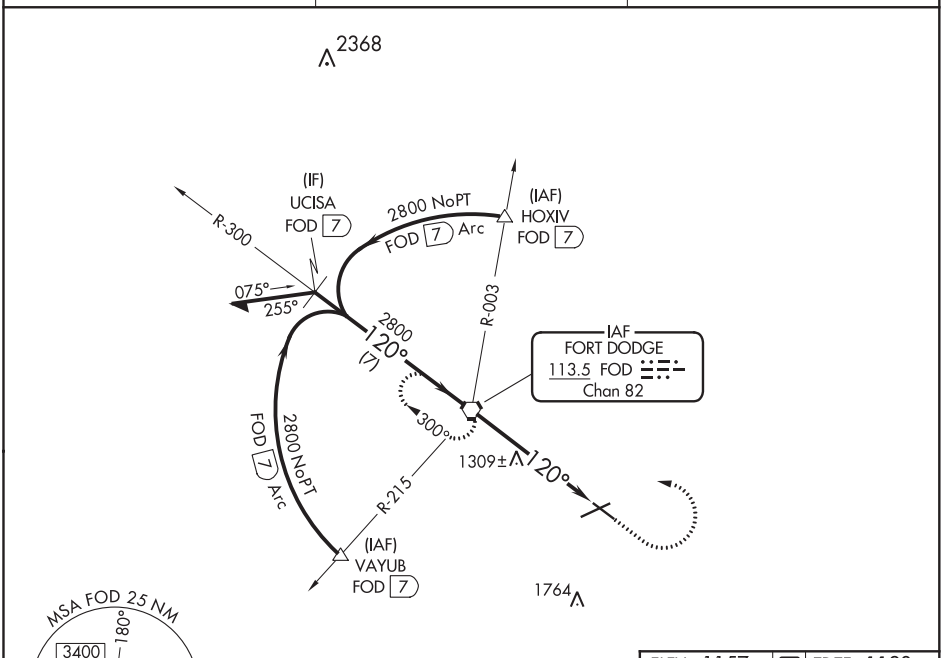
VOR RWY 12
FORT DODGE RGNL (FOD)

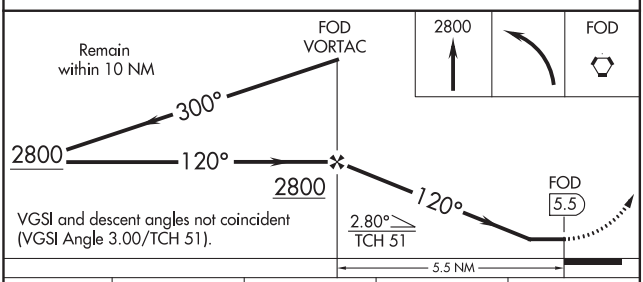
VORTAC FOD	APP CRS	Rwy ldg	5301
113.5	120°	TDZE	1128
Chan 82		Apt Elev	1157

If local altimeter setting not received, use Webster City altimeter setting and increase all MDAs 60 feet. Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 2800 then left turn direct FOD VORTAC and hold.

AWOS-3PT	MINNEAPOLIS CENTER	UNICOM
118.775	134.0 288.3	123.0 (CTAF) L

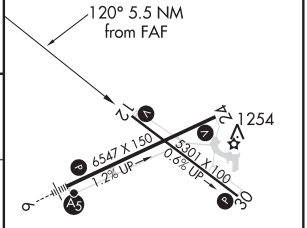




VGSI and descent angles not coincident (VGSI Angle 3.00/TCH 51).

CATEGORY	A	B	C	D
S-12	1560-1 432 (500-1)		1560-1¼ 432 (500-1¼)	1560-1½ 432 (500-1½)
CIRCLING	1560-1 403 (500-1)	1620-1 463 (500-1)	1620-1½ 463 (500-1½)	1720-2 563 (600-2)

ELEV 1157 | D | TDZE 1128



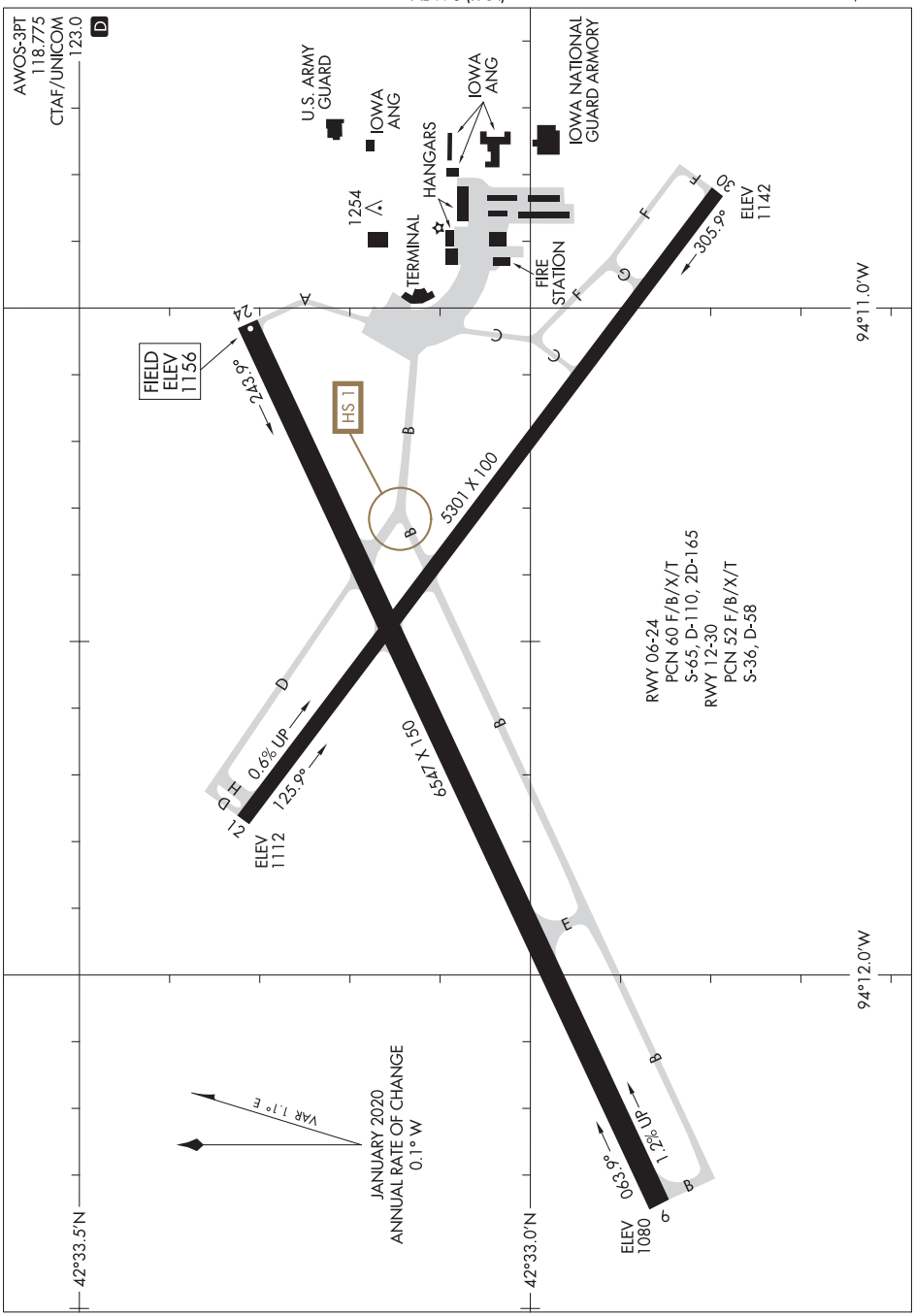
MIRL Rwy 12-30 L
REIL Rwys 12, 24 and 30 L
HIRL Rwy 6-24 L

FAF to MAP 5.5 NM					
Knots	60	90	120	150	180
Min:Sec	5:30	3:40	2:45	2:12	1:50

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

AL-976 (FAA)



NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

LOC/DME I-TBN	APP CRS	Rwy ldg	5535
110.9	147°	TDZE	1158
Chan 46		Apt Elev	1160

ILS or LOC RWY 15

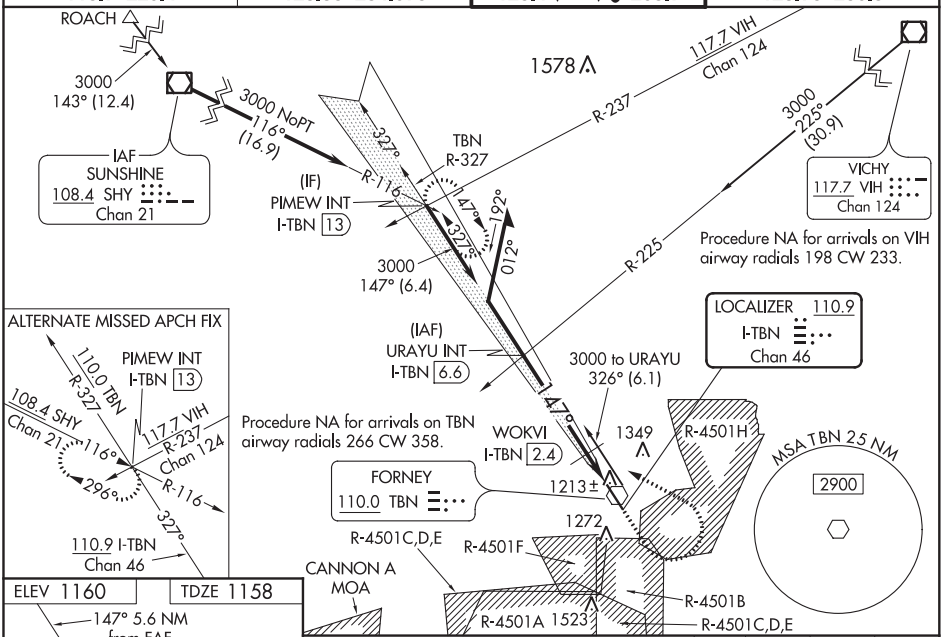
WAYNESVILLE-ST ROBERT RGNL FORNEY FIELD (TBN)

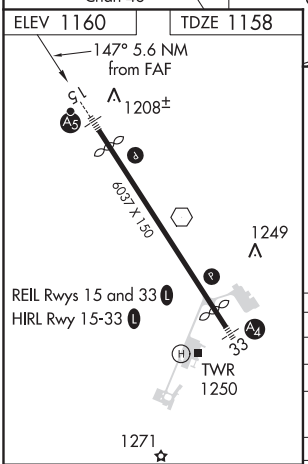
T A Circling NA west of Rwy 15-33. For inop ALS increase S-LOC 15 Cats C/D visibility to 1⅜ SM. When local altimeter setting not received, use Rolla National altimeter setting and increase DA to 1427 feet; and all MDAs 80 feet, increase S-LOC 15 Cat C/D and Circling Cat C visibility ¼ SM and WOKVI fix minimums S-LOC 15 Cat C/D and Circling Cat C visibility ¼ SM. VDP NA when using Rolla National altimeter setting. For inop ALS when using Rolla National altimeter setting increase S-LOC 15 WOKVI fix minimums Cats C/D visibility to 1¼ SM. Inop table does not apply to S-ILS 15, S-LOC 15 Cat A/B, and WOKVI fix minimums S-LOC 15.

MALSR A5

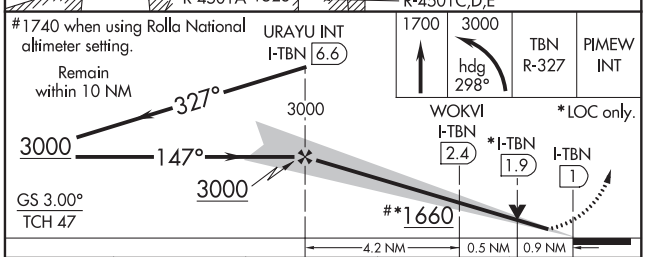
MISSED APPROACH: Climb to 1700 then climbing left turn to 3000 on heading 298° and TBN VOR R-327 to PIMEW INT/I-TBN 13 DME and hold.

D-ATIS	KANSAS CITY CENTER	FORNEY TOWER*	GND CON
118.7 229.4	128.35 284.675	125.4 (CTAF) L 268.7	123.75 256.8





FAF to MAP 5.6 NM					
Knots	60	90	120	150	180
Min:Sec	5:36	3:44	2:48	2:14	1:52



CATEGORY	A	B	C	D
S-ILS 15	1358-1 200 (200-1)			
S-LOC 15	1660-1 502 (500-1)			
C CIRCLING	1660-1 500 (500-1)		1660-1½ 500 (500-1½)	1720-2 560 (600-2)
WOKVI FIX MINIMUMS				
S-LOC 15	1500-1 342 (400-1)			
C CIRCLING	1580-1 420 (500-1)	1660-1 500 (500-1)	1660-1½ 500 (500-1½)	1720-2 560 (600-2)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 53499 W15A	APP CRS 147°	Rwy ldg 5535 TDZE 1158 Apt Elev 1160

RNAV (GPS) RWY 15
WAYNESVILLE-ST ROBERT RGNL FORNEY FIELD (TBN)

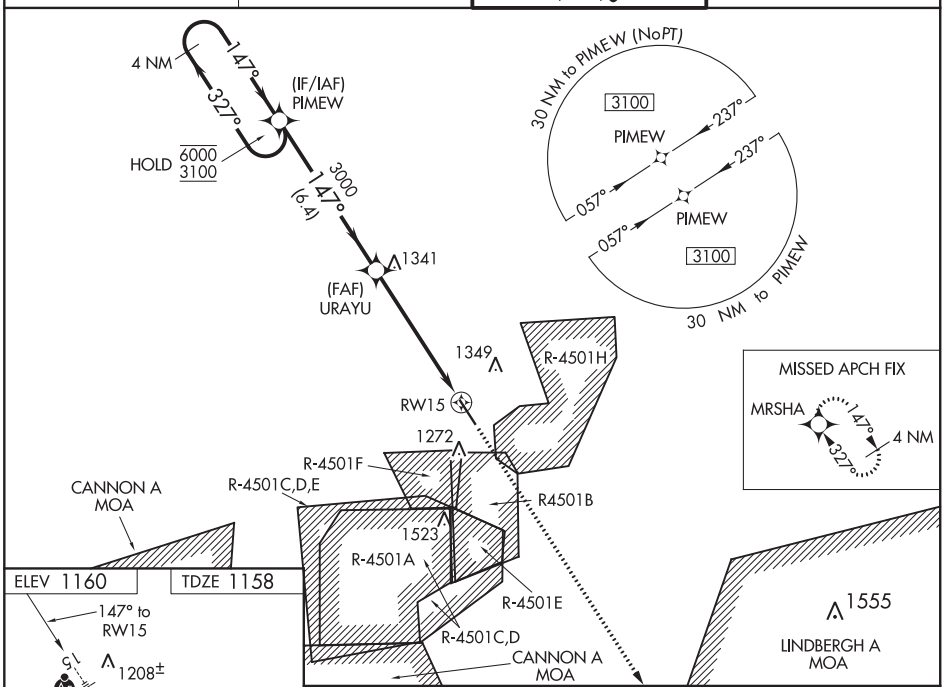
RNP APCH.

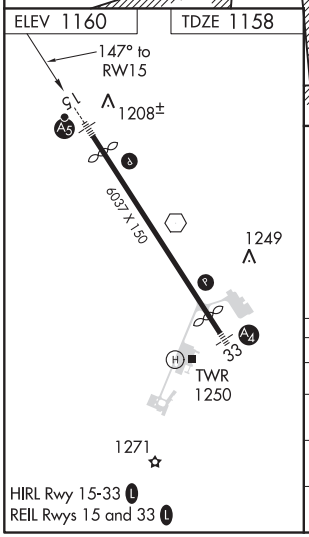
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -18°C or above 54°C. VDP and Baro-VNAV NA when using Rolla National altimeter setting. When local altimeter setting not received, use Rolla National altimeter setting and increase all LPV DA to 1427 and LNAV/VNAV DA to 1477; increase all MDAs 80 feet. Inop table does not apply. For inop ALS when using Rolla National altimeter setting increase LNAV Cat C/D visibility to 1⅜ SM. Circling NA west of Rwy 15-33. Inop table does not apply to LPV, LNAV/VNAV, all Cats, and LNAV Cats A/B minimums when using Rolla National altimeter setting.

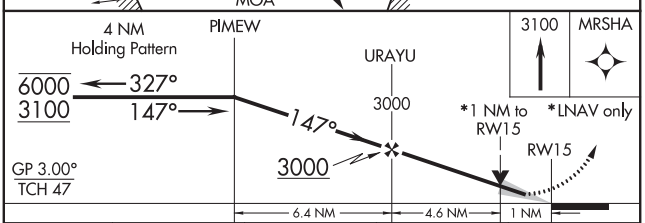
MALSR

MISSED APPROACH: Climb to 3100 direct MRSHA and hold.

D-ATIS	KANSAS CITY CENTER	FORNEY TOWER*	GND CON
118.7 229.4	128.35 284.675	125.4 (CTAF) L 268.7	123.75 256.8







CATEGORY	A	B	C	D
LPV DA	1358-1 200 (200-1)			
LNAV/VNAV DA	1408-1 250 (300-1)			
LNAV MDA	1520-1 362 (400-1)			
C CIRCLING	1580-1 420 (500-1)	1660-1 500 (500-1)	1660-1½ 500 (500-1½)	1720-2 560 (600-2)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

FORT LEONARD WOOD, MISSOURI — AL-5093 (FAA) — 19227

WAAS CH 99499 W33A	APP CRS 327°	Rwy ldg 5510 TDZE 1153 Apt Elev 1160

RNAV (GPS) RWY 33
WAYNESVILLE-ST ROBERT RGNL FORNEY FIELD (TBN)

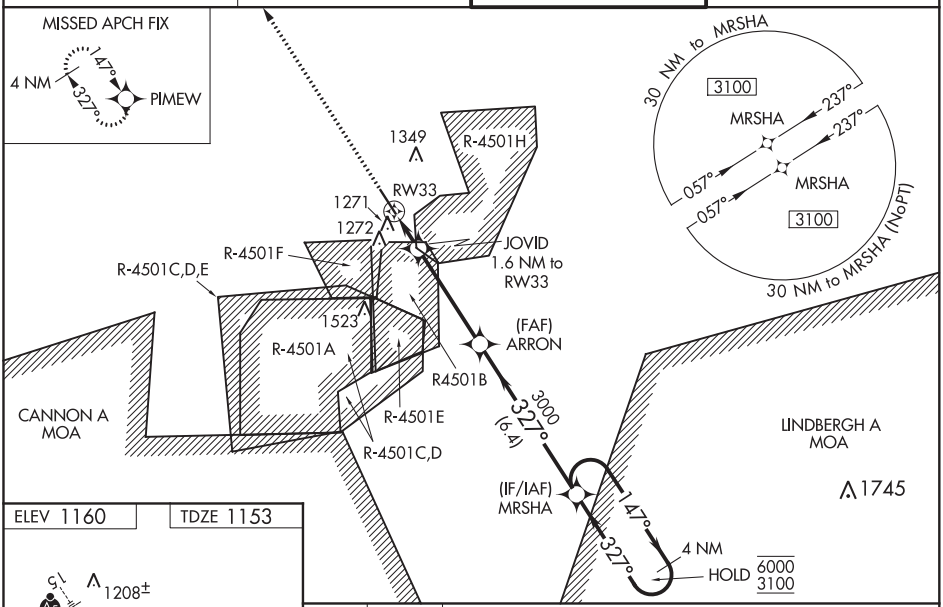
RNP APCH.

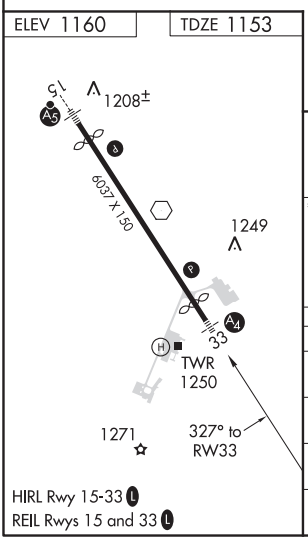
Baro-VNAV NA when using Rolla National altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -18°C or above 54°C. When local altimeter setting not received, use Rolla National altimeter setting and increase LPV DA to 1472 feet, increase LNAV/VNAV DA to 1521 feet and all MDAs 80 feet. Increase LNAV Cat C/D visibility to RVR 6000. Inop table does not apply to LPV, LNAV/VNAV, all Cats, and LNAV Cats A/B minimums. For inop ALS increase LNAV Cats C/D visibility to RVR 6000. VDP and Baro-VNAV NA when using Rolla National altimeter setting. Circling NA west of Rwy 15-33. Rwy 33 helicopter visibility reduction below ¾ SM NA. Inop table does not apply to LPV, LNAV/VNAV, all Cats, and LNAV Cats A/B minimums when using Rolla National altimeter setting.

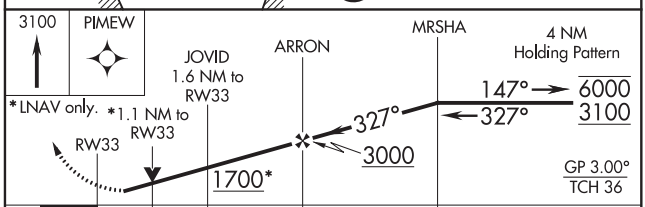
MALS

MISSED APPROACH: Climb to 3100 direct PIMEW and hold.

D-ATIS	KANSAS CITY CENTER	FORNEY TOWER ★	GND CON
118.7 229.4	128.35 284.675	125.4 (CTAF) L 268.7	123.75 256.8







CATEGORY	A	B	C	D
LPV DA	1403/50 250 (300-1)			
LNAV/VNAV DA	1452/50 299 (300-1)			
LNAV MDA	1540/50 387 (400-1)			
C CIRCLING	1580-1 420 (500-1)	1660-1 500 (500-1)	1660-1½ 500 (500-1½)	1720-2 560 (600-2)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

VOR TBN	APP CRS	Rwy ldg	5535
110.0	138°	TDZE	1158
		Apt Elev	1160

VOR RWY 15

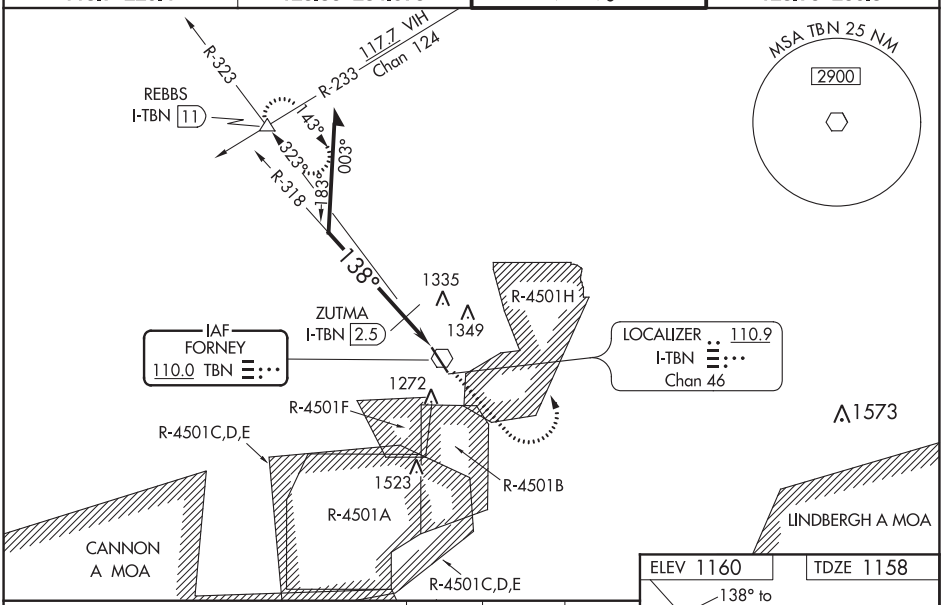
WAYNESVILLE-ST ROBERT RGNL FORNEY FIELD (TBN)

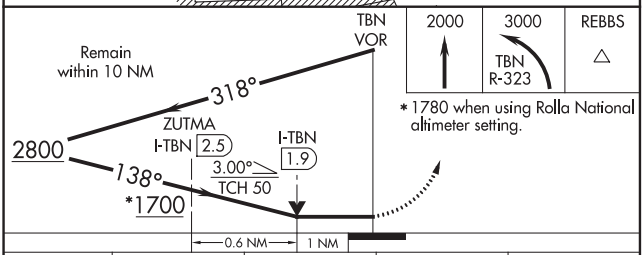
Procedure NA when R-4501B or R-4501H in use. Inop table does not apply to S-15 Cat A and B or to ZUTMA fix minimums. Circling NA west of Rwy 15-33. When local altimeter setting not received, use Rolla National altimeter setting and increase all MDAs 80 feet and increase S-15 visibility Cats C/D ¼ SM and Circling Cat C visibility ⅛ SM. Inop table does not apply to Cats A/B when using Rolla National altimeter setting. For inop ALS when using Rolla National altimeter setting increase S-15 Cats C/D visibility to 1¾ SM. For inop ALS when using Rolla National altimeter setting increase S-15 ZUTMA fix minimums Cats C/D visibility to 1⅜ SM. # DME from I-TBN LOC/DME.

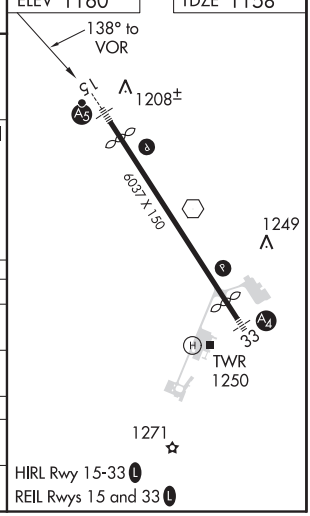
MALSR

MISSED APPROACH: Climb to 2000 then climbing left turn to 3000 on TBN VOR R-323 to REBBS INT/I-TBN LOC/DME 11 DME and hold.

D-ATIS	KANSAS CITY CENTER	FORNEY TOWER ★	GND CON
118.7 229.4	128.35 284.675	125.4 (CTAF) L 268.7	123.75 256.8







CATEGORY	A	B	C	D
S-15	1700-1 542 (600-1)		1700-1⅛ 542 (600-1⅛)	
C CIRCLING	1700-1 540 (600-1)		1700-1⅝ 540 (600-1⅝)	1720-2 560 (600-2)
ZUTMA FIX MINIMUMS #				
S-15	1520-1 362 (400-1)			
C CIRCLING	1580-1 420 (500-1)	1660-1 500 (500-1)	1660-1½ 500 (500-1½)	1720-2 560 (600-2)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

FORT LEONARD WOOD, MISSOURI | AL-5093 (FAA) | 20086

VOR RWY 33

WAYNESVILLE-ST ROBERT RGNL FORNEY FIELD (TBN)

VOR TBN	APP CRS	Rwy ldg	5510
110.0	329°	TDZE	1153
		Apt Elev	1160

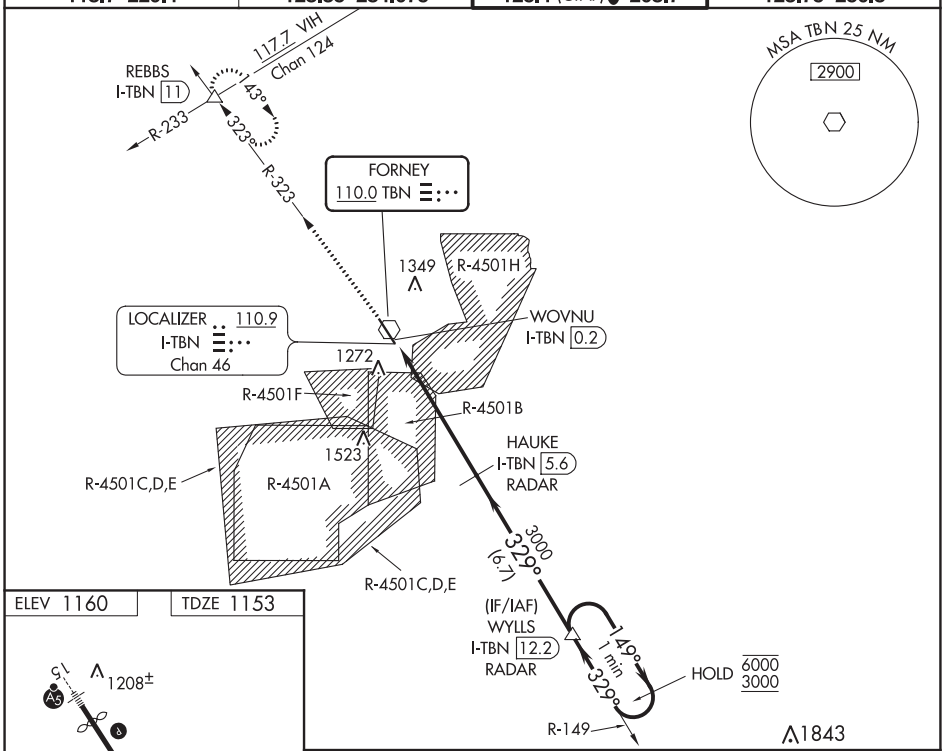
DME or RADAR required. RADAR required for procedure entry.

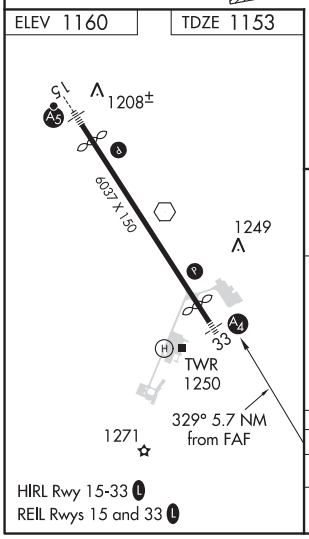
When local altimeter not received, use Rolla National altimeter setting and increase all MDAs 80 feet. Increase S-33 Cats C/D visibility to 1¼ SM. Procedure NA when R-4501B or R-4501H in use. Circling NA west of Rwy 15-33. Rwy 33 helicopter visibility reduction below ¾ SM NA. Inop table does not apply to Cats A and B. For inop ALS, increase Cats C and D visibility to 1⅜ SM. Inop table does not apply to Cats A and B when using Rolla National altimeter setting.

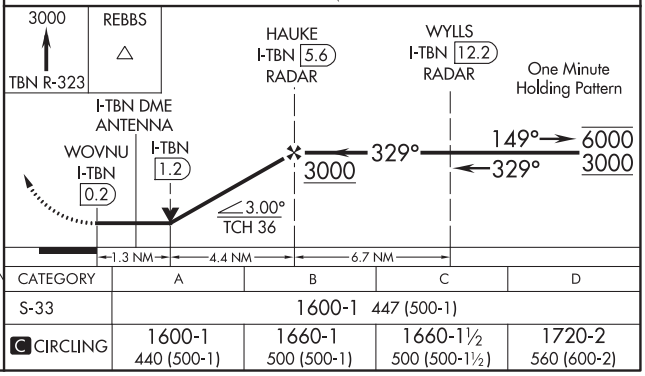
MALS

MISSED APPROACH: Climb to 3000 on TBN VOR R-323 to REBBS INT/I-TBN LOC/DME 11 DME and hold.

D-ATIS	KANSAS CITY CENTER	FORNEY TOWER ★	GND CON
118.7 229.4	128.35 284.675	125.4 (CTAF) L 268.7	123.75 256.8



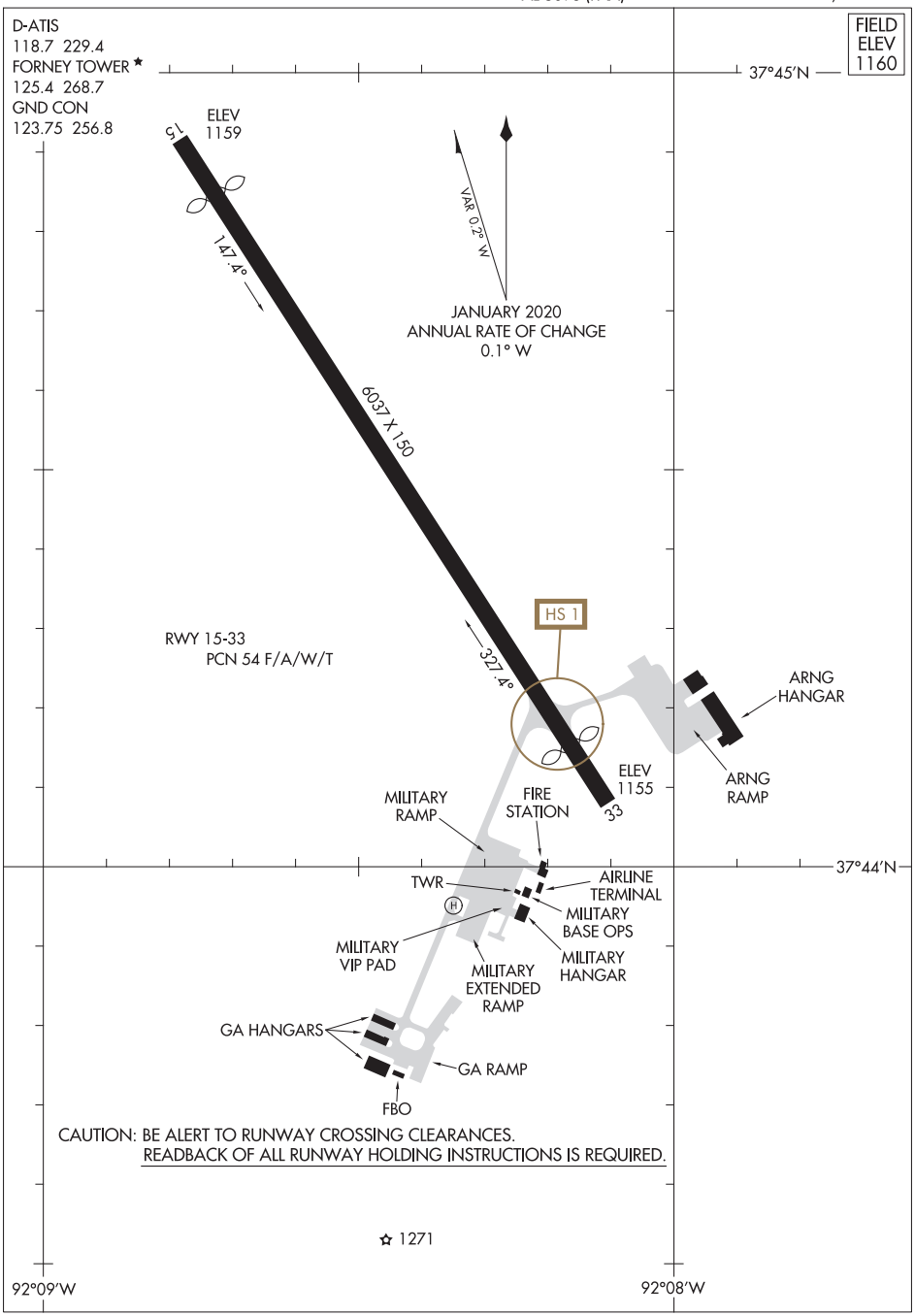




CATEGORY	A	B	C	D
S-33	1600-1 447 (500-1)			
C CIRCLING	1600-1 440 (500-1)	1660-1 500 (500-1)	1660-1½ 500 (500-1½)	1720-2 560 (600-2)

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021



NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

FORT MADISON, IOWA | AL-5625 (FAA) | 19031

WAAS CH 82641 W17A	APP CRS 167°	Rwy ldg 4000 TDZE 722 Apt Elev 722

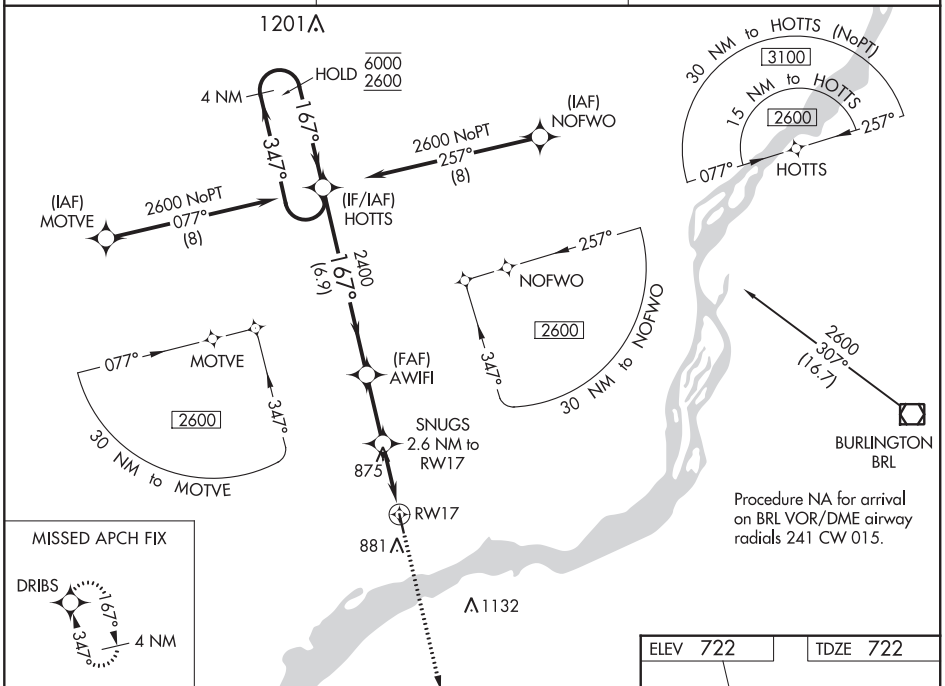
RNAV (GPS) RWY 17
FORT MADISON MUNI (FSW)

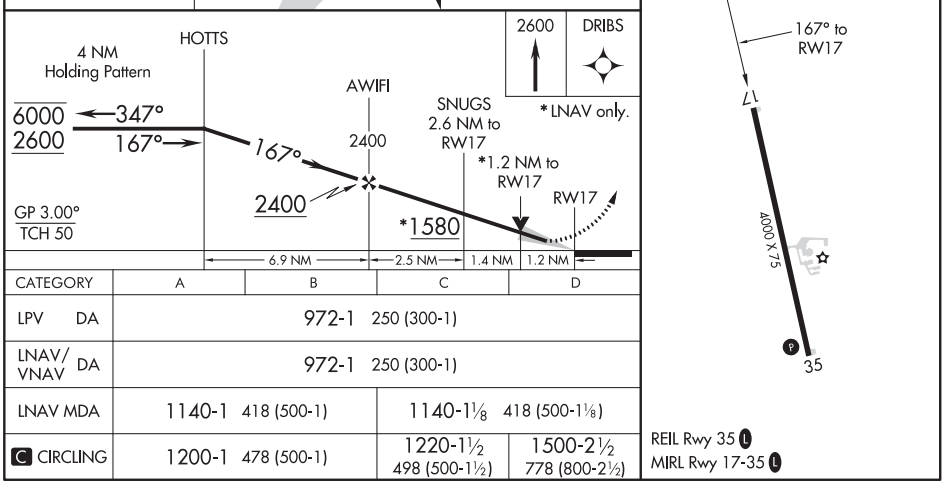
RNP APCH.

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C or above 54°C.

MISSED APPROACH: Climb to 2600 direct DRIBS and hold.

AWOS-3	CHICAGO CENTER	UNICOM
120.925	135.6 316.1	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	972-1 250 (300-1)			
LNAV/VNAV DA	972-1 250 (300-1)			
LNAV MDA	1140-1 418 (500-1)		1140-1⅛ 418 (500-1⅛)	
C CIRCLING	1200-1 478 (500-1)		1220-1½ 498 (500-1½)	1500-2½ 778 (800-2½)

FORT MADISON, IOWA
Amdt 1B 31JAN19

40°40′N-91°20′W

FORT MADISON MUNI (FSW)
RNAV (GPS) RWY 17

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

RNAV (GPS) RWY 35
FORT MADISON MUNI (FSW)

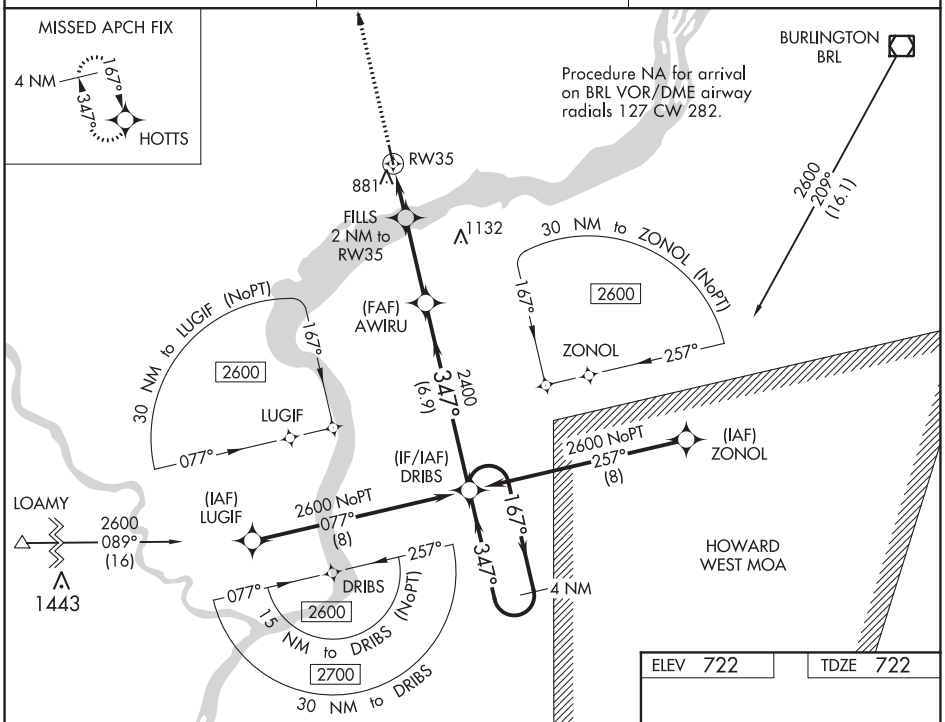
WAAS CH 70741 W35A	APP CRS 347°	Rwy ldg 4000 TDZE 722 Apt Elev 722

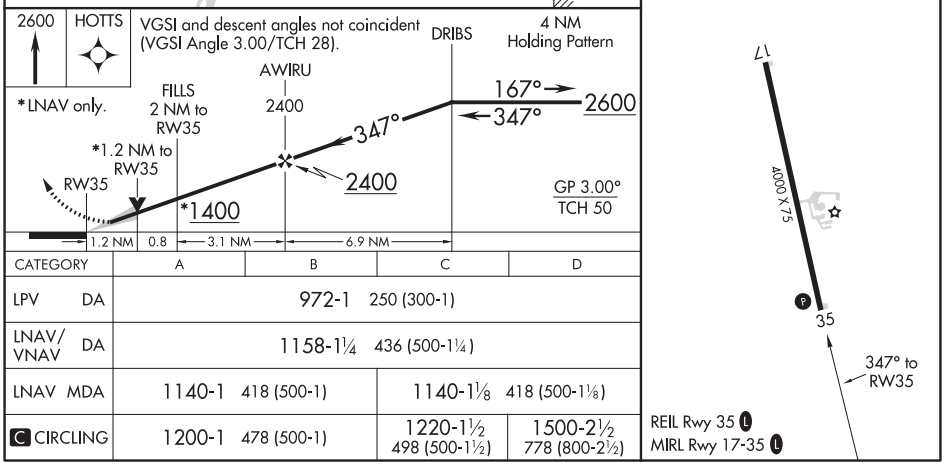
RNP APCH.

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F).

MISSED APPROACH: Climb to 2600 direct HOTTS and hold.

AWOS-3	CHICAGO CENTER	UNICOM
120.925	135.6 316.1	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	972-1 250 (300-1)			
LNAV/VNAV DA	1158-1¼ 436 (500-1¼)			
LNAV MDA	1140-1 418 (500-1)		1140-1⅛ 418 (500-1⅛)	
C CIRCLING	1200-1 478 (500-1)		1220-1½ 498 (500-1½)	1500-2½ 778 (800-2½)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

FORT MADISON, IOWA | AL-5625 (FAA) | 20310

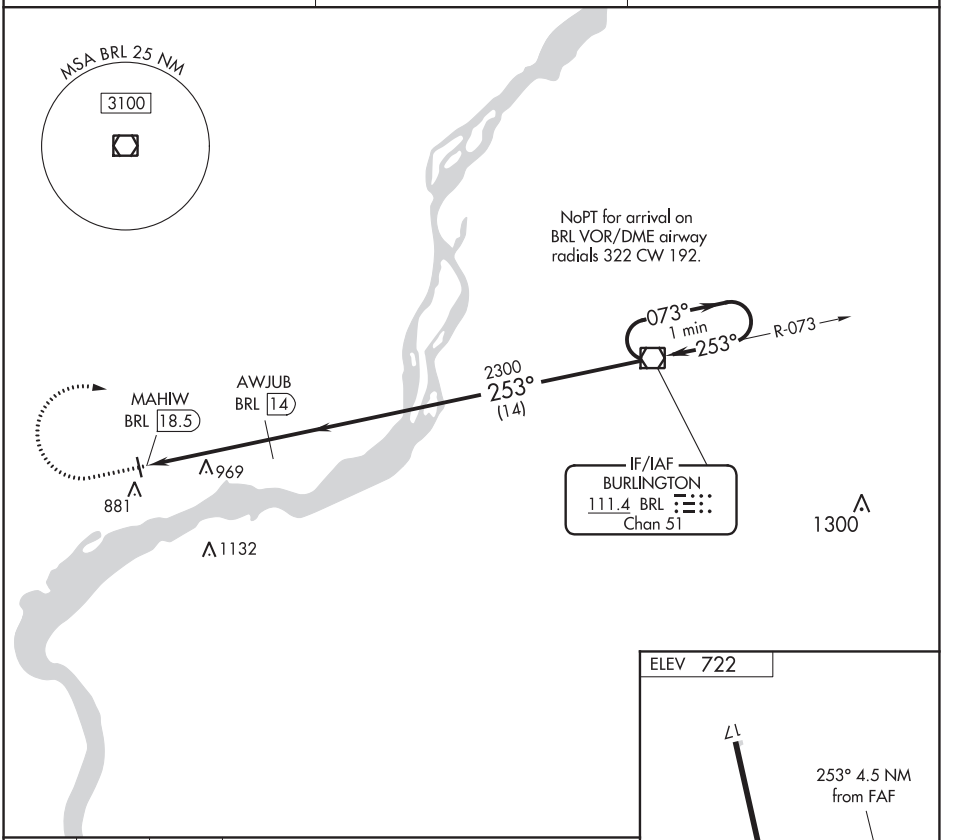
VOR/DME-A
FORT MADISON MUNI (FSW)

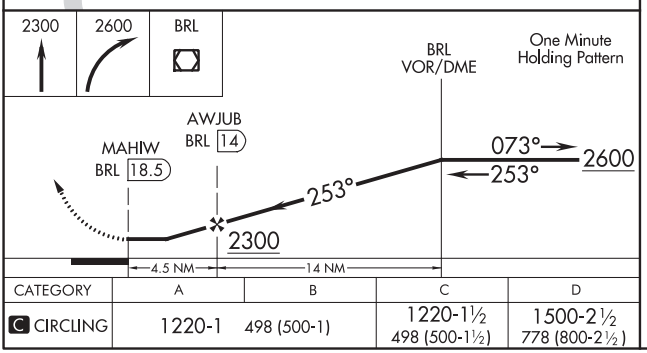
VOR/DME BRL	APP CRS	Rwy ldg	N/A
111.4	253°	TDZE	N/A
Chan 51		Apt Elev	722

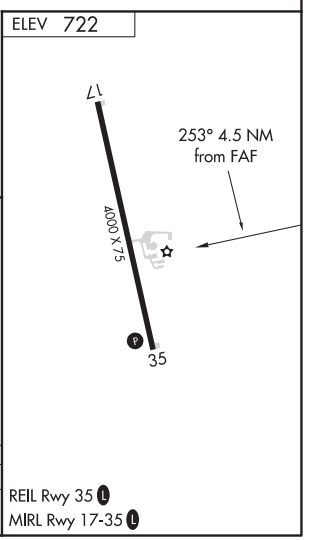
When local altimeter not received, use Burlington altimeter setting; increase all MDA 40 feet and Circling Cat D visibility ¼ SM. Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 2300 then climbing right turn to 2600 direct BRL VOR/DME and hold.

AWOS-3	CHICAGO CENTER	UNICOM
120.925	135.6 316.1	122.8 (CTAF) L







CATEGORY	A	B	C	D
C CIRCLING	1220-1	498 (500-1)	1220-1½ 498 (500-1½)	1500-2½ 778 (800-2½)

REIL Rwy 35 L
MIRL Rwy 17-35 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 70733 W01A	APP CRS 015°	Rwy ldg 4000 TDZE 880 Apt Elev 880

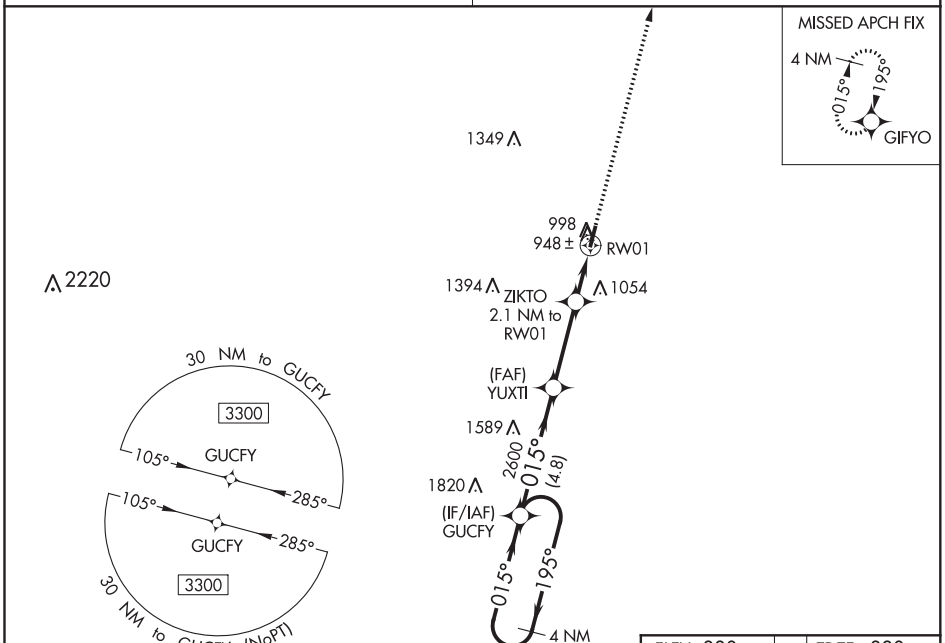
RNAV (GPS) RWY 1

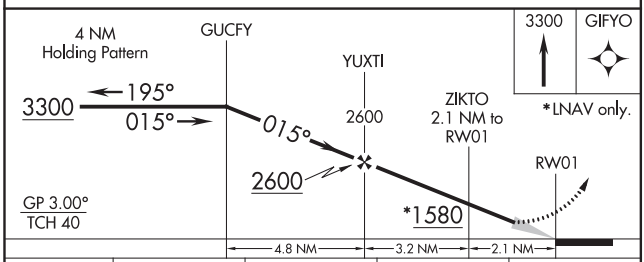
A PAUL VANCE FREDERICKTOWN RGNL (H88)

T A NA Baro-VNAV NA. DME/DME RNP-0.3 NA. Use Farmington altimeter setting; when not received, use Sparta altimeter setting and increase all DA 111 feet, all MDA 120 feet and increase LPV all Cats visibility, LNAV/VNAV all Cats visibility and LNAV Cat C visibility ⅜ mile, and Circling Cat C visibility ¼ mile.

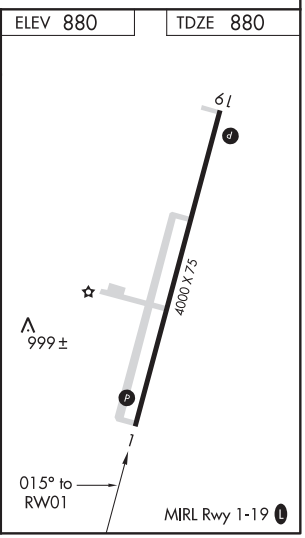
MISSED APPROACH: Climb to 3300 direct GIFYO and hold.

KANSAS CITY CENTER	UNICOM
127.475 346.275	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1166-1 286 (300-1)			NA
LNAV/VNAV DA	1166-1 286 (300-1)			NA
LNAV MDA	1240-1 360 (400-1)			NA
C CIRCLING	1380-1 500 (500-1)	1520-1 640 (700-1)	1640-2¼ 760 (800-2¼)	NA



NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

FREDERICKTOWN, MISSOURI — AL-6832 (FAA) — 18032

WAAS CH 72733 W19A	APP CRS 195°	Rwy ldg 4000 TDZE 880 Apt Elev 880

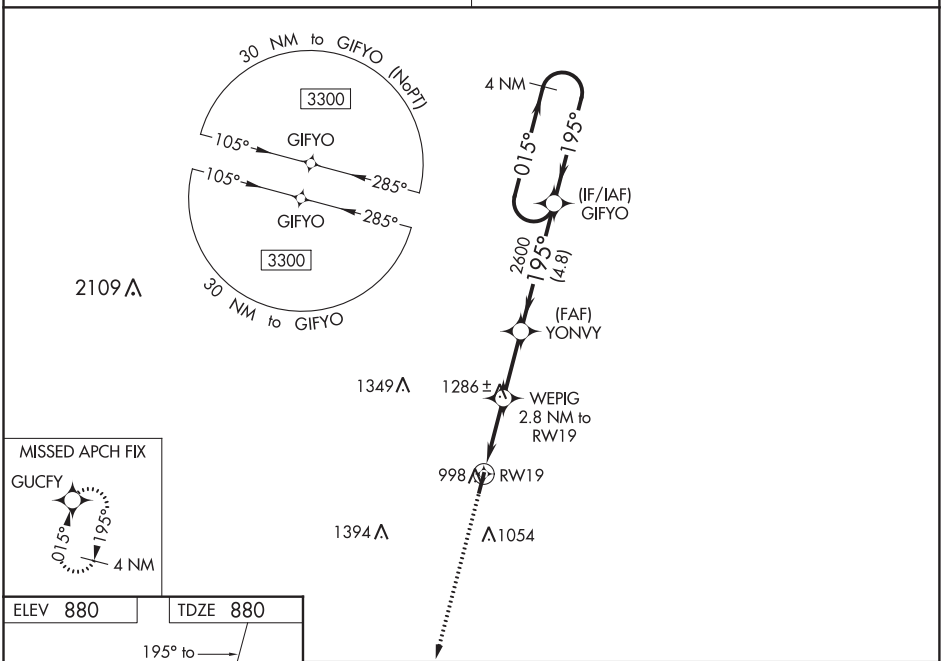
RNAV (GPS) RWY 19
A PAUL VANCE FREDERICKTOWN RGNL (H88)

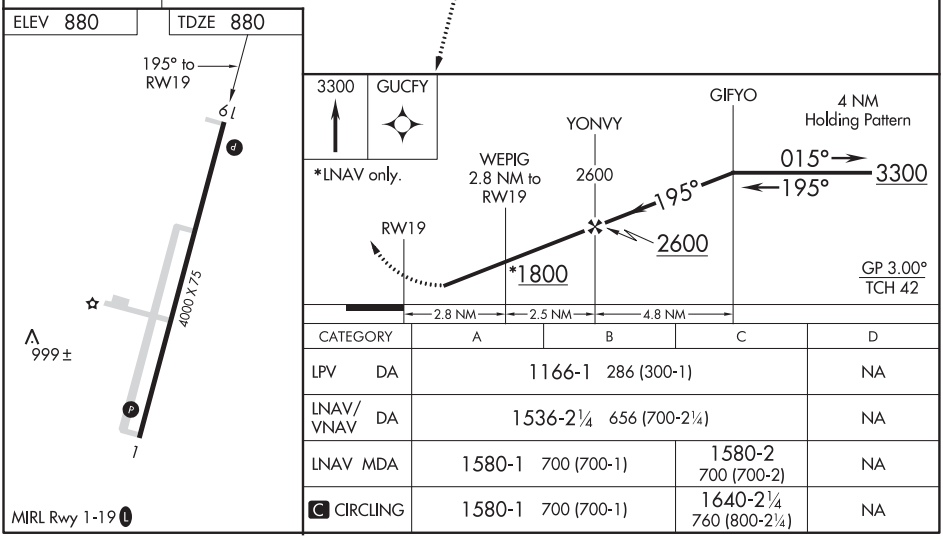
T NA

Baro-VNAV NA. DME/DME RNP-0.3 NA. Rwy 19 helicopter visibility reduction below ¾ SM NA. Use Farmington altimeter setting; when not received, use Sparta altimeter setting and increase all DA 111 feet, all MDA 120 feet, LPV all Cats visibility ⅜ mile, LNAV/VNAV all Cats visibility ½ mile, LNAV Cat B visibility ¼ mile and Cat C visibility ½ mile and increase Circling all Cats visibility ¼ mile.

MISSED APPROACH: Climb to 3300 direct GUCFY and hold.

KANSAS CITY CENTER	UNICOM
127.475 346.275	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1166-1 286 (300-1)			NA
LNAV/VNAV DA	1536-2¼ 656 (700-2¼)			NA
LNAV MDA	1580-1 700 (700-1)		1580-2 700 (700-2)	NA
C CIRCLING	1580-1 700 (700-1)		1640-2¼ 760 (800-2¼)	NA

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

VORTAC FAM	APP CRS	Rwy ldg	4000
115.7	030°	TDZE	880
Chan 104		Apt Elev	880

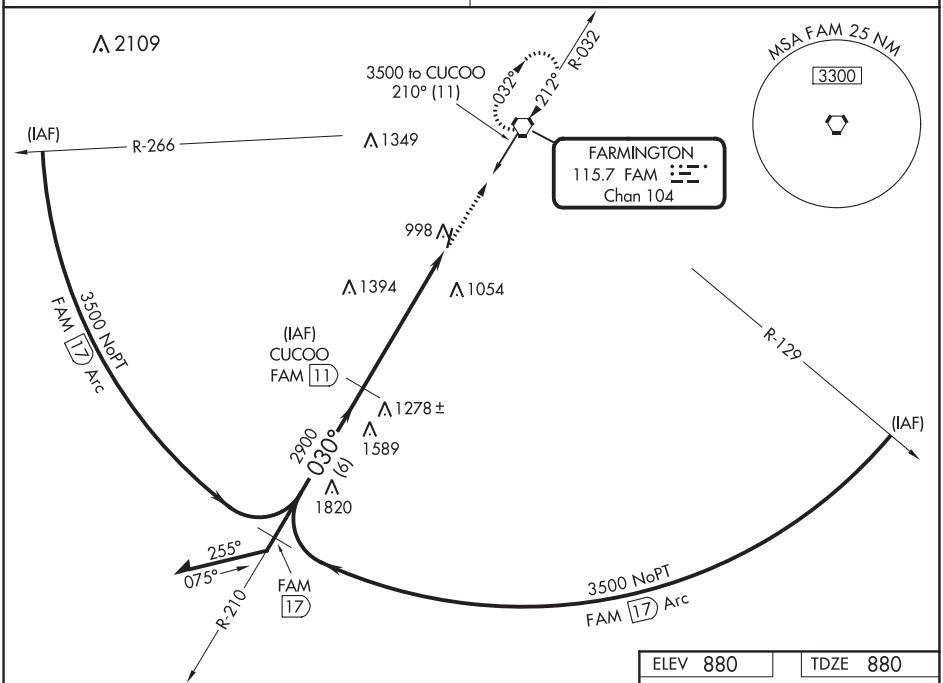
VOR/DME RWY 1

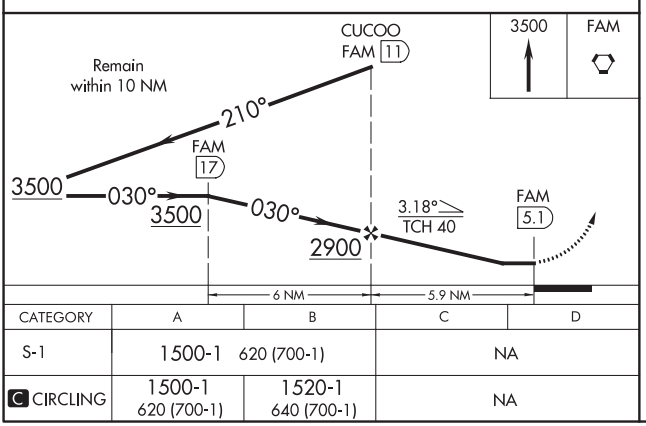
A PAUL VANCE FREDERICKTOWN RGNL (H88)

T
A NA — Use Farmington Rgnl altimeter setting.

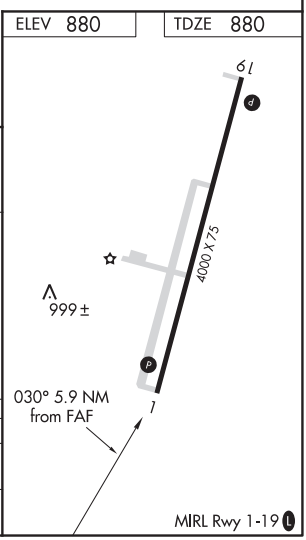
MISSED APPROACH: Climb to 3500 direct FAM VORTAC and hold.

KANSAS CITY CENTER	UNICOM
127.475 346.275	122.8 (CTAF) L





CATEGORY	A	B	C	D
S-1	1500-1 620 (700-1)		NA	
C CIRCLING	1500-1 620 (700-1)	1520-1 640 (700-1)	NA	



NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

FREDERICKTOWN, MISSOURI | AL-6832 (FAA) | 20086

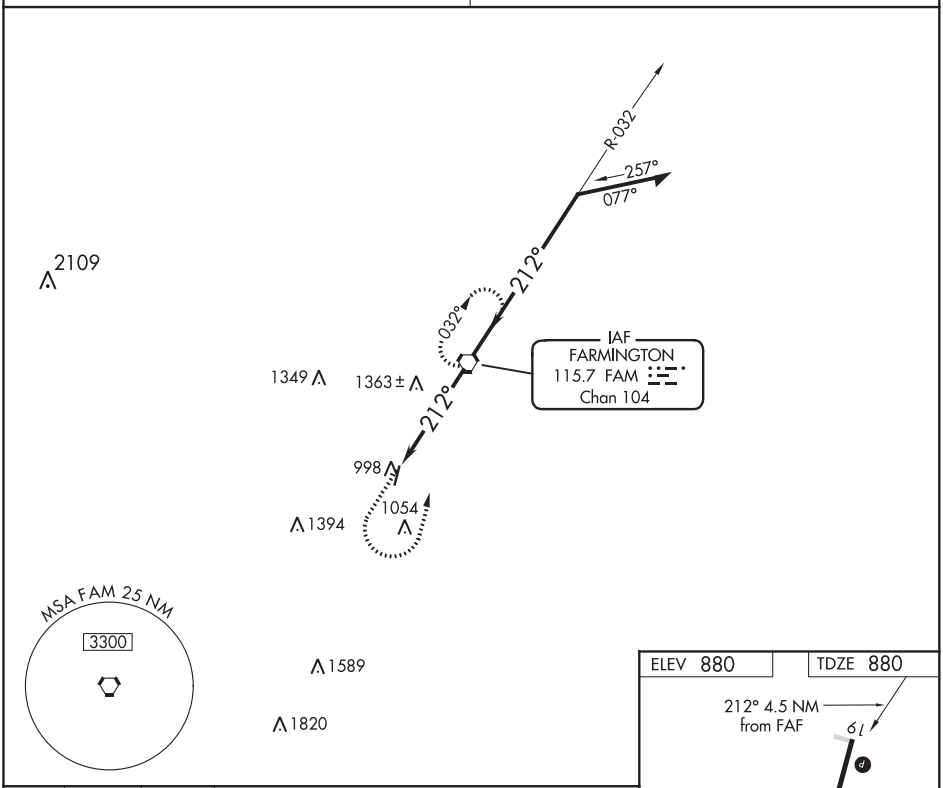
VORTAC FAM	APP CRS	Rwy ldg	4000
115.7	212°	TDZE	880
Chan 104		Apt Elev	880

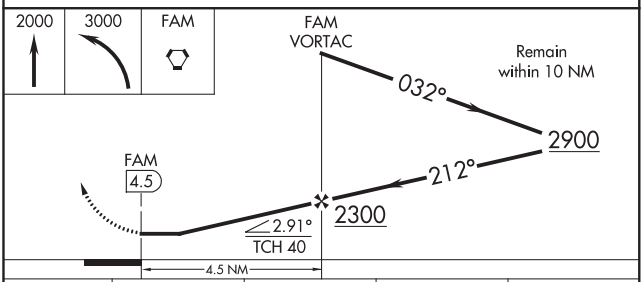
VOR RWY 19
A PAUL VANCE FREDERICKTOWN RGNL (H88)

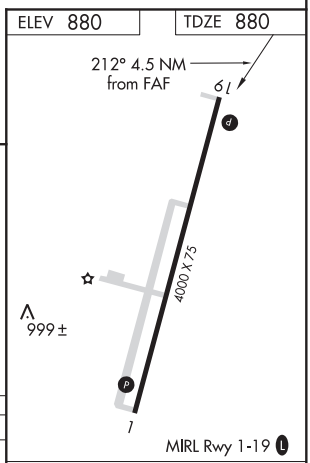
T A NA — Use Farmington Rgnl altimeter setting. Rwy 19 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 2000 then climbing left turn to 3000 direct FAM VORTAC and hold.

KANSAS CITY CENTER	UNICOM
127.475 346.275	122.8 (CTAF) L







CATEGORY	A	B	C	D
S-19	1660-1 780 (800-1)	1660-1¼ 780 (800-1¼)	NA	
C CIRCLING	1660-1 780 (800-1)	1660-1¼ 780 (800-1¼)	NA	

FAF to MAP 4.5 NM

Knots	60	90	120	150	180
Min:Sec	4:30	3:00	2:15	1:48	1:30

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

APP CRS	Rwy ldg	3203
056°	TDZE	882
	Apt Elev	887

RNAV (GPS) RWY 6
ELTON HENSLEY MEMORIAL (FTT)

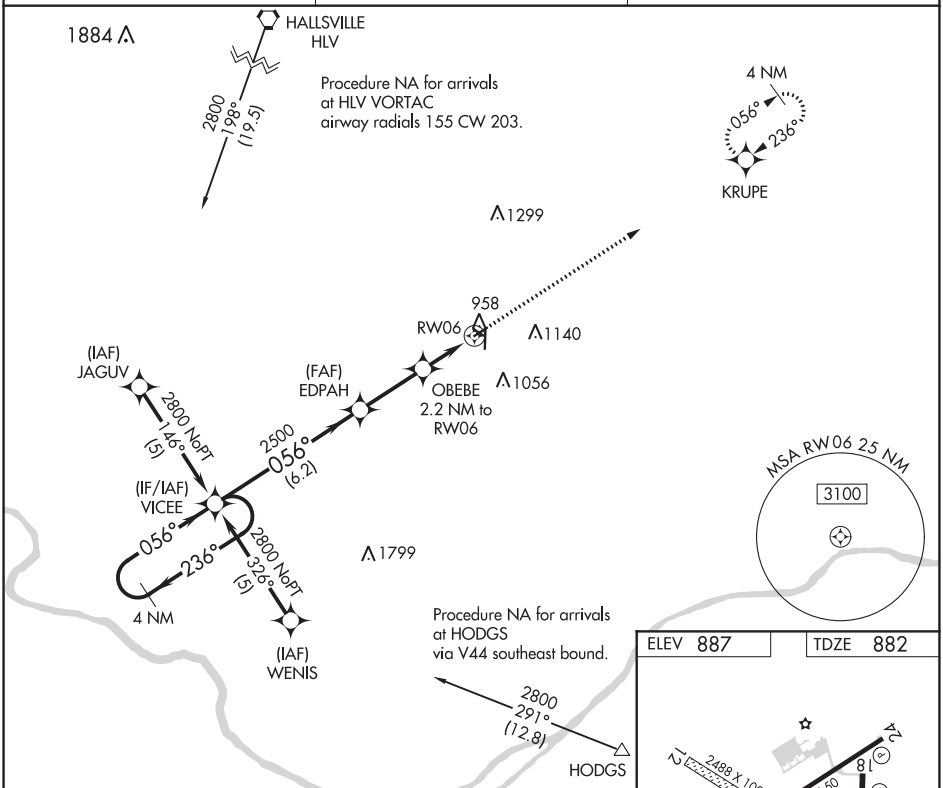
RNP APCH.

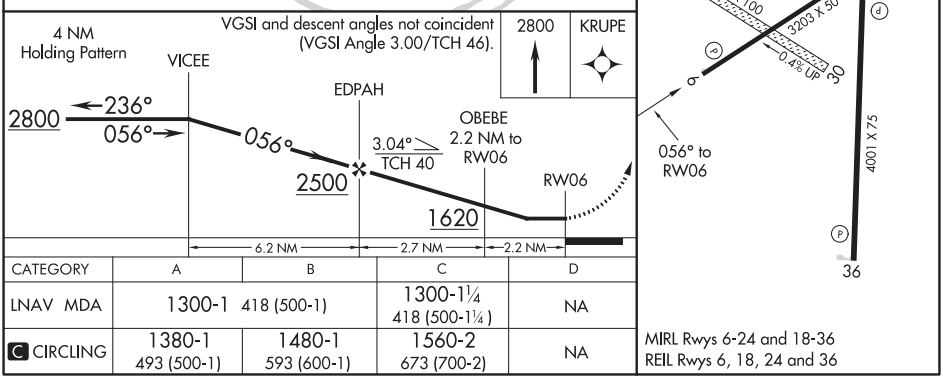
NA

Use Columbia altimeter setting; when not received, use Jefferson City altimeter setting and increase all MDA 80 feet. Rwy 6 helicopter visibility reduction below ¾ SM NA. Circling Rwy 18, 24 NA at night.

MISSED APPROACH: Climb to 2800 direct KRUPE and hold.

COU ASOS	MIZZU APP CON	UNICOM
128.45	124.375 353.7	122.7 (CTAF)





CATEGORY	A	B	C	D
LNAV MDA	1300-1 418 (500-1)		1300-1¼ 418 (500-1¼)	NA
C CIRCLING	1380-1 493 (500-1)	1480-1 593 (600-1)	1560-2 673 (700-2)	NA

MIRL Rwys 6-24 and 18-36
REIL Rwys 6, 18, 24 and 36

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

FULTON, MISSOURI | AL-6385 (FAA) | 19283

WAAS CH 42611 W18A	APP CRS 181°	Rwy ldg 4001 TDZE 881 Apt Elev 887

RNAV (GPS) RWY 18
ELTON HENSLEY MEMORIAL (FTT)

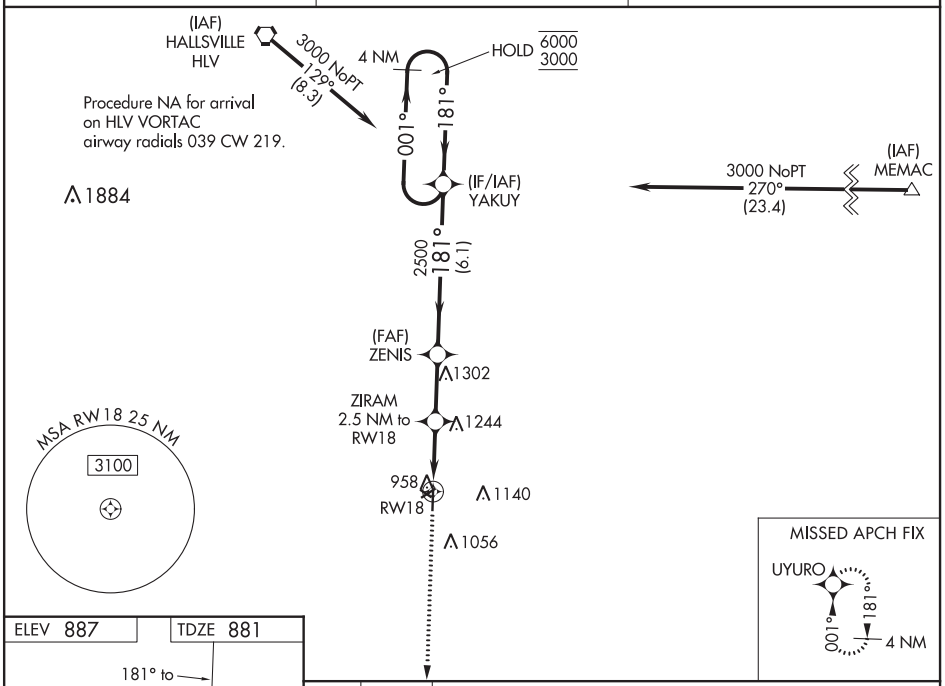
RNP APCH.

NA

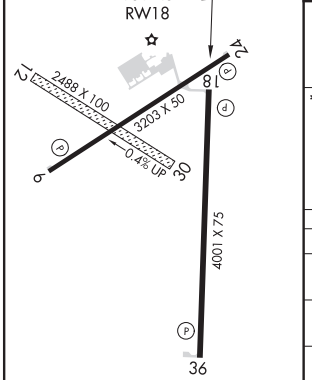
Circling NA to Rwys 12 and 30. Circling Rwy 24 NA at night. Rwy 18 helicopter visibility reduction below 1 SM NA. Baro-VNAV NA. Use Columbia altimeter setting; when not received use Jefferson City altimeter setting and increase all DA 62 feet, all MDA 80 feet, increase LPV and LNAV/VNAV all Cats visibility ¼ mile, LNAV and Circling Cat C visibility ¼ mile.

MISSED APPROACH: Climb to 3000 direct UYURO and hold.

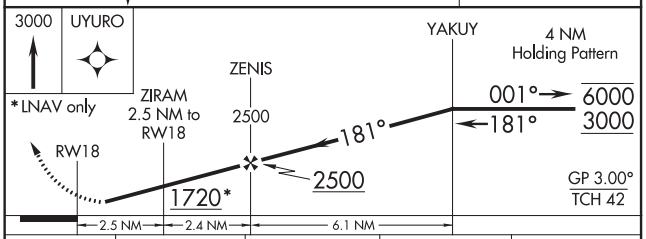
COU ASOS	MIZZU APP CON	UNICOM
128.45	124.375 353.7	122.7 (CTAF)



ELEV 887 | TDZE 881



MIRL Rwys 6-24 and 18-36
REIL Rwys 6, 18, 24 and 36



CATEGORY	A	B	C	D
LPV DA	1155-1 274 (300-1)			NA
LNAV/VNAV DA	1313-1½ 432 (500-1½)			NA
LNAV MDA	1520-1 639 (700-1)		1520-1¾ 639 (700-1¾)	NA
C CIRCLING	1520-1 633 (700-1)		1560-2 673 (700-2)	NA

FULTON, MISSOURI
Orig-C 25APR19

38°50'N-92°00'W

ELTON HENSLEY MEMORIAL (FTT)
RNAV (GPS) RWY 18

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

APP CRS	Rwy ldg	3203
236°	TDZE	881
	Apt Elev	887

RNAV (GPS) RWY 24
ELTON HENSLEY MEMORIAL (FTT)

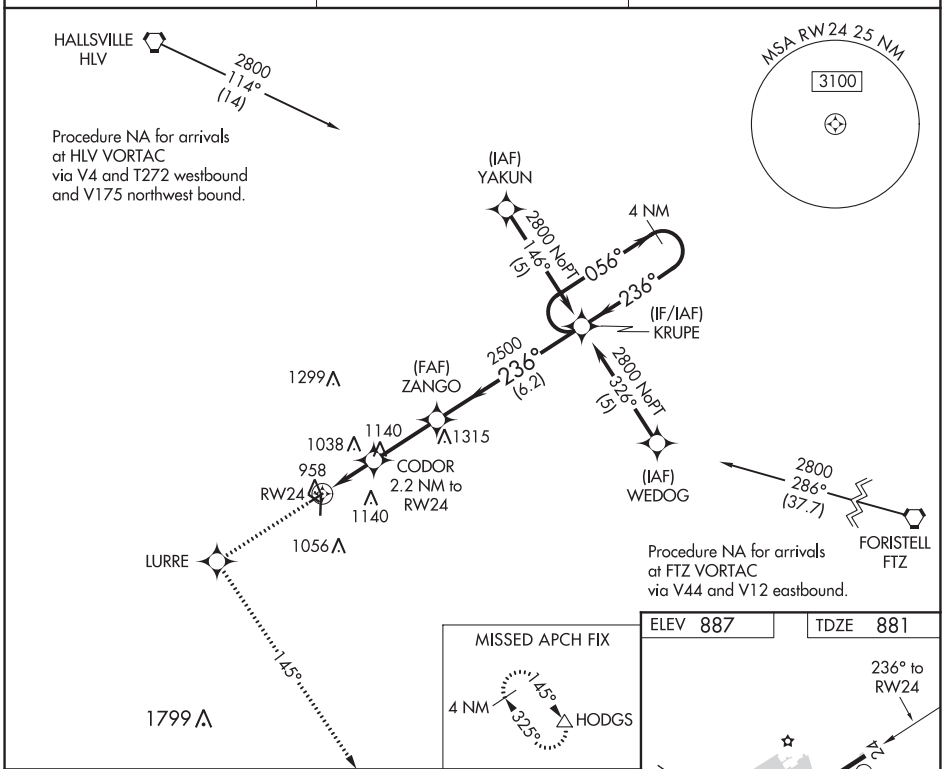
RNP APCH.

NA

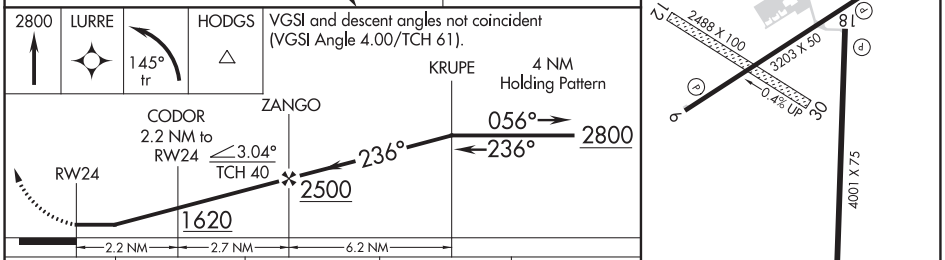
Use Columbia altimeter setting; when not received, use Jefferson City altimeter setting and increase all MDA 80 feet, and increase LNAV Cat C visibility ¼ mile. Rwy 24 helicopter visibility reduction below 1 SM NA. Circling NA to Rwys 12 and 30. Straight-in Rwy 24 NA at night, Circling Rwy 18, 24 NA at night.

MISSED APPROACH: Climb to 2800 direct LURRE and left turn via 145° track to HODGS and hold.

COU ASOS	MIZZU APP CON	UNICOM
128.45	124.375 353.7	122.7 (CTAF)



ELEV 887	TDZE 881



CATEGORY	A	B	C	D
LNAV MDA	1320-1 439 (500-1)		1320-1¼ 439 (500-1¼)	NA
C CIRCLING	1380-1 493 (500-1)	1480-1 593 (600-1)	1560-2 673 (700-2)	NA

MIRL Rwys 6-24 and 18-36
REIL Rwys 6, 18, 24 and 36

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

FULTON, MISSOURI | AL-6385 (FAA) | 19283

APP CRS	Rwy ldg	4001
001°	TDZE	881
	Apt Elev	887

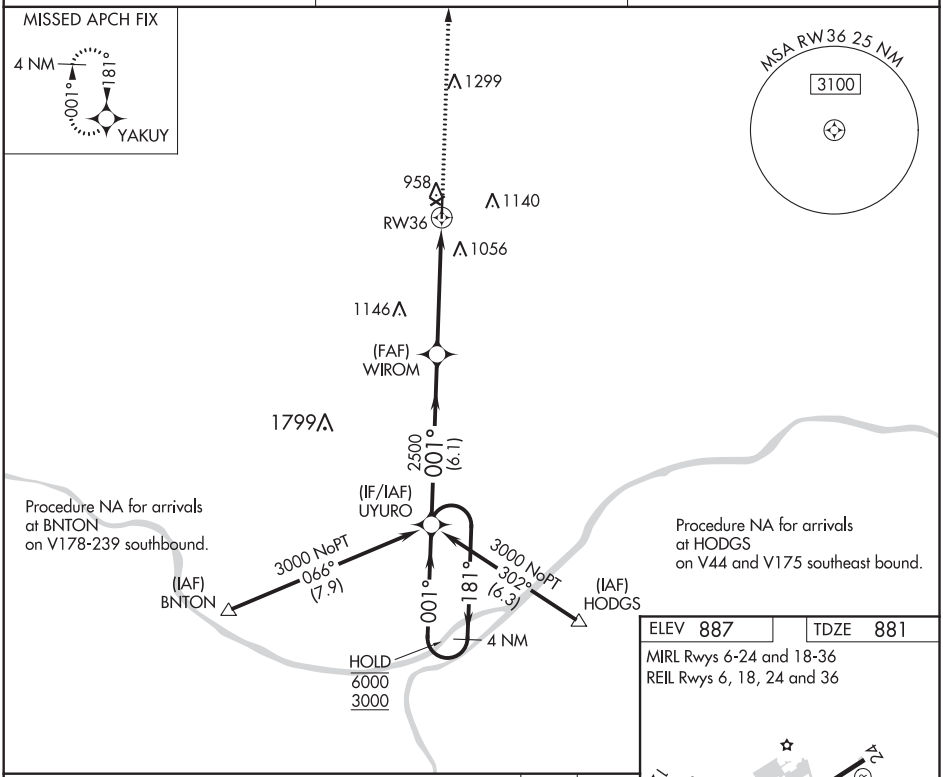
RNAV (GPS) RWY 36
ELTON HENSLEY MEMORIAL (FTT)

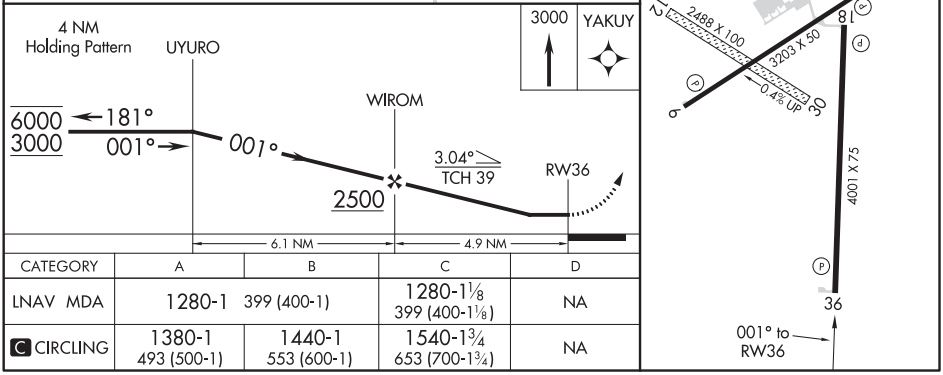
RNP APCH

T A NA Circling NA to Rwys 12 and 30. Circling Rwy 18, 24 NA at night. Rwy 36 helicopter visibility reduction below ¾ SM NA. Use Columbia altimeter setting; when not received use Jefferson City altimeter setting and increase all MDA 100 feet. Increase LNAV Cat C visibility ½ SM, and Circling Cat C visibility ¾ SM.

MISSED APPROACH: Climb to 3000 direct YAKUY and hold.

COU ASOS	MIZZU APP CON	UNICOM
128.45	124.375 353.7	122.7 (CTAF)





CATEGORY	A	B	C	D
LNAV MDA	1280-1 399 (400-1)		1280-1⅛ 399 (400-1⅛)	NA
C CIRCLING	1380-1 493 (500-1)	1440-1 553 (600-1)	1540-1¾ 653 (700-1¾)	NA

NC-3, 25 FEB 2021 to 22 APR 2021

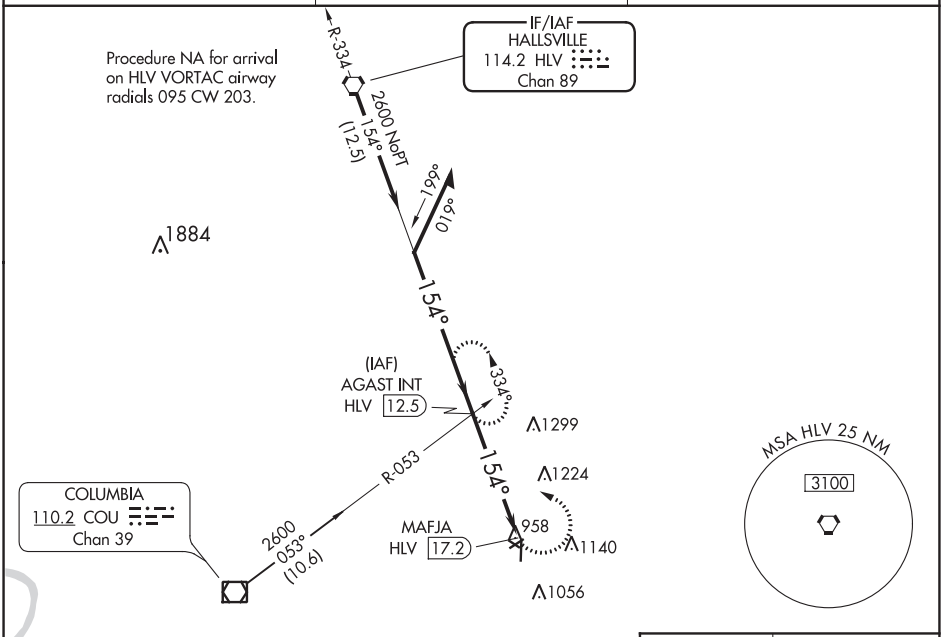
VORTAC HLV 114.2 Chan 89	APP CRS 154°	Rwy ldg N/A TDZE N/A Apt Elev 887

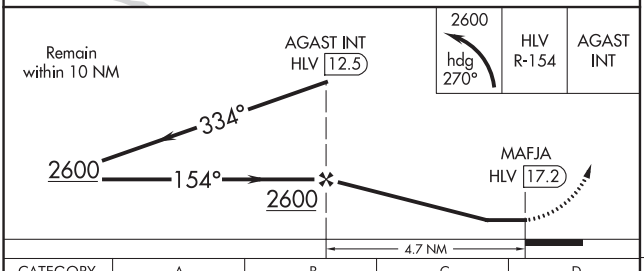
VOR-A
ELTON HENSLEY MEMORIAL (FTT)

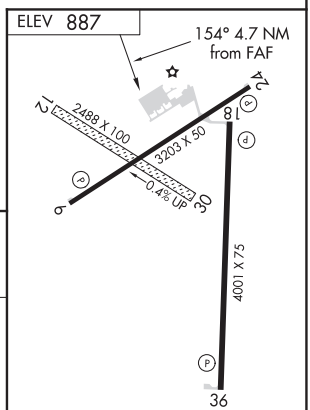
Circling NA to Rwys 12 and 30. Circling Rwy 18, 24 NA at night. Use Columbia altimeter setting; when not received use Jefferson City altimeter setting and increase all MDA 80 feet, and Circling Cat C visibility ¼ SM.

MISSED APPROACH: Climbing left turn to 2600 on heading 270° and HLV VORTAC R-154 to AGAST INT/12.5 DME and hold.

COU ASOS	MIZZU APP CON	UNICOM
128.45	124.375 353.7	122.7 (CTAF)







MIRL Rwys 6-24 and 18-36
REIL Rwys 6, 18, 24 and 36

CATEGORY	A	B	C	D
C CIRCLING	1520-1 633 (700-1)		1560-2 673 (700-2)	NA

FAF to MAP 4.7 NM					
Knots	60	90	120	150	180
Min:Sec	4:42	3:08	2:21	1:53	1:34

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

GIDEON, MISSOURI | AL-6437 (FAA) | 17285

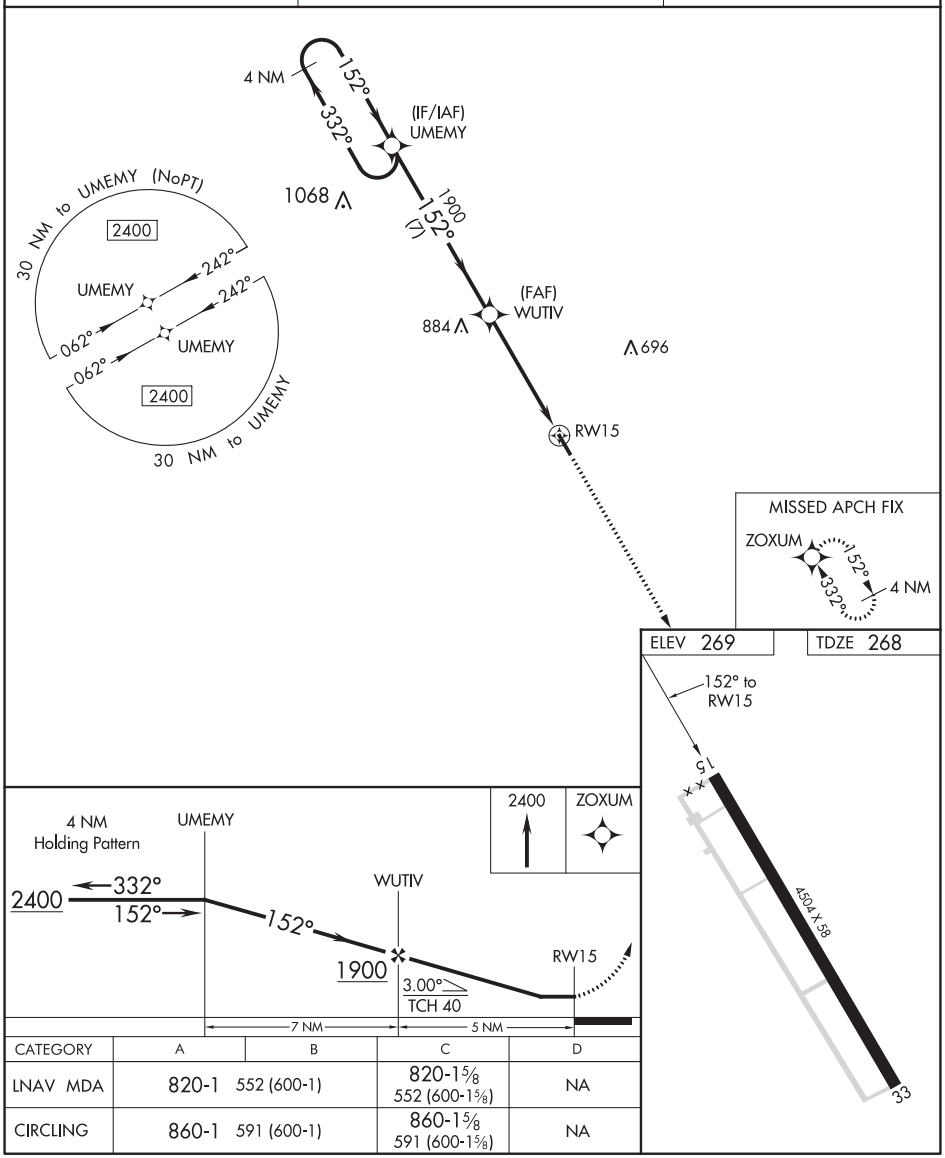
RNAV (GPS) RWY 15
GIDEON MEMORIAL (M85)

APP CRS	Rwy ldg	4504
152°	TDZE	268
	Apt Elev	269

T ▲NA DME/DME RNP-0.3 NA. Procedure NA at night. Helicopter visibility reduction below 1 SM NA. Obtain Arkansas Intl altimeter setting on CTAF (122.7), when not received, use Poplar Bluff Muni altimeter setting and increase all MDA 20 feet and Circling Cat C visibility ⅛ mile.

MISSED APPROACH: Climb to 2400 direct ZOXUM and hold.

ARKANSAS INTL CTAF	MEMPHIS CENTER	CTAF
122.7	133.65 292.15	122.9



CATEGORY	A	B	C	D
LNAV MDA	820-1 552 (600-1)		820-1⅝ 552 (600-1⅝)	NA
CIRCLING	860-1 591 (600-1)		860-1⅝ 591 (600-1⅝)	NA

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

APP CRS	Rwy ldg	4504
332°	TDZE	269
	Apt Elev	269

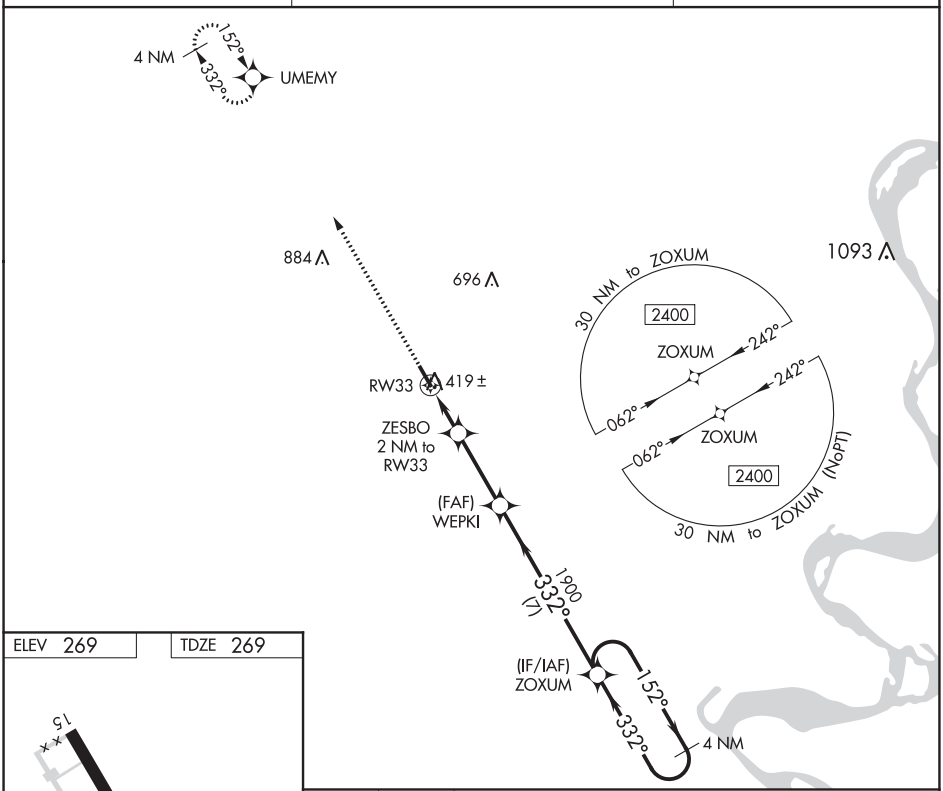
RNAV (GPS) RWY 33
GIDEON MEMORIAL (M85)

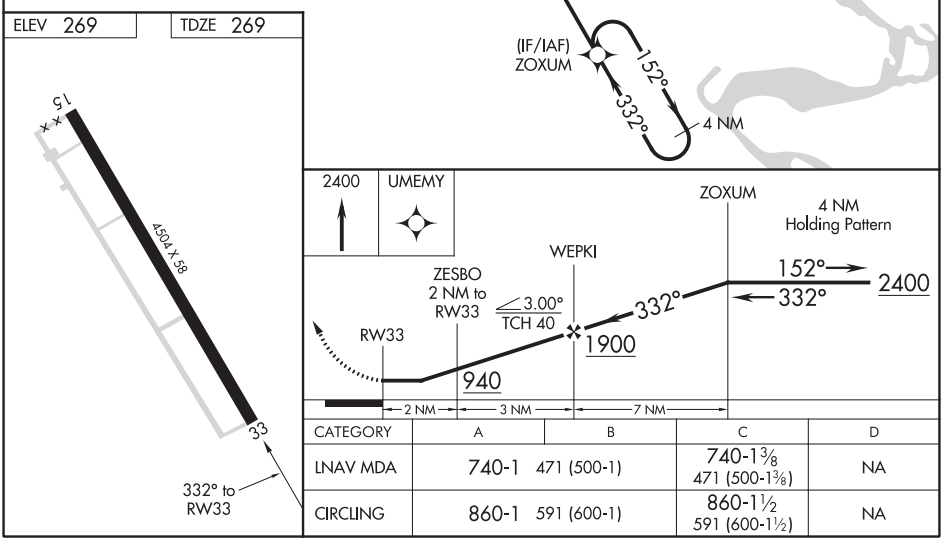
T
A NA

DME/DME RNP-0.3 NA. Procedure NA at night. Helicopter visibility reduction below 1 SM NA. Obtain Arkansas Intl altimeter setting on CTAF (122.7), when not received, use Poplar Bluff altimeter setting and increase all MDA 20 feet and Circling Cat C visibility ¼ mile.

MISSED APPROACH: Climb to 2400 direct UMEMY and hold.

ARKANSAS INTL CTAF	MEMPHIS CENTER	CTAF
122.7	133.65 292.15	122.9





CATEGORY	A	B	C	D
LNAV MDA	740-1 471 (500-1)		740-1⅜ 471 (500-1⅜)	NA
CIRCLING	860-1 591 (600-1)		860-1½ 591 (600-1½)	NA

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

GRAIN VALLEY, MISSOURI

AL-5101 (FAA)

20142

APP CRS	Rwy ldg	4204
088°	TDZE	818
	Apt Elev	835

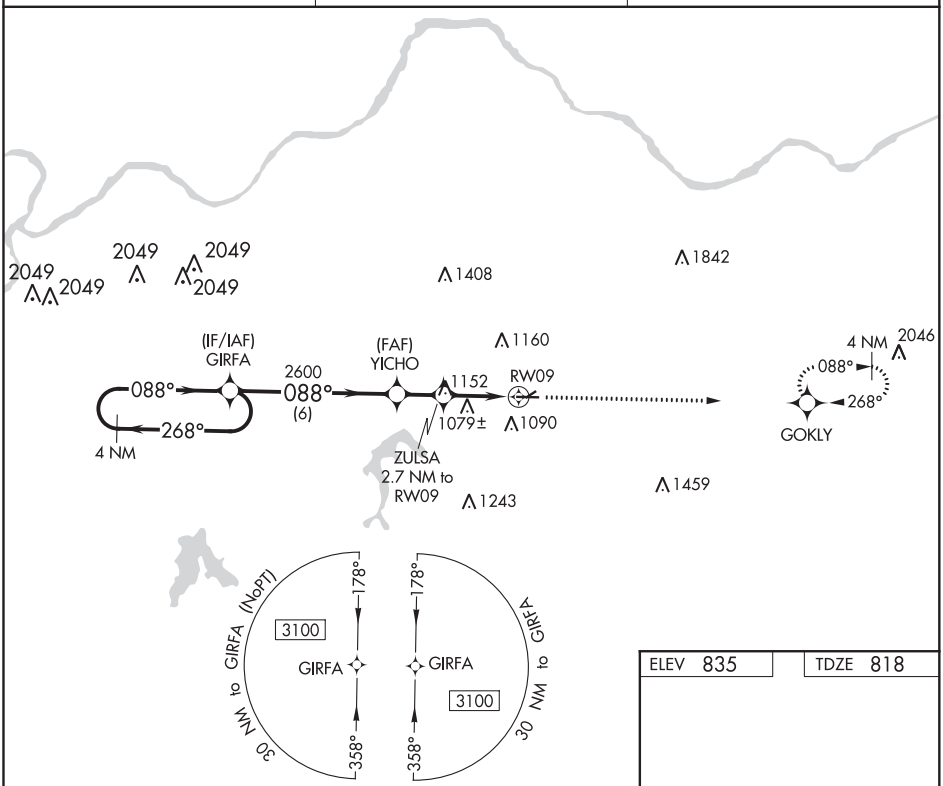
RNAV (GPS) RWY 9
EAST KANSAS CITY (3GV)

T A NA

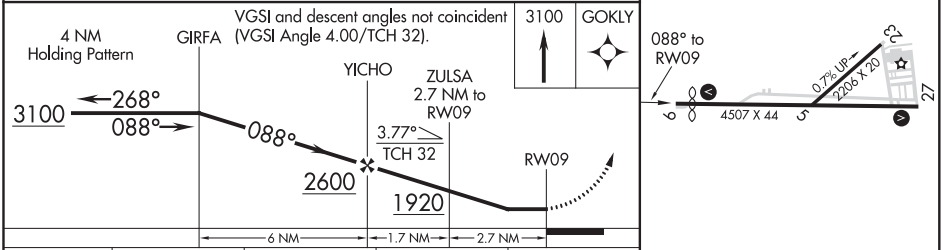
DME/DME RNP-0.3 NA. Helicopter visibility reduction below 1 SM NA. Procedure NA at night. Use Charles B Wheeler Downtown altimeter setting.

MISSED APPROACH: Climb to 3100 direct GOKLY and hold.

KANSAS CITY APP CON	CLNC DEL	UNICOM
118.4 307.35	121.3	122.8 (CTAF) L



ELEV 835 | TDZE 818



CATEGORY	A	B	C	D
LNAV MDA	1400-1	582 (600-1)	NA	
C CIRCLING	1460-1	625 (700-1)	NA	

REIL Rwy 9 L
MIRL Rwy 9-27 L

GRAIN VALLEY, MISSOURI
Orig 13NOV14

39°01′N-94°13′W

EAST KANSAS CITY (3GV)
RNAV (GPS) RWY 9

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

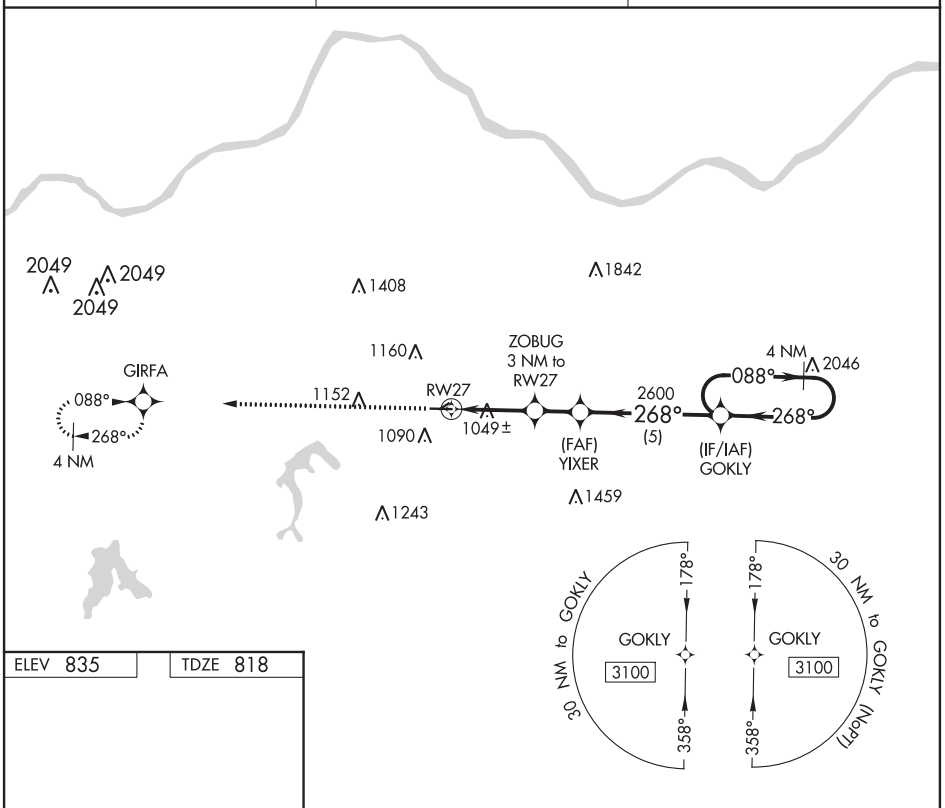
APP CRS	Rwy ldg	4507
268°	TDZE	818
	Apt Elev	835

RNAV (GPS) RWY 27
EAST KANSAS CITY (3GV)

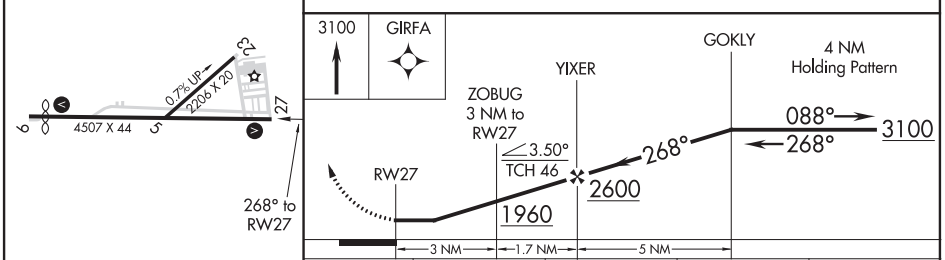
T A NA DME/DME RNP-0.3 NA. Helicopter visibility reduction below 1 SM NA. Procedure NA at night. Use Charles B Wheeler Downtown altimeter setting.

MISSED APPROACH: Climb to 3100 direct GIRFA and hold.

KANSAS CITY APP CON	CLNC DEL	UNICOM
118.4 307.35	121.3	122.8 (CTAF) L



ELEV 835 TDZE 818



CATEGORY	A	B	C	D
LNAV MDA	1360-1 542 (600-1)		NA	
C CIRCLING	1460-1 625 (700-1)		NA	

REIL Rwy 9 L
MIRL Rwy 9-27 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

GREENFIELD, IOWA

AL-6670 (FAA)

20366

RNAV (GPS) RWY 7
GREENFIELD MUNI (GFZ)

WAAS CH 42941 W07A	APP CRS 075°	Rwy ldg 3400 TDZE 1363 Apt Elev 1364

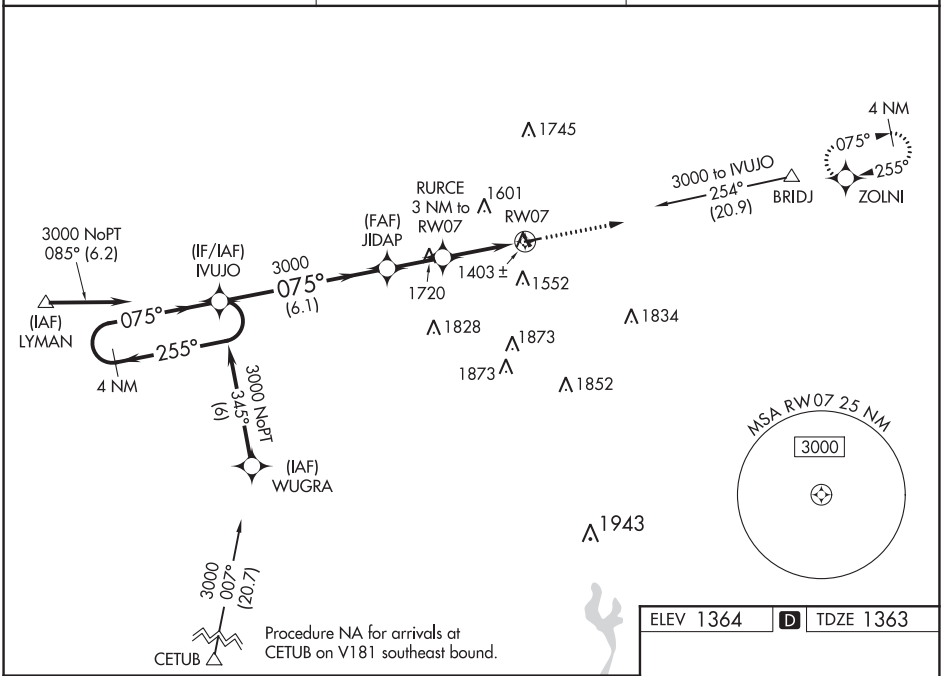
RNP APCH

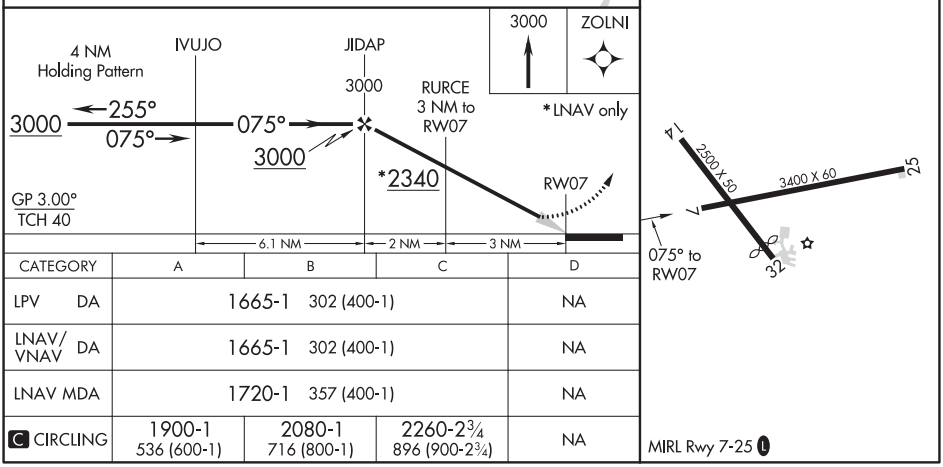
T NA

Circling Rwy 14, 32 NA at night. Use Creston altimeter setting; when not received, use Des Moines altimeter setting: increase DA to 1756 feet and all visibilities ⅛ SM; increase all MDA 100 feet and visibility Cat B ¼ SM and Cat C ⅜ SM. Baro-VNAV NA.

MISSED APPROACH: Climb to 3000 direct ZOLNI and hold.

CSQ AWOS-3	MINNEAPOLIS CENTER	CTAF
124.75	125.65 306.95	122.9 L





CATEGORY	A	B	C	D
LPV DA	1665-1 302 (400-1)			NA
LNAV/VNAV DA	1665-1 302 (400-1)			NA
LNAV MDA	1720-1 357 (400-1)			NA
C CIRCLING	1900-1 536 (600-1)	2080-1 716 (800-1)	2260-2¾ 896 (900-2¾)	NA

GREENFIELD, IOWA

Amdt 1 24MAY18

41°20′N-94°27′W

GREENFIELD MUNI (GFZ)

RNAV (GPS) RWY 7

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 87141 W25A	APP CRS 255°	Rwy ldg 3400 TDZE 1364 Apt Elev 1364

RNAV (GPS) RWY 25
GREENFIELD MUNI (GFZ)

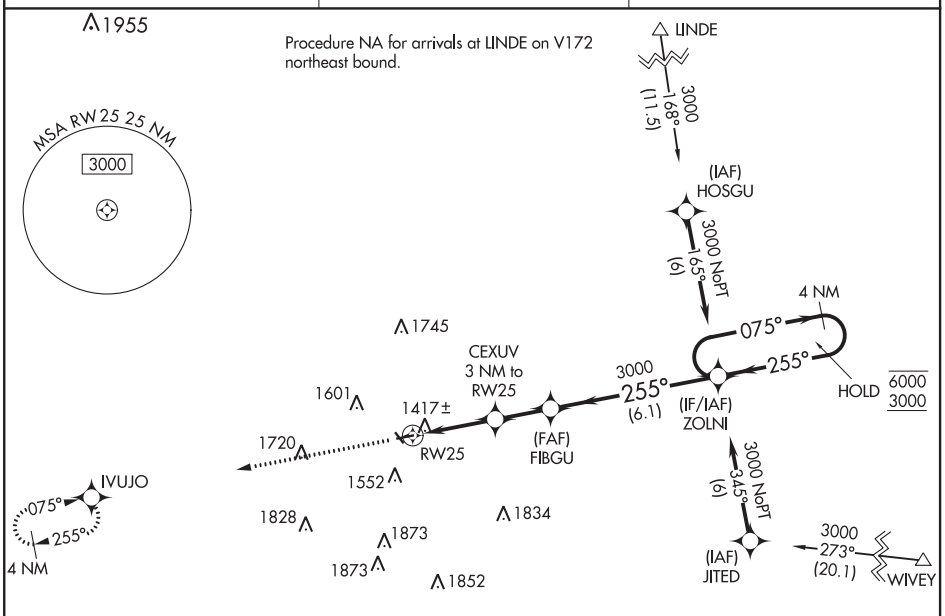
RNP APCH.

T
A NA

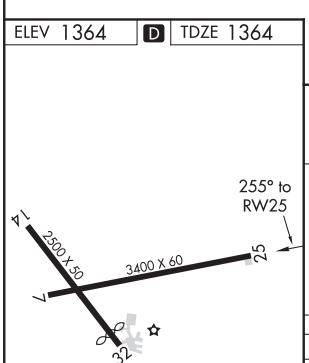
Circling Rwy 14, 32 NA at night.
Baro-VNAV NA.
Use Creston altimeter setting.

MISSED APPROACH: Climb to 3000 direct IVUJO and hold.

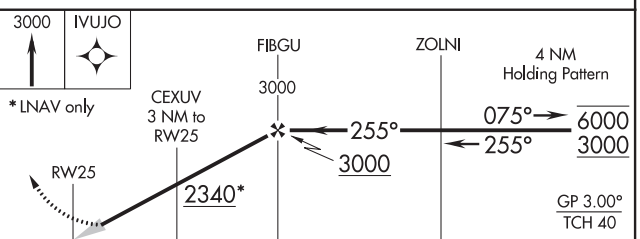
CSQ AWOS-3	MINNEAPOLIS CENTER	CTAF
124.75	125.65 306.95	122.9 L



ELEV 1364 | D | TDZE 1364



MIRL Rwy 7-25 L



CATEGORY		A	B	C	D
LPV	DA	1666-1 302 (400-1)			NA
LNAV/VNAV	DA	1666-1 302 (400-1)			NA
LNAV MDA		1720-1 356 (400-1)			NA
C CIRCLING		1900-1 536 (600-1)	2080-1 716 (800-1)	2260-2¾ 896 (900-2¾)	NA

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

GRINNELL, IOWA AL-6893 (FAA) 19059

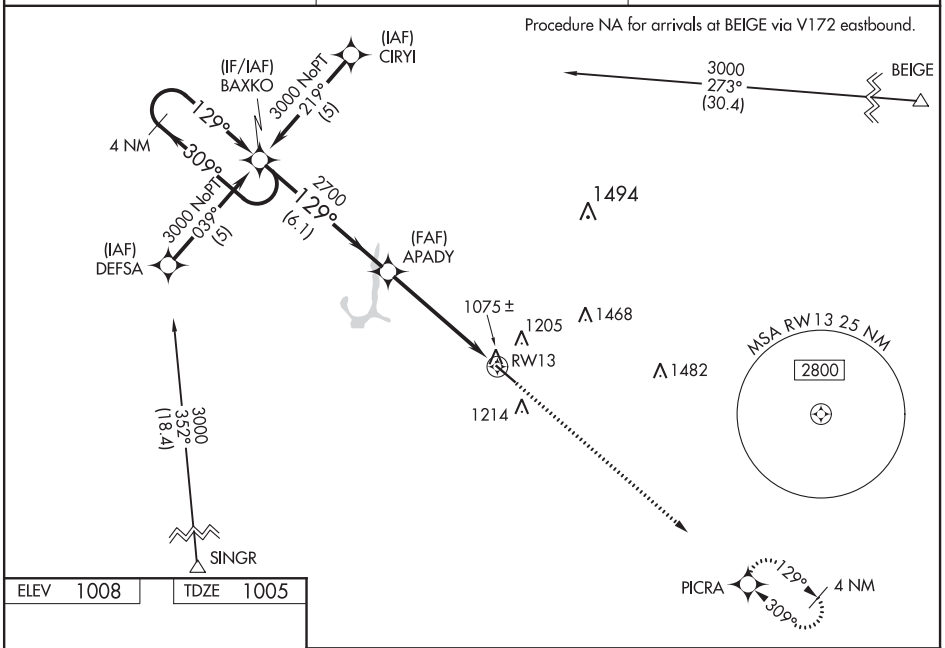
WAAS CH 58107 W13A	APP CRS 129°	Rwy ldg 5000 TDZE 1005 Apt Elev 1008

RNAV (GPS) RWY 13
GRINNELL RGNL (GGI)

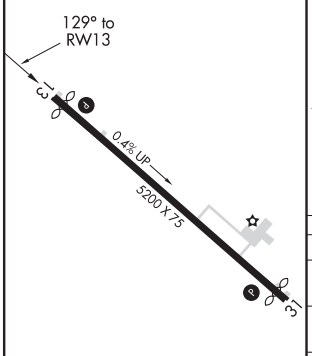
When local altimeter setting not received, use Newton altimeter setting and increase all DAs 38 feet and all MDAs 40 feet, increase LPV and LNAV/VNAV visibility ¼ mile all Cats and LNAV Cat C visibility ¼ mile. Baro-VNAV NA when using Newton altimeter setting.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F).
Visibility reduction by helicopters NA. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 3000 direct PICRA and hold.

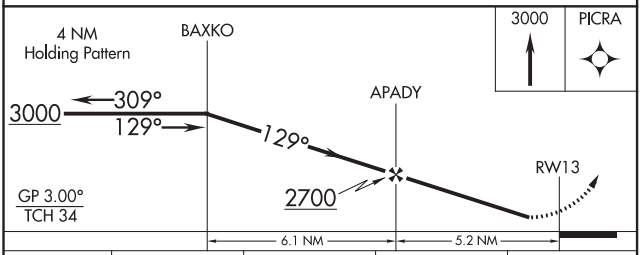
AWOS-3	CHICAGO CENTER	UNICOM
120.725	127.05 319.8	122.8 (CTAF) L



ELEV 1008	TDZE 1005



REIL Rwys 13 and 31 L
MIRL Rwy 13-31 L



CATEGORY	A	B	C	D
LPV DA	1284-1 279 (300-1)			NA
LNAV/VNAV DA	1415-1½ 410 (500-1½)			NA
LNAV MDA	1480-1 475 (500-1)		1480-1¼ 475 (500-1¼)	NA
CIRCLING	1620-1 612 (700-1)		1620-1¾ 612 (700-1¾)	NA

NC-3, 25 FEB 2021 to 22 APR 2021

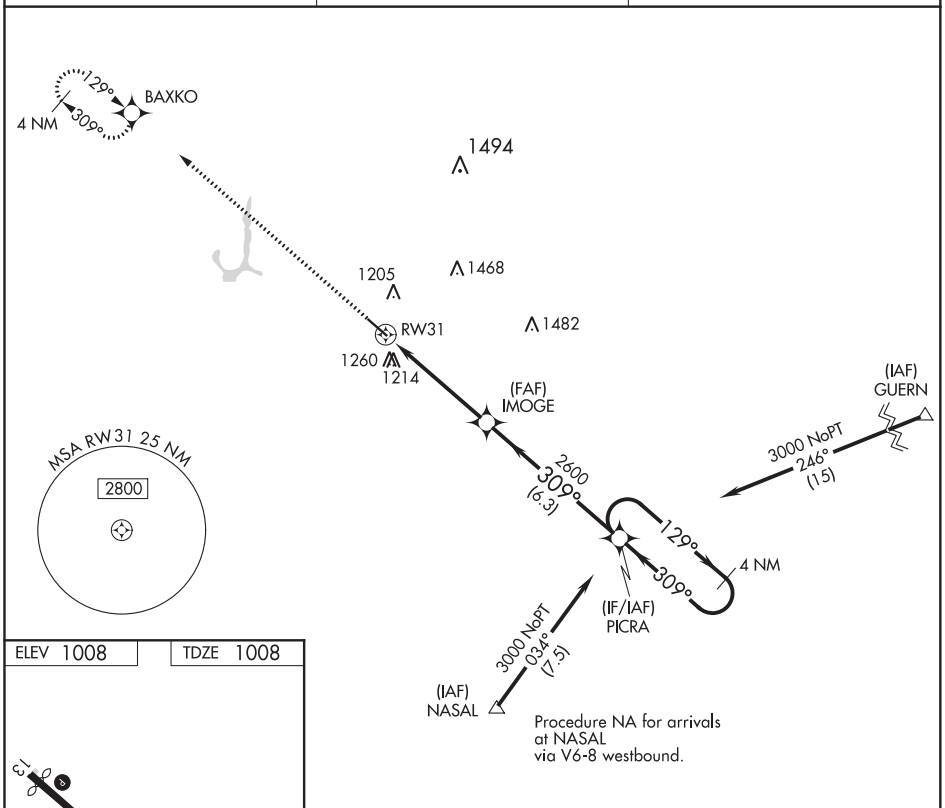
APP CRS	Rwy ldg	5000
309°	TDZE	1008
	Apt Elev	1008

RNAV (GPS) RWY 31
GRINNELL RGNL (GGI)

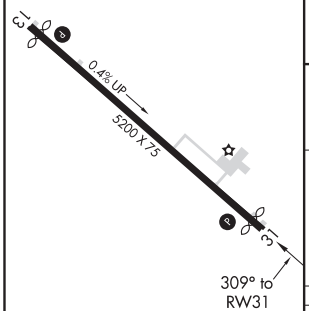
When local altimeter seting not received, use Newton altimeter setting and increase all MDAs 40 feet.
Visibility reduction by helicopters NA.
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 3000 direct BAXKO and hold.

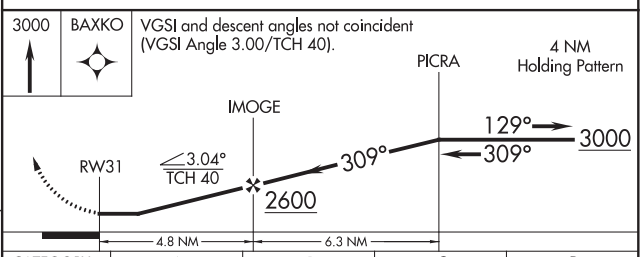
AWOS-3	CHICAGO CENTER	UNICOM
120.725	127.05 319.8	122.8 (CTAF) L



ELEV 1008 | TDZE 1008



REIL Rwys 13 and 31 L
MIRL Rwy 13-31 L



CATEGORY	A	B	C	D
LNAV MDA	1560-1 552 (600-1)		1560-1½ 552 (600-1½)	NA
CIRCLING	1620-1 612 (700-1)		1620-1¾ 612 (700-1¾)	NA

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

GRINNELL, IOWA | AL-6893 (FAA) | 20310

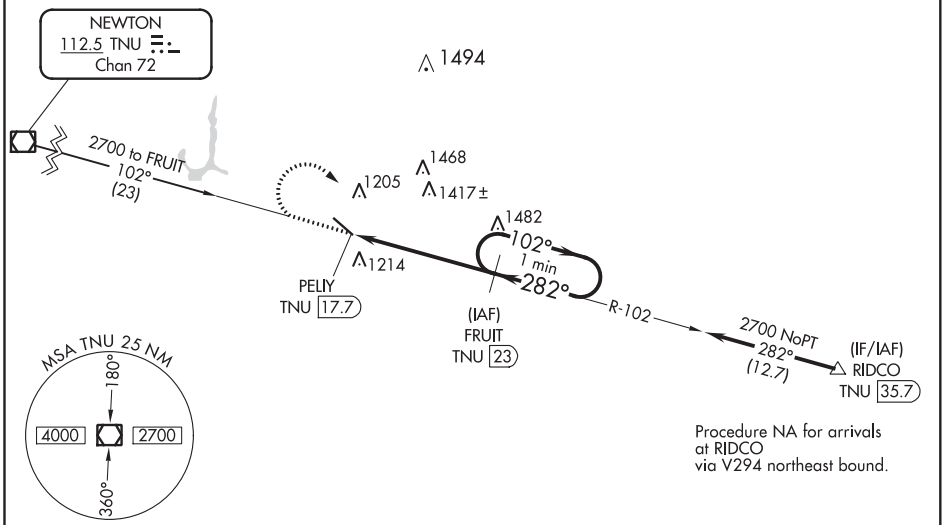
VOR/DME RWY 31
GRINNELL RGNL (GGI)

VOR/DME TNU	APP CRS	Rwy ldg	5000
112.5	282°	TDZE	1008
Chan 72		Apt Elev	1008

When local altimeter setting not received, use Newton altimeter setting and increase all MDAs 40 feet. Visibility reduction by helicopters NA.

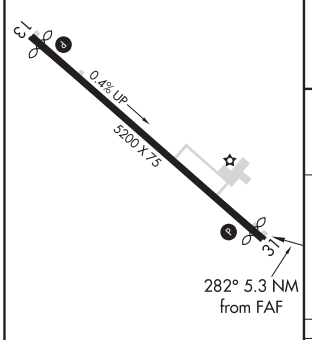
MISSED APPROACH: Climb to 2700 then right turn via TNU VOR/DME R-102 to FRUIT/TNU 23 DME and hold.

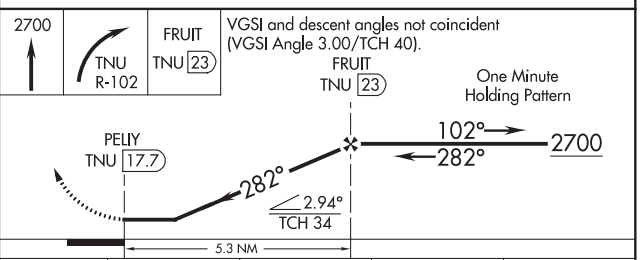
AWOS-3	CHICAGO CENTER	UNICOM
120.725	127.05 319.8	122.8 (CTAF) L



Procedure NA for arrivals at RIDCO via V294 northeast bound.

ELEV 1008	TDZE 1008





CATEGORY	A	B	C	D
S-31	1680-1	672 (700-1)	1680-2 672 (700-2)	NA
CIRCLING	1680-1	672 (700-1)	1680-2 672 (700-2)	NA

REIL Rwys 13 and 31 L
MIRL Rwy 13-31 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

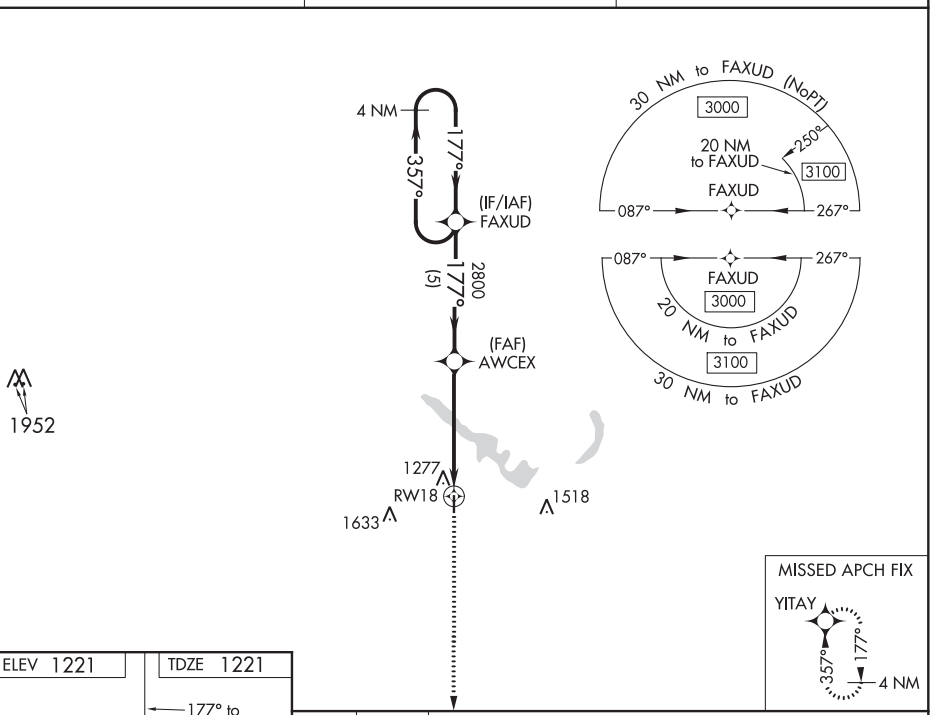
WAAS CH 69533 W18A	APP CRS 177°	Rwy ldg 3400 TDZE 1221 Apt Elev 1221

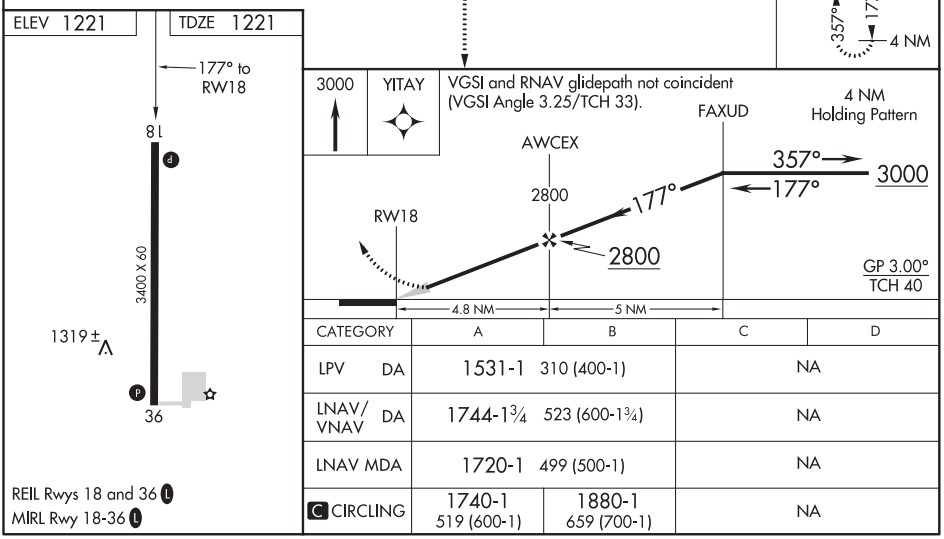
RNAV (GPS) RWY 18
GUTHRIE COUNTY RGNL (GCT)

Baro-VNAV NA. DME/DME RNP-0.3 NA. Use Audubon altimeter setting; when not received, use Carroll altimeter setting and increase LPV DA to 1535, LNAV/VNAV DA to 1748 and all MDA 20 feet; increase LNAV/VNAV all Cats visibility ⅛ mile.

MISSED APPROACH: Climb to 3000 direct YITAY and hold.

ADU AWOS-3	DES MOINES APP CON	UNICOM
118.075	135.2 360.7	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1531-1 310 (400-1)		NA	
LNAV/VNAV DA	1744-1¾ 523 (600-1¾)		NA	
LNAV MDA	1720-1 499 (500-1)		NA	
C CIRCLING	1740-1 519 (600-1)	1880-1 659 (700-1)	NA	

REIL Rwys 18 and 36 L
MIRL Rwy 18-36 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

GUTHRIE CENTER, IOWA | AL-9388 (FAA) | 19339

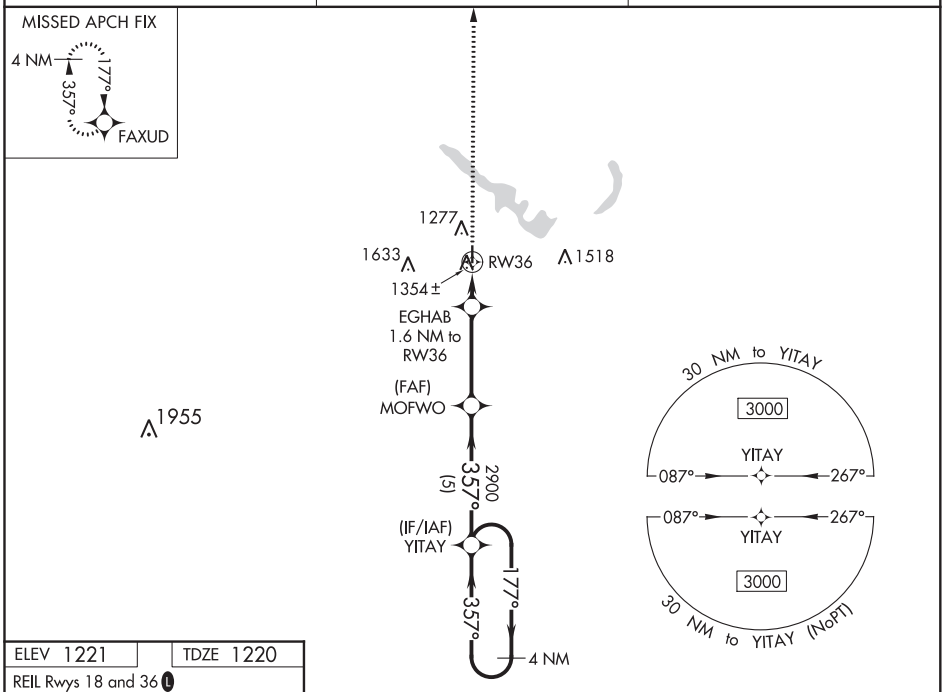
WAAS CH 49233 W36A	APP CRS 357°	Rwy ldg 3400 TDZE 1220 Apt Elev 1221

RNAV (GPS) RWY 36
GUTHRIE COUNTY RGNL (GCT)

T A NA — Baro-VNAV NA. DME/DME RNP-0.3 NA. Use Audubon altimeter setting; when not received, use Carroll altimeter setting and increase LPV DA to 1533, LNAV/VNAV DA to 1580, and all MDA 20 feet. Helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 3000 direct FAXUD and hold.

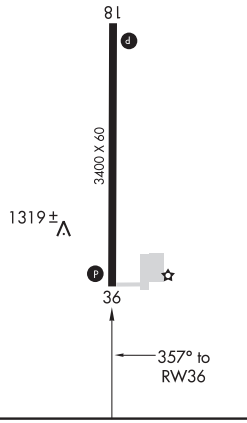
ADU AWOS-3	DES MOINES APP CON	UNICOM
118.075	135.2 360.7	122.8 (CTAF) L

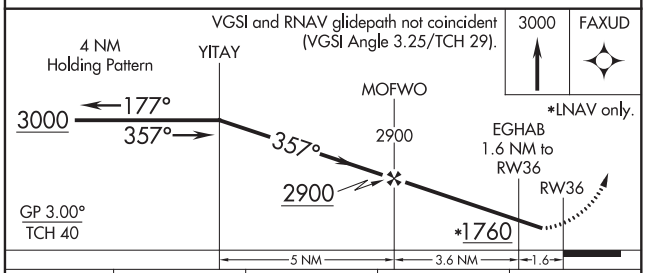


ELEV 1221 | TDZE 1220

REIL Rwys 18 and 36 L

MIRL Rwy 18-36 L





CATEGORY	A	B	C	D
LPV DA	1530-1 310 (400-1)		NA	
LNAV/VNAV DA	1577-1¼ 357 (400-1¼)		NA	
LNAV MDA	1680-1 460 (500-1)		NA	
C CIRCLING	1740-1 519 (600-1)	1880-1 659 (700-1)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

RNAV (GPS) RWY 17

HAMPTON MUNI (HPT)

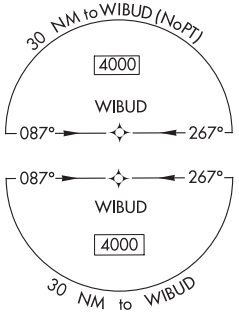
WAAS CH 58133 W17A	APP CRS 177°	Rwy ldg 4020 TDZE 1176 Apt Elev 1176

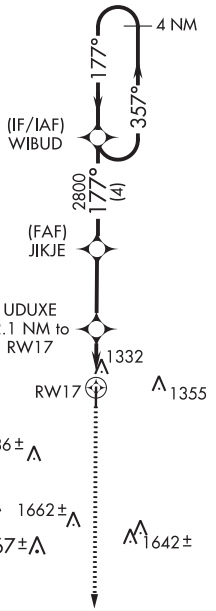
VDP and Baro-VNAV NA when using Mason City altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). DME/DME RNP- 0.3 NA. Helicopter visibility reduction below ¾ SM NA. When local altimeter setting not received, use Mason City altimeter setting and increase all DA 67 feet and all MDA 80 feet, and LNAV/VNAV all Cats visibility ¼ mile.

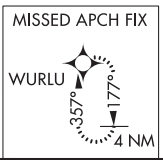
NA

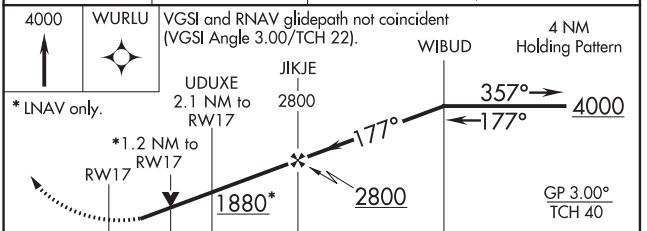
MISSED APPROACH: Climb to 4000 direct WURLU and hold, continue climb-in-hold to 4000.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
121.025	134.0 288.3	122.7 (CTAF) L

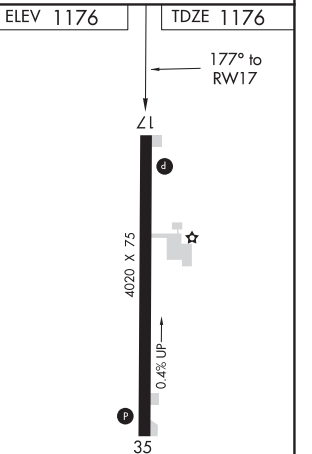








CATEGORY	A	B	C	D
LPV DA	1426-1 250 (300-1)		NA	
LNAV/VNAV DA	1605-1½ 429 (500-1½)		NA	
LNAV MDA	1600-1 424 (500-1)		NA	
C CIRCLING	1640-1 464 (500-1)		NA	



MIRL Rwy 17-35 L
REIL Rwys 17 and 35

HAMPTON, IOWA

AL-6197 (FAA)

19115

RNAV (GPS) RWY 35
HAMPTON MUNI (HPT)

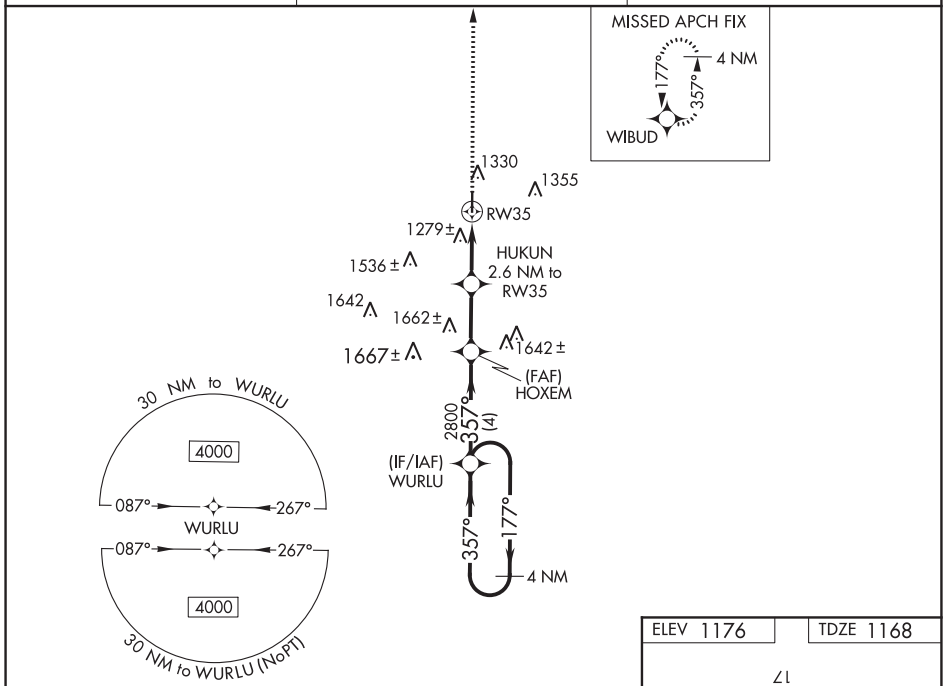
WAAS CH 77833 W35A	APP CRS 357°	Rwy ldg 4020 TDZE 1168 Apt Elev 1176

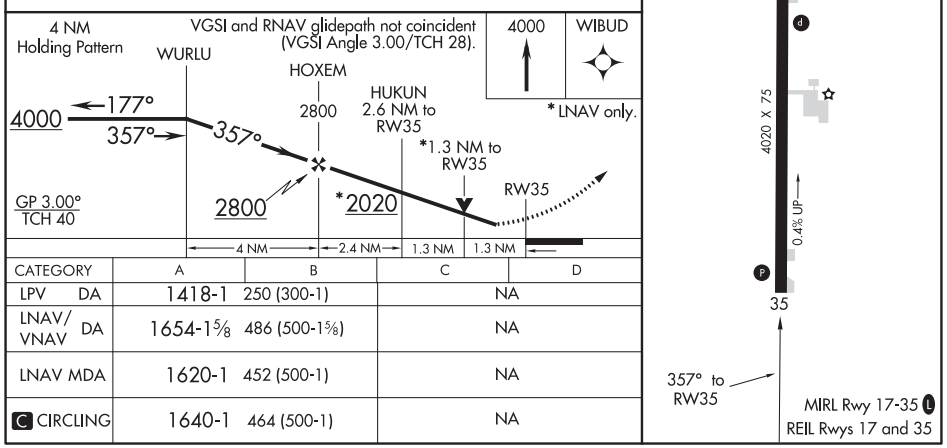
VDP and Baro-VNAV NA when using Mason City altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Helicopter visibility reduction below ¾ SM NA. When local altimeter setting not received, use Mason City altimeter setting and increase all DA 67 feet and all MDA 80 feet, and LNAV/VNAV all Cats visibility ¼ mile.

NA

MISSED APPROACH: Climb to 4000 direct WIBUD and hold, continue climb-in-hold to 4000.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
121.025	134.0 288.3	122.7 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1418-1 250 (300-1)		NA	
LNAV/VNAV DA	1654-1⅝ 486 (500-1⅝)		NA	
LNAV MDA	1620-1 452 (500-1)		NA	
C CIRCLING	1640-1 464 (500-1)		NA	

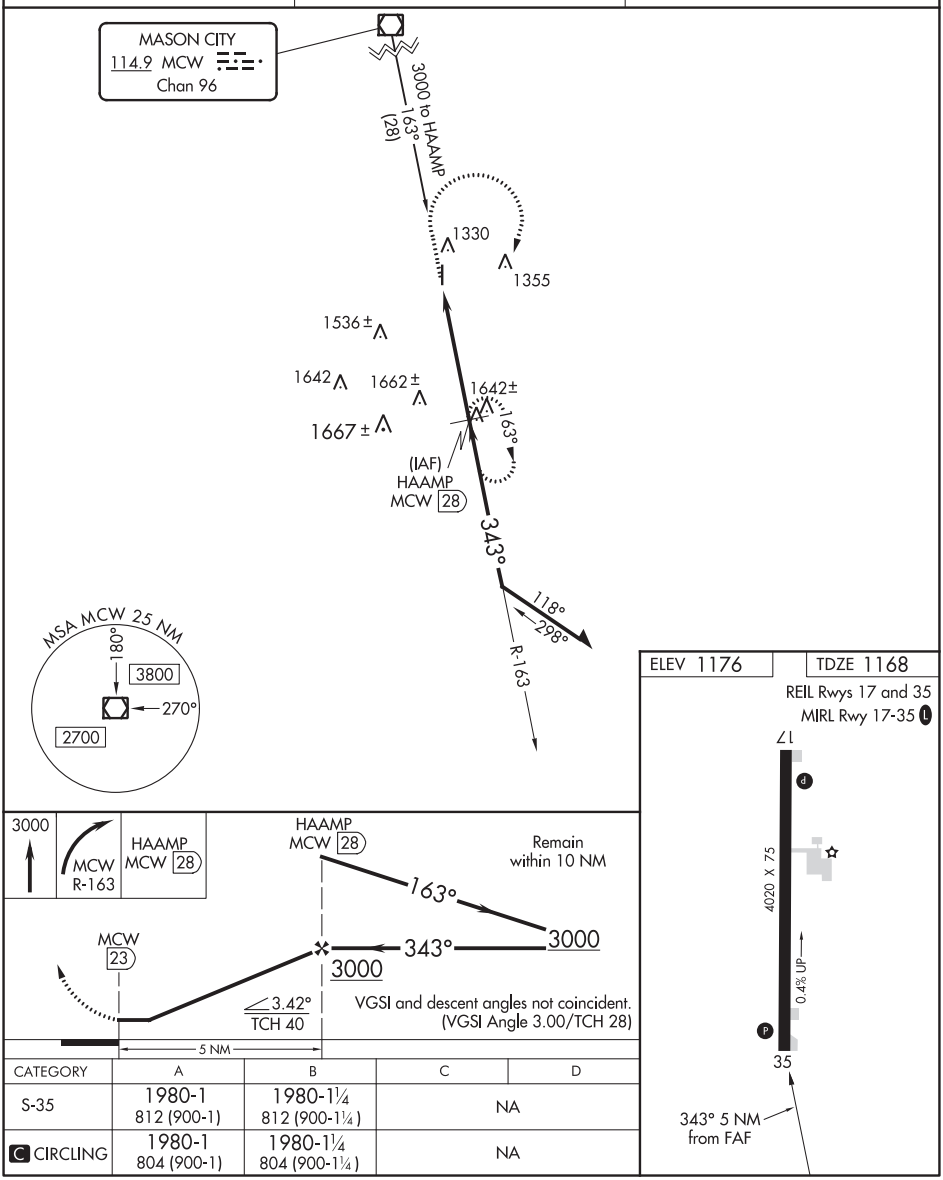
VOR/DME RWY 35
HAMPTON MUNI (HPT)

VOR/DME MCW	APP CRS	Rwy ldg 4020
114.9	343°	TDZE 1168
Chan 96		Apt Elev 1176

Helicopter visibility reduction below ¾ SM NA.
When local altimeter setting not received, use Mason City altimeter setting.

MISSED APPROACH: Climb to 3000 then right turn via MCW R-163 to HAAMP/28 DME and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
121.025	134.0 288.3	122.7 (CTAF) L



CATEGORY	A	B	C	D
S-35	1980-1 812 (900-1)	1980-1¼ 812 (900-1¼)	NA	
C CIRCLING	1980-1 804 (900-1)	1980-1¼ 804 (900-1¼)	NA	

HANNIBAL, MISSOURI

AL-6245 (FAA)

19115

RNAV (GPS) RWY 17
HANNIBAL RGNL (HAE)

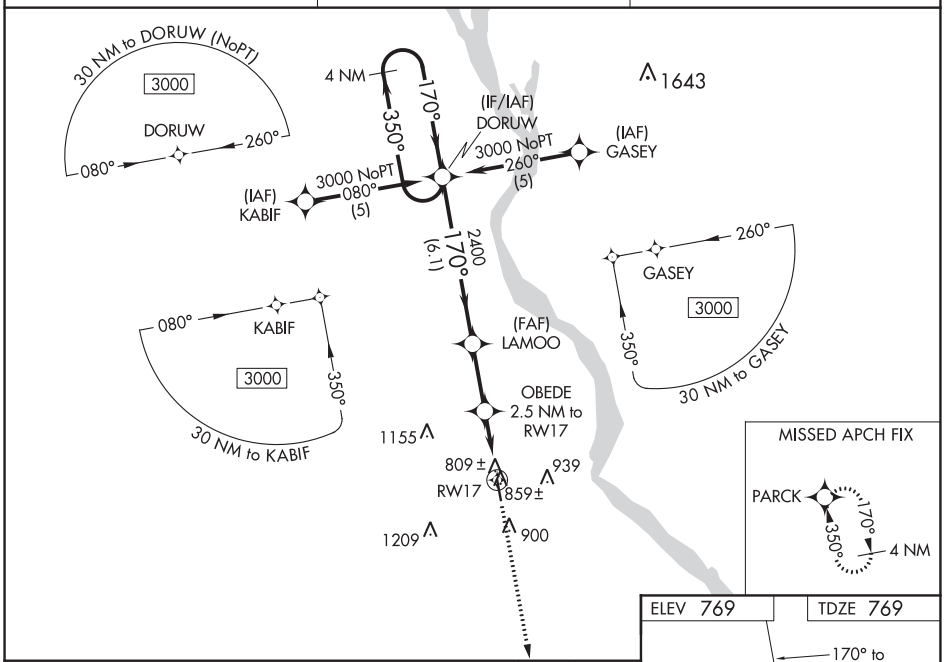
WAAS CH 62812 W17A	APP CRS 170°	Rwy ldg 4400 TDZE 769 Apt Elev 769

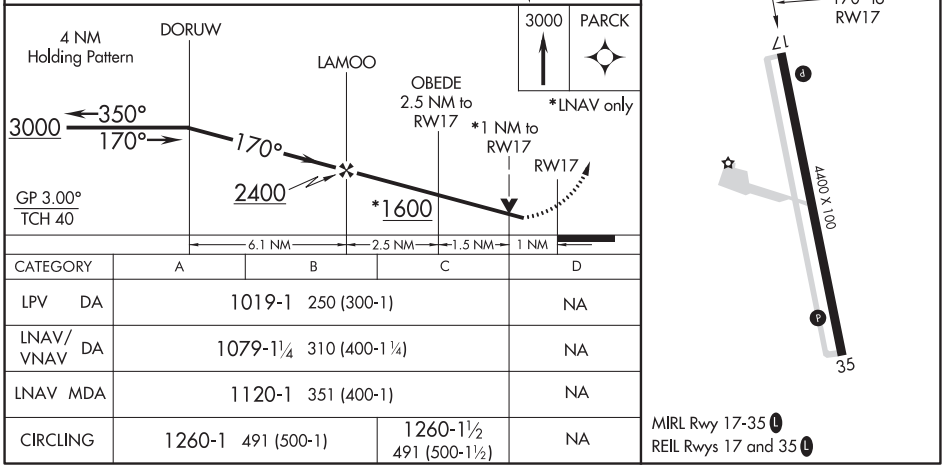
T
NA

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F).
DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA.
When local altimeter setting not received, use Quincy altimeter setting and increase all DA 41 feet, all MDA 60 feet, increase LNAV Cat C visibility ¼ mile.
Baro-VNAV and VDP NA when using Quincy altimeter setting.

MISSED APPROACH: Climb to 3000 direct PARCK and hold.

AWOS-3	KANSAS CITY CENTER	UNICOM
120.775	126.225 317.775	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1019-1 250 (300-1)			NA
LNAV/VNAV DA	1079-1¼ 310 (400-1¼)			NA
LNAV MDA	1120-1 351 (400-1)			NA
CIRCLING	1260-1 491 (500-1)		1260-1½ 491 (500-1½)	NA

HANNIBAL, MISSOURI
Orig 07MAY09

39°44′N-91°27′ W

HANNIBAL RGNL (HAE)
RNAV (GPS) RWY 17

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

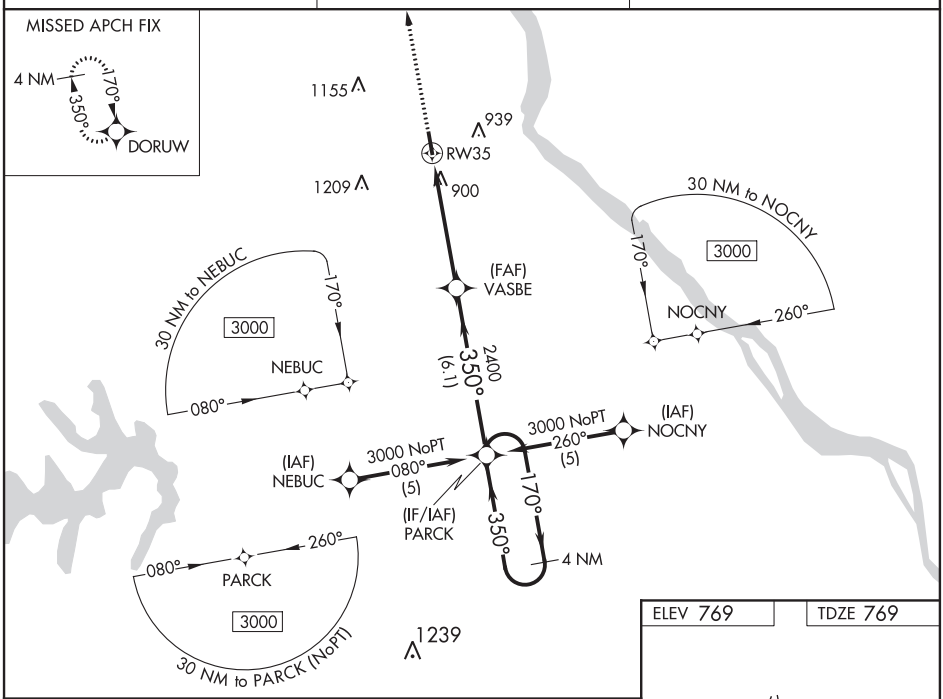
RNAV (GPS) RWY 35
HANNIBAL RGNL (HAE)

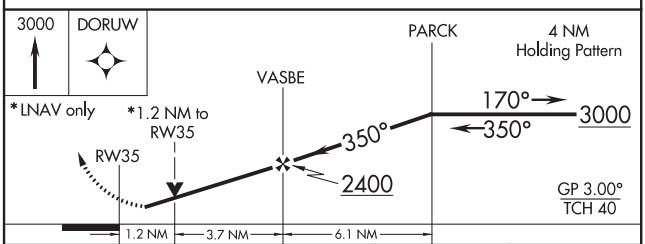
WAAS CH 72612 W35A	APP CRS 350°	Rwy ldg 4400 TDZE 769 Apt Elev 769

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F).
NA DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA.
When local altimeter setting not received, use Quincy altimeter setting and increase all DA 41 feet, all MDA 60 feet.
Baro-VNAV and VDP NA when using Quincy, IL altimeter setting.

MISSED APPROACH: Climb to 3000 direct DORUW and hold.

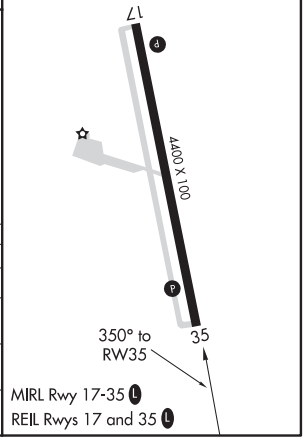
AWOS-3	KANSAS CITY CENTER	UNICOM
120.775	126.225 317.775	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1019-1 250 (300-1)			NA
LNAV/VNAV DA	1242-1¾ 473 (500-1¾)			NA
LNAV MDA	1200-1 431 (500-1)		1200-1¼ 431 (500-1¼)	NA
CIRCLING	1260-1 491 (500-1)		1260-1½ 491 (500-1½)	NA

ELEV 769 TDZE 769



NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

HANNIBAL, MISSOURI | AL-6245 (FAA) | 20310

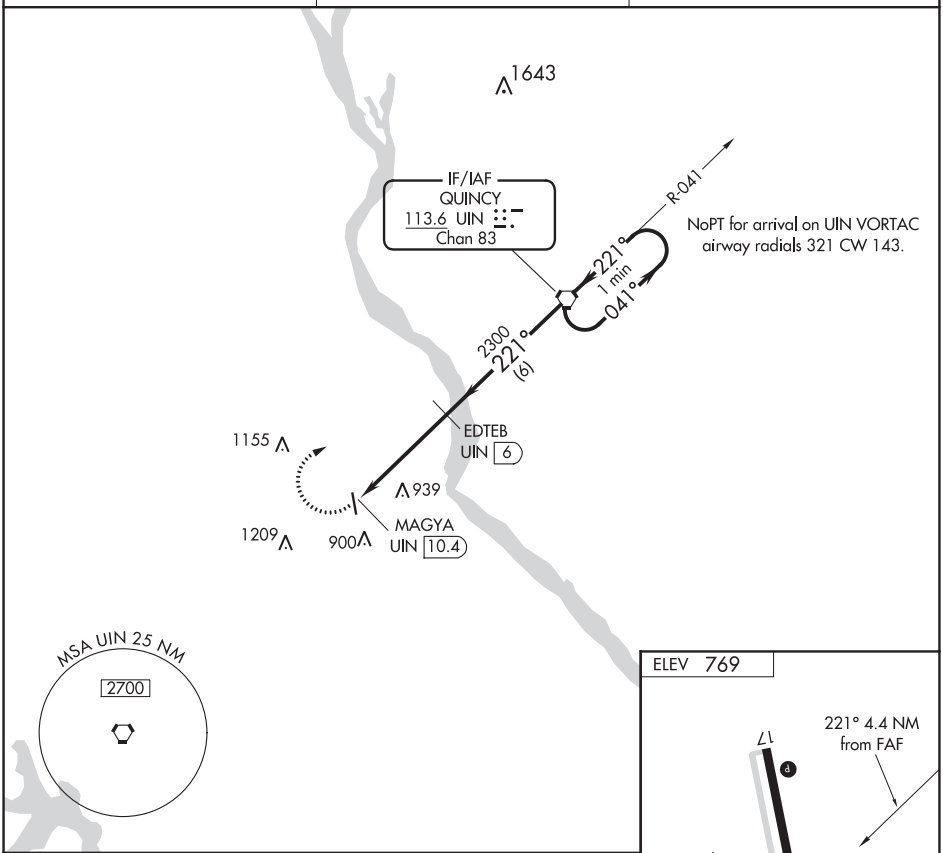
VOR/DME-A
HANNIBAL RGNL (HAE)

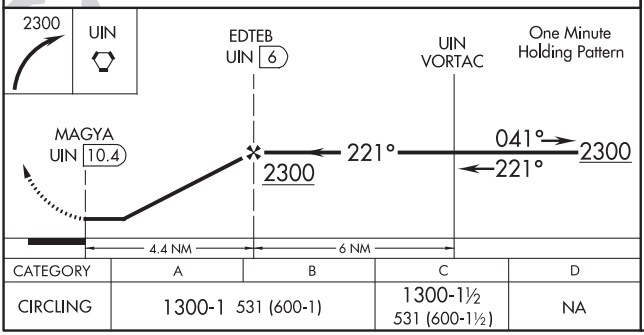
VORTAC UIN 113.6 Chan 83	APP CRS 221°	Rwy ldg N/A TDZE N/A Apt Elev 769

When local altimeter setting not received, use Quincy altimeter setting, increase all MDA 60 feet.

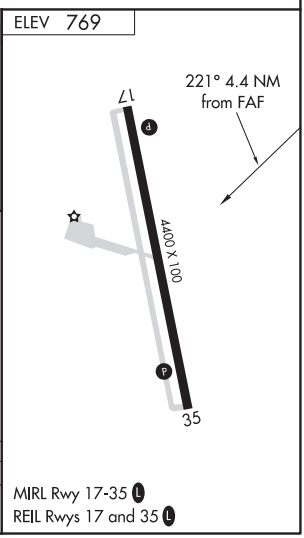
MISSED APPROACH: Climbing right turn to 2300 direct UIN VORTAC and hold.

AWOS-3	KANSAS CITY CENTER	UNICOM
120.775	126.225 317.775	122.8 (CTAF) L





CATEGORY	A	B	C	D
CIRCLING	1300-1 531 (600-1)		1300-1½ 531 (600-1½)	NA



MIRL Rwy 17-35 L
REIL Rwys 17 and 35 L

NC-3, 25 FEB 2021 to 22 APR 2021

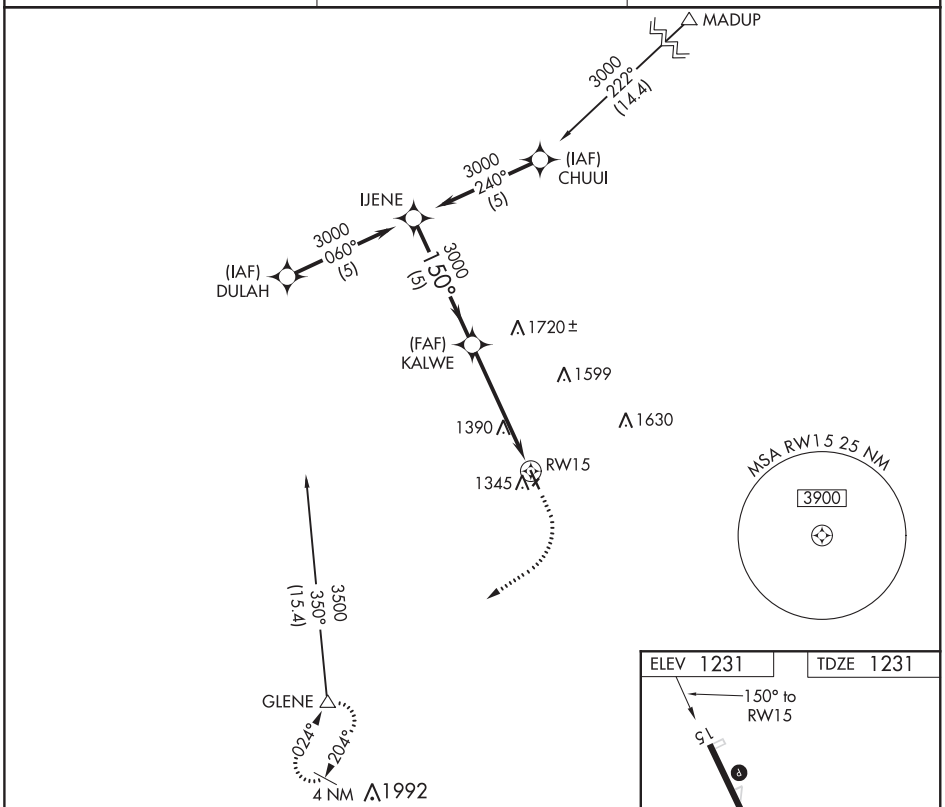
APP CRS	Rwy ldg	4100
150°	TDZE	1231
	Apt Elev	1231

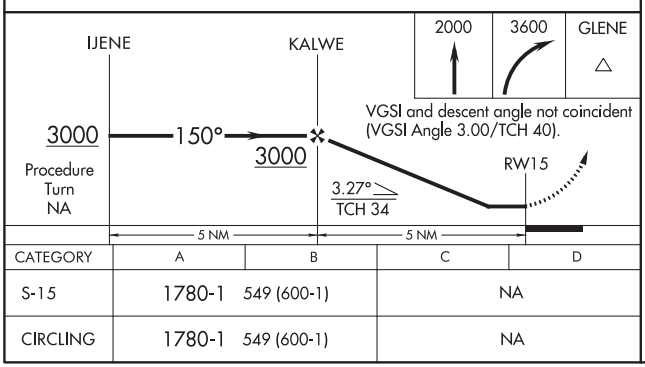
GPS RWY 15
HARLAN MUNI (HNR)

NA — Procedure NA at night. Helicopter visibility reduction below 1 SM NA. Circling NA to Rwy 3 and 21.

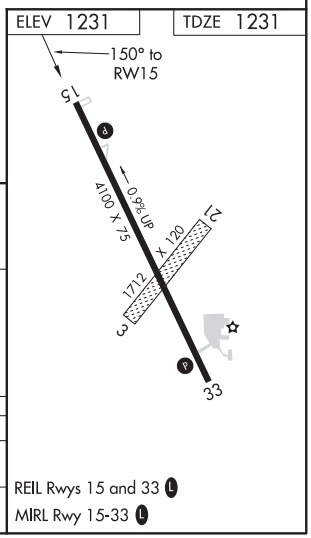
MISSED APPROACH: Climb to 2000, then climbing right turn to 3600 direct GLENE and hold.

AWOS-3	OMAHA APP CON	UNICOM
118.325	124.5 263.0	122.8 (CTAF) L





CATEGORY	A	B	C	D
S-15	1780-1	549 (600-1)	NA	
CIRCLING	1780-1	549 (600-1)	NA	



REIL Rwys 15 and 33 L
MIRL Rwy 15-33 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

HARLAN, IOWA | AL-5762 (FAA) | 19115

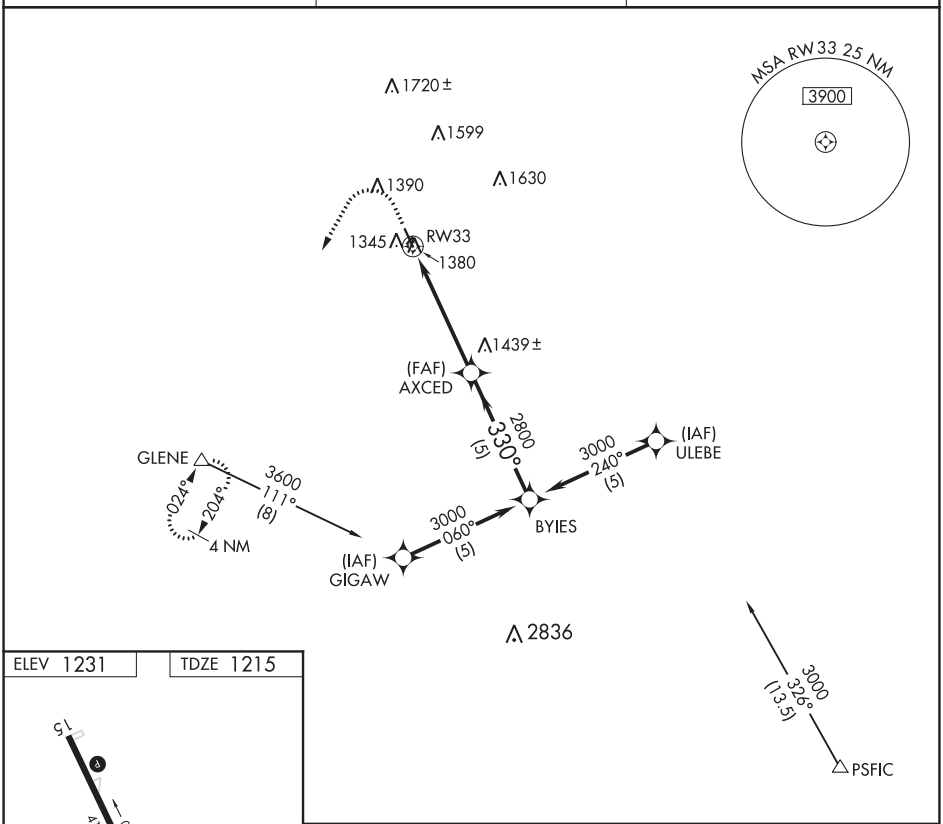
APP CRS	Rwy ldg	4100
330°	TDZE	1215
	Apt Elev	1231

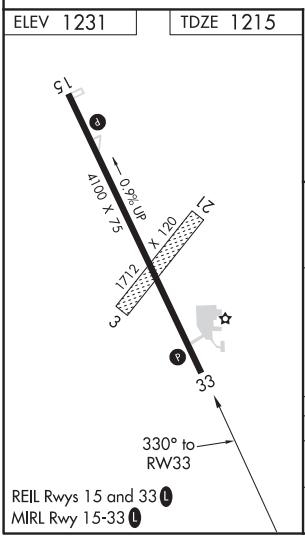
GPS RWY 33
HARLAN MUNI (HNR)

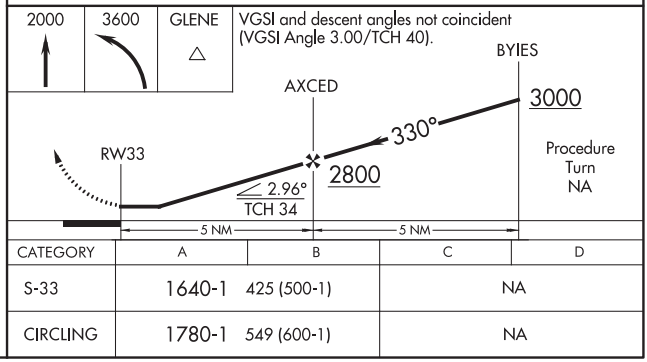
T NA — Procedure NA at night. Helicopter visibility reduction below 1 SM NA. Circling NA to Rwy 3 and 21.

MISSED APPROACH: Climb to 2000, then climbing left turn to 3600 direct GLENE and hold.

AWOS-3	OMAHA APP CON	UNICOM
118.325	124.5 263.0	122.8 (CTAF) L







CATEGORY	A	B	C	D
S-33	1640-1	425 (500-1)	NA	
CIRCLING	1780-1	549 (600-1)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021

APP CRS	Rwy ldg	4000
173°	TDZE	915
	Apt Elev	915

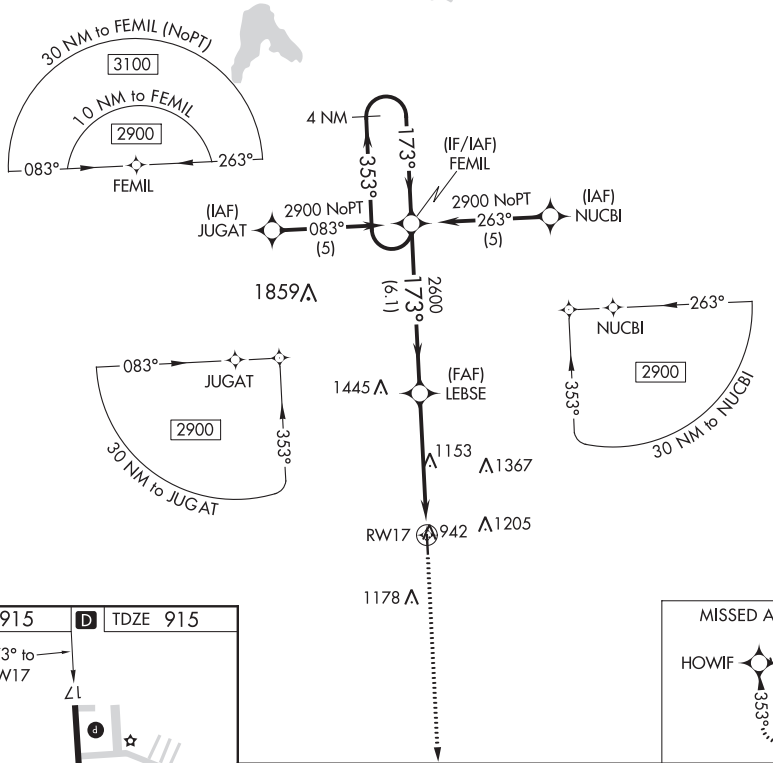
RNAV (GPS) RWY 17
LAWRENCE SMITH MEMORIAL (LRY)

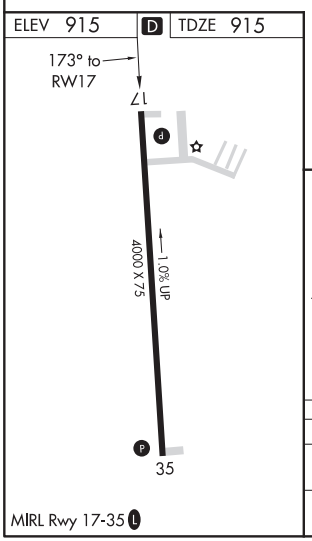
RNP APCH.

When local altimeter setting not received, use Charles B Wheeler Downtown altimeter setting: increase all MDAs 100 feet and visibility Cat C ¼ mile. Procedure NA at night. Rwy 17 helicopter visibility reduction below 1 SM NA.

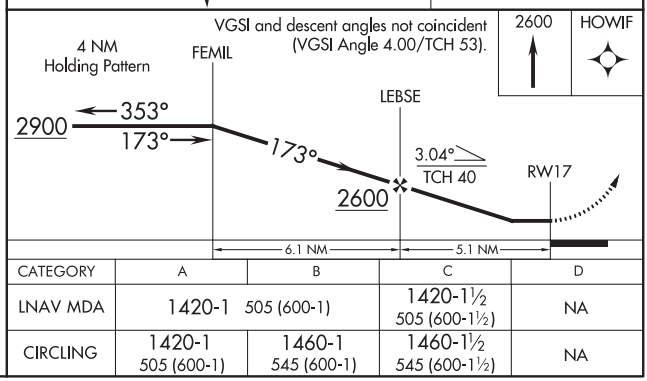
MISSED APPROACH: Climb to 2600 direct HOWIF and hold.

AWOS-3PT	KANSAS CITY CENTER	UNICOM
119.975	125.55 327.0	123.0 (CTAF) L





MIRL Rwy 17-35 L



CATEGORY	A	B	C	D
LNAV MDA	1420-1 505 (600-1)		1420-1½ 505 (600-1½)	NA
CIRCLING	1420-1 505 (600-1)	1460-1 545 (600-1)	1460-1½ 545 (600-1½)	NA

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

HARRISONVILLE, MISSOURI | AL-9144 (FAA) | 19283

APP CRS	Rwy ldg	4000
353°	TDZE	900
	Apt Elev	915

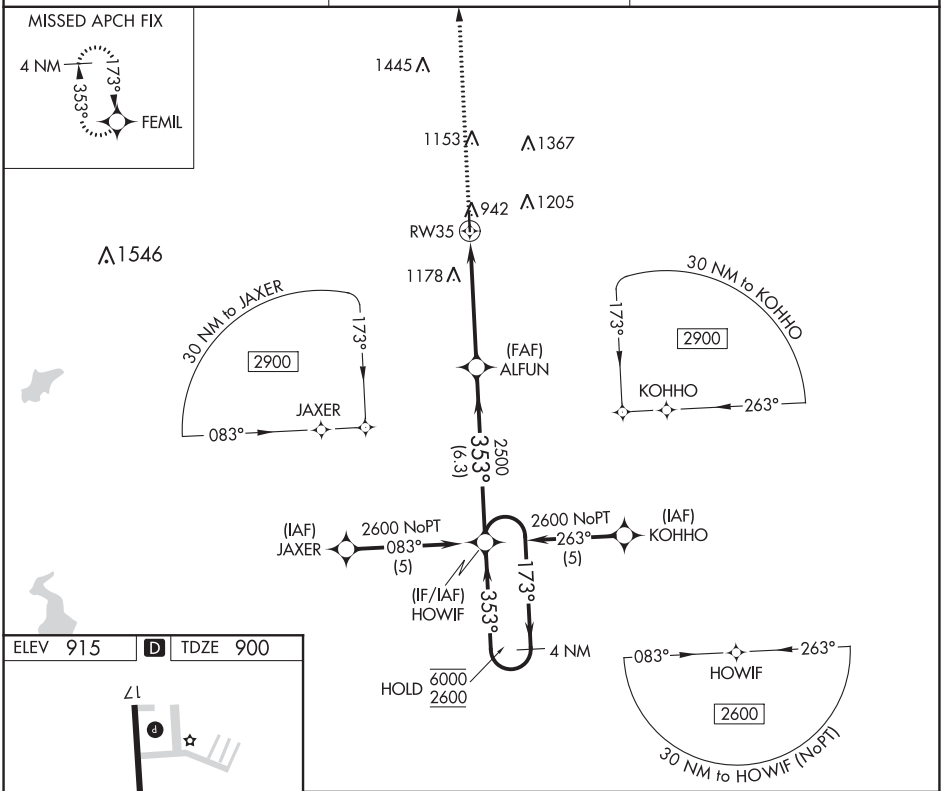
RNAV (GPS) RWY 35
LAWRENCE SMITH MEMORIAL (LRY)

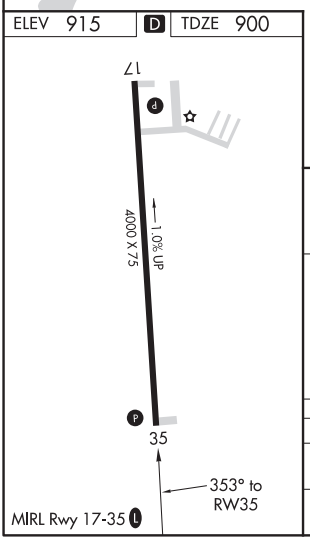
RNP APCH.

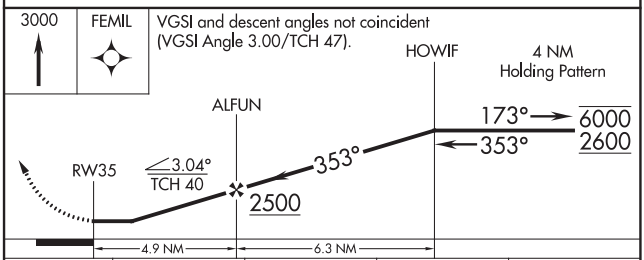
Procedure NA at night.
Rwy 35 helicopter visibility reduction below 1 SM NA.

MISSED APPROACH: Climb to 3000 direct FEMIL and hold.

AWOS-3PT	KANSAS CITY CENTER	UNICOM
119.975	125.55 327.0	123.0 (CTAF)







CATEGORY	A	B	C	D
LNAV MDA	1380-1 480 (500-1)		1380-1⅜ 480 (500-1⅜)	NA
CIRCLING	1400-1 485 (500-1)	1460-1 545 (600-1)	1460-1½ 545 (600-1½)	NA

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH **86601** **W16A**	APP CRS **163°**	Rwy ldg **4400** TDZE **840** Apt Elev **840**

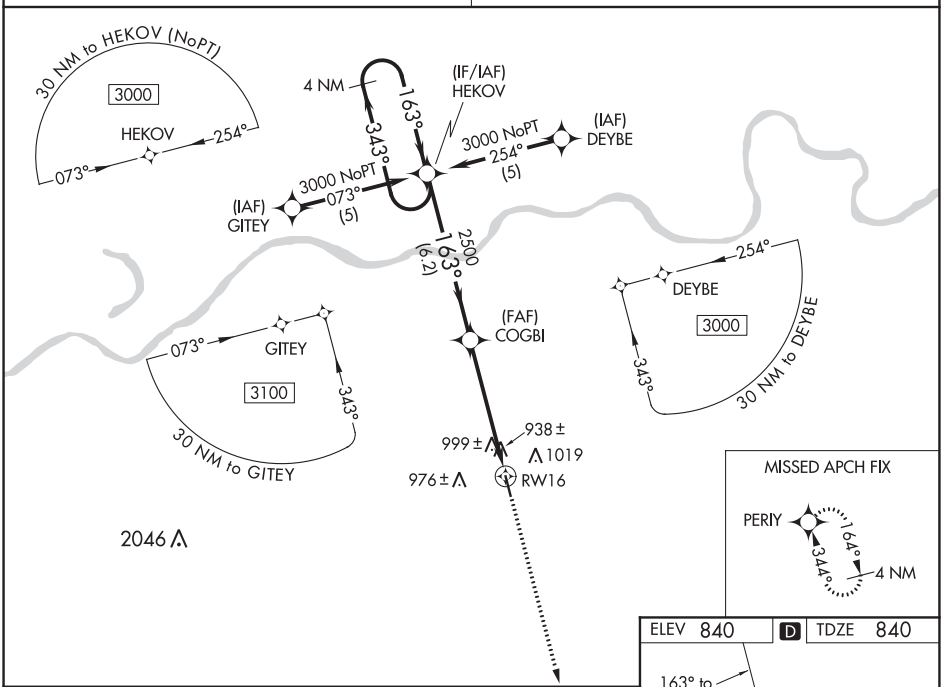
RNAV (GPS) RWY 16
HIGGINSVILLE INDUSTRIAL MUNI (HIG)

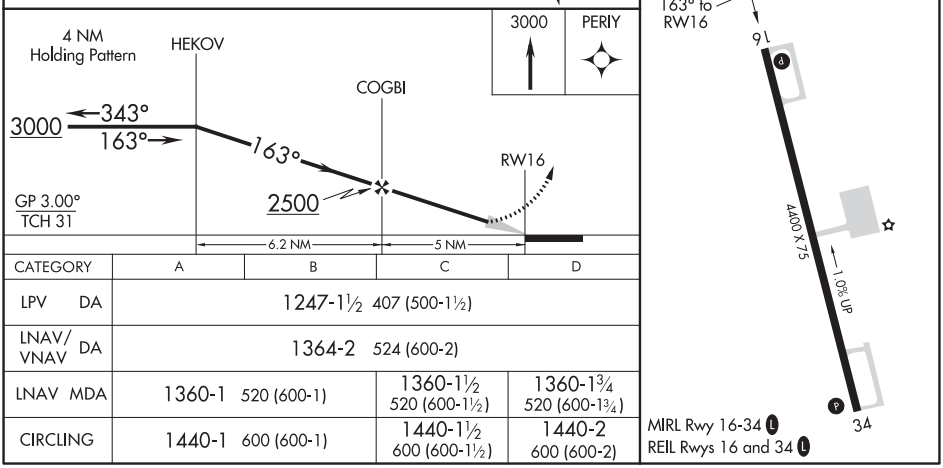
T NA

DME/DME RNP- 0.3 NA. Baro-VNAV NA.
Use Whiteman Air Force Base altimeter setting; if not received, use Lee's Summit Muni altimeter setting and increase LPV DA to 1293, LNAV/VNAV to 1410 and all MDAs 60 feet, increase LPV all Cats and Circling Cat C visibility ¼ mile.

MISSED APPROACH: Climb to 3000 direct PERIY and hold.

WHITEMAN APP CON ★	UNICOM
127.45 284.0	**122.8** (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1247-1½ 407 (500-1½)			
LNAV/VNAV DA	1364-2 524 (600-2)			
LNAV MDA	1360-1 520 (600-1)		1360-1½ 520 (600-1½)	1360-1¾ 520 (600-1¾)
CIRCLING	1440-1 600 (600-1)		1440-1½ 600 (600-1½)	1440-2 600 (600-2)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

HIGGINSVILLE, MISSOURI | AL-10265 (FAA) | 20310

WAAS CH 45901 W34A	APP CRS 343°	Rwy ldg 4400 TDZE 826 Apt Elev 840

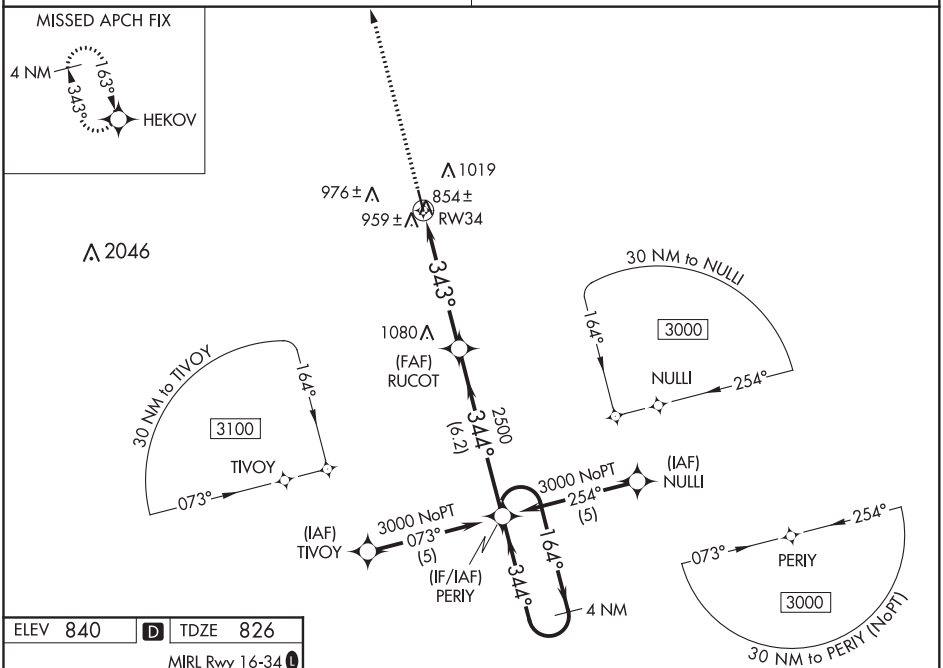
RNAV (GPS) RWY 34
HIGGINSVILLE INDUSTRIAL MUNI (HIG)

T
A NA

DME/DME RNP-0.3 NA. Baro-VNAV NA.
Use Whiteman Air Force Base altimeter setting; if not received, use Lee's Summit Muni altimeter setting and increase LPV to 1190, LNAV/VNAV to 1329 and all MDAs 60 feet, increase LPV all Cats, LNAV/VNAV all Cats, LNAV Cat C and D and Circling Cat C visibilities ¼ mile.

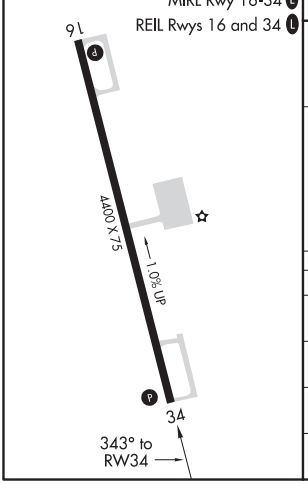
MISSED APPROACH: Climb to 3000 direct HEKOV and hold.

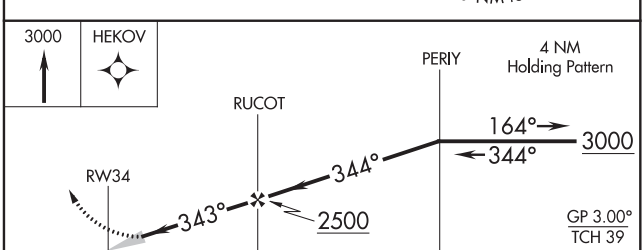
WHITEMAN APP CON ★	UNICOM
127.45 284.0	122.8 (CTAF) L



ELEV 840 | D | TDZE 826

MIRL Rwy 16-34 L
REIL Rwys 16 and 34 L





CATEGORY	A	B	C	D
LPV DA	1144-1¼ 318 (400-1¼)			
LNAV/VNAV DA	1283-1¾ 457 (500-1¾)			
LNAV MDA	1300-1 474 (500-1)		1300-1¼ 474 (500-1¼)	1300-1½ 474 (500-1½)
CIRCLING	1440-1 600 (600-1)		1440-1½ 600 (600-1½)	1440-2 600 (600-2)

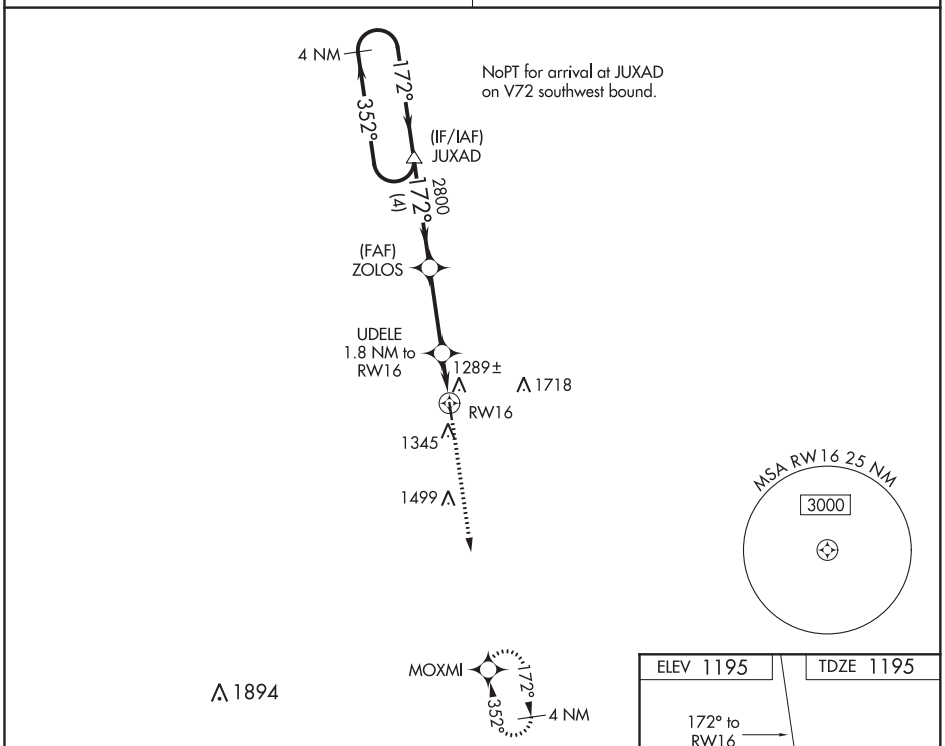
WAAS CH 97329 W16A	APP CRS 172°	Rwy ldg 3500 TDZE 1195 Apt Elev 1195

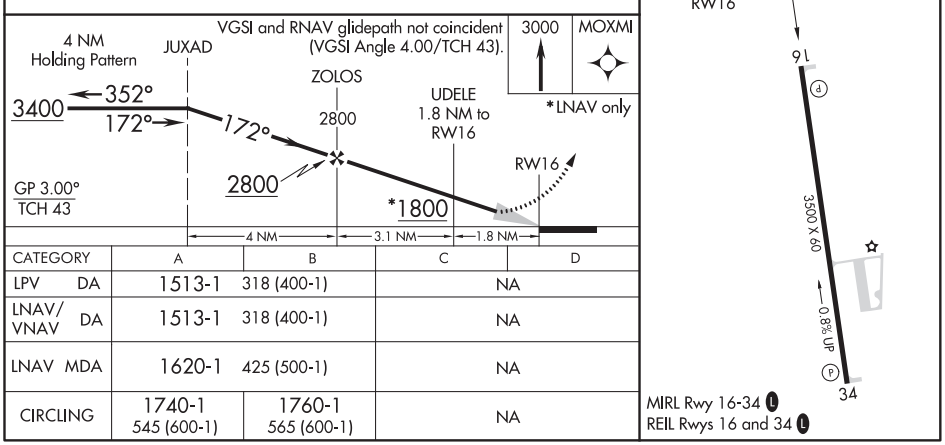
RNAV (GPS) RWY 16
HOUSTON MEMORIAL (M48)

T A NA — Baro-VNAV NA. DME/DME RNP-0.3 NA. Use Fort Leonard Wood altimeter setting, when not received use West Plains altimeter setting.

MISSED APPROACH: Climb to 3000 direct MOXMI and hold.

KANSAS CITY CENTER	CTAF
128.35 284.675	122.9 L





CATEGORY	A	B	C	D
LPV DA	1513-1	318 (400-1)	NA	
LNAV/VNAV DA	1513-1	318 (400-1)	NA	
LNAV MDA	1620-1	425 (500-1)	NA	
CIRCLING	1740-1 545 (600-1)	1760-1 565 (600-1)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

HOUSTON, MISSOURI | AL-9356 (FAA) | 20310

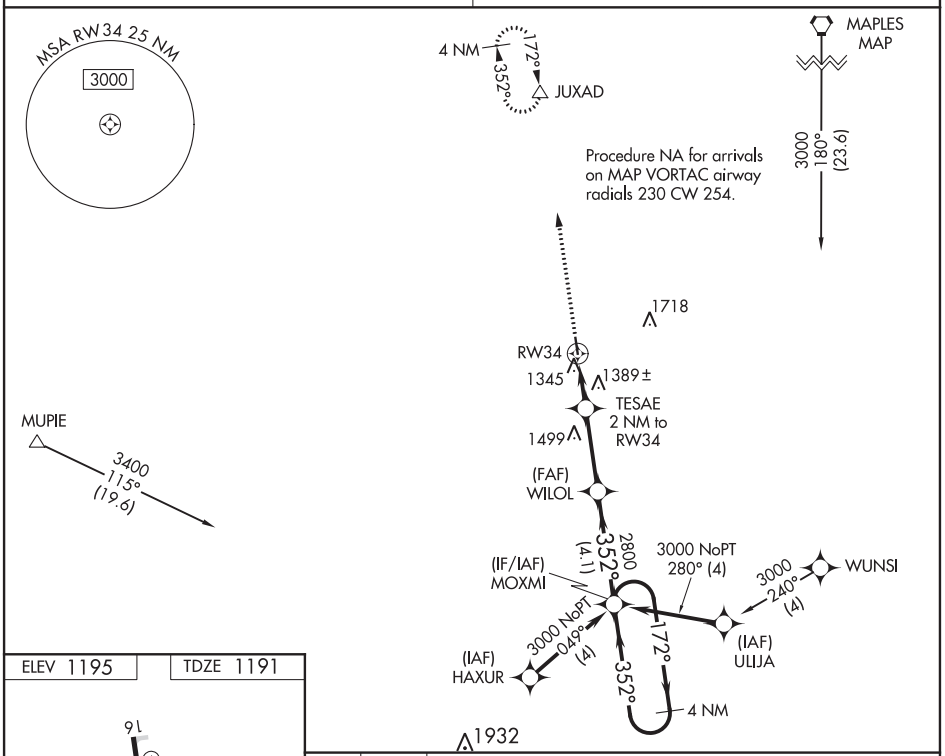
RNAV (GPS) RWY 34
HOUSTON MEMORIAL (M48)

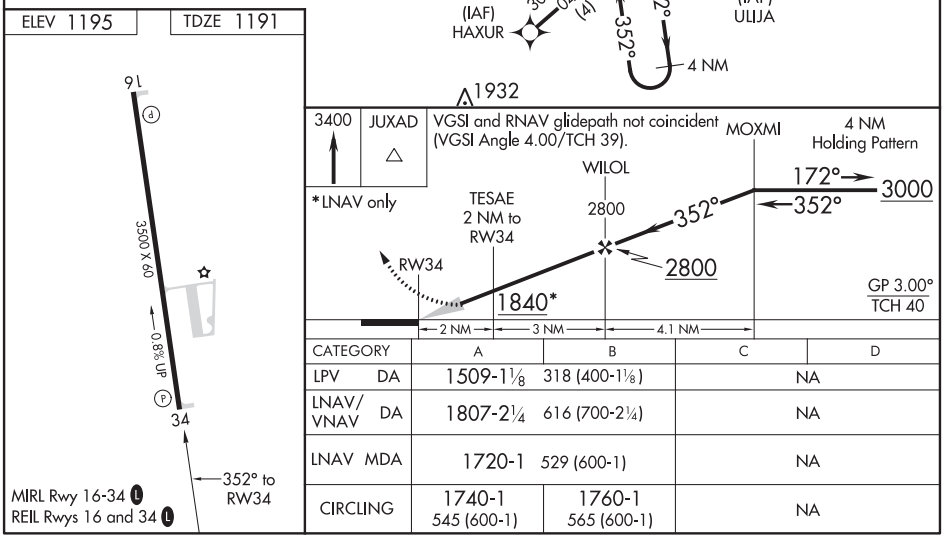
WAAS CH 72728 W34A	APP CRS 352°	Rwy ldg 3500 TDZE 1191 Apt Elev 1195

T A NA — Baro-VNAV NA. DME/DME RNP-0.3 NA. Use Fort Leonard Wood altimeter setting, when not received use West Plains altimeter setting.

MISSED APPROACH: Climb to 3400 direct JUXAD and hold.

KANSAS CITY CENTER	CTAF
128.35 284.675	122.9 L





CATEGORY	A	B	C	D
LPV DA	1509-1⅛	318 (400-1⅛)	NA	
LNAV/VNAV DA	1807-2¼	616 (700-2¼)	NA	
LNAV MDA	1720-1	529 (600-1)	NA	
CIRCLING	1740-1 545 (600-1)	1760-1 565 (600-1)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 53427 W18A	APP CRS 179°	Rwy ldg 5500 TDZE 970 Apt Elev 979

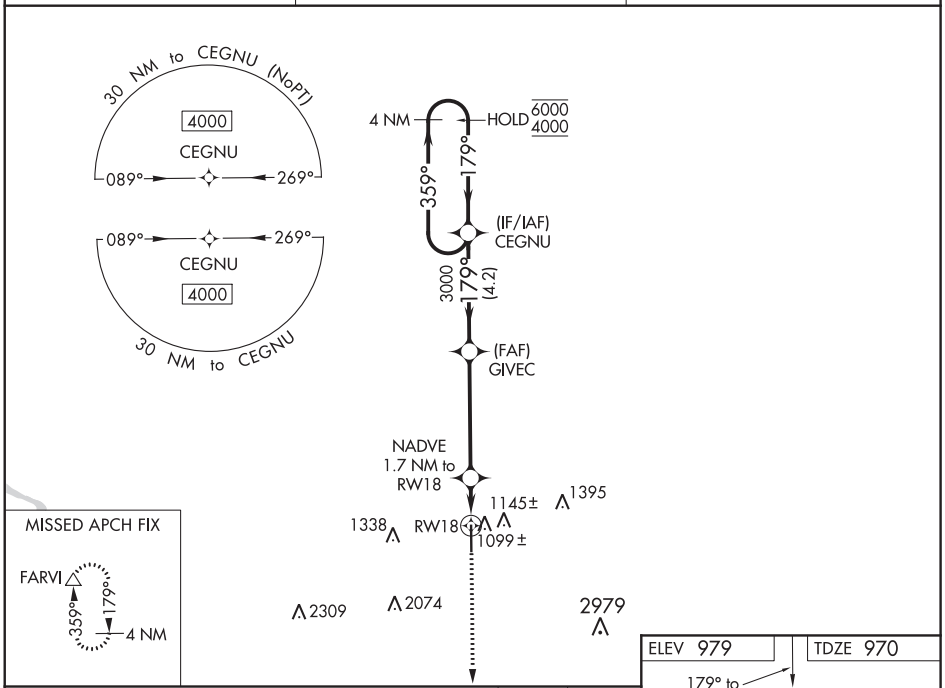
RNAV (GPS) RWY 18
JAMES H CONNELL FLD AT INDEPENDENCE MUNI (IIB)

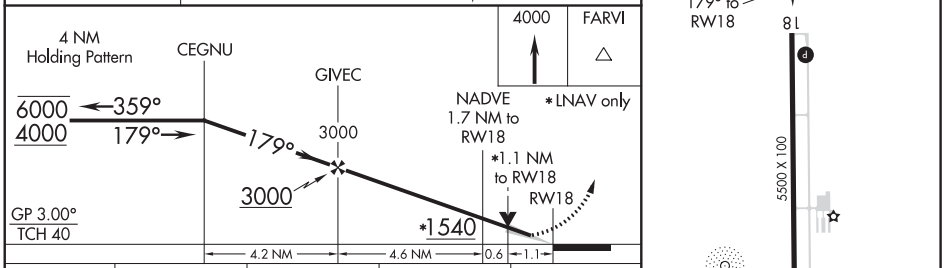
RNP APCH.

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C or above 54°C .

MISSED APPROACH: Climb to 4000 direct FARVI and hold, continue climb-in-hold to 4000.

AWOS-3	WATERLOO APP CON *	UNICOM
120.825	118.9 251.15	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1220-¾ 250 (300-¾)			
LNAV/VNAV DA	1280-⅞ 310 (400-⅞)			
LNAV MDA	1360-1 390 (400-1)		1360-1⅛ 390 (400-1⅛)	
C CIRCLING	1500-1 521 (600-1)		1700-2 721 (800-2)	2440-3 1461 (1500-3)

MIRL Rwy 18-36 L
REIL Rwys 18 and 36 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

INDEPENDENCE, IOWA

AL-6669 (FAA)

20142

RNAV (GPS) RWY 36

JAMES H CONNELL FLD AT INDEPENDENCE MUNI (IIB)

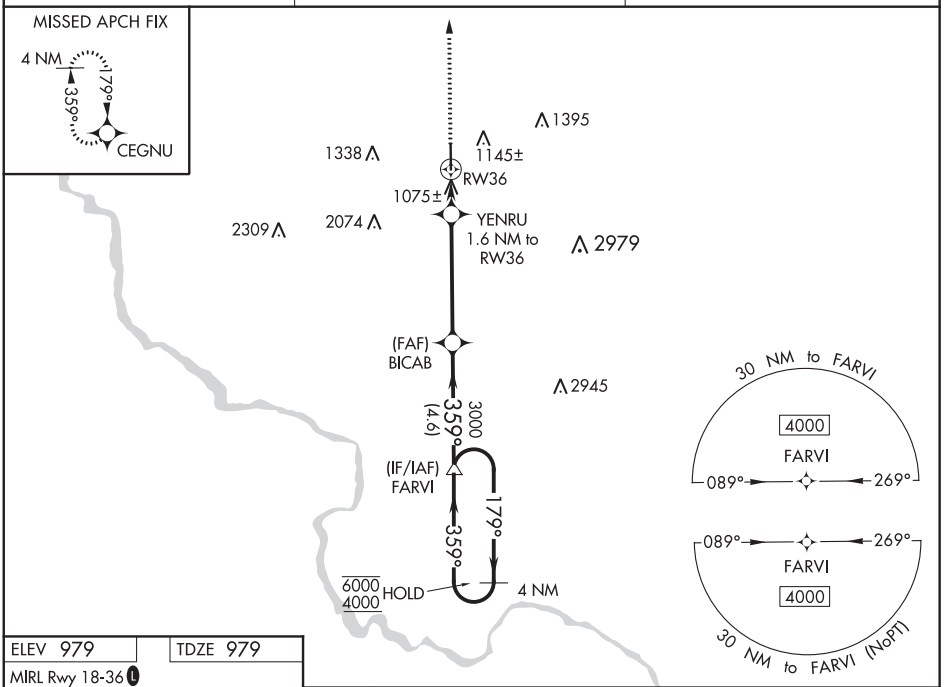
WAAS CH 90341 W36A	APP CRS 359°	Rwy ldg 5500 TDZE 979 Apt Elev 979

RNP APCH.

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C or above 54°C.

MISSED APPROACH: Climb to 4000 direct CEGNU and hold, continue climb-in-hold to 4000.

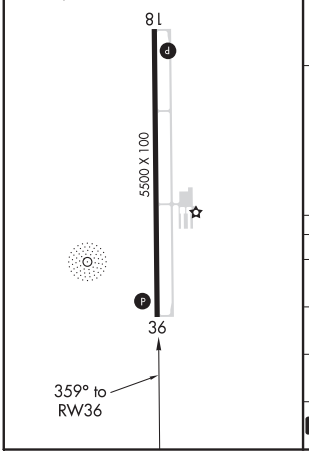
AWOS-3	WATERLOO APP CON *	UNICOM
120.825	118.9 251.15	122.8 (CTAF) L

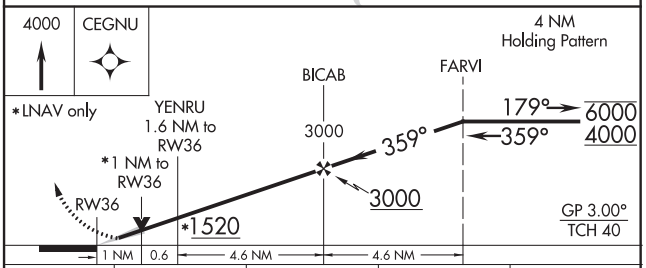


ELEV 979 | TDZE 979

MIRL Rwy 18-36 L

REIL Rwys 18 and 36 L





CATEGORY	A	B	C	D
LPV DA	1229-¾ 250 (300-¾)			
LNAV/VNAV DA	1236-⅞ 257 (300-⅞)			
LNAV MDA	1340-1 361 (400-1)			
C CIRCLING	1500-1 521 (600-1)		1700-2 721 (800-2)	2440-3 1461 (1500-3)

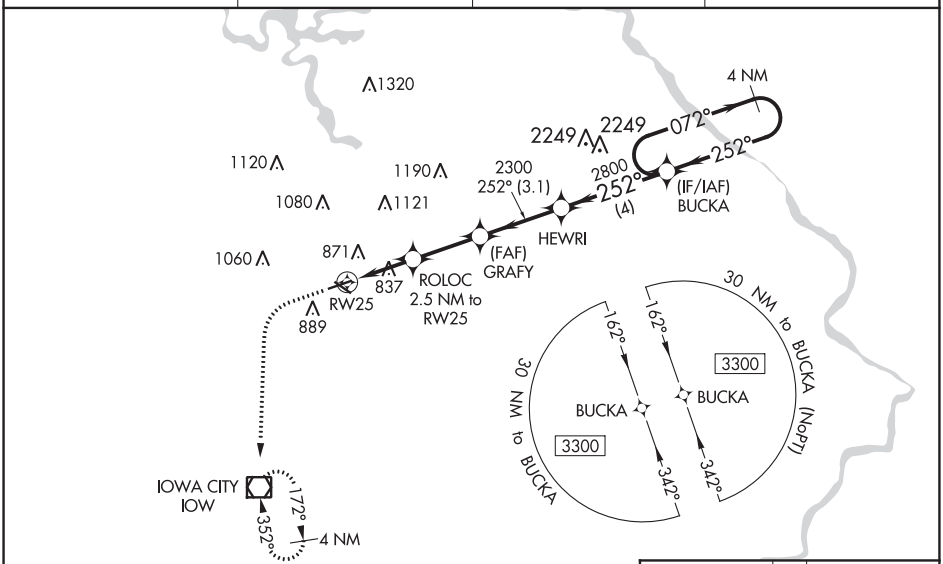
WAAS CH 58207 W25A	APP CRS 252°	Rwy ldg 4196 TDZE 663 Apt Elev 684

RNAV (GPS) RWY 25
IOWA CITY MUNI (IOW)

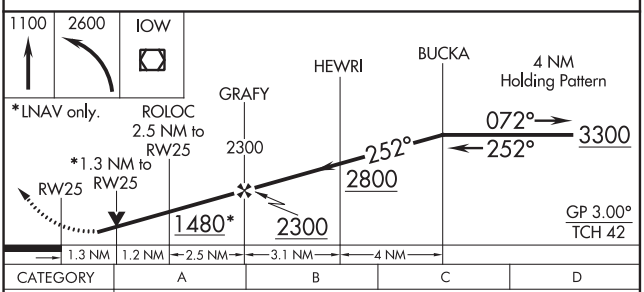
T A Circling to Rwy 7, 12, 30 NA at night. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -23°C (-9°F) or above 54°C (130°F). Baro-VNAV and VDP NA when using Cedar Rapids altimeter setting. Rwy 25 helicopter visibility reduction below ¾ SM NA. Rwy 7, 12, 30 helicopter visibility reduction below 1 SM NA. DME/DME RNP-0.3 NA. When local altimeter setting not received, use Cedar Rapids altimeter setting: increase LPV DA to 1056, increase LNAV/VNAV DA to 1196 feet and visibility ¼ SM; increase all MDAs 80 feet and visibility Cats C and D 1¼ SM increase Circling Cat D visibility ¼ SM.

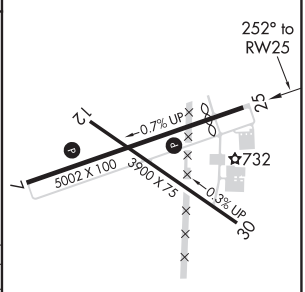
MISSED APPROACH: Climb to 1100 then climbing left turn to 2600 direct IOW VOR/DME and hold.

ASOS	CEDAR RAPIDS APP CON*	CLNC DEL	UNICOM
128.075	119.7 266.8	119.05	122.8 (CTAF) L



ELEV 684 D TDZE 663





CATEGORY	A	B	C	D
LPV DA	992-1⅛ 329 (400-1⅛)			
LNAV/VNAV DA	1132-1⅝ 469 (500-1⅝)			
LNAV MDA	1100-1 437 (500-1)		1100-1¼ 437 (500-1¼)	
C CIRCLING	1260-1 576 (600-1)		1440-2¼ 756 (800-2¼)	1440-2½ 756 (800-2½)

REIL Rwys 7 and 25
MIRL Rwys 7-25 and 12-30 L

NC-3, 25 FEB 2021 to 22 APR 2021

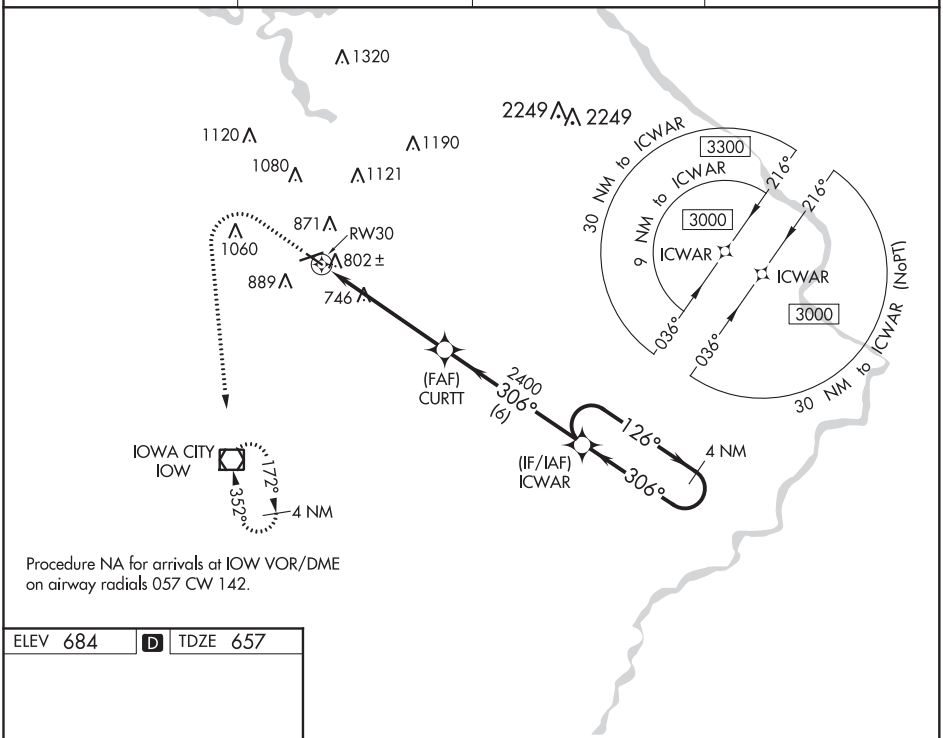
WAAS CH **86841** **W30A**	APP CRS **306°**	Rwy ldg **3900** TDZE **657** Apt Elev **684**

RNAV (GPS) RWY 30
IOWA CITY MUNI (IOW)

Rwy 7, 12, 30 helicopter visibility reduction below 1 SM NA. DME/DME RNP-0.3 NA. When local altimeter setting not received, use Cedar Rapids altimeter setting and increase all MDA 80 feet, LP Cat C and D visibility ⅛ SM, LNAV and Circling Cat C and D visibility ¼ SM. Straight-in Rwy 30 NA at night, Circling Rwy 7, 12 NA at night.

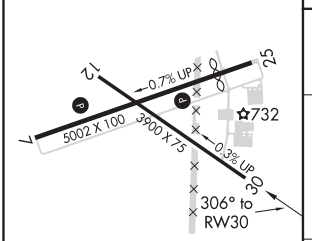
MISSED APPROACH: Climb to 1100 then climbing left turn to 3000 direct IOW VOR/DME and hold.

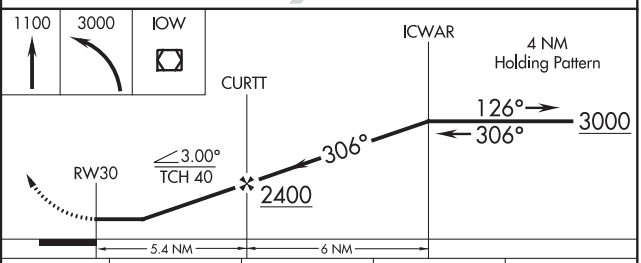
ASOS	CEDAR RAPIDS APP CON ★	CLNC DEL	UNICOM
128.075	**119.7 266.8**	**119.05**	**122.8** (CTAF) L



Procedure NA for arrivals at IOW VOR/DME on airway radials 057 CW 142.

ELEV 684 | D | TDZE 657





CATEGORY	A	B	C	D
LP MDA	1000-1 343 (400-1)			
LNAV MDA	1060-1 403 (400-1)		1060-1⅛ 403 (400-1⅛)	
C CIRCLING	1260-1 576 (600-1)		1440-2¼ 756 (800-2¼)	1440-2½ 756 (800-2½)

REIL Rwys 7 and 25
MIRL Rwys 7-25 and 12-30 L

NC-3, 25 FEB 2021 to 22 APR 2021

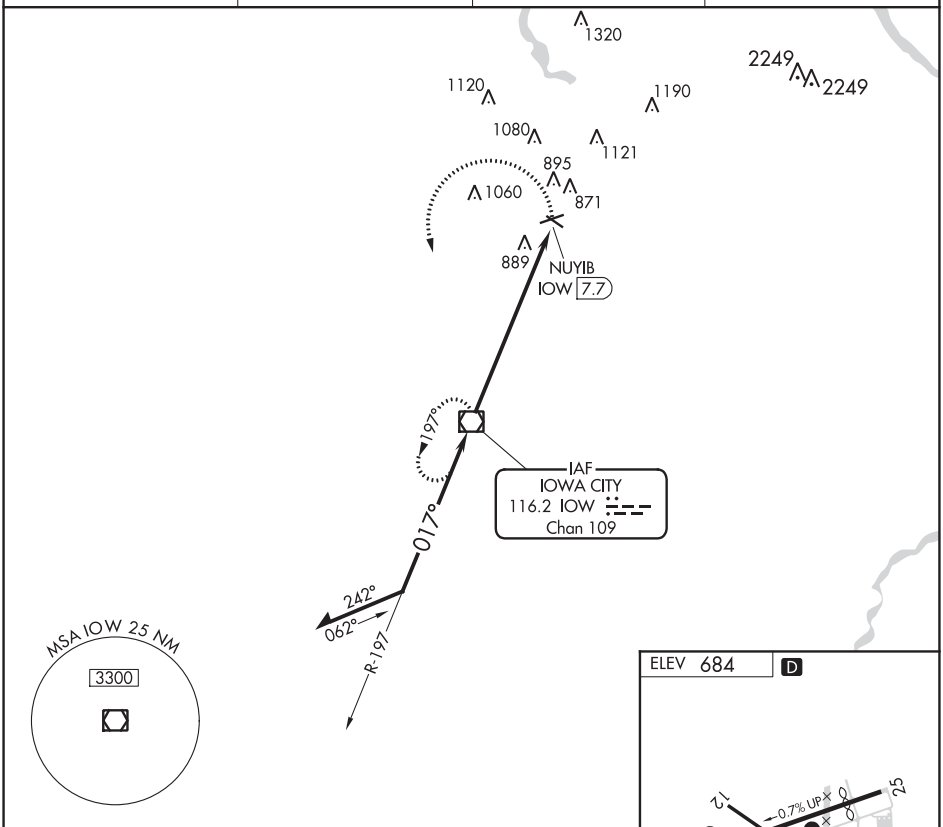
VOR/DME IOW	APP CRS	Rwy ldg	N/A
116.2	017°	TDZE	N/A
Chan 109		Apt Elev	684

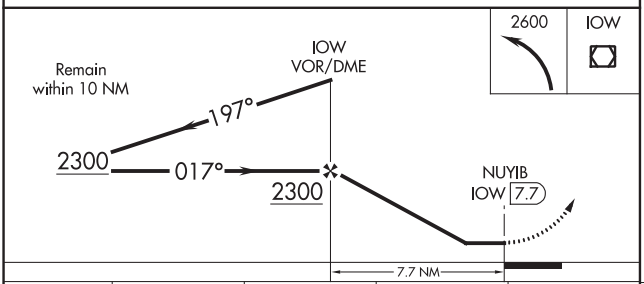
VOR-A
IOWA CITY MUNI (IOW)

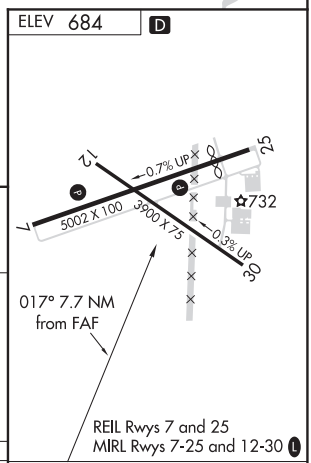
If local altimeter setting not received, use Cedar Rapids altimeter setting and increase all MDAs 80 feet. Helicopter visibility reduction below 1 SM NA. Circling Rwy 7, 12, 30 NA at night.

MISSED APPROACH: Climbing left turn to 2600 direct IOW VOR/DME and hold.

ASOS	CEDAR RAPIDS APP CON ★	CLNC DEL	UNICOM
128.075	119.7 266.8	119.05	122.8 (CTAF) L







CATEGORY	A	B	C	D
C CIRCLING	1280-1 596 (600-1)		NA	

FAF to MAP 7.7 NM					
Knots	60	90	120	150	180
Min:Sec	7:42	5:08	3:51	3:05	2:34

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

IOWA FALLS, IOWA AL-6058 (FAA) 20310

WAAS CH 53332 W13A	APP CRS 134°	Rwy ldg 4600 TDZE 1129 Apt Elev 1137

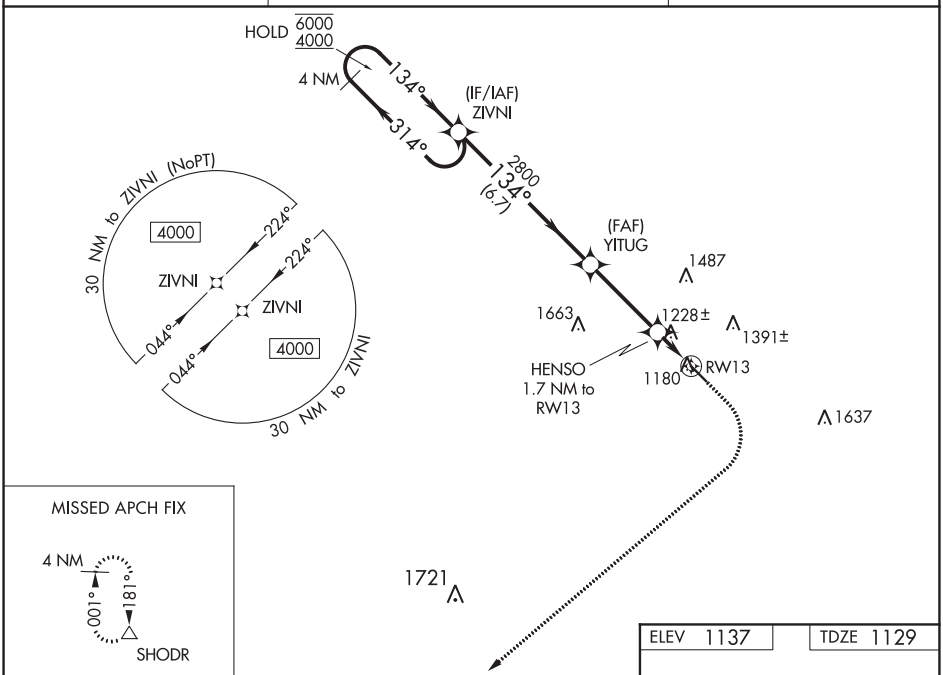
RNAV (GPS) RWY 13
IOWA FALLS MUNI (IFA)

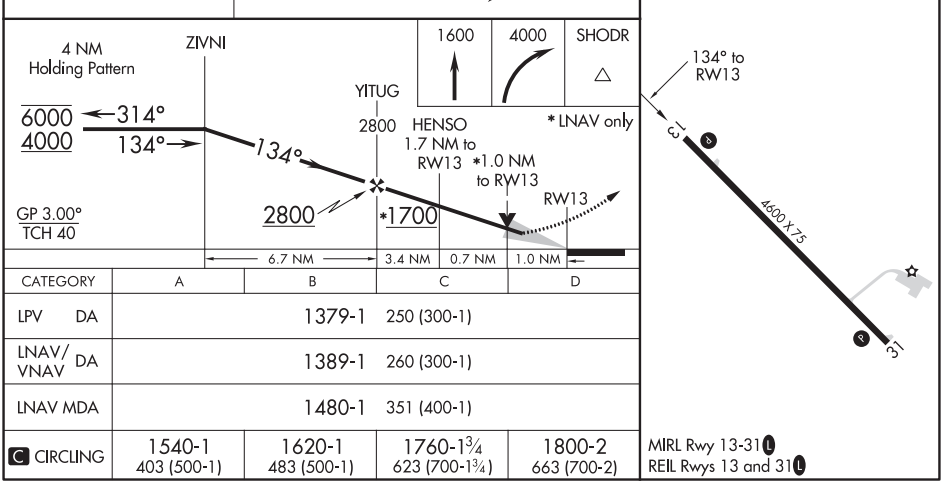
RNP APCH.

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 54°C.

MISSED APPROACH: Climb to 1600 then climbing right turn to 4000 direct SHODR and hold.

AWOS-3	WATERLOO APP CON *	UNICOM
120.425	118.9	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1379-1 250 (300-1)			
LNAV/VNAV DA	1389-1 260 (300-1)			
LNAV MDA	1480-1 351 (400-1)			
C CIRCLING	1540-1 403 (500-1)	1620-1 483 (500-1)	1760-1¾ 623 (700-1¾)	1800-2 663 (700-2)

MIRL Rwy 13-31 L
REIL Rwys 13 and 31 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 86732 W31A	APP CRS 314°	Rwy ldg 4600 TDZE 1137 Apt Elev 1137

RNAV (GPS) RWY 31
IOWA FALLS MUNI (IFA)

RNP APCH.

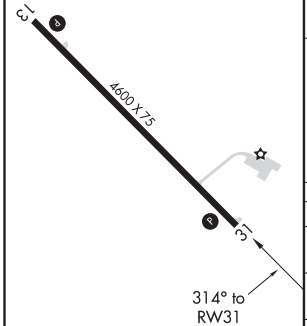
T A Rwy 31 helicopter visibility reduction below ¾ SM NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 54°C.

MISSED APPROACH: Climb to 1600 then climbing right turn to 4000 direct ARTYS and hold, continue climb-in-hold to 4000.

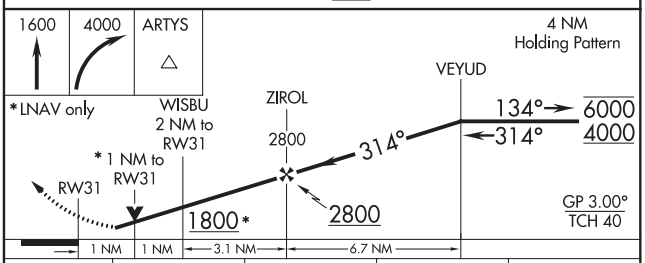
AWOS-3	WATERLOO APP CON ★	UNICOM
120.425	118.9	122.8 (CTAF) L

092° 4 NM 272° ARTYS
1487
1663
1391±
1180 RW31
1222±
1637
WISBU 2 NM to RW31
(FAF) ZIROL
2800
314° (6.7)
134°
314°
(IF/IAF) VEYUD
4 NM
HOLD 6000 4000
1721
30 NM to VEYUD (NoPT)
4000
224°
224°
VEYUD
VEYUD
044°
044°
4000
30 NM to VEYUD

ELEV 1137 TDZE 1137



MIRL Rwy 13-31 L
REIL Rwys 13 and 31 L



CATEGORY	A	B	C	D
LPV DA	1387-1 250 (300-1)			
LNAV/VNAV DA	1387-1 250 (300-1)			
LNAV MDA	1480-1 343 (400-1)			
C CIRCLING	1540-1 403 (500-1)	1620-1 483 (500-1)	1760-1¾ 623 (700-1¾)	1800-2 663 (700-2)

NC-3, 25 FEB 2021 to 22 APR 2021

JEFFERSON, IOWA | AL-5337 (FAA) | 20142

RNAV (GPS) RWY 14
JEFFERSON MUNI (EFW)

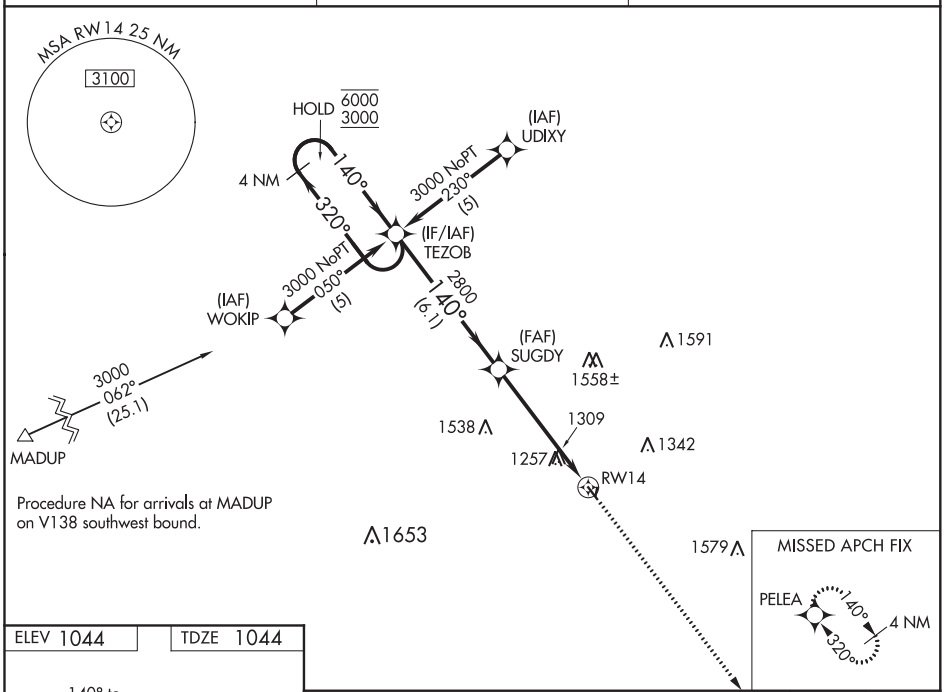
WAAS CH 40219 W14A	APP CRS 140°	Rwy ldg 3200 TDZE 1044 Apt Elev 1044

RNP APCH.

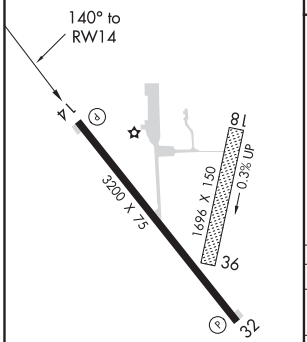
NA Procedure NA at night. Rwy 14 helicopter visibility reduction below 1 SM NA. Baro-VNAV NA. Use Perry altimeter setting.

MISSED APPROACH: Climb to 3000 direct PELEA and hold.

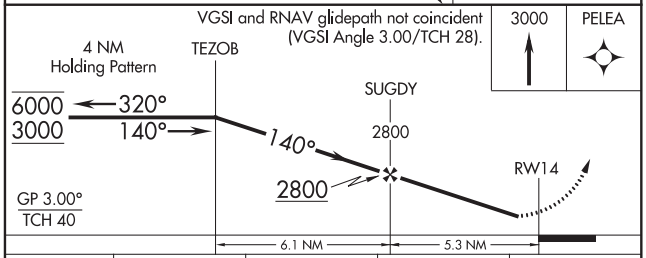
PRO AWOS-3	MINNEAPOLIS CENTER	UNICOM
118.0	134.0 288.3	122.8 (CTAF) L



ELEV 1044 | TDZE 1044



MIRL Rwy 14-32 L
REIL Rwys 14 and 32 L



CATEGORY	A	B	C	D
LPV DA	1330-1	286 (300-1)	NA	
LNAV/VNAV DA	1907-3	863 (900-3)	NA	
LNAV MDA	1780-1	736 (800-1)	NA	
CIRCLING	1780-1 736 (800-1)	1820-1¼ 776 (800-1¼)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

APP CRS	Rwy ldg	3200
320°	TDZE	1044
	Apt Elev	1044

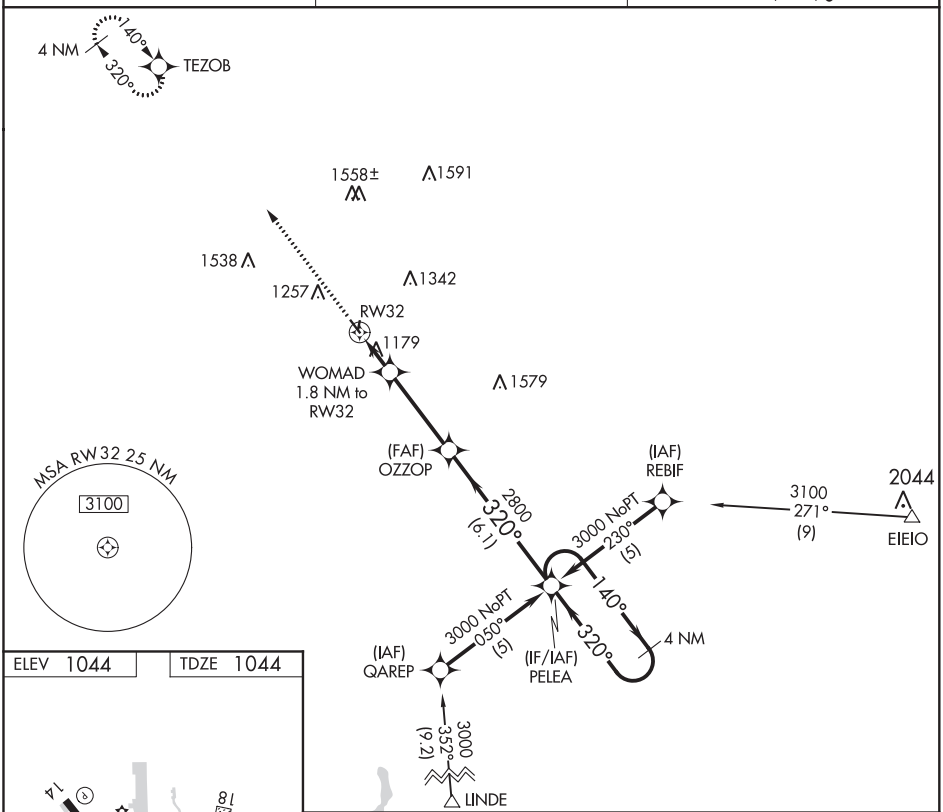
RNAV (GPS) RWY 32
JEFFERSON MUNI (EFW)

RNP APCH.

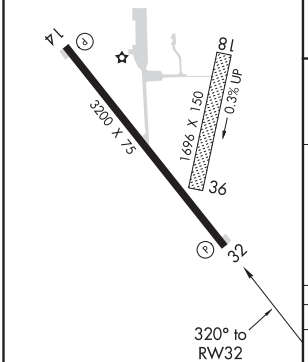
NA Use Perry altimeter setting, when not received, use Carroll altimeter setting and increase all MDA 40 feet. Circling Rwy 14 NA at night. Circling NA to Rwys 18 and 36.

MISSED APPROACH: Climb to 3000 direct TEZOB and hold.

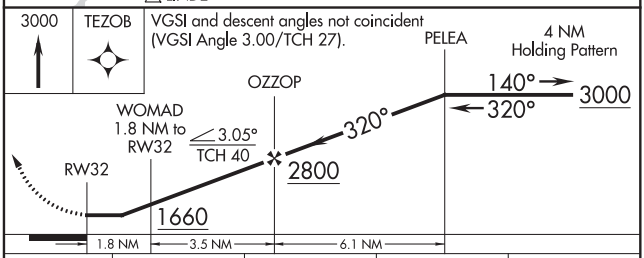
PRO AWOS-3	MINNEAPOLIS CENTER	UNICOM
118.0	134.0 288.3	122.8 (CTAF) L



ELEV 1044 TDZE 1044



MIRL Rwy 14-32 L
REIL Rwys 14 and 32 L



CATEGORY	A	B	C	D
LNAV MDA	1520-1 476 (500-1)		NA	
CIRCLING	1700-1 656 (700-1)	1820-1¼ 776 (800-1¼)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

JEFFERSON, IOWA | AL-5337 (FAA) | 20310

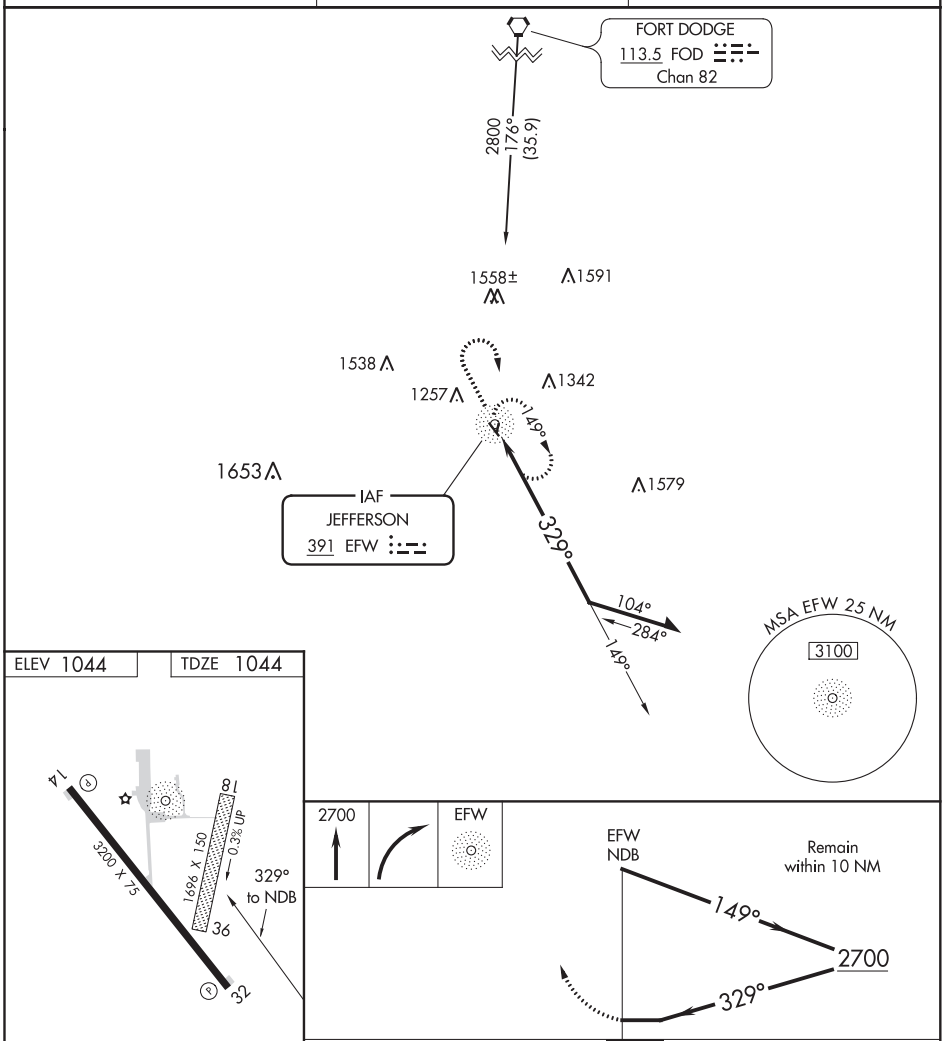
NDB RWY 32
JEFFERSON MUNI (EFW)

NDB EFW	APP CRS	Rwy ldg	3200
391	329°	TDZE	1044
		Apt Elev	1044

Use Perry altimeter setting, when not received, use Carroll altimeter setting and increase all MDA 40 feet. Circling Rwy 14 NA at night. Circling NA to Rwys 18 and 36.

MISSED APPROACH: Climb to 2700 then right turn direct EFW NDB and hold.

PRO AWOS-3	MINNEAPOLIS CENTER	UNICOM
118.0	134.0 288.3	122.8 (CTAF) L



CATEGORY	A	B	C	D
S-32	1720-1 676 (700-1)		NA	
CIRCLING	1720-1 676 (700-1)	1820-1¼ 776 (800-1¼)	NA	

REIL Rwys 14 and 32 L
MIRL Rwy 14-32 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

ILS or LOC RWY 30
JEFFERSON CITY MEMORIAL (JEF)

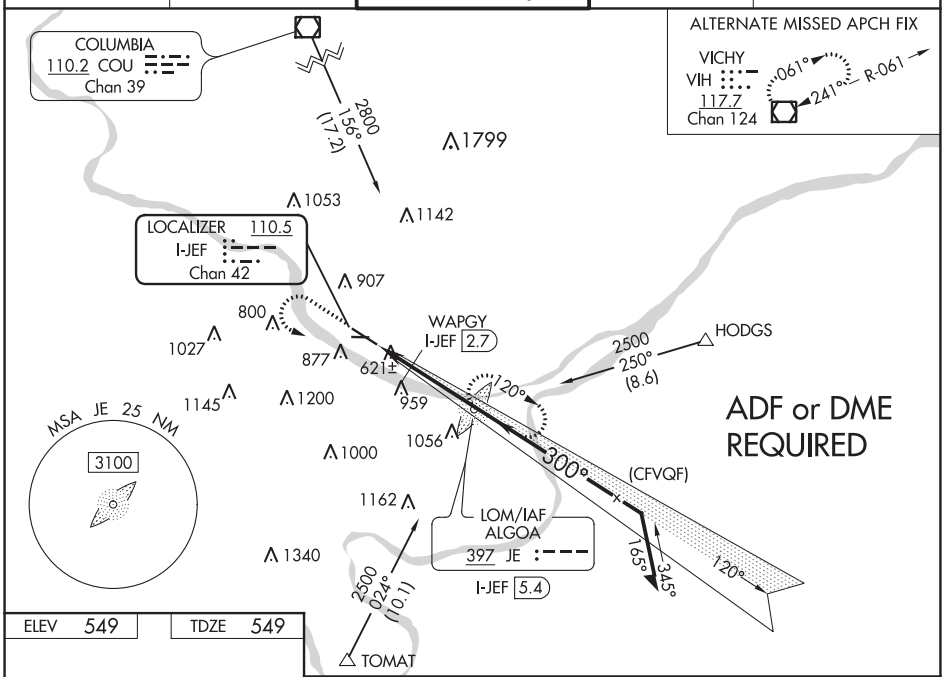
LOC/DME I-JEF	APP CRS	Rwy ldg	6000
110.5	300°	TDZE	549
Chan 42		Apt Elev	549

ADF required. When local altimeter setting not received, use Columbia altimeter setting and increase all DA/MDA 80 feet, and increase S-LOC 30 visibility Cats C/D ⅜ SM and increase S-LOC 30 WAPGY fix minimums visibility and Circling Cats A/B/C ¼ SM. VDP NA with Columbia altimeter setting. For inop ALS when using Columbia altimeter setting, increase S-ILS 30 visibility all Cats to ⅞ SM and S-LOC 30 visibility Cats C/D to 1¾ SM and S-LOC 30 WAPGY fix minimums, visibility Cats C/D to 1⅛ SM. Circling Rwy 9 NA at night.

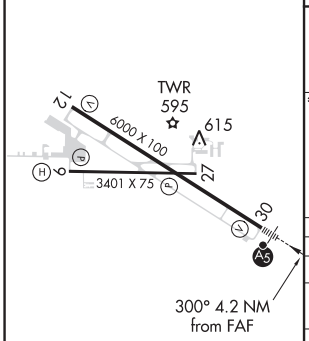
MALSR

MISSED APPROACH: Climb to 1500 then climbing left turn to 2500 direct ALGOA LOM and hold.

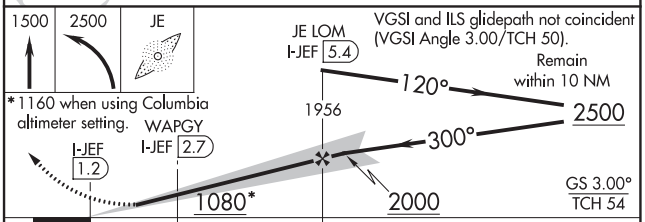
ASOS	MIZZU APP CON	JEFFERSON CITY TOWER★	GND CON	UNICOM
133.625	124.375 353.7	125.6 (CTAF)	121.7	122.95



ELEV 549 TDZE 549



HIRL Rwy 12-30
MIRL Rwy 9-27
REIL Rwys 9, 12, and 27



CATEGORY	A	B	C	D
S-ILS 30	749-½ 200 (200-½)			
S-LOC 30	1080-½ 531 (600-½)		1080-1 531 (600-1)	
C CIRCLING	1320-1 771 (800-1)		1320-2¼ 771 (800-2¼)	1560-3 1011 (1100-3)
WAPGY FIX MINIMUMS				
S-LOC 30	880-½ 331 (400-½)			
C CIRCLING	1320-1 771 (800-1)		1320-2¼ 771 (800-2¼)	1560-3 1011 (1100-3)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

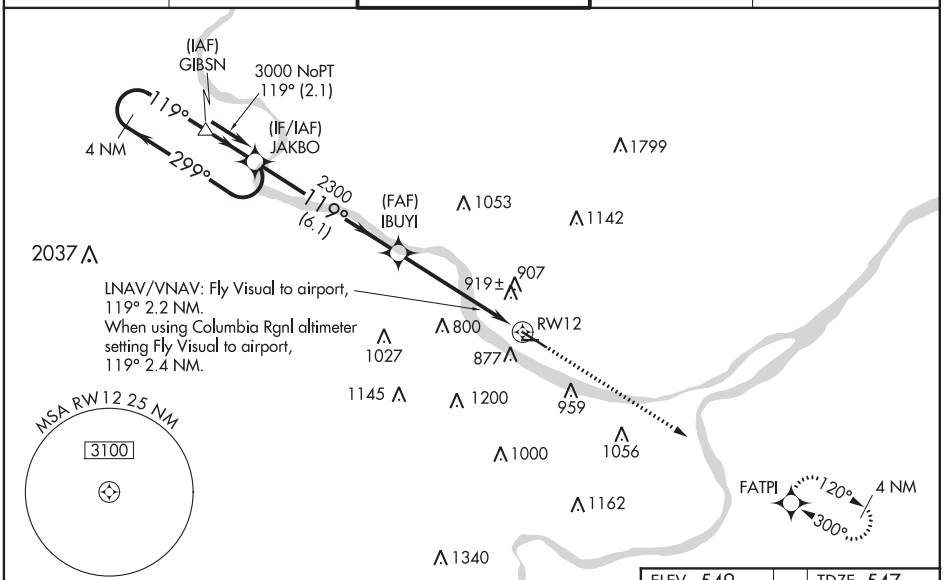
WAAS CH 49005 W12A	APP CRS 119°	Rwy ldg 6000 TDZE 547 Apt Elev 549

RNAV (GPS) RWY 12
JEFFERSON CITY MEMORIAL (JEF)

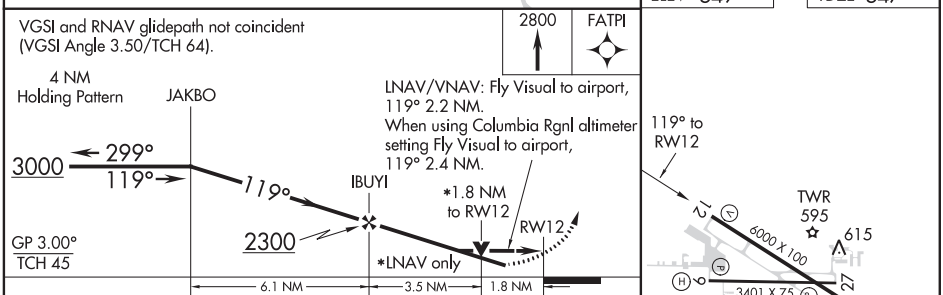
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 48°C (118°F). DME/DME RNP-0.3 NA. Helicopter visibility reduction below ¾ SM NA. When local altimeter setting not received, use Columbia Rgnl altimeter setting and increase all DA/MDA 80 feet; and increase LPV all Cats visibility ¼ SM, LNAV/VNAV Cats C and D visibility ½ SM, LNAV Cats B, C and D visibility ¼ SM and Circling Cats A, B and C visibility ¼ SM. Baro-VNAV and VDP NA when using Columbia Rgnl altimeter setting. Circling Rwy 9 NA at night.

MISSED APPROACH: Climb to 2800 direct FATPI and hold.

ASOS	MIZZU APP CON	JEFFERSON CITY TOWER ★	GND CON	UNICOM
133.625	124.375 353.7	125.6 (CTAF) L	121.7	122.95



ELEV 549 TDZE 547



CATEGORY	A	B	C	D
LPV DA	951-1½ 404 (500-1½)			
LNAV/VNAV DA	1284-2 737 (800-2)			1284-2¼ 737 (800-2¼)
LNAV MDA	1260-1 713 (800-1)		1260-2 713 (800-2)	1260-2¼ 713 (800-2¼)
C CIRCLING	1320-1 771 (800-1)	1320-1¼ 771 (800-1¼)	1320-2¼ 771 (800-2¼)	1560-3 1011 (1100-3)

REIL Rwys 9, 12, and 27 L
MIRL Rwy 9-27
HIRL Rwy 12-30 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 86410 W30A	APP CRS 300°	Rwy ldg 6000 TDZE 549 Apt Elev 549

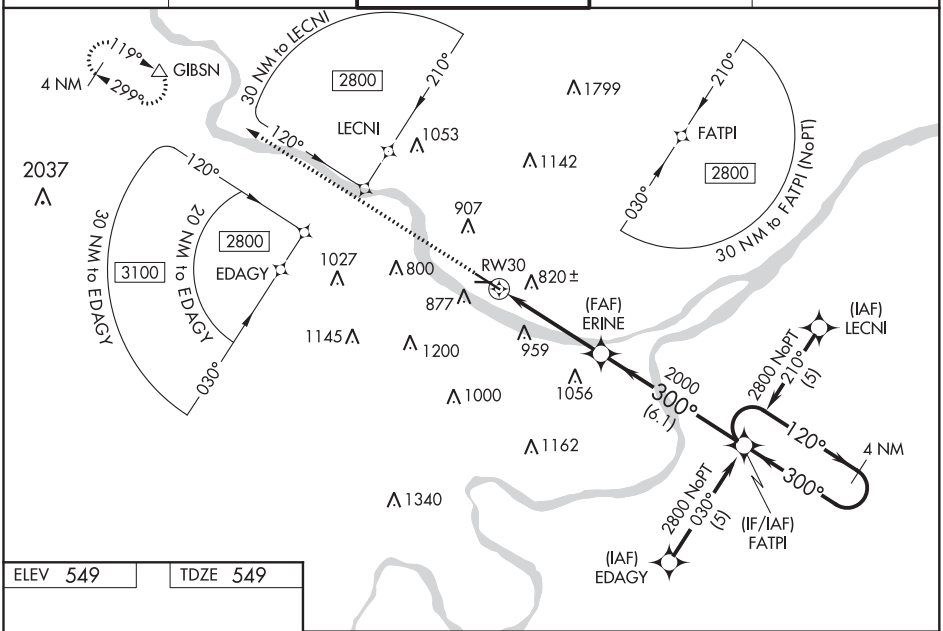
RNAV (GPS) RWY 30
JEFFERSON CITY MEMORIAL (JEF)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (116°F). DME/DME RNP-0.3 NA.
When local altimeter setting not received, use Columbia Rgnl altimeter setting and increase all DA/MDA 80 feet; increase LPV all Cats, LNAV/VNAV all Cats, LNAV Cats B, C, and D, and Circling Cats A, B and C visibility¼ SM. For inoperative MALSR, when using Columbia Rgnl altimeter setting increase LPV all Cats visibility to 1¼. Baro-VNAV and VDP NA when using Columbia Rgnl altimeter setting. Circling Rwy 9 NA at night.

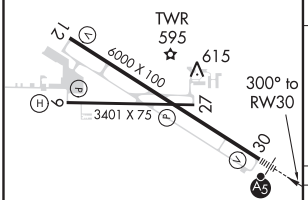
MALSR

MISSED APPROACH: Climb to 3000 direct GIBSN and hold.

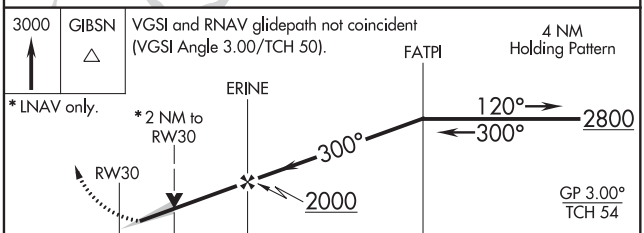
ASOS	MIZZU APP CON	JEFFERSON CITY TOWER ★	GND CON	UNICOM
133.625	124.375 353.7	125.6 (CTAF) L	121.7	122.95



ELEV 549	TDZE 549



REIL Rwys 9, 12, and 27 L
MIRL Rwy 9-27
HIRL Rwy 12-30 L



CATEGORY		A	B	C	D
LPV	DA	799-½ 250 (300-½)			
LNAV/VNAV	DA	1322-2¼ 773 (800-2¼)			
LNAV	MDA	1240-½ 691 (700-½)		1240-1½ 691 (700-1½)	1240-1¾ 691 (700-1¾)
C CIRCLING		1320-1 771 (800-1)	1320-1¼ 771 (800-1¼)	1320-2¼ 771 (800-2¼)	1560-3 1011 (1100-3)

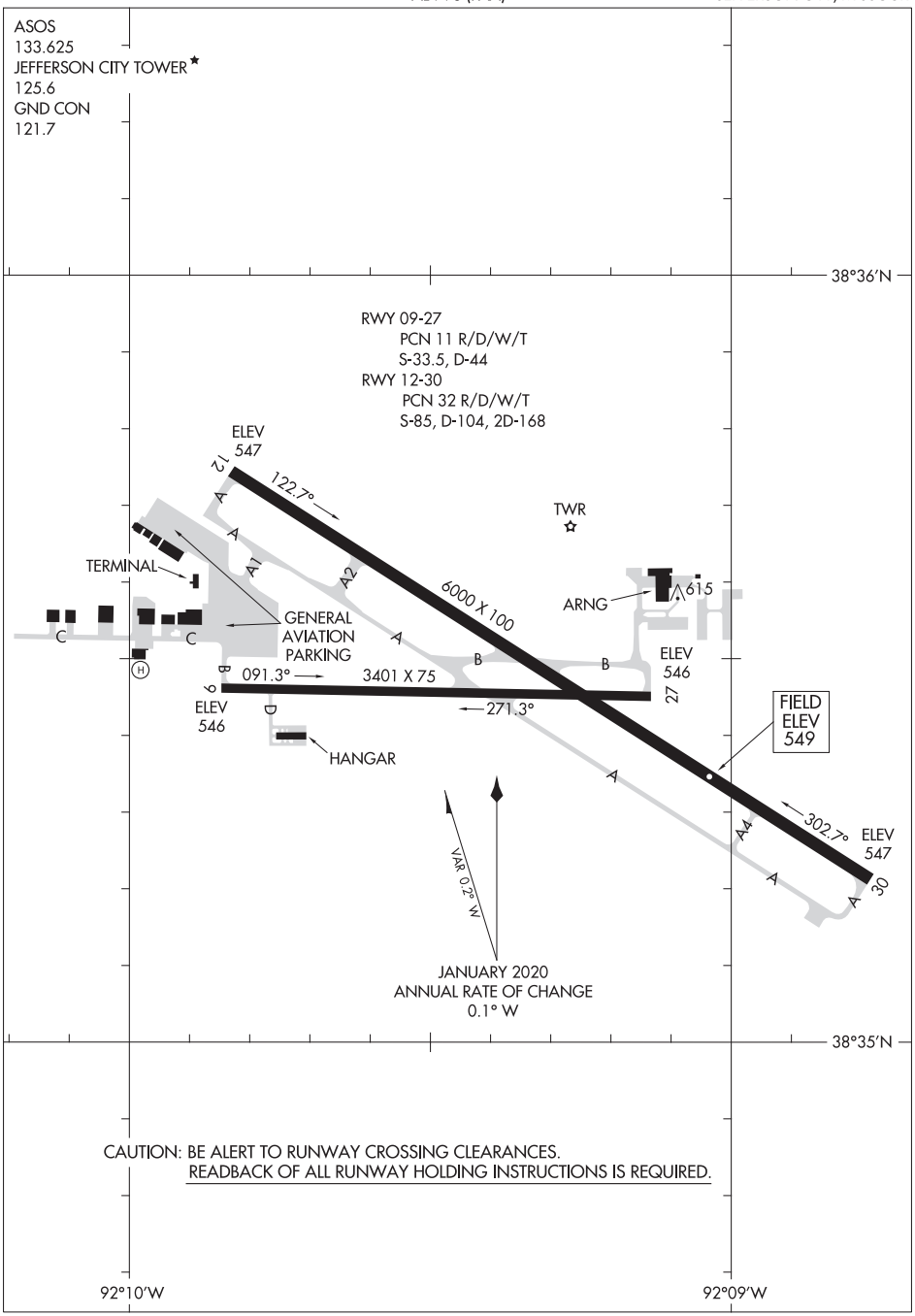
NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

20086

AIRPORT DIAGRAM

AL-796 (FAA)

JEFFERSON CITY MEMORIAL (JEF)
JEFFERSON CITY, MISSOURI



NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

AIRPORT DIAGRAM
20086
JEFFERSON CITY, MISSOURI
JEFFERSON CITY MEMORIAL (JEF)

ILS or LOC RWY 18
JOPLIN RGNL (JLN)

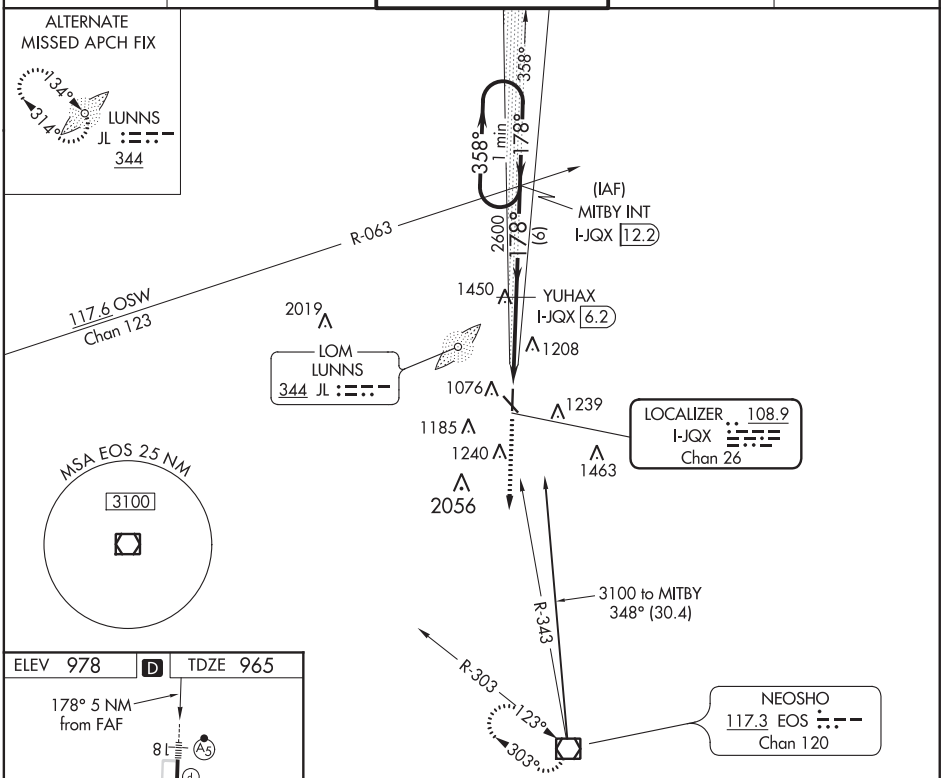
LOC/DME I-JQX	APP CRS	Rwy ldg	6499
108.9	178°	TDZE	965
Chan 26		Apt Elev	978

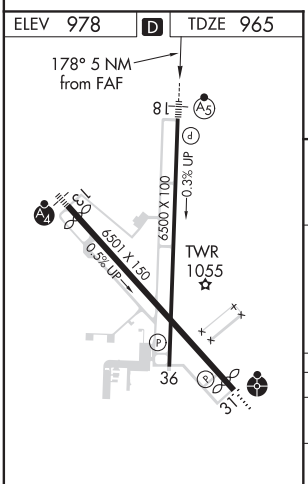
DME required for LOC only.

MALSR

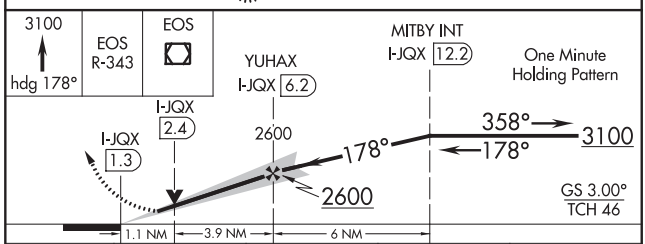
MISSED APPROACH: Climb to 3100 via heading 178° and EOS R-343 to EOS VOR/DME and hold.

ATIS	KANSAS CITY CENTER	JOPLIN TOWER★	GND CON	UNICOM
120.85	128.6 282.325	119.8 (CTAF) L	121.6	122.95





HIRL Rwy 13-31 L
HIRL Rwy 18-36



CATEGORY	A	B	C	D
S-ILS 18	1165/24 200 (200-½)			
S-LOC 18	1340/24 375 (400-½)			1340/40 375 (400-¾)
C CIRCLING	1460-1 482 (500-1)	1500-1 522 (600-1)	1540-1½ 562 (600-1½)	1600-2 622 (700-2)

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

LOC I-JLN	APP CRS	Rwy ldg	5813
110.3	134°	TDZE	970
		Apt Elev	981

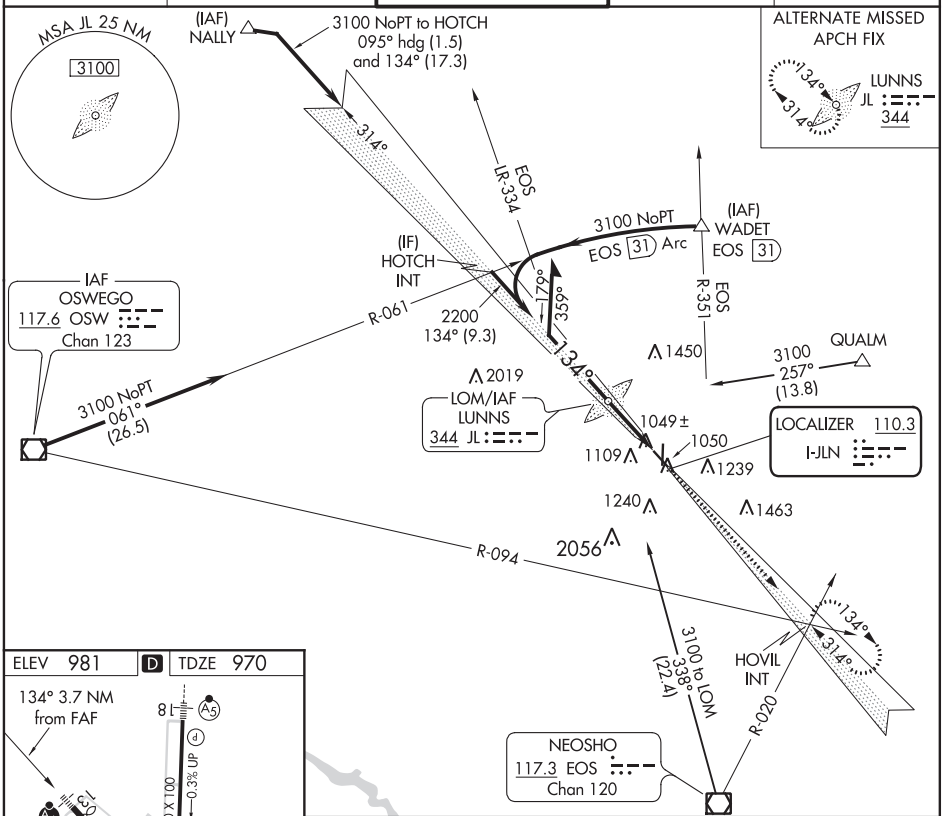
ILS or LOC/NDB RWY 13
JOPLIN RGNL (JLN)

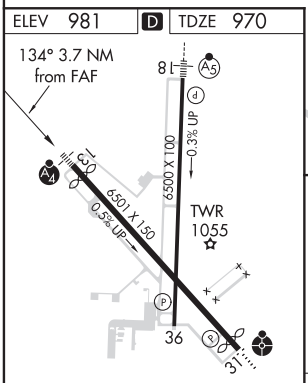
MALSF (NSTD) 1368'.
Circling Rwy 5 NA at night.

MALSF

MISSED APPROACH: Climb to 3100 on I-JLN LOC SE course to HOVIL INT and hold.

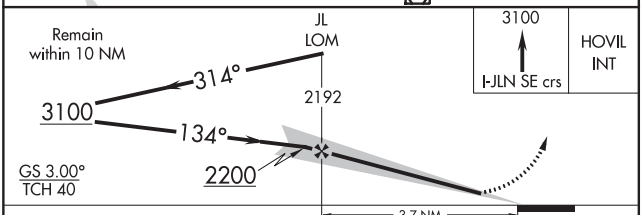
ATIS	KANSAS CITY CENTER	JOPLIN TOWER★	GND CON	UNICOM
120.85	128.6 282.325	119.8 (CTAF) L	121.6	122.95





HIRL Rwy 13-31 L
HIRL Rwy 18-36

FAF to MAP 3.7 NM					
Knots	60	90	120	150	180
Min:Sec	3:42	2:28	1:51	1:29	1:14



CATEGORY	A	B	C	D
S-ILS 13	1170-¾ 200 (200-¾)			
S-LOC 13	1300-¾ 330 (400-¾)			1300-1 330 (400-1)
C CIRCLING	1460-1 479 (500-1)	1500-1 519 (600-1)	1540-1½ 559 (600-1½)	1600-2 619 (700-2)

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 90109 W13A	APP CRS 134°	Rwy ldg 5813 TDZE 968 Apt Elev 978

RNAV (GPS) RWY 13
JOPLIN RGNL (JLN)

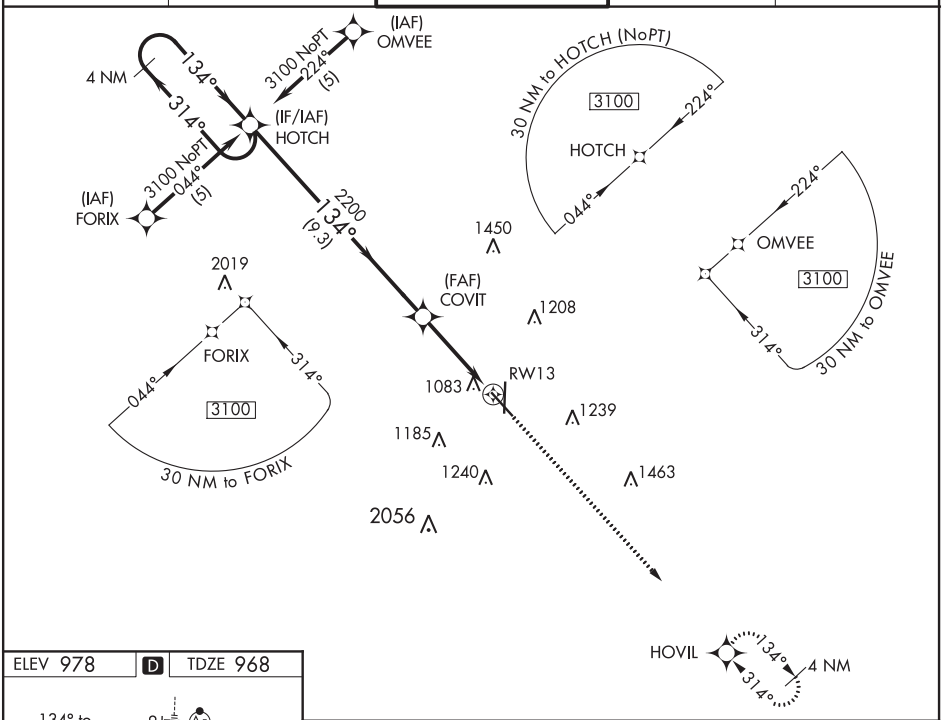
RNP APCH.

MALSF (NSTD) 1368'. Baro-VNAV NA below -16°C (4°F). For inop MALSF, increase LPV Cats A/B/C visibility to 1.

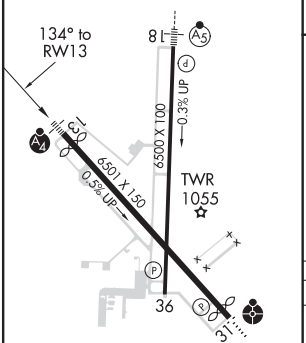
MALSF

MISSED APPROACH: Climb to 3100 direct HOVIL and hold.

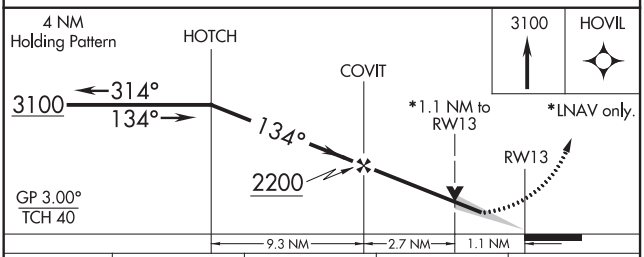
ATIS	KANSAS CITY CENTER	JOPLIN TOWER*	GND CON	UNICOM
120.85	128.6 282.325	119.8 (CTAF) L	121.6	122.95



ELEV 978 D TDZE 968



HIRL Rwy 13-31 L
HIRL Rwy 18-36



CATEGORY	A	B	C	D
LPV DA	1220-¾ 252 (300-¾)			1220-1 252 (300-1)
LNAV/VNAV DA	1380-1¼ 412 (400-1¼)			1380-1½ 412 (400-1½)
LNAV MDA	1340-¾ 372 (400-¾)			1340-1 372 (400-1)
C CIRCLING	1500-1½ 522 (600-1½)		1540-1½ 562 (600-1½)	1600-2 622 (700-2)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

JOPLIN, MISSOURI — AL-540 (FAA) — 19283

WAAS CH 97309 W18A	APP CRS 178°	Rwy ldg 6499 TDZE 965 Apt Elev 978

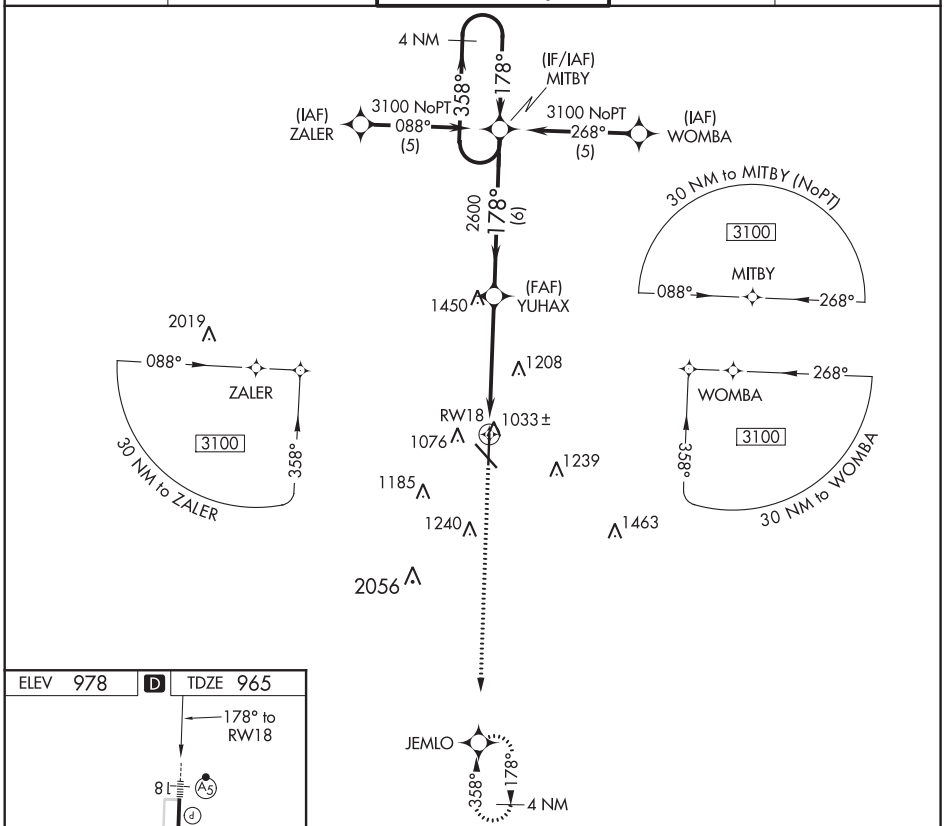
RNAV (GPS) RWY 18
JOPLIN RGNL (JLN)

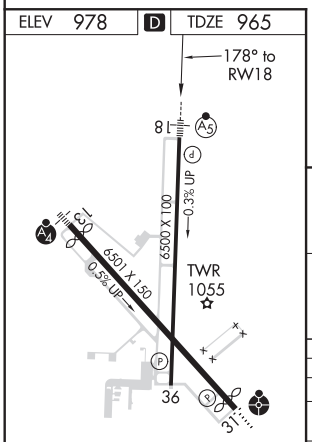
RNP APCH.
For uncompensated Baro-VNAV systems, procedure NA below -16°C (4°F) or above 54°C (130°F). For inoperative MALSR, increase LPV all Cats visibility to RVR 5000.

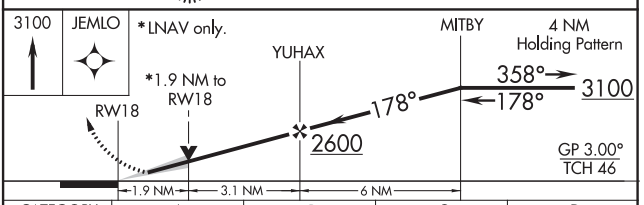
MALSR

MISSED APPROACH: Climb to 3100 direct JEMLO and hold.

ATIS	KANSAS CITY CENTER	JOPLIN TOWER★	GND CON	UNICOM
120.85	128.6 282.325	119.8 (CTAF) L	121.6	122.95







CATEGORY	A	B	C	D
LPV DA	1220/24 255 (300-½)			
LNAV/VNAV DA	1460/60 495 (500-1¼)			
LNAV MDA	1600/24 635 (700-½)		1600/60 635 (700-1¼)	1600-1½ 635 (700-1½)
CIRCLING	1600-1¾ 622 (700-1¾)			1600-2 622 (700-2)

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 69334 W31A	APP CRS 314°	Rwy ldg 5813 TDZE 978 Apt Elev 978

RNAV (GPS) RWY 31
JOPLIN RGNL (JLN)

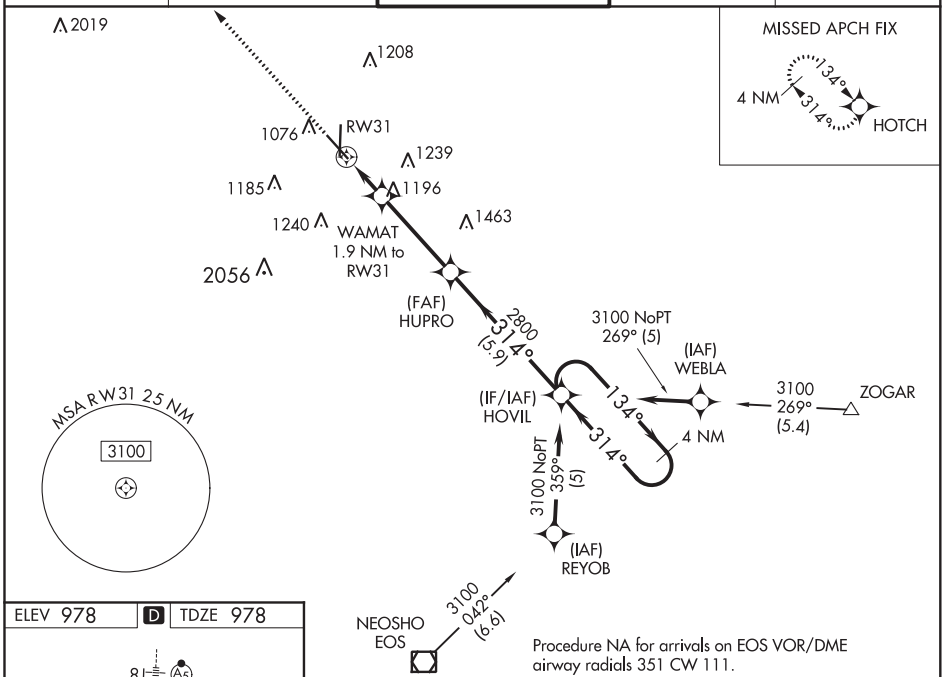
RNP APCH.

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). Inoperative table does not apply. Rwy 31 helicopter visibility reduction below ¾ SM NA.

ODALS

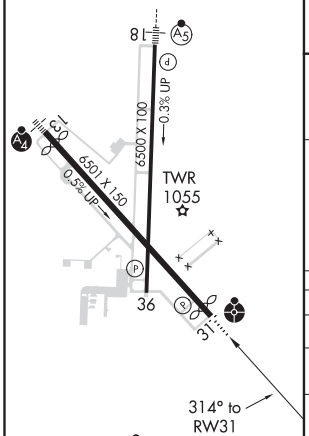
MISSED APPROACH: Climb to 3100 direct HOTCH and hold.

ATIS	KANSAS CITY CENTER	JOPLIN TOWER*	GND CON	UNICOM
120.85	128.6 282.325	119.8 (CTAF) L	121.6	122.95

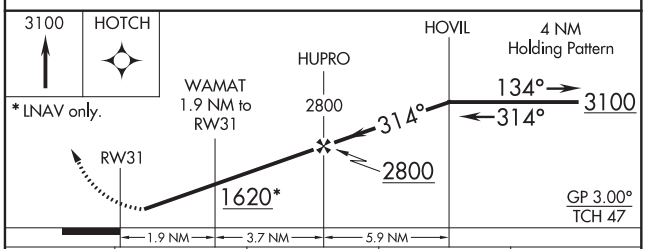


Procedure NA for arrivals on EOS VOR/DME airway radials 351 CW 111.

ELEV 978 D TDZE 978



HIRL Rwy 13-31 L
HIRL Rwy 18-36



CATEGORY	A	B	C	D
LPV DA	1229-¾ 251 (300-¾)			
LNAV/VNAV DA	1357-1¼ 379 (400-1¼)			
LNAV MDA	1500-1 522 (600-1)		1500-1½ 522 (600-1½)	
C CIRCLING	1500-1 522 (600-1)		1540-1½ 562 (600-1½)	1600-2 622 (700-2)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

JOPLIN, MISSOURI | AL-540 (FAA) | 19283

APP CRS	Rwy ldg	6499
358°	TDZE	972
	Apt Elev	978

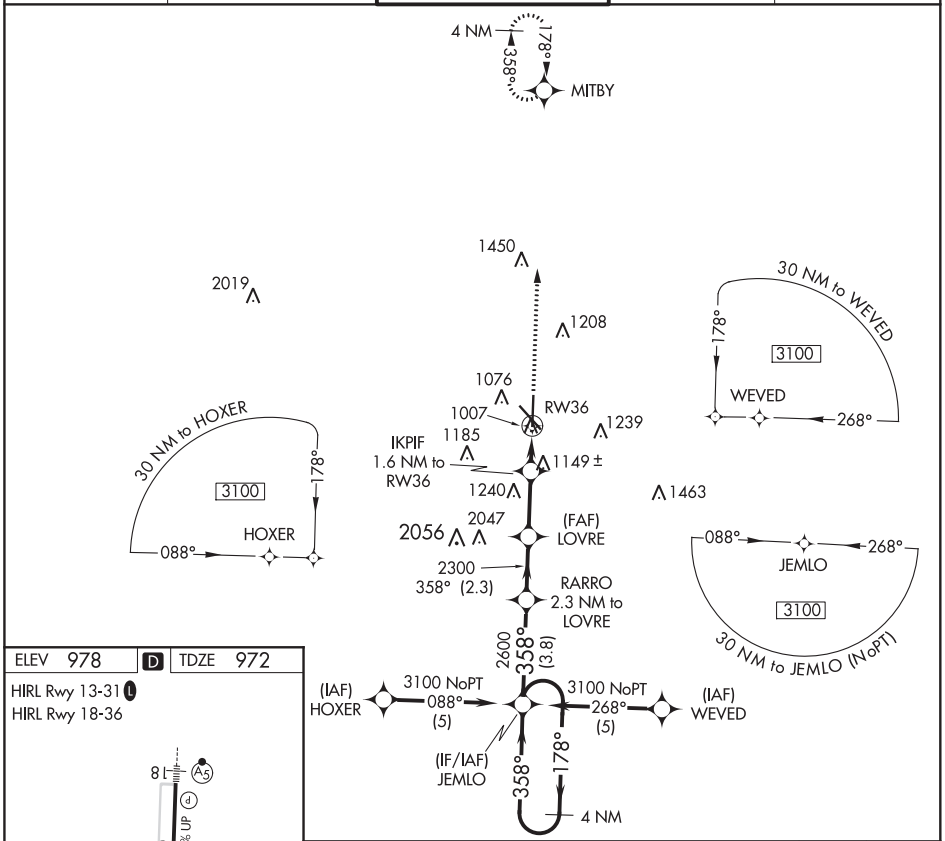
RNAV (GPS) RWY 36
JOPLIN RGNL (JLN)

RNP APCH.

Rwy 36 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 3100 direct MITBY and hold.

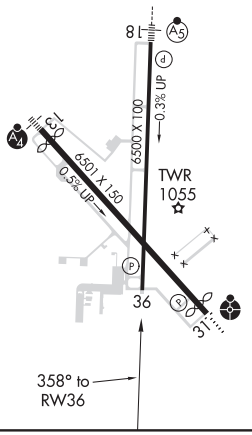
ATIS	KANSAS CITY CENTER	JOPLIN TOWER★	GND CON	UNICOM
120.85	128.6 282.325	119.8 (CTAF) L	121.6	122.95

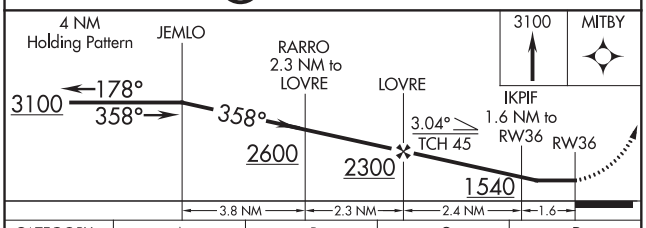


ELEV 978 | D | TDZE 972

HIRL Rwy 13-31 L

HIRL Rwy 18-36





CATEGORY	A	B	C	D
LNAV MDA	1400-1 428 (500-1)		1400-1¼ 428 (500-1¼)	1400-1½ 428 (500-1½)
C CIRCLING	1500-1 522 (600-1)		1540-1½ 562 (600-1½)	1600-2 622 (700-2)

JOPLIN, MISSOURI
Orig-C 24MAY18

37°09′N-94°30′W

JOPLIN RGNL (JLN)
RNAV (GPS) RWY 36

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

LOC I-JLN	APP CRS	Rwy ldg	5813
110.3	314°	TDZE	978
		Apt Elev	978

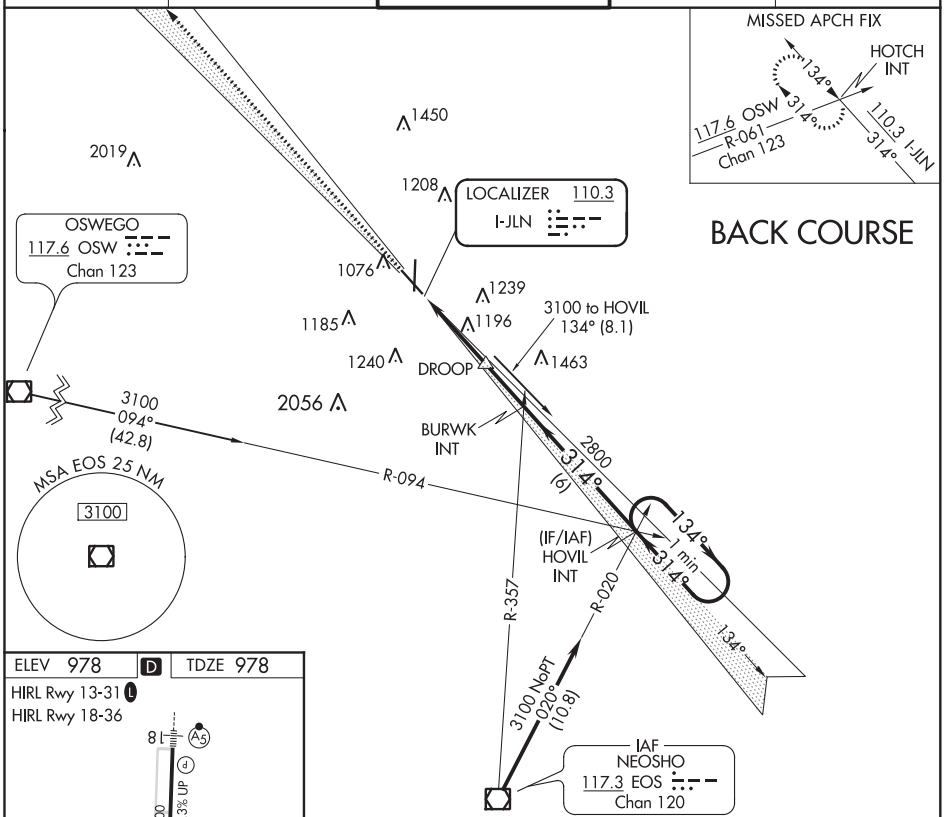
LOC BC RWY 31
JOPLIN RGNL (JLN)

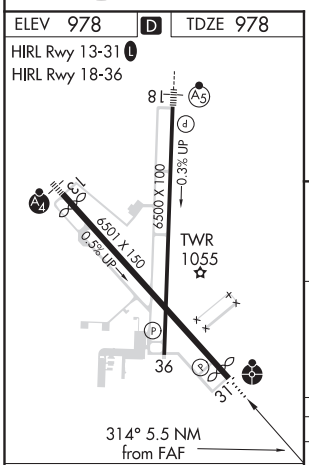
Inoperative table does not apply. ODALS (NSTD) 1438′.
Rwy 31 helicopter visibility reduction below ¾ SM NA.

ODALS

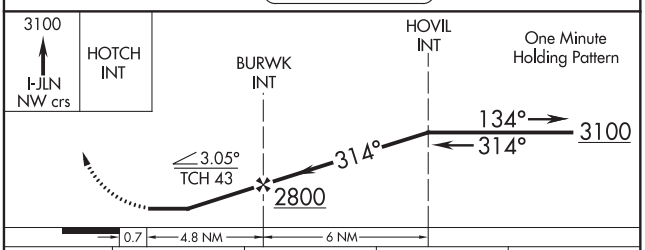
MISSED APPROACH: Climb to 3100 on I-JLN LOC NW course to HOTCH INT and hold.

ATIS	KANSAS CITY CENTER	JOPLIN TOWER★	GND CON	UNICOM
120.85	128.6 282.325	119.8 (CTAF) L	121.6	122.95





FAF to MAP 4.8 NM					
Knots	60	90	120	150	180
Min:Sec	4:48	3:12	2:24	1:55	1:36



CATEGORY	A	B	C	D
S-31	1500-1	522 (600-1)	1500-1½ 522 (600-1½)	1500-1¾ 522 (600-1¾)
C CIRCLING	1500-1	522 (600-1)	1540-1½ 562 (600-1½)	1600-2 622 (700-2)

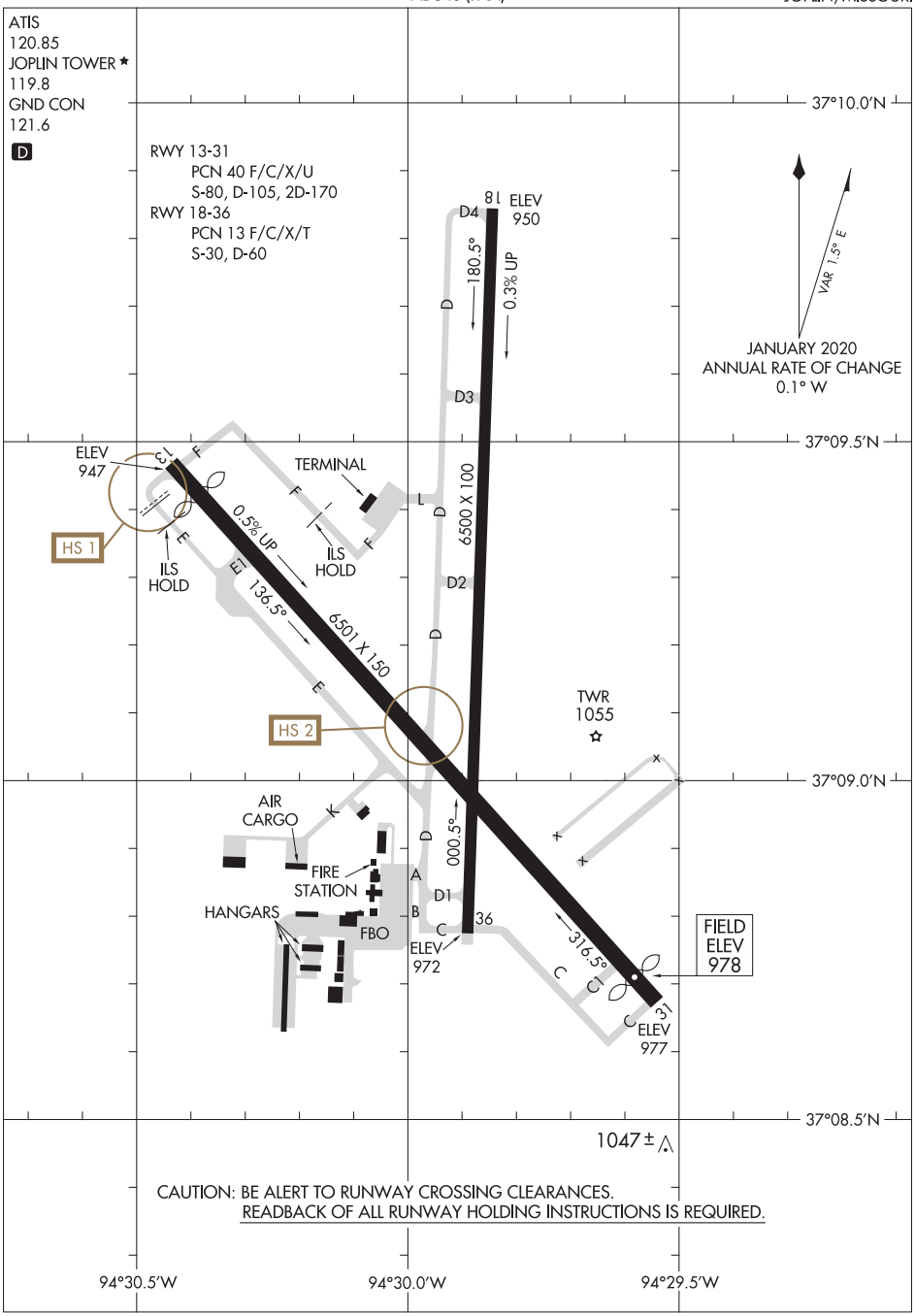
NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

20086

AIRPORT DIAGRAM

AL-540 (FAA)

JOPLIN RGNL (JLN)
JOPLIN, MISSOURI



NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

AIRPORT DIAGRAM
20086
JOPLIN, MISSOURI
JOPLIN RGNL (JLN)

WAAS CH 65901 W04A	APP CRS 037°	Rwy ldg 6497 TDZE 863 Apt Elev 869

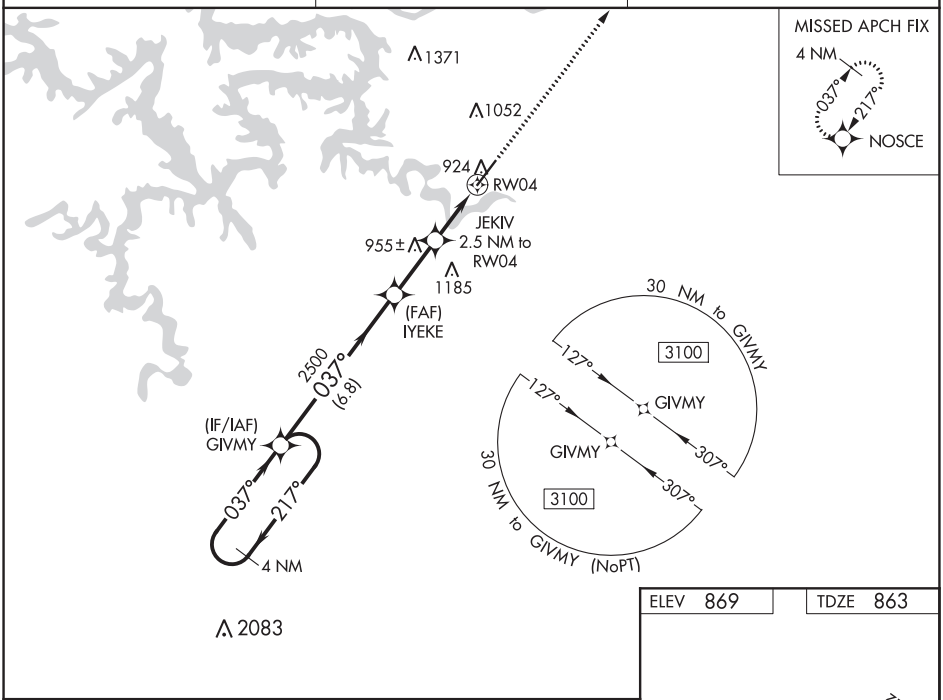
RNAV (GPS) RWY 4
LEE C FINE MEMORIAL (AIZ)

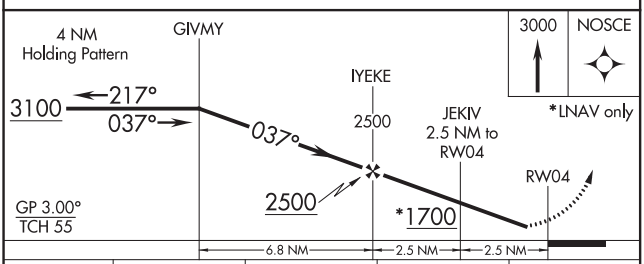
RNP APCH.

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C or above 54°C. Procedure NA at night. Rwy 4 helicopter visibility reduction below 1 SM NA. When local altimeter setting not received, use Camdenton altimeter setting and increase all DA 50 feet, all MDA 60 feet, and LNAV Cat C visibility ⅛ mile. Baro-VNAV NA when using Camdenton altimeter setting.

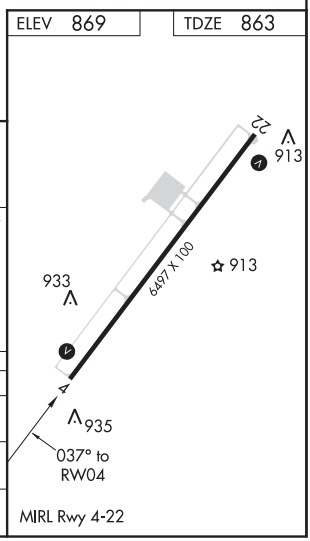
MISSED APPROACH: Climb to 3000 direct NOSCE and hold.

AWOS-3PT	MIZZU APP CON	UNICOM
135.325	124.1 353.7	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1127-1	264 (300-1)		NA
LNAV/VNAV DA	1113-1	250 (300-1)		NA
LNAV MDA	1220-1	357 (400-1)		NA



NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

KAISER/LAKE OZARK, MISSOURI — AL-5765 (FAA) — 19115

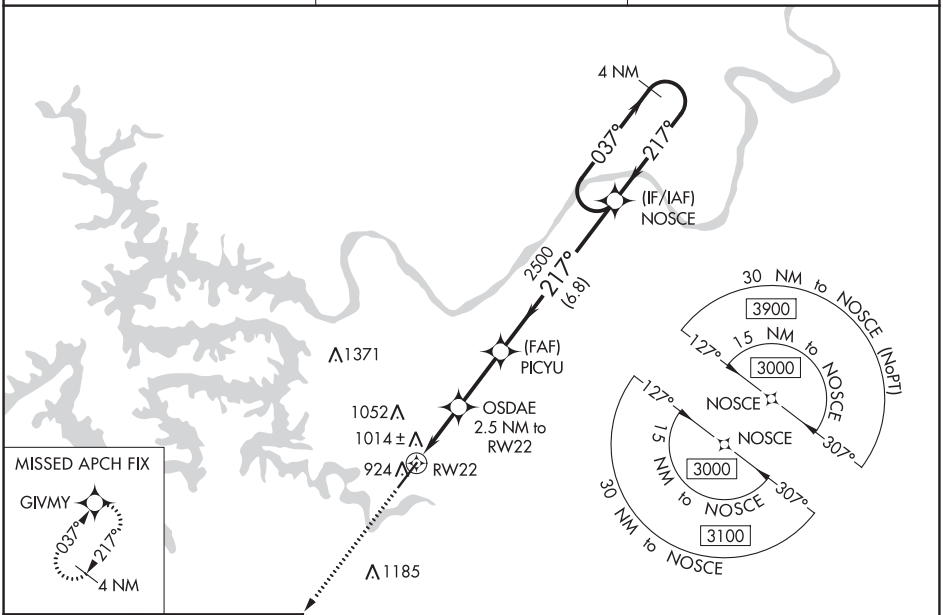
WAAS CH 72732 W22A	APP CRS 217°	Rwy ldg 6497 TDZE 869 Apt Elev 869

RNAV (GPS) RWY 22
LEE C FINE MEMORIAL (AIZ)

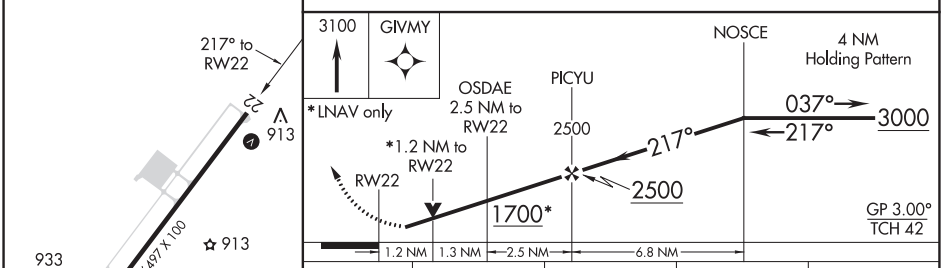
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Helicopter visibility reduction below 1 SM NA. When local altimeter setting not received, use Camdenton altimeter setting and increase all DA 50 feet, all MDA 60 feet, LNAV/VNAV all Cats visibility ⅛ mile and LNAV Cat C visibility ¼ mile. Baro-VNAV and VDP NA with Camdenton altimeter setting.

MISSED APPROACH: Climb to 3100 direct GIVMY and hold.

AWOS-3PT	MIZZU APP CON	UNICOM
135.325	124.1 353.7	122.8 (CTAF) L



ELEV 869 | TDZE 869



CATEGORY	A	B	C	D
LPV DA	1119-1 250 (300-1)			NA
LNAV/VNAV DA	1164-1 295 (300-1)			NA
LNAV MDA	1280-1 411 (500-1)		1280-1⅛ 411 (500-1⅛)	NA
CIRCLING	1320-1 451 (500-1)		1380-1½ 511 (600-1½)	NA

MIRL Rwy 4-22

KAISER/LAKE OZARK, MISSOURI
Amdt 1A 21AUG14

38°06′N-92°33′W

LEE C FINE MEMORIAL (AIZ)
RNAV (GPS) RWY 22

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

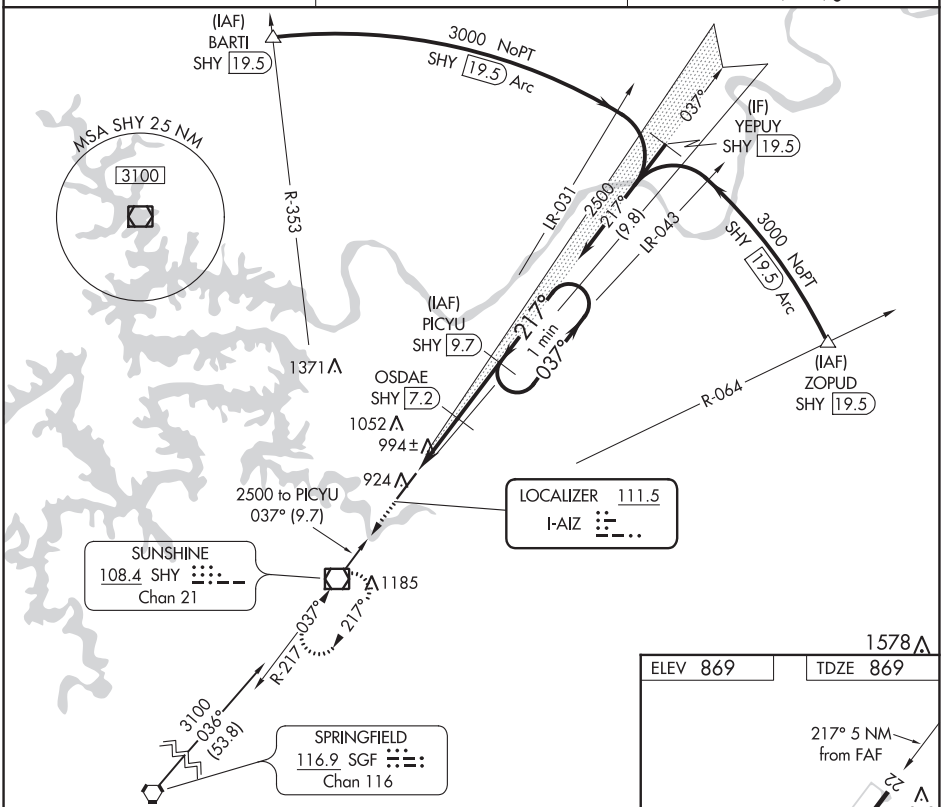
LOC I-AIZ	APP CRS	Rwy ldg	6497
111.5	217°	TDZE	869
		Apt Elev	869

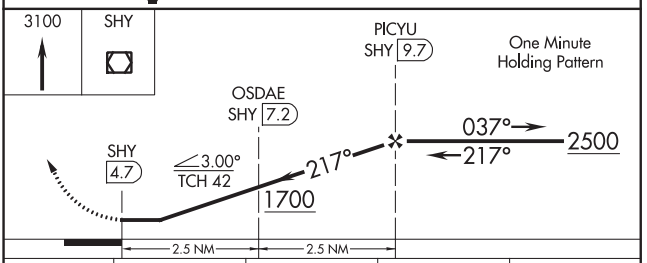
LOC/DME RWY 22
LEE C FINE MEMORIAL (AIZ)

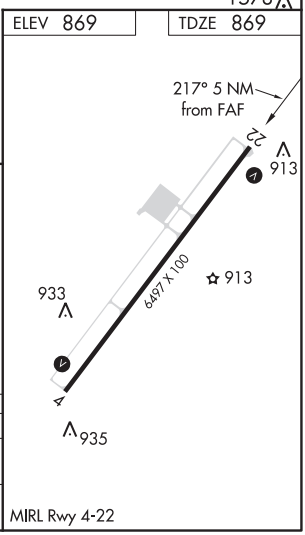
When local altimeter setting not received, use Camdenton altimeter setting and increase all MDA 60 feet and S-22 Cat C visibility ¼ mile. Helicopter visibility reduction below 1 SM NA. DME from SHY VOR/DME. Simultaneous reception of I-AIZ and SHY VOR/DME required.

MISSED APPROACH: Climb to 3100 direct SHY VOR/DME and hold, continue climb-in-hold to 3100.

AWOS-3PT	MIZZU APP CON	UNICOM
135.325	124.1 353.7	122.8 (CTAF)







CATEGORY	A	B	C	D
S-22	1260-1	391 (400-1)	1260-1⅛ 391 (400-1⅛)	NA
CIRCLING	1320-1	451 (500-1)	1380-1½ 511 (600-1½)	NA

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

KAISER/LAKE OZARK, MISSOURI — AL-5765 (FAA) — 20086

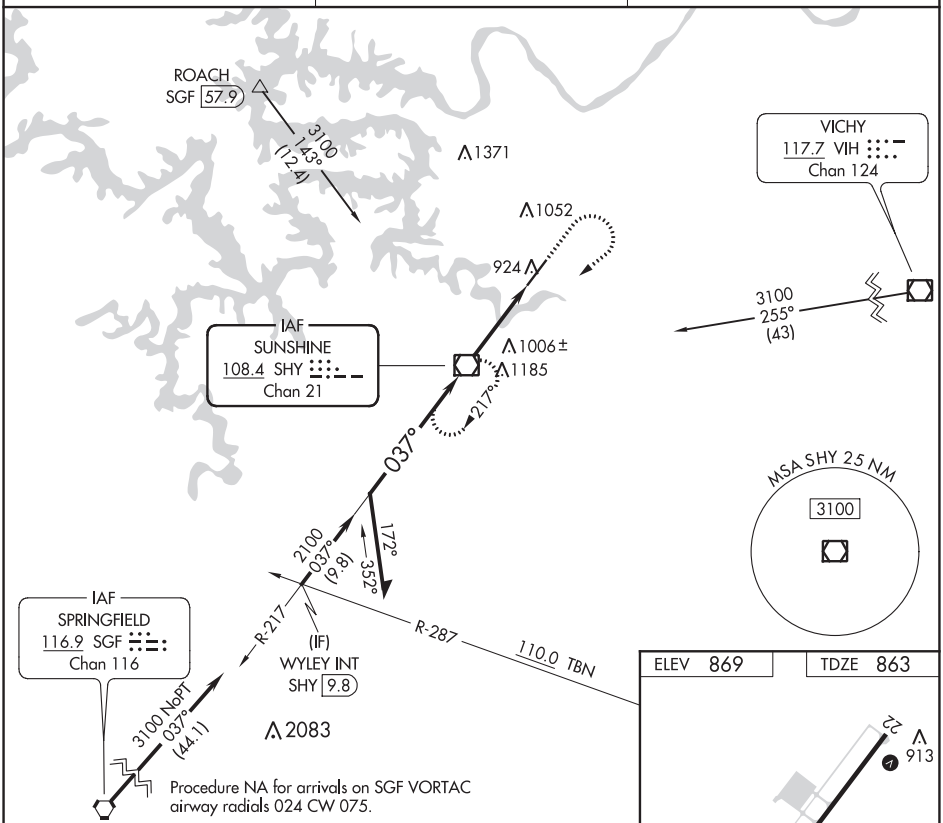
VOR/DME SHY 108.4 Chan 21	APP CRS 037°	Rwy ldg 6497 TDZE 863 Apt Elev 869

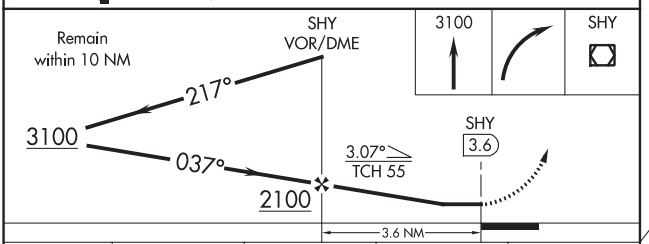
VOR RWY 4
LEE C FINE MEMORIAL (AIZ)

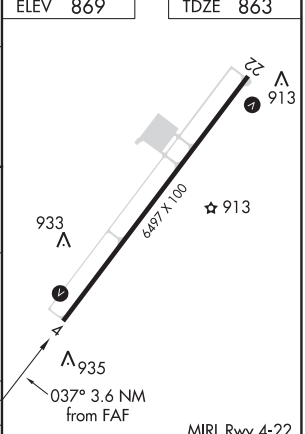
Straight-in minimums NA at night. Helicopter visibility reduction below 1 SM NA. When local altimeter setting not received, use Camdenton altimeter setting and increase all MDA 60 feet and S-4 Cat C visibility ¼ mile.

MISSED APPROACH: Climb to 3100 then right turn direct SHY VOR/DME and hold.

AWOS-3PT	MIZZU APP CON	UNICOM
135.325	124.1 353.7	122.8 (CTAF) L







CATEGORY	A	B	C	D
S-4	1260-1 397 (400-1)		1260-1⅛ 397 (400-1⅛)	NA
CIRCLING	1320-1 451 (500-1)		1380-1½ 511 (600-1½)	NA

FAF to MAP 3.6 NM					
Knots	60	90	120	150	180
Min:Sec	3:36	2:24	1:48	1:26	1:12

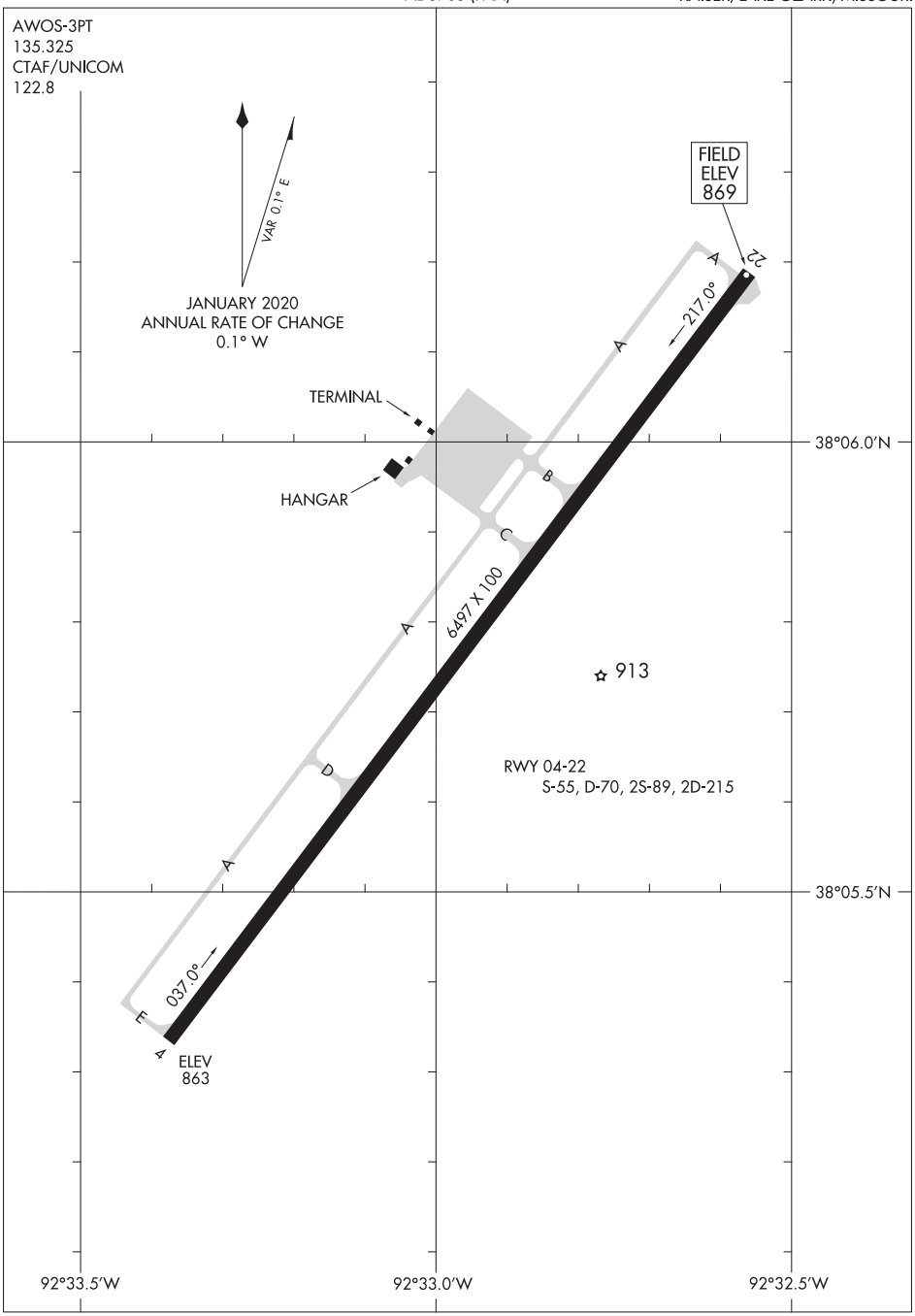
KAISER/LAKE OZARK, MISSOURI
Amdt 7B 02APR15

38°06′N-92°33′W

LEE C FINE MEMORIAL (AIZ)
VOR RWY 4

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021



NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

KANSAS CITY, MISSOURI

AL-213 (FAA)

20142

ILS or LOC RWY 3

CHARLES B WHEELER DOWNTOWN (MKC)

LOC/DME I-GQR	APP CRS	Rwy ldg	4270
111.75	035°	TDZE	744
Chan 54 (Y)		Apt Elev	757

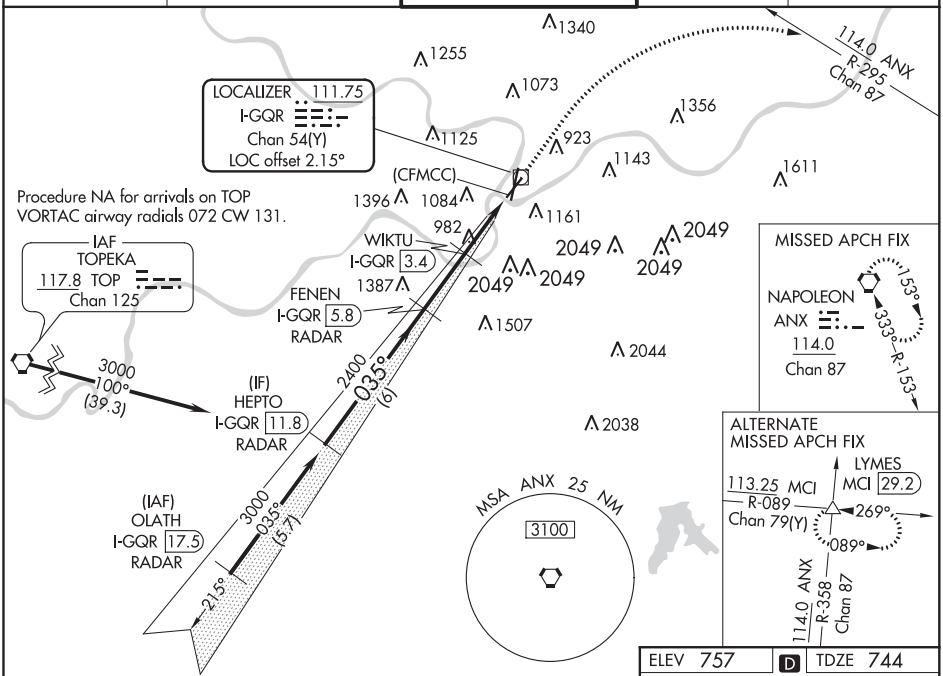
DME or RADAR required for procedure entry. DME or RADAR required for LOC only.

T Autopilot coupled approach NA below 1013. Circling NA east Rwy 1-19.

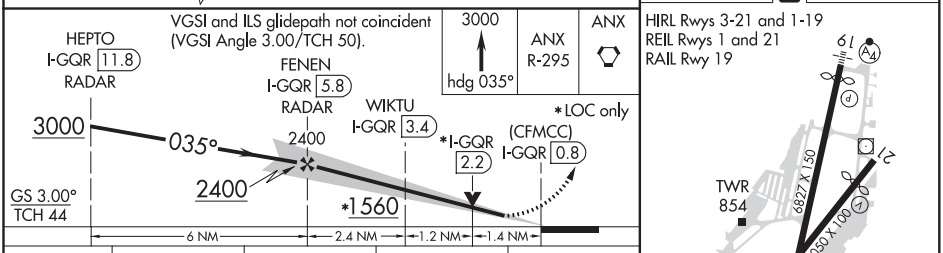
A Circling NA to Rwy 21. Circling NA for Cat D to Rwy 3. Rwy 3 helicopter visibility reduction below RVR 4000 NA.

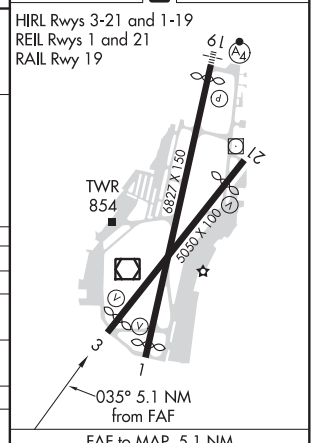
MISSED APPROACH: Climb to 3000 on heading 035° and on ANX VORTAC R-295 to ANX VORTAC and hold.

ATIS	KANSAS CITY APP CON	DOWNTOWN TOWER	CLNC DEL	GND CON
120.75	118.4 307.35	133.3 233.7	121.9	121.9



ELEV 757	D	TDZE 744





CATEGORY	A	B	C	D
S-ILS 3	994/40 250 (300-¾)			NA
S-LOC 3	1560/55 816 (900-1)	1560/60 816 (900-1¼)	1560-2½ 816 (900-2½)	NA
C CIRCLING	1560-1 803 (900-1)	1560-1¼ 803 (900-1¼)	1560-2½ 803 (900-2½)	
WIKTU FIX MINIMUMS (DME REQUIRED)				
S-LOC 3	1240/55 496 (500-1)		1240-1⅜ 496 (500-1⅜)	NA
C CIRCLING	1380-1 623 (700-1)	1400-1 643 (700-1)	1460-2 703 (800-2)	1540-2½ 783 (800-2½)

FAF to MAP 5.1 NM

Knots	60	90	120	150	180
Min:Sec	5:06	3:24	2:33	2:02	1:42

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

LOC/DME I-MKC 109.9 Chan 36	APP CRS 192°	Rwy ldg 6525 TDZE 754 Apt Elev 757

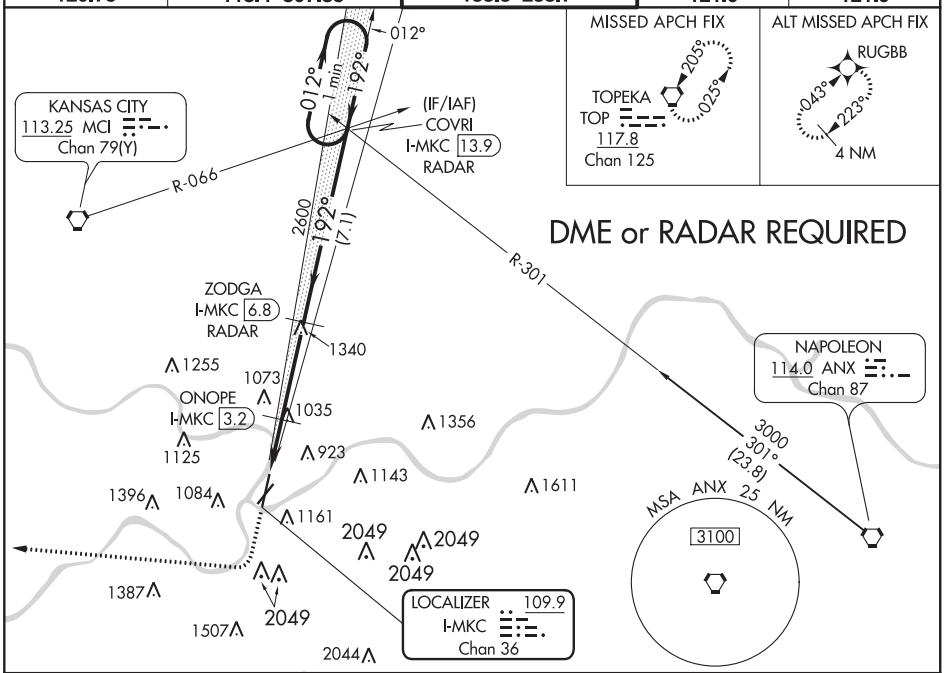
ILS or LOC RWY 19
CHARLES B WHEELER DOWNTOWN (MKC)

Circling NA east of Rwy 1-19. DME or RADAR required. Circling NA to Rwy 21. For inoperative ALS, increase S-LOC 19 Cat C/D visibility to 2 SM. Circling NA for Cat D to Rwy 3. Rwy 19 helicopter visibility reduction below RVR 4000 NA.

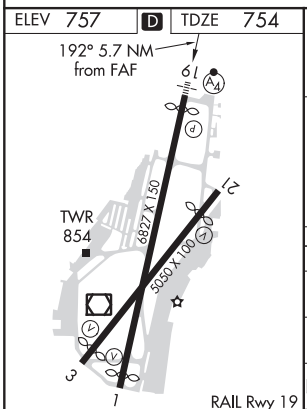
MALSF

MISSED APPROACH: Climb to 1300 then climbing right turn to 4000 direct TOP VORTAC and hold.

ATIS	KANSAS CITY APP CON	DOWNTOWN TOWER	CLNC DEL	GND CON
120.75	118.4 307.35	133.3 233.7	121.9	121.9

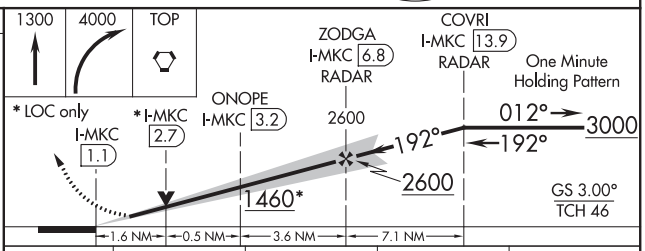


ELEV 757	D	TDZE 754



RAIL Rwy 19
REIL Rwys 1 and 21
HIRL Rwys 1-19 and 3-21

FAF to MAP 5.7 NM					
Knots	60	90	120	150	180
Min:Sec	5:42	3:48	2:51	2:17	1:54



CATEGORY	A	B	C	D
S-ILS 19	1004/40 250 (300-¾)			
S-LOC 19	1460/40 706 (800-¾)	1460/55 706 (800-1)	1460-1⅞ 706 (800-1⅞)	
C CIRCLING	1460-1 703 (800-1)		1460-2 703 (800-2)	1540-2½ 783 (800-2½)
DME MINIMUMS				
S-LOC 19	1300/40 546 (600-¾)		1300-1⅜ 546 (600-1⅜)	
C CIRCLING	1380-1 623 (700-1)	1400-1 643 (700-1)	1460-2 703 (800-2)	1540-2½ 783 (800-2½)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

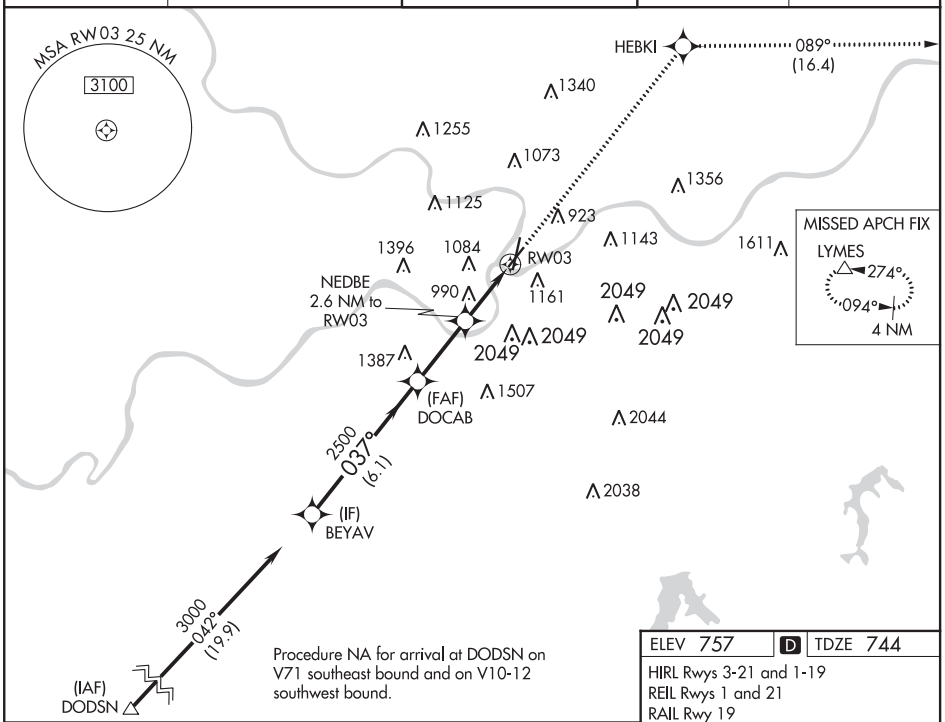
WAAS CH 50112 W03A	APP CRS 037°	Rwy ldg 4270 TDZE 744 Apt Elev 757

RNAV (GPS) RWY 3
CHARLES B WHEELER DOWNTOWN (MKC)

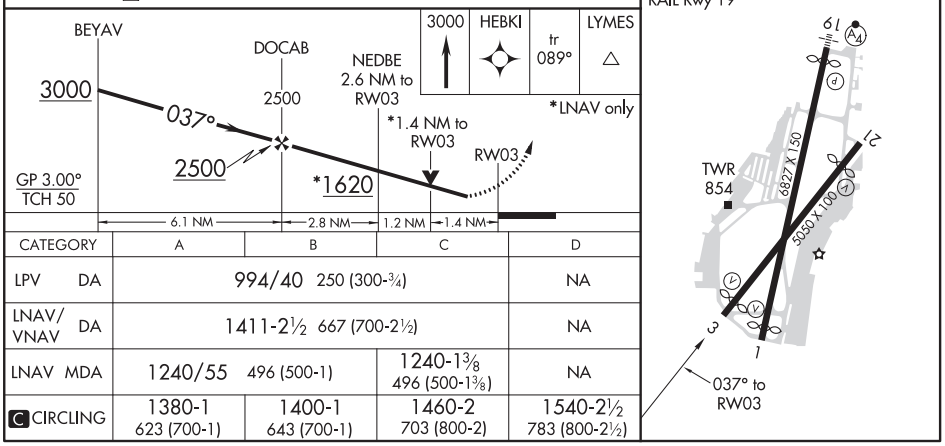
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -6°C (22°F) or above 54°C (130°F). Circling NA east of Rwy 1-19. DME/DME RNP-0.3 NA. Circling NA for Cat D to Rwy 3. Rwy 3 helicopter visibility reduction below RVR 4000 NA. Circling NA to Rwy 21.

MISSED APPROACH: Climb to 3000 direct HEBKI and on track 089° to LYMES and hold.

ATIS	KANSAS CITY APP CON	DOWNTOWN TOWER	CLNC DEL	GND CON
120.75	118.4 307.35	133.3 233.7	121.9	121.9



Procedure NA for arrival at DODSN on V71 southeast bound and on V10-12 southwest bound.



CATEGORY	A	B	C	D
LPV DA	994/40 250 (300-¾)			NA
LNAV/VNAV DA	1411-2½ 667 (700-2½)			NA
LNAV MDA	1240/55 496 (500-1)		1240-1⅜ 496 (500-1⅜)	NA
C CIRCLING	1380-1 623 (700-1)	1400-1 643 (700-1)	1460-2 703 (800-2)	1540-2½ 783 (800-2½)

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 90320 W19A	APP CRS 192°	Rwy ldg 6525 TDZE 754 Apt Elev 757

RNAV (GPS) RWY 19

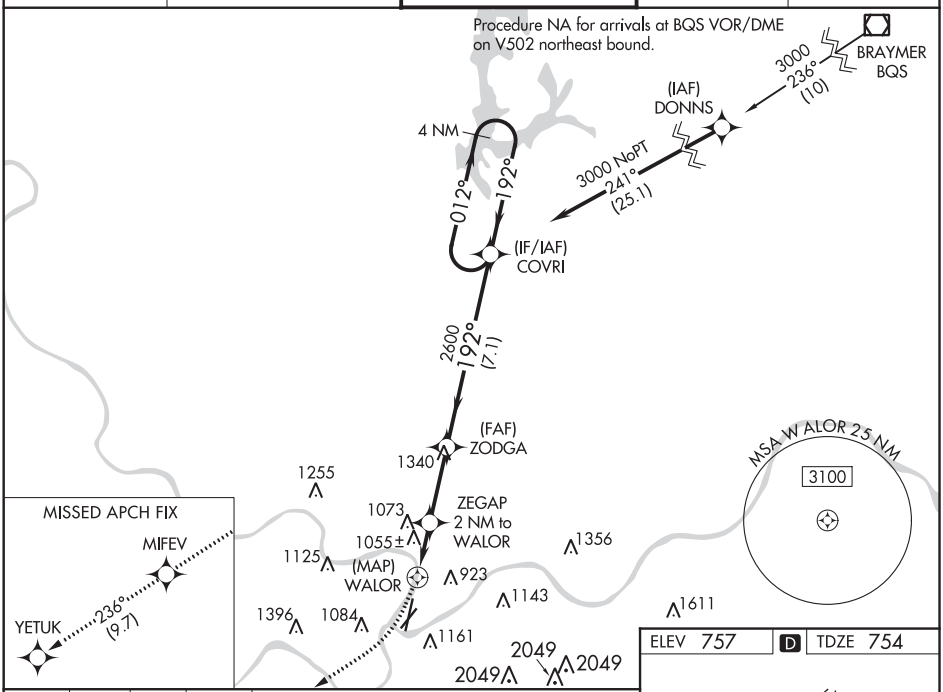
CHARLES B WHEELER DOWNTOWN (MKC)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -6°C (22°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Circling Cat C/D NA to Rwy 3. Rwy 19 helicopter visibility reduction below RVR 4000 NA. Circling NA to Rwy 21. For inop ALS, increase LNAV Cat A/B visibility to RVR 6000 and Cat C to 1¾ SM. Inop table does not apply to LNAV Cat D.

MALSF

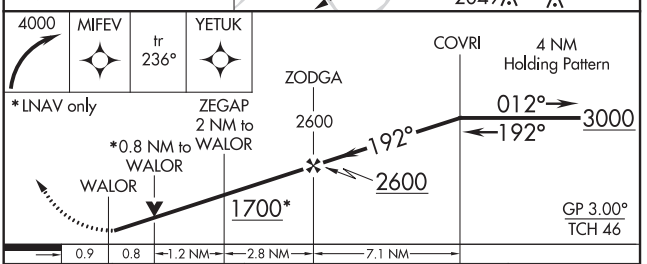
MISSED APPROACH: Climbing right turn to 4000 direct MIFEV and on track 236° to YETUK and hold.

ATIS	KANSAS CITY APP CON	DOWNTOWN TOWER	CLNC DEL	GND CON
120.75	118.4 307.35	133.3 233.7	121.9	121.9

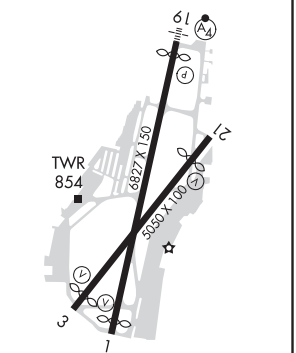


4000	MIFEV	tr 236°	YETUK

*LNAV only



ELEV 757 | D | TDZE 754



CATEGORY	A	B	C	D
LPV DA	1157/60 403 (400-1¼)			
LNAV/VNAV DA	1300-1⅝ 546 (600-1⅝)			
LNAV MDA	1340/40 586 (600-¾)		1340-1⅜ 586 (600-1⅜)	1640-2½ 886 (900-2½)
C CIRCLING	1380-1 623 (700-1)	1400-1 643 (700-1)	1460-2 703 (800-2)	1640-3 883 (900-3)

RAIL Rwy 19
REIL Rwys 1 and 21
HIRL Rwys 3-21 and 1-19

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

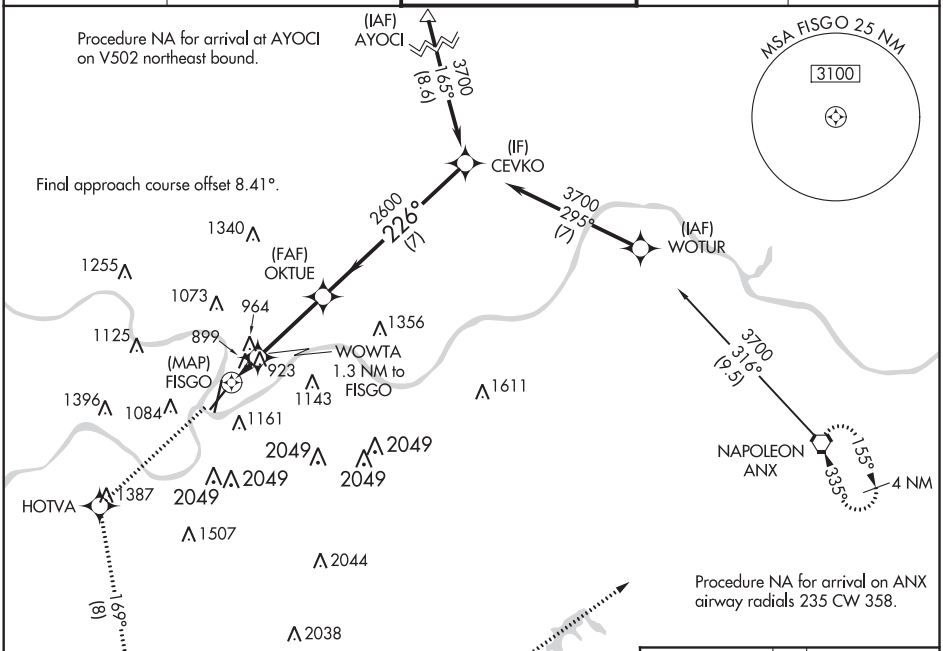
WAAS CH 40327 W21A	APP CRS 226°	Rwy ldg 4351 TDZE 744 Apt Elev 757

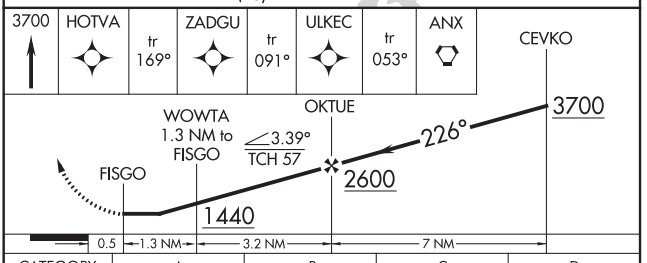
RNAV (GPS) RWY 21
CHARLES B WHEELER DOWNTOWN (MKC)

DME/DME RNP-0.3 NA. Circling Cat D NA Rwy 3. Rwy 21 helicopter visibility reduction below 1 SM NA. Circling to Rwy 21 NA. Straight-in Rwy 21 at night, operational VGSI required, remain at or above VGSI glidepath until threshold. Circling NA east of Rwy 1/19.

MISSED APPROACH: Climb to 3700 direct HOTVA and on track 169° to ZADGU and on track 091° to ULKEC and on track 053° to ANX VORTAC and hold.

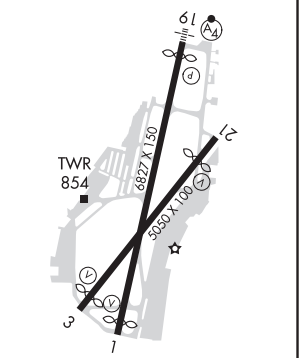
ATIS	KANSAS CITY APP CON	DOWNTOWN TOWER	CLNC DEL	GND CON
120.75	118.4 307.35	133.3 233.7	121.9	121.9





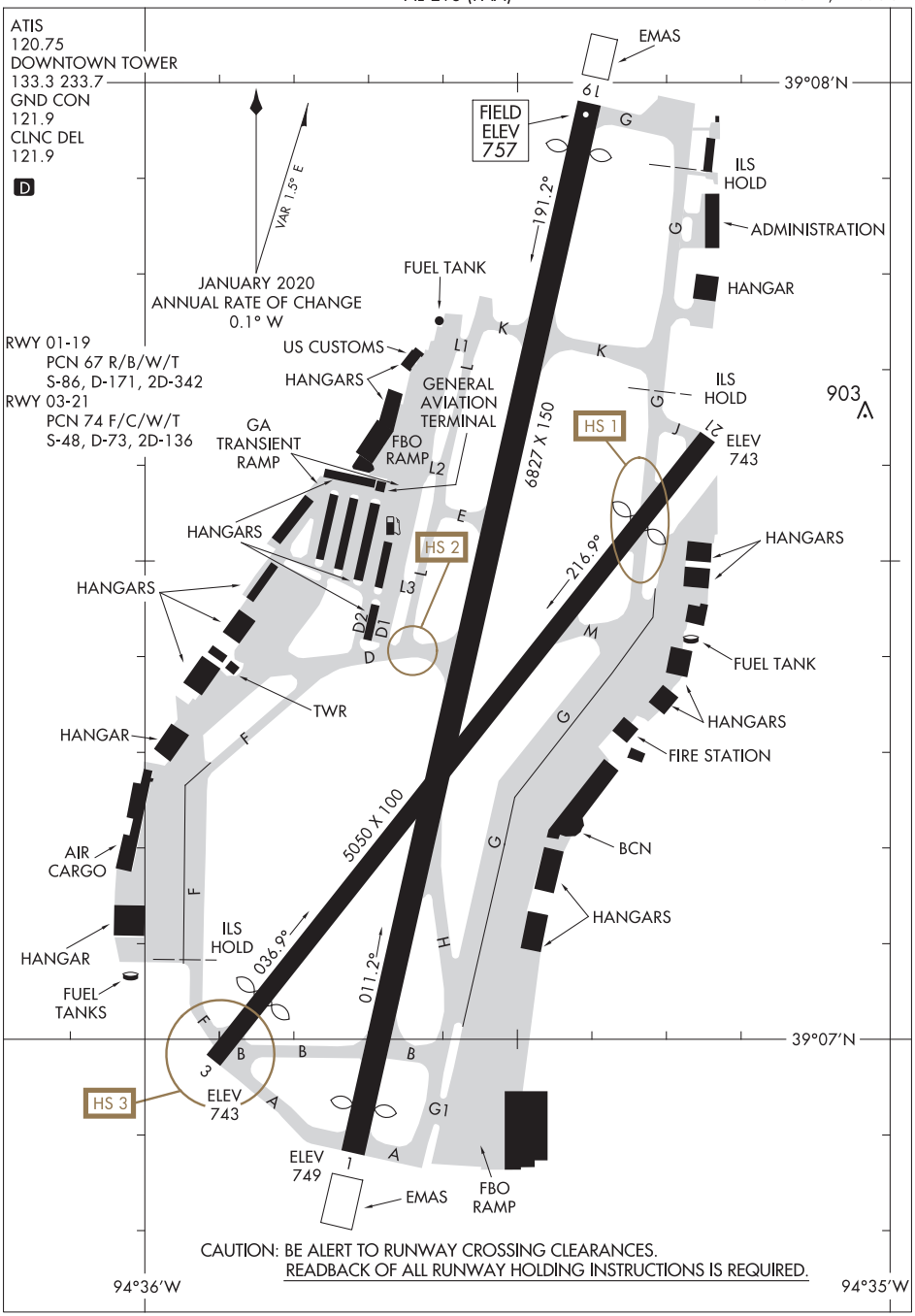
CATEGORY	A	B	C	D
LP MDA	1160-1 416 (500-1)		1160-1⅛ 416 (500-1⅛)	NA
LNAV MDA	1260-1 516 (600-1)		1260-1⅜ 516 (600-1⅜)	NA
C CIRCLING	1380-1 623 (700-1)	1400-1 643 (700-1)	1460-2 703 (800-2)	1540-2½ 783 (800-2½)

ELEV 757 D TDZE 744



RAIL Rwy 19
REIL Rwys 1 and 21
HIRL Rwys 3-21 and 1-19

NC-3, 25 FEB 2021 to 22 APR 2021

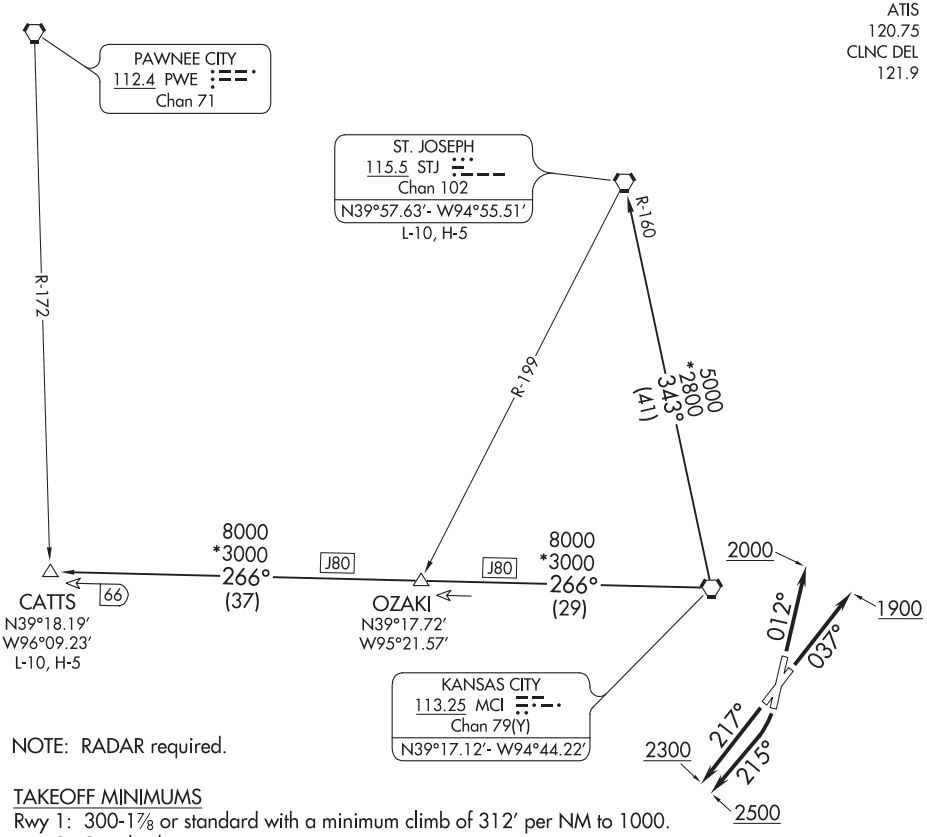

ATIS
120.75
DOWNTOWN TOWER
133.3 233.7
GND CON
121.9
CLNC DEL
121.9
D
VAR 1.5° E
JANUARY 2020
ANNUAL RATE OF CHANGE
0.1° W
RWY 01-19
PCN 67 R/B/W/T
S-86, D-171, 2D-342
RWY 03-21
PCN 74 F/C/W/T
S-48, D-73, 2D-136
EMAS
39°08'N
6 L
FIELD
ELEV
757
191.2°
ILS
HOLD
ADMINISTRATION
HANGAR
FUEL TANK
US CUSTOMS
HANGARS
GENERAL
AVIATION
TERMINAL
GA
TRANSIENT
RAMP
FBO
RAMP
6827 X 150
HS 1
ILS
HOLD
903
ELEV
743
HANGARS
HS 2
216.9°
HANGARS
HANGARS
FUEL TANK
TWR
HANGARS
HANGAR
FIRE STATION
5050 X 100
BCN
AIR
CARGO
HANGARS
ILS
HOLD
036.9°
011.2°
HANGAR
FUEL
TANKS
39°07'N
HS 3
ELEV
743
ELEV
749
EMAS
FBO
RAMP
CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.
READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.
94°36'W
94°35'W

(CHIEF7.MCI) 20086

CHIEF SEVEN DEPARTURE

AL-213 (FAA)

CHARLES B WHEELER DOWNTOWN (MKC)
KANSAS CITY, MISSOURI



NOTE: RADAR required.

TAKEOFF MINIMUMS
Rwy 1: 300-1⅞ or standard with a minimum climb of 312′ per NM to 1000.
Rwy 3: Standard.
Rwy 19: Standard with minimum climb of 465′ per NM to 2500.
Rwy 21: 200-1⅝ or standard with minimum climb of 260′ per NM to 1000.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 1: Climb heading 012° to 2000, thence. . . .

TAKEOFF RUNWAY 3: Climb heading 037° to 1900, thence. . . .

TAKEOFF RUNWAY 19: Climbing right turn heading 215° to 2500, thence. . . .

TAKEOFF RUNWAY 21: Climb heading 217° to 2300, thence. . . .

. . . .climb on assigned heading for RADAR vectors to appropriate route. Expect filed altitude 10 minutes after departure.

CATTS TRANSITION (CHIEF7.CATTS): From over MCI VORTAC on MCI R-266 to CATTS INT.

ST. JOSEPH TRANSITION (CHIEF7.STJ): From over MCI VORTAC on MCI R-343 and STJ R-160 to STJ VORTAC.

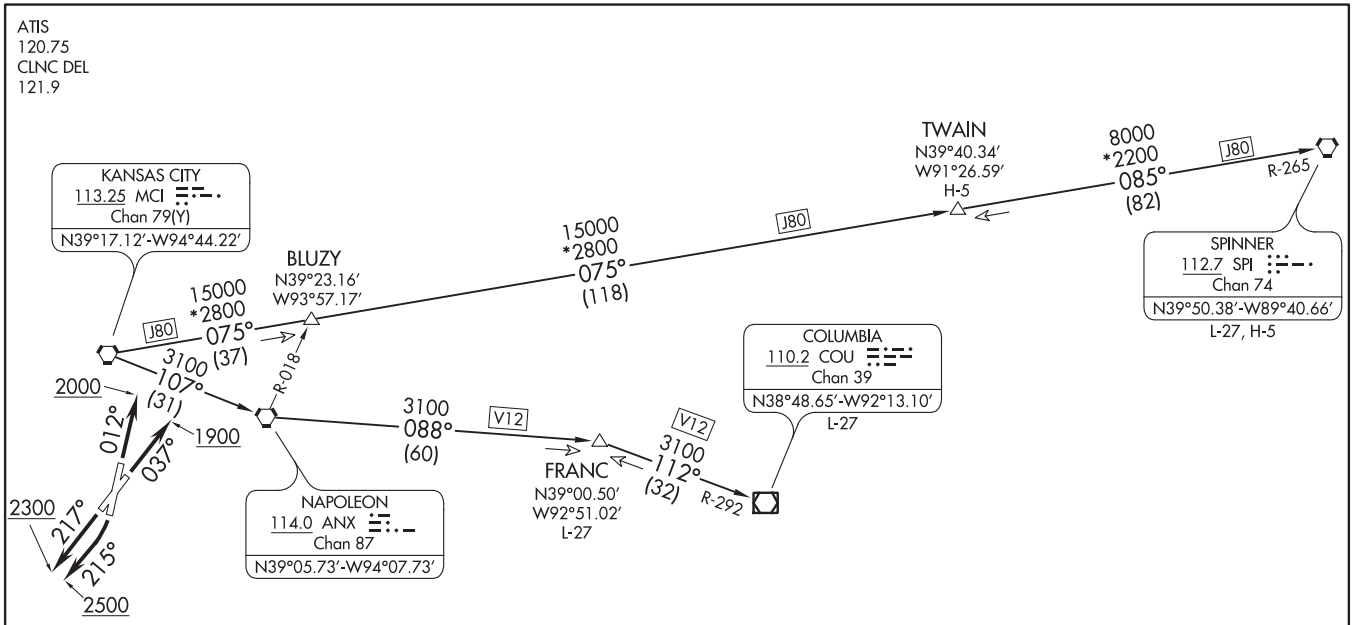
NC-3, 25 FEB 2021 to 22 APR 2021

(LAKES3.MCI) 20086

LAKES THREE DEPARTURE

AL-213 (FAA)

CHARLES B WHEELER DOWNTOWN (MKC)
KANSAS CITY, MISSOURI



NOTE: RADAR required.
NOTE: DME required.

TAKEOFF MINIMUMS

Rwy 1: 300-1⅞ or standard with a minimum climb of 312′ per NM to 1000′.
Rwy 3: Standard.
Rwy 19: Standard with minimum climb of 465′ per NM to 2500′.
Rwy 21: 300-1⅝ or standard with minimum climb of 260′ per NM to 1000′.

(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.

LAKES THREE DEPARTURE
(LAKES3.MCI) 28FEB19
CHARLES B WHEELER DOWNTOWN (MKC)
KANSAS CITY, MISSOURI

NC-3, 25 FEB 2021 to 22 APR 2021

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 1: Climb heading 012° to 2000, thence. . . .
TAKEOFF RUNWAY 3: Climb heading 037° to 1900, thence. . . .
TAKEOFF RUNWAY 19: Climbing right turn heading 215° to 2500, thence. . . .
TAKEOFF RUNWAY 21: Climb heading 217° to 2300, thence. . . .

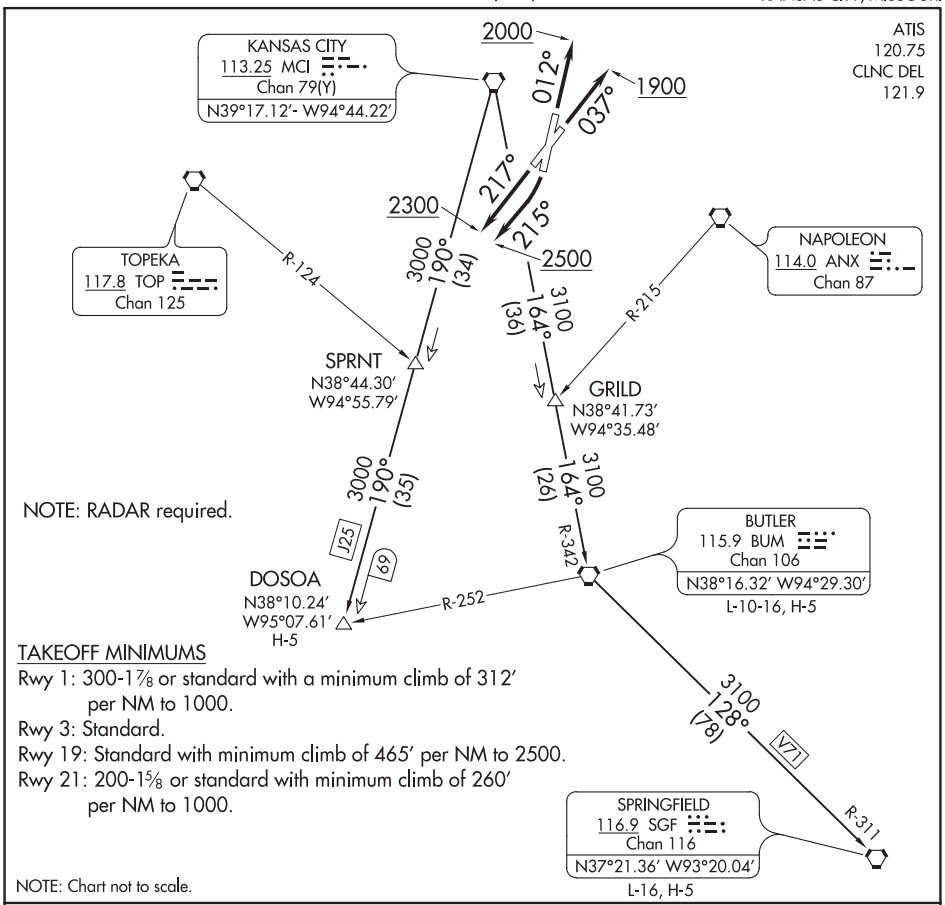
. . . .climb on assigned heading for RADAR vectors to appropriate route.
Expect filed altitude 10 minutes after departure.

COLUMBIA TRANSITION (LAKES3.COU): From over MCI VORTAC on MCI R-107 to ANX VORTAC, then on ANX R-088 and COU R-292 to COU VOR/DME.

FRANC TRANSITION (LAKES3.FRANC): From over MCI VORTAC on MCI R-107 to ANX VORTAC, then on ANX R-088 to FRANC FIX.

SPINNER TRANSITION (LAKES3.SPI): From over MCI VORTAC on MCI R-075 and SPI R-265 to TWAIN FIX, then on SPI R-265 to SPI VORTAC.

TWAIN TRANSITION (LAKES3.TWAIN): From over MCI VORTAC on MCI R-075 and SPI R-265 to TWAIN FIX.



TAKEOFF MINIMUMS

Rwy 1: 300-1⅞ or standard with a minimum climb of 312′ per NM to 1000.
Rwy 3: Standard.
Rwy 19: Standard with minimum climb of 465′ per NM to 2500.
Rwy 21: 200-1⅝ or standard with minimum climb of 260′ per NM to 1000.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 1: Climb heading 012° to 2000, thence. . . .

TAKEOFF RUNWAY 3: Climb heading 037° to 1900, thence. . . .

TAKEOFF RUNWAY 19: Climbing right turn heading 215° to 2500, thence. . . .

TAKEOFF RUNWAY 21: Climb heading 217° to 2300, thence. . . .

. . . .climb on assigned heading for RADAR vectors to appropriate route. Expect filed altitude 10 minutes after departure.

BUTLER TRANSITION (RACER7.BUM): From over MCI VORTAC on MCI R-164 and BUM R-342 to BUM VORTAC.

DOSOA TRANSITION (RACER7.DOSOA): From over MCI VORTAC on MCI R-190 to DOSOA.

SPRINGFIELD TRANSITION (RACER7.SGF): From over MCI VORTAC on MCI R-164 and BUM R-342 to BUM VORTAC, then on BUM R-128 and SGF R-311 to SGF VORTAC.

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

(ROYAL9.MCI) 20086

ROYAL NINE DEPARTURE

AL-213 (FAA)

CHARLES B WHEELER DOWNTOWN (MKC)
KANSAS CITY, MISSOURI

ATIS 120.75
CLNC DEL 121.9

TAKEOFF MINIMUMS
Rwy 1: 300-1⅞ or standard with a minimum climb of 312' per NM to 1000.
Rwy 3: Standard.
Rwy 19: Standard with minimum climb of 465' per NM to 2500.
Rwy 21: 200-1⅝ or standard with minimum climb of 260' per NM to 1000.

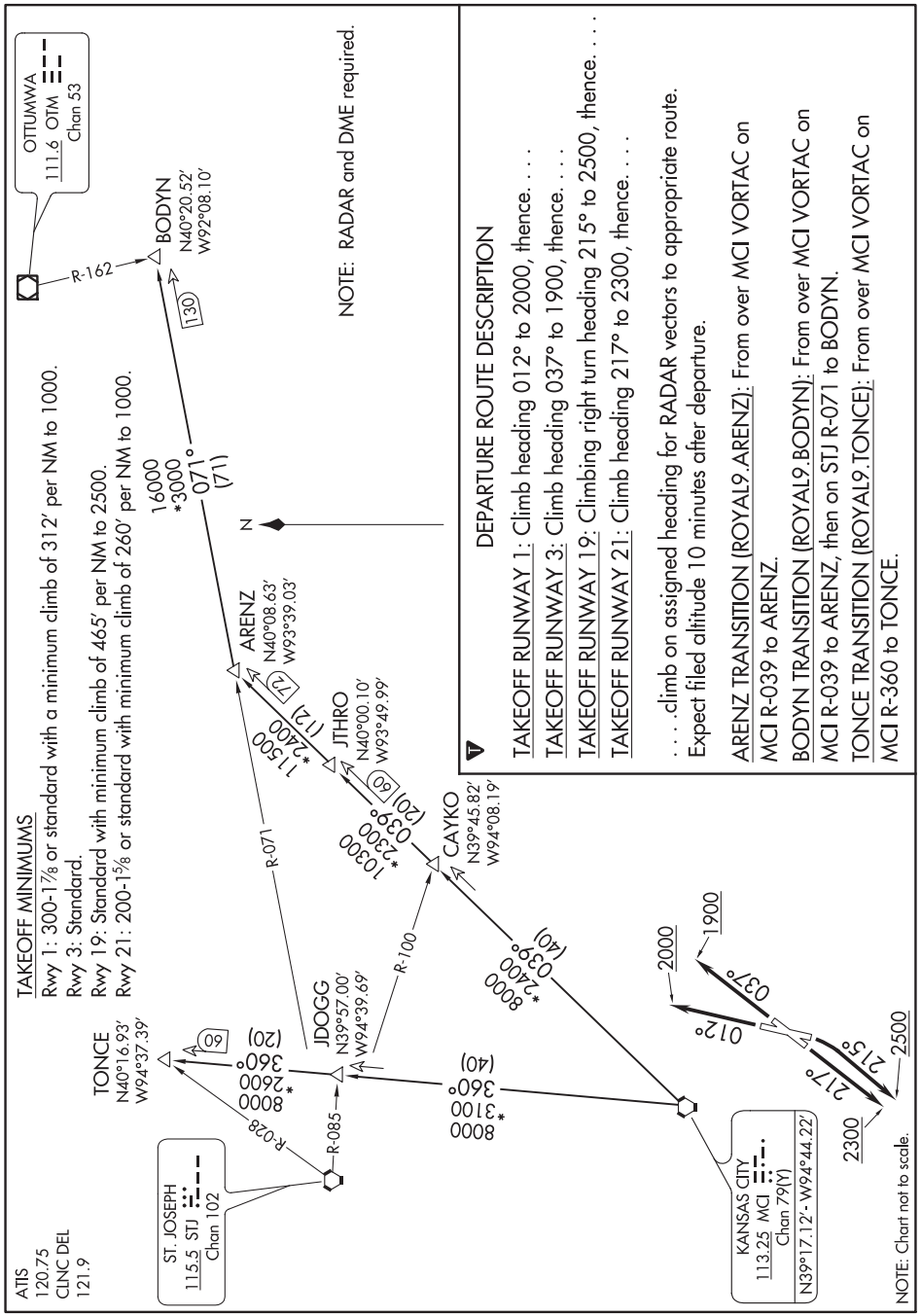
NOTE: RADAR and DME required.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 1: Climb heading 012° to 2000, thence. . . .
TAKEOFF RUNWAY 3: Climb heading 037° to 1900, thence. . . .
TAKEOFF RUNWAY 19: Climbing right turn heading 215° to 2500, thence. . . .
TAKEOFF RUNWAY 21: Climb heading 217° to 2300, thence. . . .

. . . .climb on assigned heading for RADAR vectors to appropriate route. Expect filed altitude 10 minutes after departure.

ARENZ TRANSITION (ROYAL9.ARENZ): From over MCI VORTAC on MCI R-039 to ARENZ.
BODYN TRANSITION (ROYAL9.BODYN): From over MCI VORTAC on MCI R-039 to ARENZ, then on STJ R-071 to BODYN.
TONCE TRANSITION (ROYAL9.TONCE): From over MCI VORTAC on MCI R-360 to TONCE.



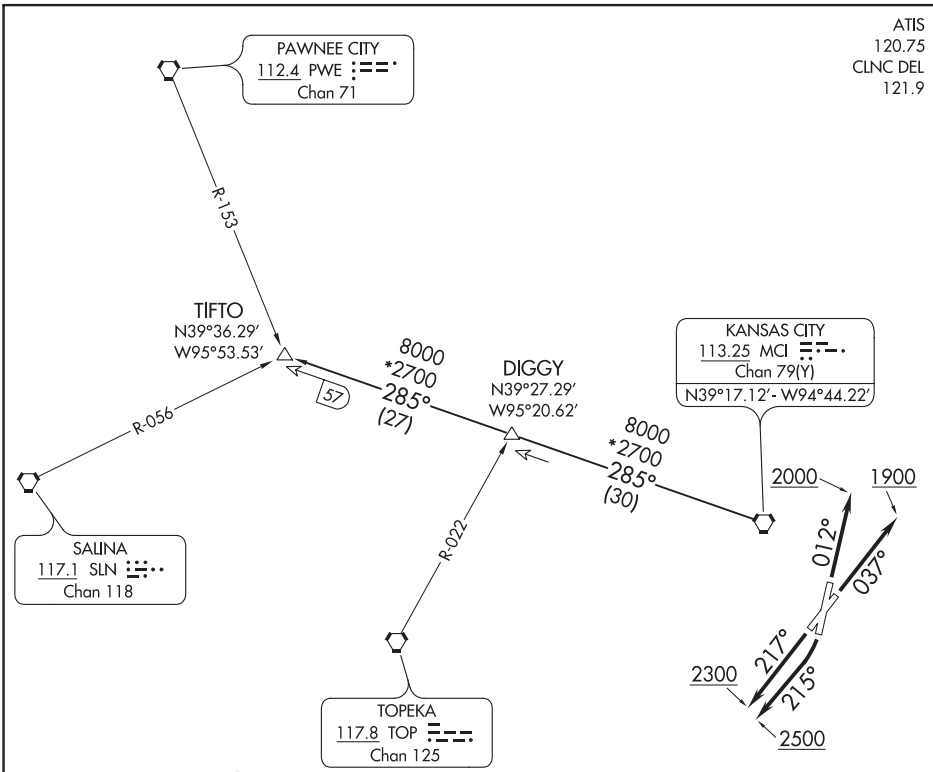
NOTE: Chart not to scale.

NC-3, 25 FEB 2021 to 22 APR 2021

ROYAL NINE DEPARTURE

(ROYAL9.MCI) 01FEB18

KANSAS CITY, MISSOURI
CHARLES B WHEELER DOWNTOWN (MKC)



NOTE: RADAR required.

TAKEOFF MINIMUMS
Rwy 1: 300-1⅞ or standard with a minimum climb of 312′ per NM to 1000.
Rwy 3: Standard.
Rwy 19: Standard with minimum climb of 465′ per NM to 2500.
Rwy 21: 200-1⅝ or standard with minimum climb of 260′ per NM to 1000.

NOTE: Chart not to scale

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 1: Climb heading 012° to 2000, thence. . . .

TAKEOFF RUNWAY 3: Climb heading 037° to 1900, thence. . . .

TAKEOFF RUNWAY 19: Climbing right turn heading 215° to 2500, thence. . . .

TAKEOFF RUNWAY 21: Climb heading 217° to 2300, thence. . . .

. . . .climb on assigned heading for RADAR vectors to appropriate route. Expect filed altitude 10 minutes after departure.

TIFTO TRANSITION (TIFTO6.TIFTO): From over MCI VORTAC on MCI R-285 to TIFTO.

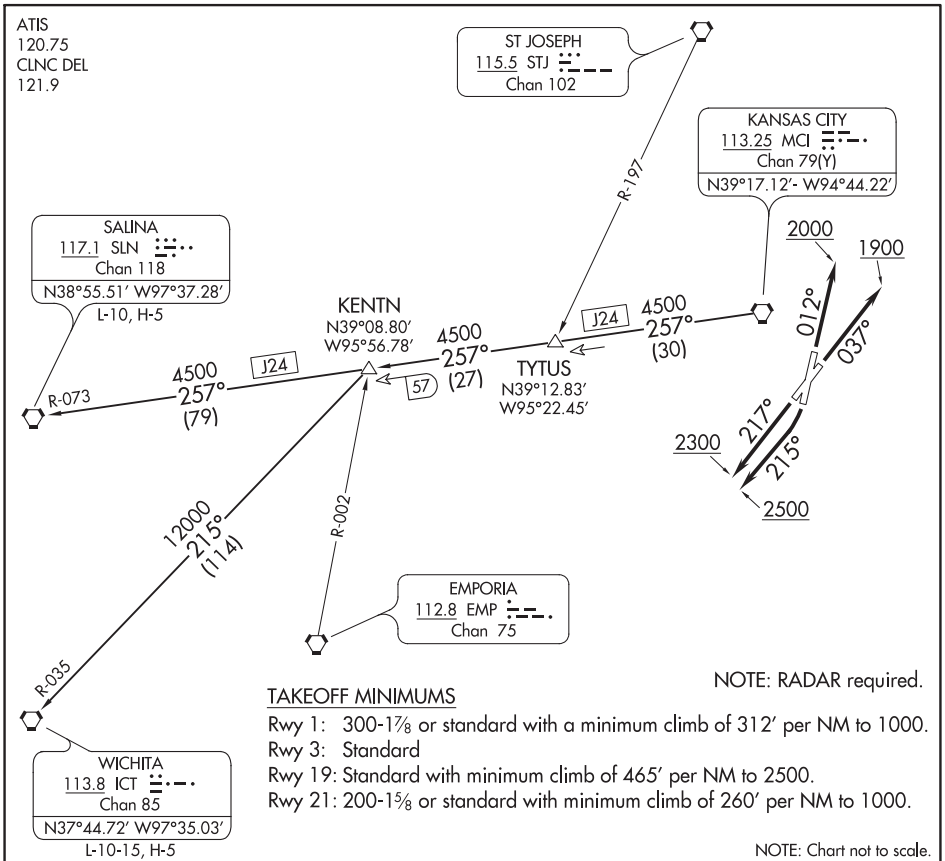
NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

(WLDCT5.MCI) 20086

WILDCAT FIVE DEPARTURE

AL-213 (FAA)

CHARLES B WHEELER DOWNTOWN (MKC)
KANSAS CITY, MISSOURI



NOTE: RADAR required.

TAKEOFF MINIMUMS

Rwy 1: 300-1⅞ or standard with a minimum climb of 312′ per NM to 1000.
Rwy 3: Standard
Rwy 19: Standard with minimum climb of 465′ per NM to 2500.
Rwy 21: 200-1⅝ or standard with minimum climb of 260′ per NM to 1000.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 1: Climb heading 012° to 2000, thence. . . .

TAKEOFF RUNWAY 3: Climb heading 037° to 1900, thence. . . .

TAKEOFF RUNWAY 19: Climbing right turn heading 215° to 2500, thence. . . .

TAKEOFF RUNWAY 21: Climb heading 217° to 2300, thence. . . .

. . . .climb on assigned heading for RADAR vectors to appropriate route. Expect filed altitude 10 minutes after departure.

KENTN TRANSITION (WLDCT5.KENTN): From over MCI VORTAC on MCI R-257 to KENTN.

SALINA TRANSITION (WLDCT5.SLN): From over MCI VORTAC on MCI R-257 and SLN R-073 to SLN VORTAC.

WICHITA TRANSITION (WLDCT5.ICT): From over MCI VORTAC on MCI R-257 to KENTN, then on ICT R-035 to ICT VORTAC.

NC-3, 25 FEB 2021 to 22 APR 2021

LOC/DME I-DOT 110.5 Chan 42	APP CRS 011°	Rwy ldg 10801 TDZE 1014 Apt Elev 1027

ILS or LOC RWY 1L
KANSAS CITY INTL (MCI)

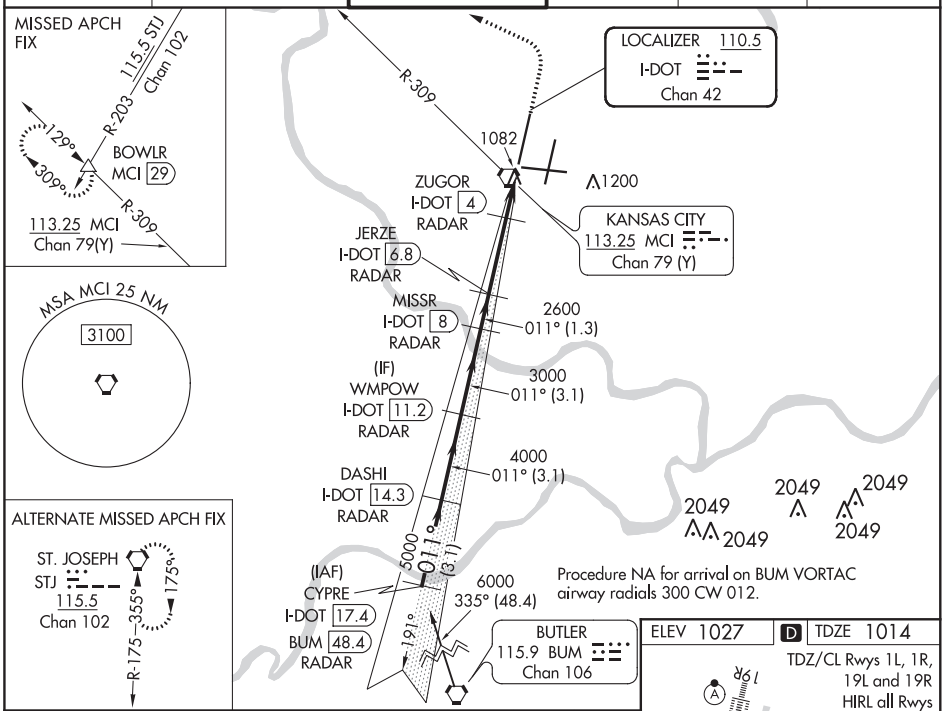
DME or RADAR required.

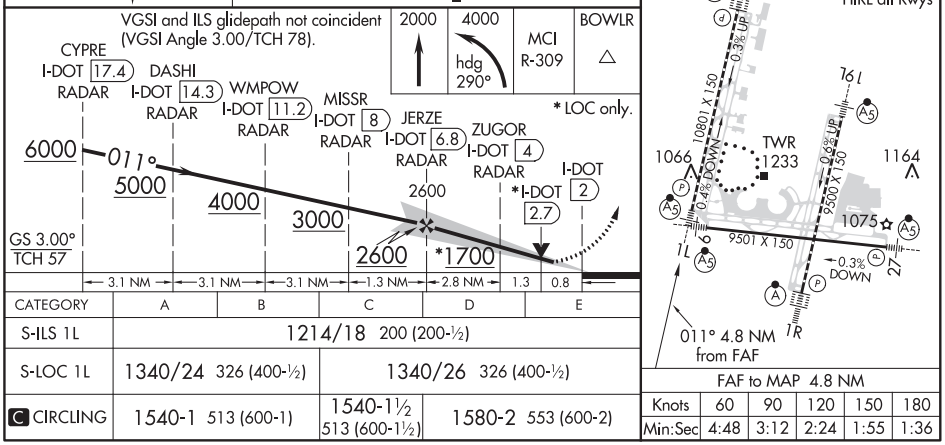
Simultaneous approach authorized. For inop ALS, increase S-ILS 1L Cat E visibility to RVR 4000 and S-LOC 1L Cat E visibility to RVR 5000.

MALSR

MISSED APPROACH: Climb to 2000 then climbing left turn to 4000 on heading 290° and MCI VORTAC R-309 to BOWLR INT/MCI 29 DME and hold.

D-ATIS	KANSAS CITY APP CON	INTERNATIONAL TOWER	GND CON	CLNC DEL	CPDLC
128.375	120.95 318.1	128.2 254.25	121.8	135.7	





CATEGORY	A	B	C	D	E
S-ILS 1L	1214/18 200 (200-½)				
S-LOC 1L	1340/24 326 (400-½)		1340/26 326 (400-½)		
C CIRCLING	1540-1 513 (600-1)		1540-1½ 513 (600-1½)	1580-2 553 (600-2)	

FAF to MAP 4.8 NM

Knots	60	90	120	150	180
Min:Sec	4:48	3:12	2:24	1:55	1:36

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

KANSAS CITY, MISSOURI | AL-780 (FAA) | 20254

ILS or LOC RWY 1R
KANSAS CITY INTL (MCI)

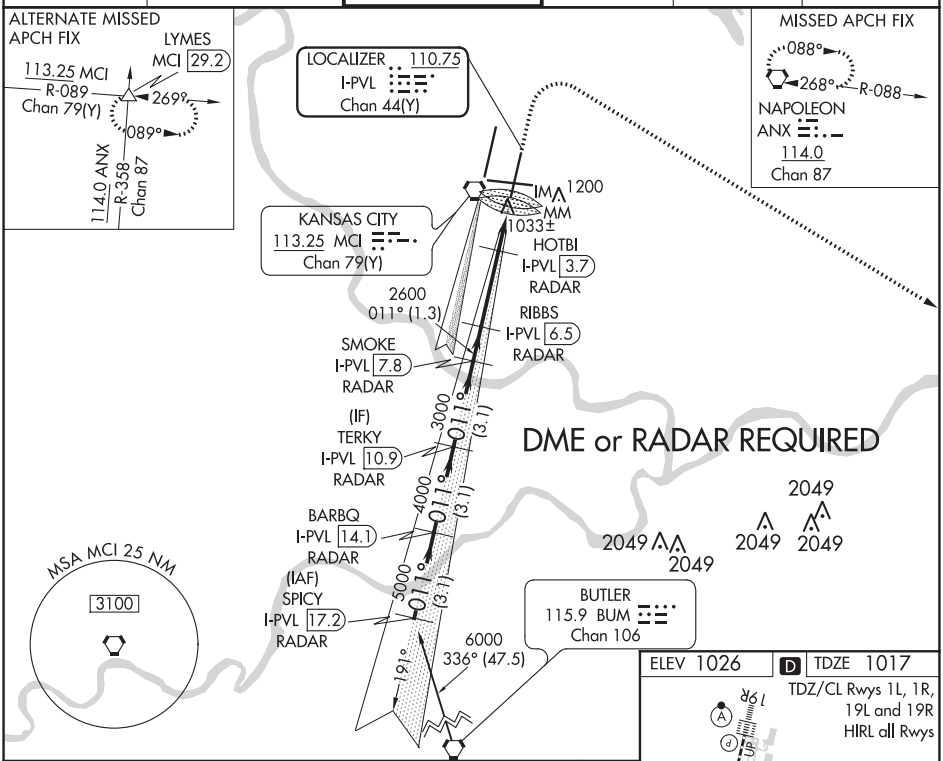
LOC/DME I-PVL	APP CRS	Rwy ldg	9500
110.75	011°	TDZE	1017
Chan 44(Y)		Apt Elev	1026

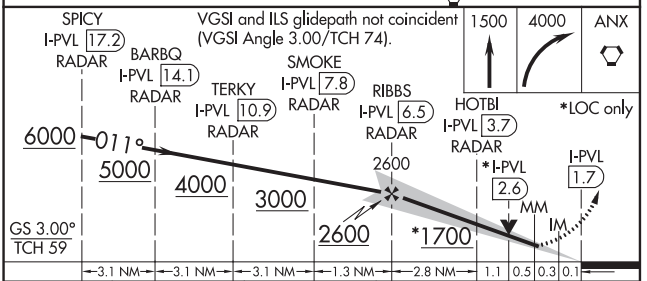
Simultaneous approach authorized with Rwy 1L. DME or RADAR required. For inop ALSF, increase S-LOC 1R Cat C/D visibility to RVR 5000.

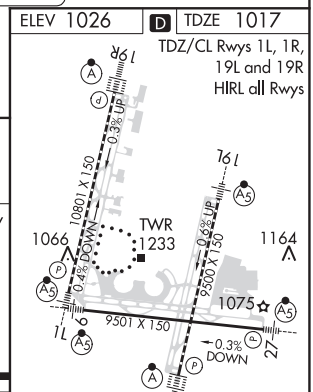
ALSF-2

MISSED APPROACH: Climb to 1500 then climbing right turn to 4000 direct ANX VORTAC and hold.

D-ATIS	KANSAS CITY APP CON	INTERNATIONAL TOWER	GND CON	CLNC DEL	CPDLC
128.375	120.95 318.1	128.2 254.25	121.8	135.7	







CATEGORY	A	B	C	D
S-ILS 1R	1217/18 200 (200-½)			
S-LOC 1R	1360/24 343 (400-½)		1360/30 343 (400-⅝)	
CIRCLING	1540-1 514 (600-1)		1540-1½ 514 (600-1½)	1580-2 554 (600-2)

FAF to MAP 4.8 NM

Knots	60	90	120	150	180
Min:Sec	4:48	3:12	2:24	1:55	1:36

KANSAS CITY, MISSOURI
Amdt 4A 21AUG14

39°18'N-94°43'W

KANSAS CITY INTL (MCI)
ILS or LOC RWY 1R

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

LOC/DME I-RNI	APP CRS	Rwy ldg	9501
109.7	094°	TDZE	1015
Chan 34		Apt Elev	1026

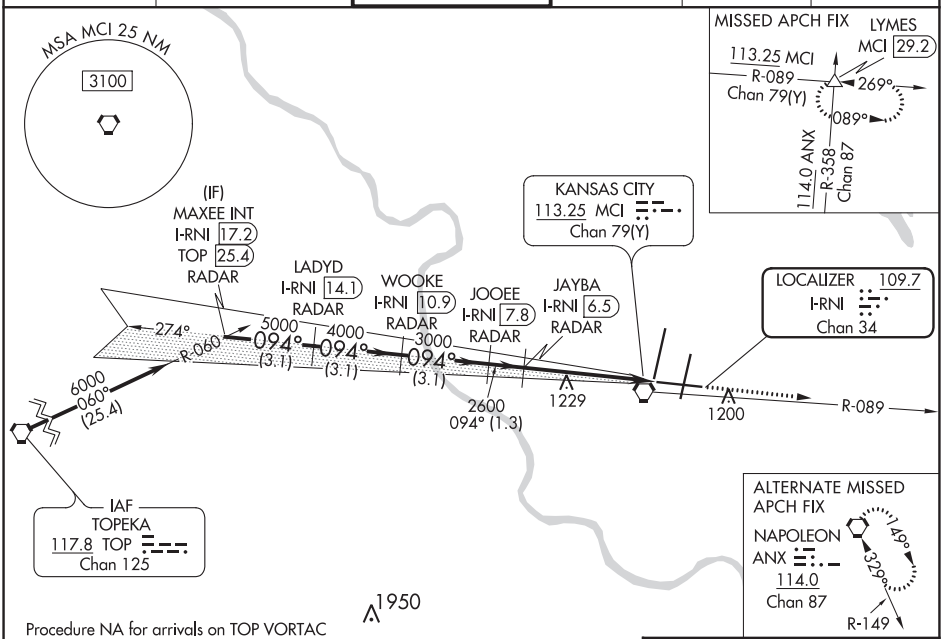
ILS or LOC RWY 9
KANSAS CITY INTL (MCI)

Inop table does not apply to S-ILS 9. DME or RADAR required. For inop MALSR, increase S-LOC 9 Cat A/B visibility to RVR 5000 and Cat C/D visibility to 1⅛ mile.

MALSR A5

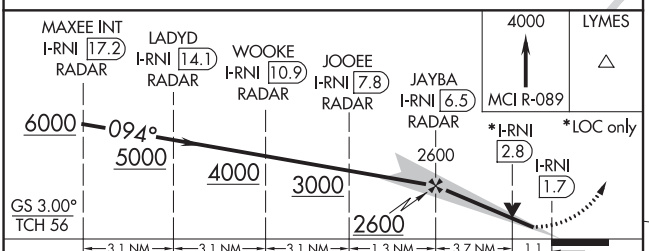
MISSED APPROACH: Climb to 4000 on MCI R-089 to LYMES INT/MCI 29.2 DME and hold.

D-ATIS	KANSAS CITY APP CON	INTERNATIONAL TOWER	GND CON	CLNC DEL	CPDLC
128.375	120.95 318.1	128.2 254.25	121.8	135.7	



Procedure NA for arrivals on TOP VORTAC airway radials 025 CW 107.

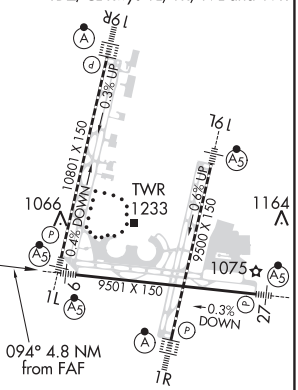
DME or RADAR REQUIRED



CATEGORY	A	B	C	D
S-ILS 9	1265/40 250 (300-¾)			
S-LOC 9	1420/40 405 (400-¾)			
CIRCLING	1540-1 514 (600-1)		1540-1½ 514 (600-1½)	1580-2 554 (600-2)

ELEV 1026 D TDZE 1015

HIRL all Rwys
TDZ/CL Rwys 1L, 1R, 19L and 19R



FAF to MAP 4.8 NM					
Knots	60	90	120	150	180
Min:Sec	4:48	3:12	2:24	1:55	1:36

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

LOC/DME I-DYH	APP CRS	Rwy ldg 9500
109.55	191°	TDZE 995
Chan 32 (Y)		Apt Elev 1027

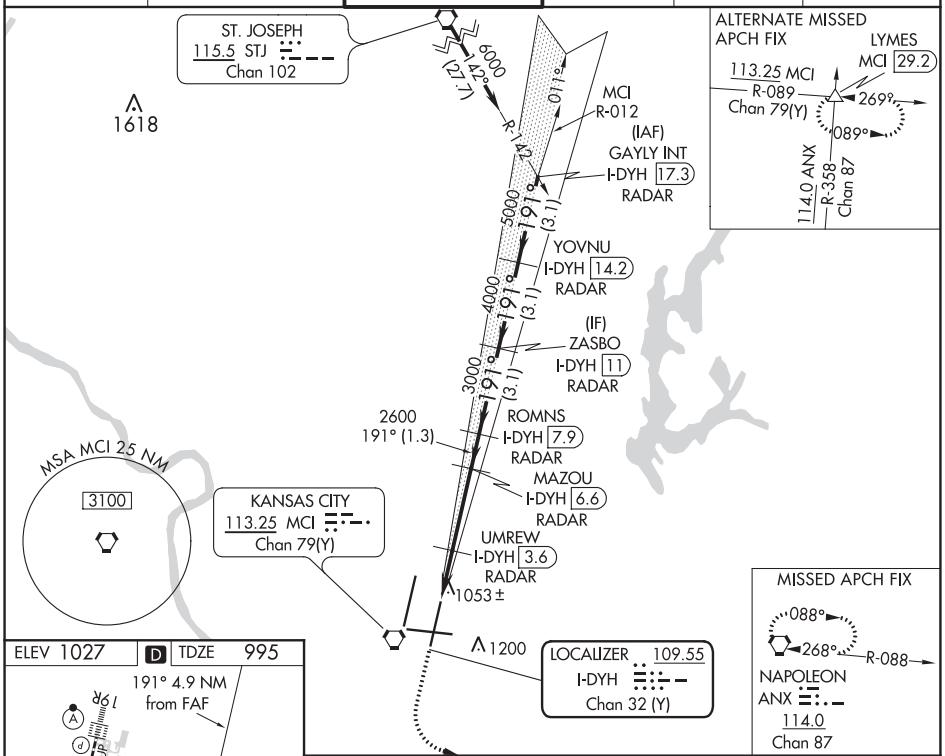
ILS or LOC RWY 19L
KANSAS CITY INTL (MCI)

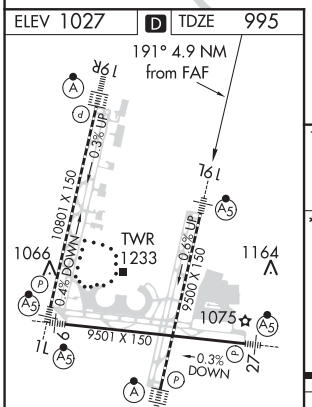
Simultaneous approach authorized.
DME or RADAR required.

MALSR

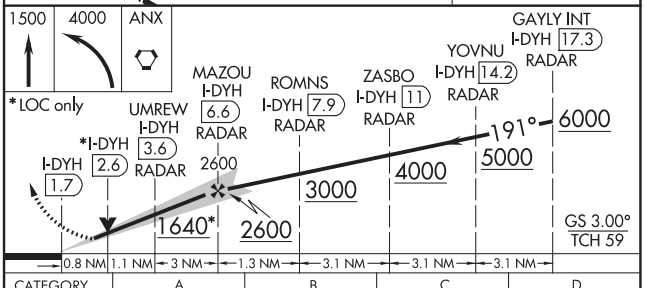
MISSED APPROACH: Climb to 1500 then climbing left turn to 4000 direct ANX VORTAC and hold.

D-ATIS	KANSAS CITY APP CON	INTERNATIONAL TOWER	GND CON	CLNC DEL	CPDLC
128.375	120.95 318.1	128.2 254.25	121.8	135.7	





FAF to MAP 4.9 NM					
Knots	60	90	120	150	180
Min:Sec	4:55	3:16	2:27	1:58	1:38



CATEGORY	A	B	C	D
S-ILS 19L	1195/18 200 (200-½)			
S-LOC 19L	1300/24 305 (300-½)		1300/26 305 (300-½)	
CIRCLING	1540-1 513 (600-1)		1540-1½ 513 (600-1½)	1580-2 553 (600-2)

NC-3, 25 FEB 2021 to 22 APR 2021

ILS or LOC RWY 19R
KANSAS CITY INTL (MCI)

LOC/DME I-PAJ	APP CRS	Rwy ldg 10801
109.1	191°	TDZE 991
Chan 28		Apt Elev 1027

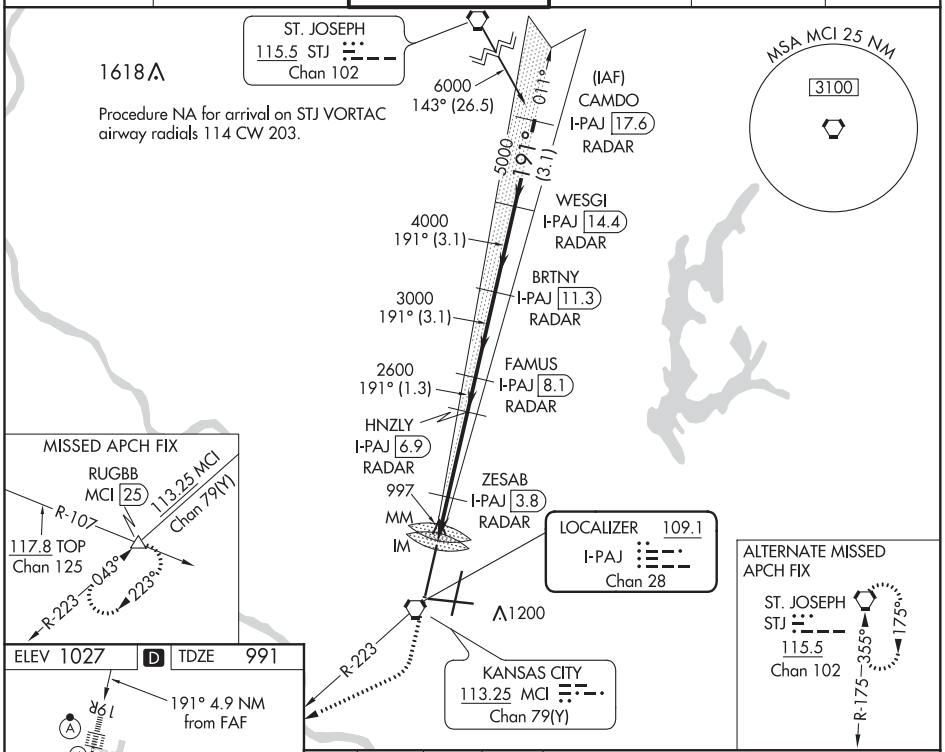
DME or RADAR required.

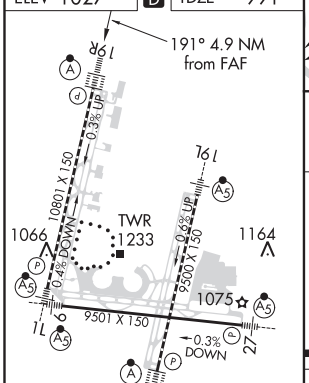
Simultaneous approach authorized. For inop ALS, increase S-ILS 19R Cat E visibility to RVR 4000 and S-LOC 19R Cat C/D/E to RVR 4500.

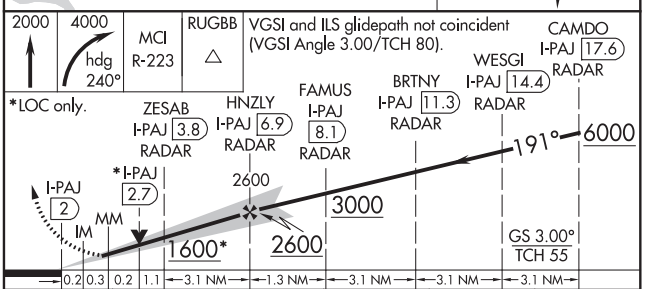
ALSF-2

MISSED APPROACH: Climb to 2000 then climbing right turn to 4000 on heading 240° and on MCI VORTAC R-223 to RUGBB INT/MCI 25 DME and hold.

D-ATIS	KANSAS CITY APP CON	INTERNATIONAL TOWER	GND CON	CLNC DEL	CPDLC
128.375	120.95 318.1	128.2 254.25	121.8	135.7	







FAF to MAP 4.9 NM					
Knots	60	90	120	150	180
Min:Sec	4:54	3:16	2:27	1:58	1:38

CATEGORY	A	B	C	D	E
S-ILS 19R	1191/18 200 (200-½)				
S-LOC 19R	1280/24 289 (300-½)		1280/40 289 (300-¾)		
C CIRCLING	1540-1 513 (600-1)		1540-1½ 513 (600-1½)	1580-2 553 (600-2)	

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

LOC/DME I-UQY	APP CRS	Rwy ldg	9501
109.7	274°	TDZE	1027
Chan 34		Apt Elev	1027

ILS or LOC RWY 27
KANSAS CITY INTL (MCI)

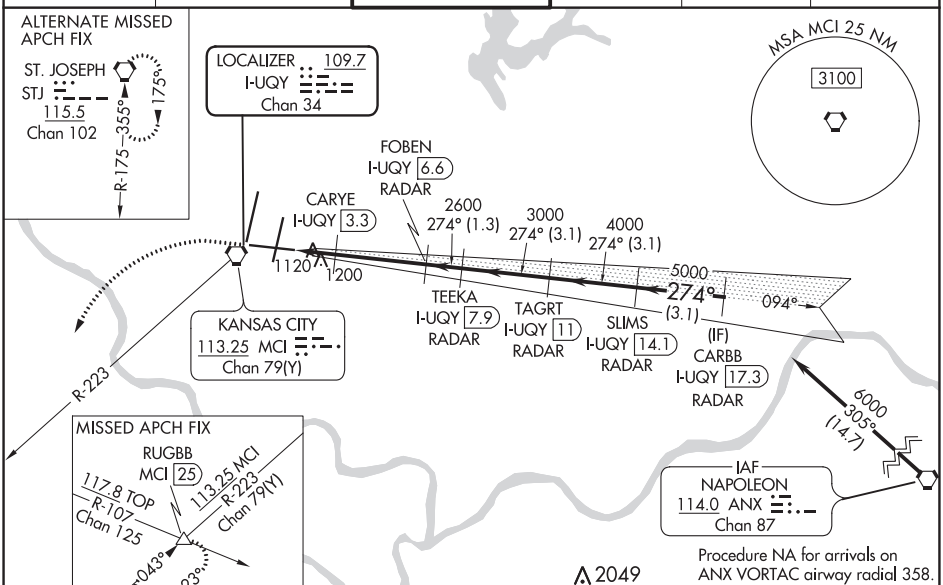
DME or RADAR required.

For inop ALS, increase S-ILS 27 Cat E visibility to RVR 4000, S-LOC 27 Cat C/D/E visibility to 1⅜ SM and CARYE fix minimums S-LOC 27 Cat C/D/E visibility to RVR 5500.
RVR 1800 authorized with use of FD or AP or HUD to DA.

MALSR

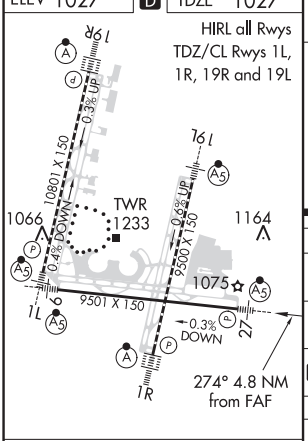
MISSED APPROACH: Climb to 1600 then climbing left turn to 4000 on heading 230° and MCI VORTAC R-223 to RUGBB INT/MCI 25 DME and hold.

D-ATIS	KANSAS CITY APP CON	INTERNATIONAL TOWER	GND CON	CLNC DEL	CPDLC
128.375	120.95 318.1	128.2 254.25	121.8	135.7	

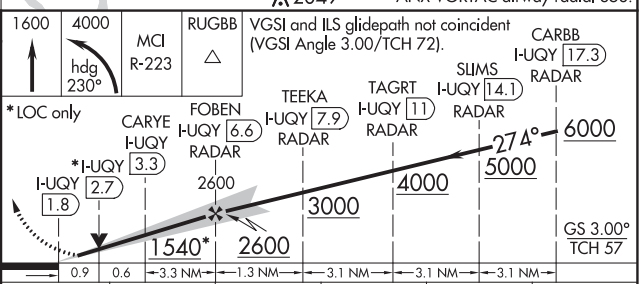


ELEV 1027 | D | TDZE 1027

HIRL all Rwys
TDZ/CL Rwys 1L, 1R, 19R and 19L



FAF to MAP 4.8 NM					
Knots	60	90	120	150	180
Min:Sec	4:48	3:12	2:24	1:55	1:36



CATEGORY	A	B	C	D	E
S-ILS 27#	1227/24 200 (200-½)				
S-LOC 27	1540/24 513 (600-½)		1540/55 513 (600-1)		
C CIRCLING	1540-1 513 (600-1)		1540-1½ 513 (600-1½)	1580-2 553 (600-2)	
	CARYE FIX MINIMUMS				
S-LOC 27	1380/24 353 (400-½)		1380/30 353 (400-⅝)		
C CIRCLING	1540-1 513 (600-1)		1540-1½ 513 (600-1½)	1580-2 553 (600-2)	

NC-3, 25 FEB 2021 to 22 APR 2021

LOC/DME I-PVL	APP CRS	Rwy ldg	9500
110.75	011°	TDZE	1017
Chan 44 (Y)		Apt Elev	1026

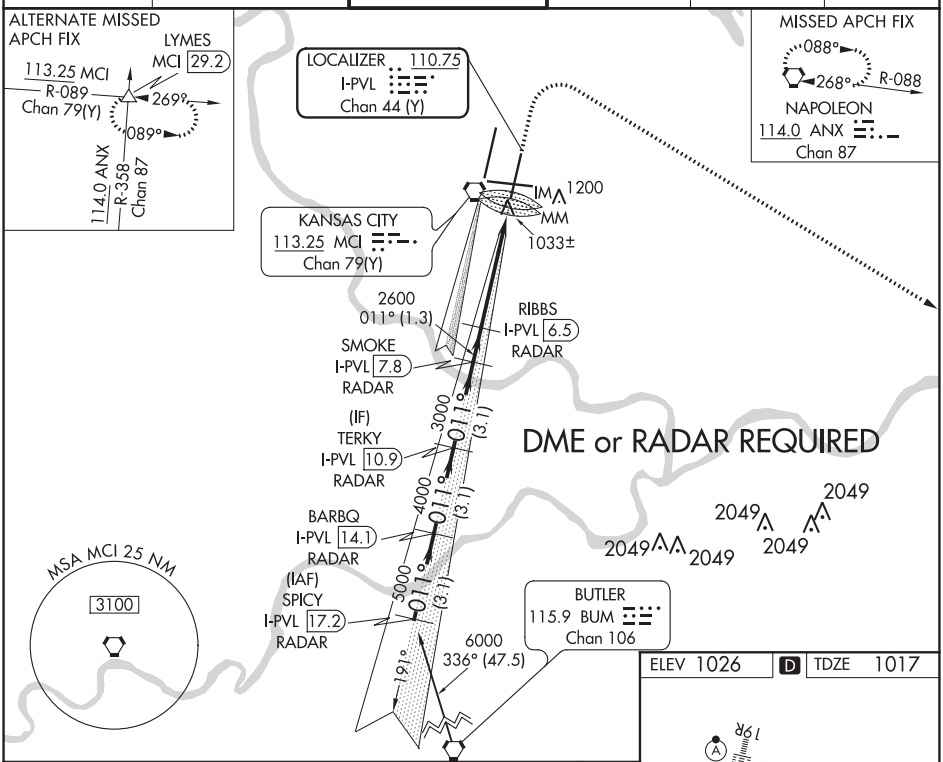
ILS RWY 1R (SA CAT I)
KANSAS CITY INTL (MCI)

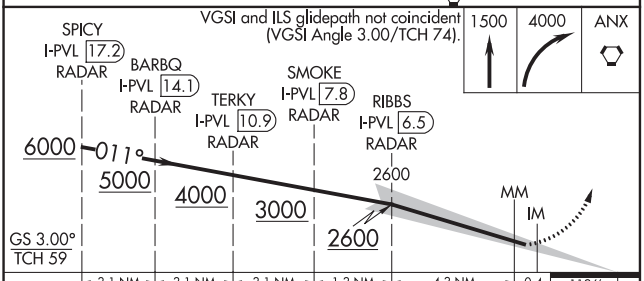
Simultaneous approach authorized with Rwy 1L. DME or RADAR required. Requires specific OPSPEC, MSPEC, or LOA approval and use of HUD to DH.

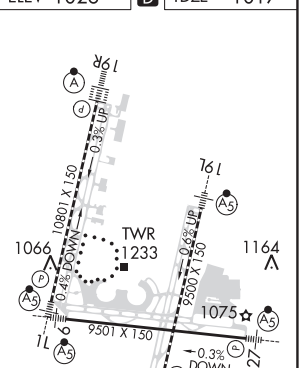
ALSF-2

MISSED APPROACH: Climb to 1500 then climbing right turn to 4000 direct ANX VORTAC and hold.

D-ATIS	KANSAS CITY APP CON	INTERNATIONAL TOWER	GND CON	CLNC DEL	CPDLC
128.375	120.95 318.1	128.2 254.25	121.8	135.7	







HIRL all Rwys
TDZ/CL Rwys 1L, 1R, 19L and 19R

CATEGORY	A	B	C	D
S-ILS 1R	RA 161/14 150 DA 1167			

SA CATEGORY I ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

LOC/DME I-PAJ 109.1 Chan 28	APP CRS 191°	Rwy ldg 10801 TDZE 991 Apt Elev 1027

ILS RWY 19R (SA CAT I)

KANSAS CITY INTL (MCI)

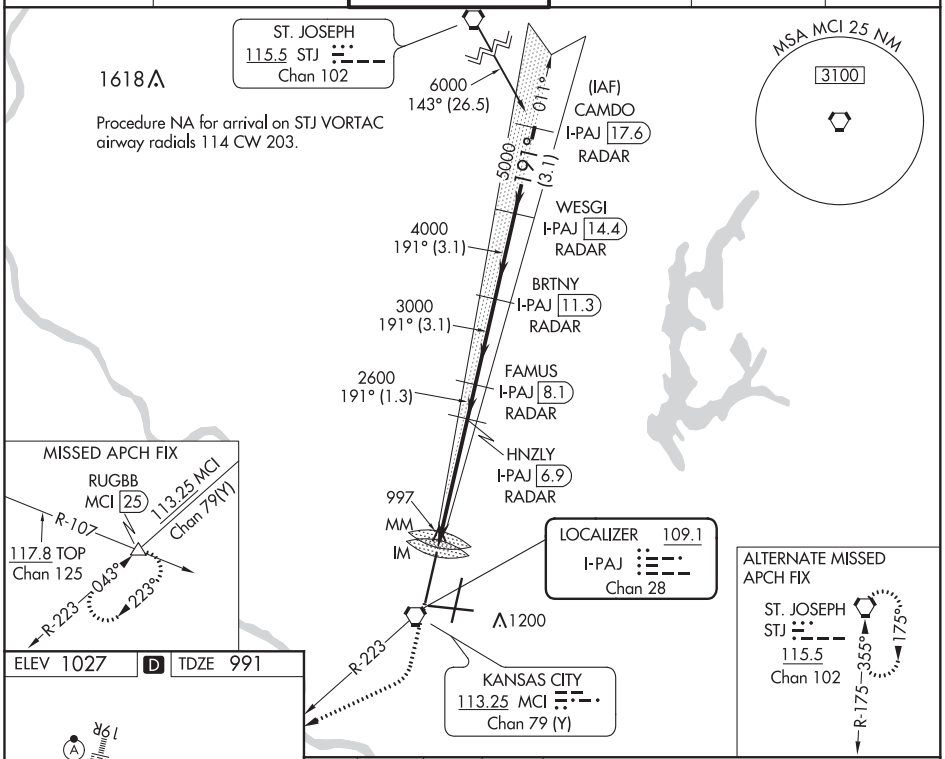
DME or RADAR required.

Simultaneous approach authorized. Requires specific OPSPEC, MSPEC, or LOA approval and use of HUD to DH.

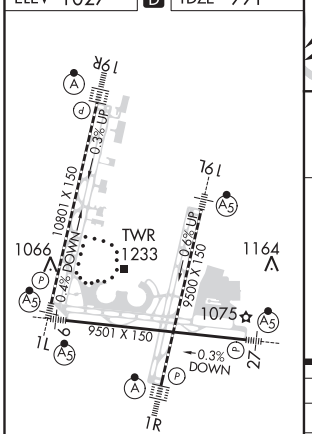
ALSF-2

MISSED APPROACH: Climb to 2000 then climbing right turn to 4000 on heading 240° and on MCI VORTAC R-223 to RUGBB INT/MCI 25 DME and hold.

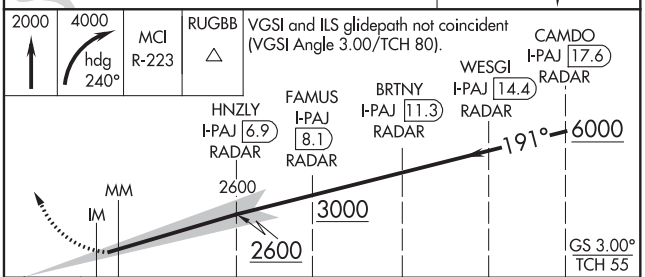
D-ATIS	KANSAS CITY APP CON	INTERNATIONAL TOWER	GND CON	CLNC DEL	CPDLC
128.375	120.95 318.1	128.2 254.25	121.8	135.7	



ELEV 1027 | D | TDZE 991



HIRL all Rwys
TDZ/CL Rwys 1L, 1R, 19L and 19R



CATEGORY	A	B	C	D
S-ILS 19R	RA 135/14 150 DA 1141			

SA CATEGORY I ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

NC-3, 25 FEB 2021 to 22 APR 2021

LOC/DME I-PVL	APP CRS	Rwy ldg	9500
110.75	011°	TDZE	1017
Chan 44 (Y)		Apt Elev	1026

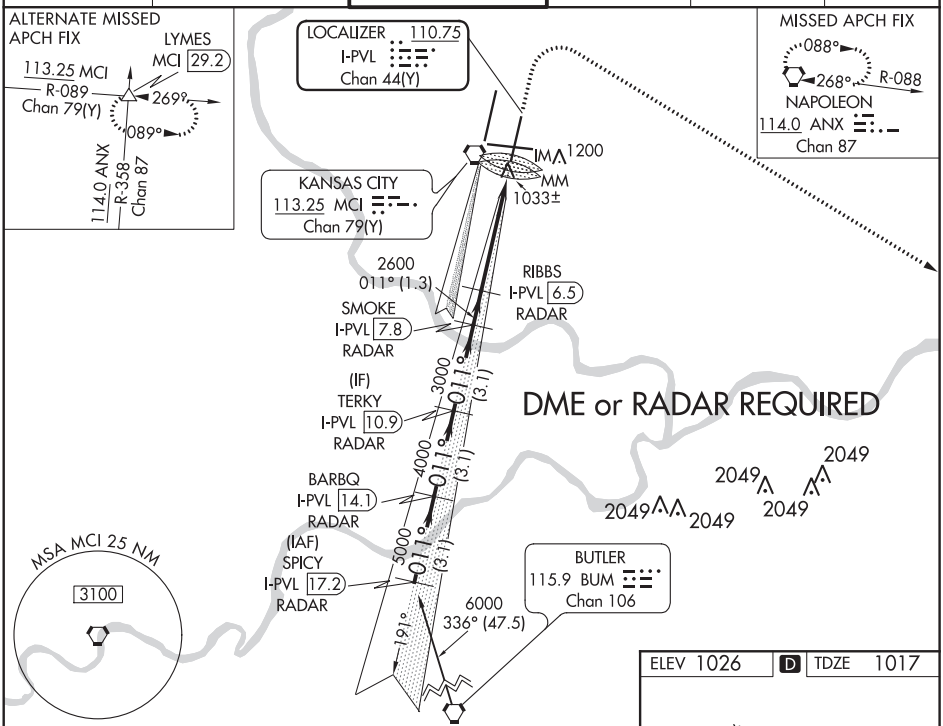
ILS RWY 1R (CAT II & III)
KANSAS CITY INTL (MCI)

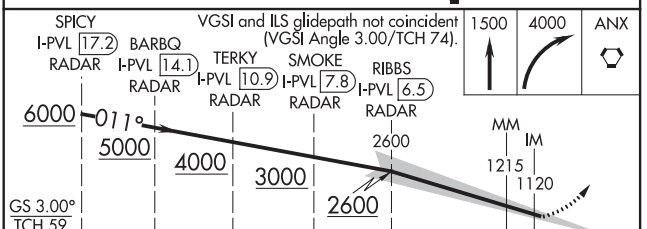
Simultaneous approach authorized with Rwy 1L. DME or RADAR required. CAT II: RVR 1000 authorized with specific OPSPEC, MSPEC, or LOA approval and use of Autoland or HUD to touchdown.

ALSF-2

MISSED APPROACH: Climb to 1500 then climbing right turn to 4000 direct ANX VORTAC and hold.

D-ATIS	KANSAS CITY APP CON	INTERNATIONAL TOWER	GND CON	CLNC DEL	CPDLC
128.375	120.95 318.1	128.2 254.25	121.8	135.7	

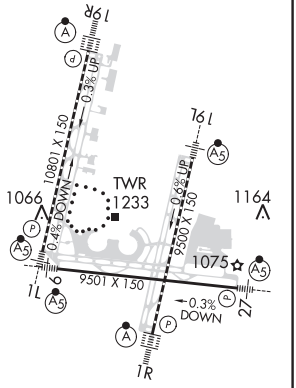




CATEGORY	A	B	C	D
S-ILS 1R	CAT II RA 111/12 100 DA 1117			
S-ILS 1R	CAT IIIa RVR 07			
S-ILS 1R	CAT IIIb RVR 06			
S-ILS 1R	CAT IIIc NA			

CATEGORY II & III ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

ELEV 1026 D TDZE 1017



HIRL all Rwys
TDZ/CL Rwys 1L, 1R, 19L and 19R

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

LOC/DME I-PAJ 109.1 Chan 28	APP CRS 191°	Rwy ldg 10801 TDZE 991 Apt Elev 1027

ILS RWY 19R (CAT II & III)

KANSAS CITY INTL (MCI)

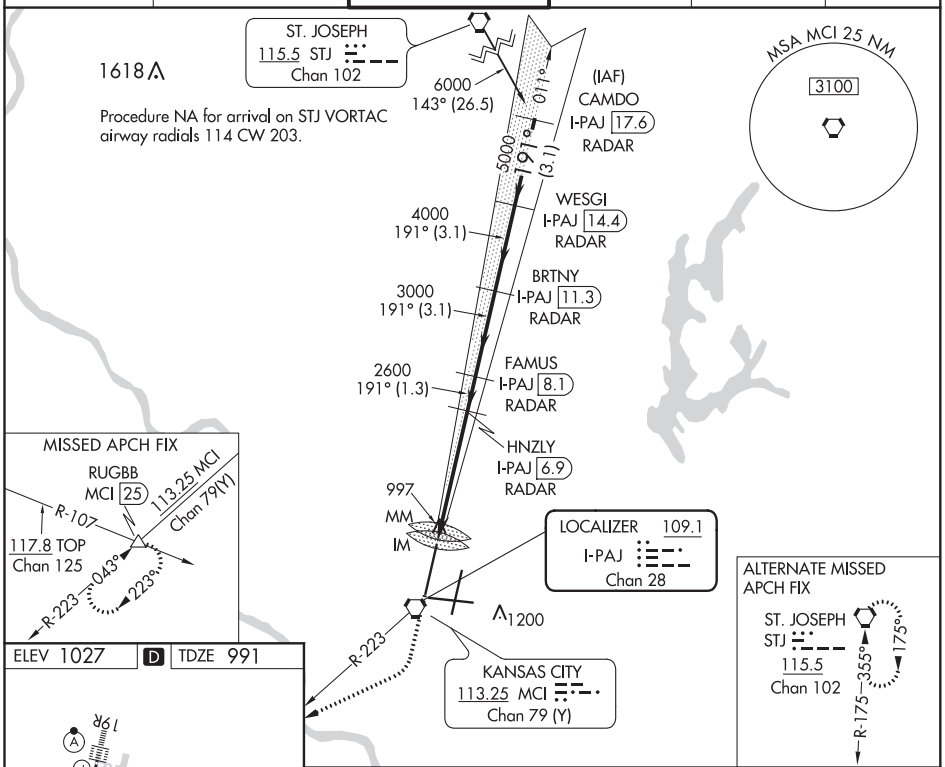
DME or RADAR required.

Simultaneous approach authorized. CAT II: RVR 1000 authorized with specific OPSPEC, MSPEC, or LOA approval and use of autoland or HUD to touchdown.

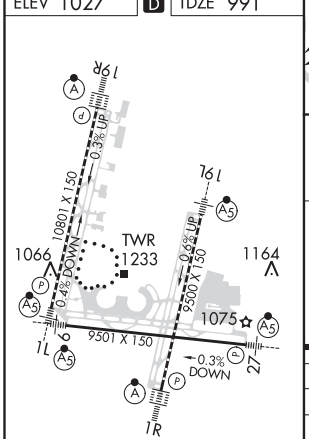
ALSF-2

MISSED APPROACH: Climb to 2000 then climbing right turn to 4000 on heading 240° and on MCI VORTAC R-223 to RUGBB INT/MCI 25 DME and hold.

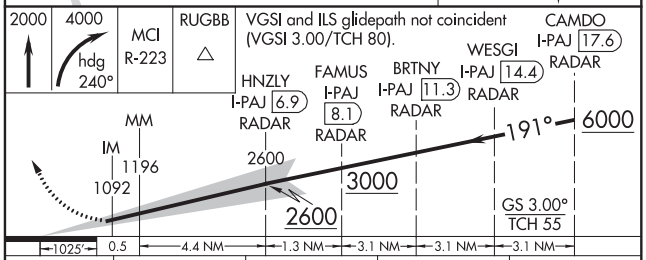
D-ATIS	KANSAS CITY APP CON	INTERNATIONAL TOWER	GND CON	CLNC DEL	CPDLC
128.375	120.95 318.1	128.2 254.25	121.8	135.7	



ELEV 1027	D	TDZE 991



HIRL all Rwys
TDZ/CL Rwys 1L, 1R, 19L and 19R



CATEGORY	A	B	C	D
S-ILS 19R	CAT II RA 105/12 100 DA 1091			
S-ILS 19R	CAT III RVR 07			

CATEGORY II & III ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

APP CRS	Rwy ldg	10801
011°	TDZE	1014
	Apt Elev	1027

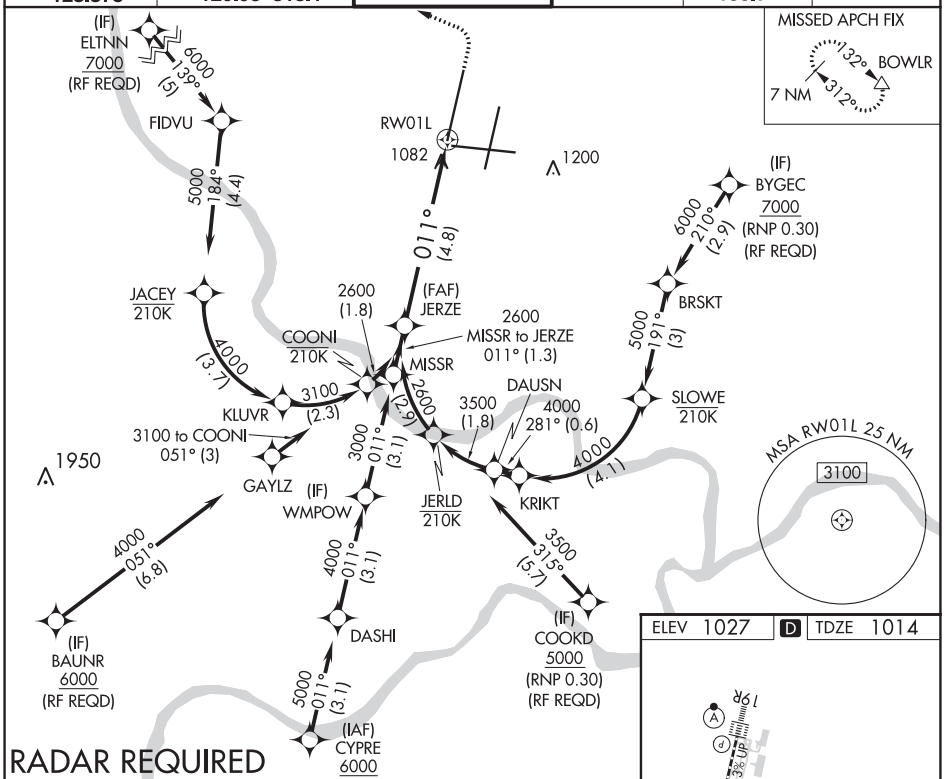
RNAV (RNP) Z RWY 1L
KANSAS CITY INTL (MCI)

For uncompensated Baro-VNAV systems, procedure NA below -18°C (0°F) or above 54°C (130°F). Use of FD or AP providing RNAV track guidance required during simultaneous operations. GPS required. For inop ALS, increase RNP 0.15 all Cats visibility to RVR 4500, and RNP 0.30 all Cats visibility to 1⅛ SM. Simultaneous approach authorized with Rwy 1R, except for arrivals at BYGEC, COOKD, BAUNR and ELTNN.

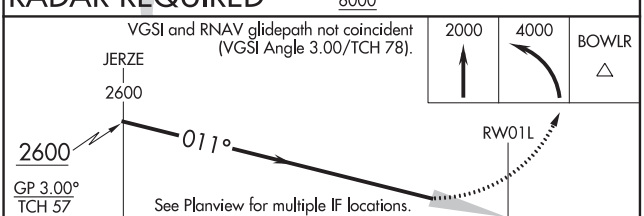
MALSR

MISSED APPROACH: Climb to 2000 then climbing left turn to 4000 direct BOWLR and hold.

D-ATIS	KANSAS CITY APP CON	INTERNATIONAL TOWER	GND CON	CLNC DEL	CPDLC
128.375	120.95 318.1	128.2 254.25	121.8	135.7	

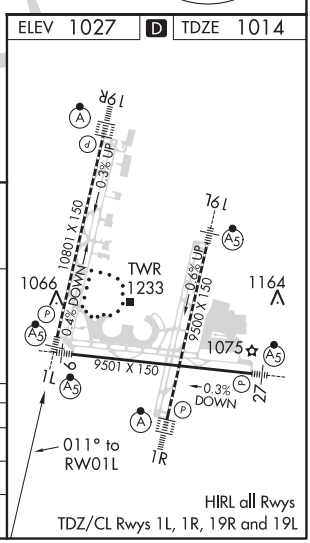


RADAR REQUIRED



CATEGORY	A	B	C	D
RNP 0.15 DA	1302/24 288 (300-½)			
RNP 0.30 DA	1362/32 348 (400-⅝)			

AUTHORIZATION REQUIRED



NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

KANSAS CITY, MISSOURI | AL-780 (FAA) | 20254

RNAV (RNP) Z RWY 1R
KANSAS CITY INTL (MCI)

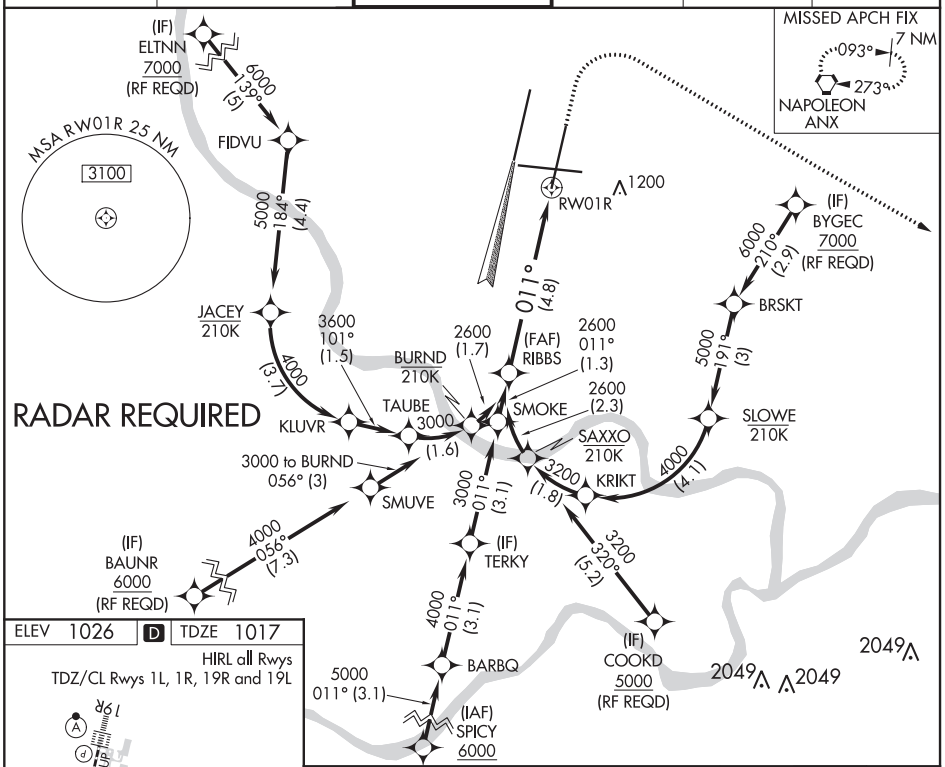
APP CRS	Rwy ldg	9500
011°	TDZE	1017
	Apt Elev	1026

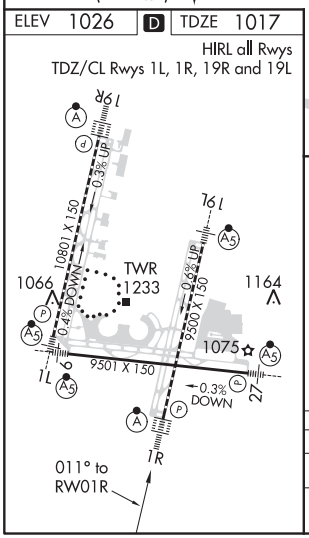
For uncompensated Baro-VNAV systems, procedure NA below -20°C (-4°F) or above 54°C (130°F). For inop ALSF, increase RNP 0.30 visibility to RVR 5000. GPS required. Simultaneous approach authorized with Rwy 1L, except for arrivals at BYGEC, COOKD, BAUNR, and ELTNN. Use of FD or AP providing RNAV track guidance required during simultaneous operations.

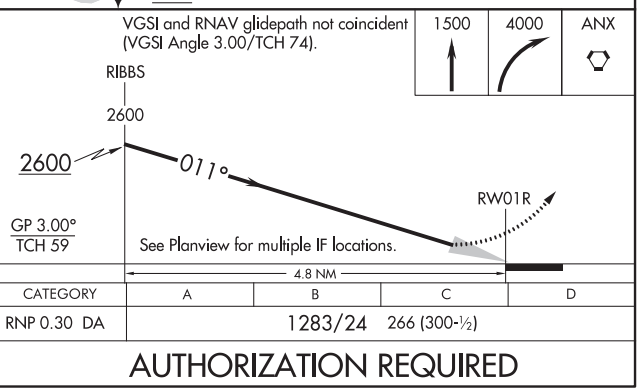
ALSF-2

MISSED APPROACH: Climb to 1500 then climbing right turn to 4000 direct ANX VORTAC and hold.

D-ATIS	KANSAS CITY APP CON	INTERNATIONAL TOWER	GND CON	CLNC DEL	CPDLC
128.375	120.95 318.1	128.2 254.25	121.8	135.7	







CATEGORY	A	B	C	D
RNP 0.30 DA	1283/24		266 (300-½)	

AUTHORIZATION REQUIRED

KANSAS CITY, MISSOURI
Amdt 1B 21AUG14

39°18'N-94°43'W

KANSAS CITY INTL (MCI)
RNAV (RNP) Z RWY 1R

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

APP CRS	Rwy ldg	9501
094°	TDZE	1015
	Apt Elev	1026

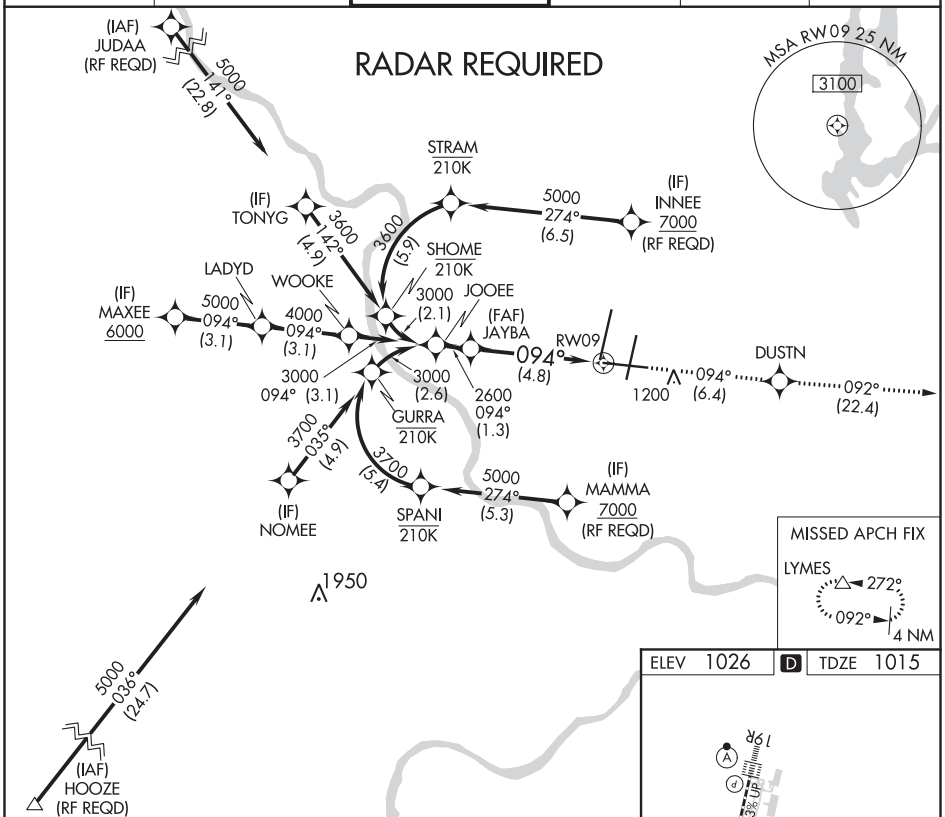
RNAV (RNP) Z RWY 9
KANSAS CITY INTL (MCI)

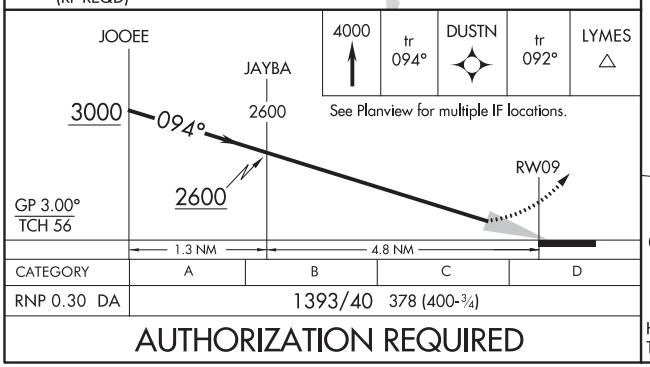
For uncompensated Baro-VNAV systems, procedure NA below -20°C (-4°F) or above 54°C (130°F). For inop MALSR, increase RNP 0.30 visibility to RVR 6000. GPS required.

MALSR

MISSED APPROACH: Climb to 4000 on track 094° to DUSTN and on track 092° to LYMES and hold.

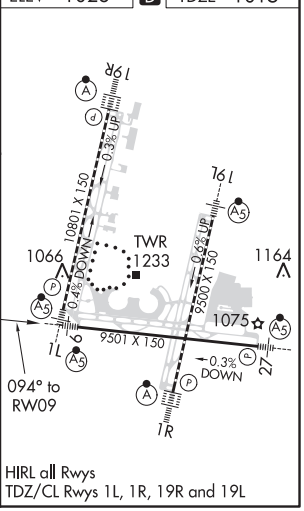
D-ATIS	KANSAS CITY APP CON	INTERNATIONAL TOWER	GND CON	CLNC DEL	CPDLC
128.375	120.95 318.1	128.2 254.25	121.8	135.7	





CATEGORY	A	B	C	D
RNP 0.30 DA	1393/40 378 (400-¾)			

AUTHORIZATION REQUIRED



NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

APP CRS	Rwy ldg	9500
191°	TDZE	994
	Apt Elev	1026

RNAV (RNP) Z RWY 19L

KANSAS CITY INTL (MCI)

For uncompensated Baro-VNAV systems, procedure NA below -20°C (-4°F) or above 54°C (130°F). For inop MALSR, increase RNP 0.20 all Cats visibility to RVR 5000 and RNP 0.30 all Cats visibility to RVR 6000. GPS required. Simultaneous approach authorized with Rwy 19R, except for arrivals at NOAHS, FARMS, BUKKS, and SLABB. Use of FD or AP providing RNAV track guidance required during simultaneous operations.

MALSR

MISSED APPROACH: Climb to 1500 then climbing left turn to 4000 direct ANX VORTAC and hold.

D-ATIS	KANSAS CITY APP CON	INTERNATIONAL TOWER	GND CON	CLNC DEL	CPDLC
128.375	120.95 318.1	128.2 254.25	121.8	135.7	

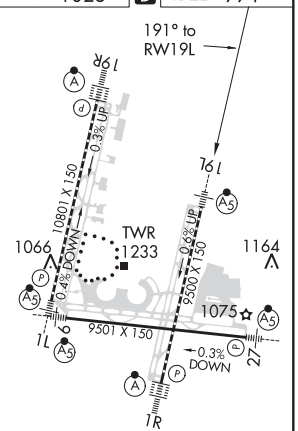
RADAR REQUIRED

(IAF) GAYLY 6000
5000 191° (3.1)
YOVNU
4000 191° (3.1)
(IF) ZASBO
3000 191° (3.1)
BUDIE 210K
ROMNS 2300 191° (2.2)
JEFRI 210K
(IF) FARMS (RF REQD) 6000
3200 to JEFRI 122° (9)
3200 (5)
MICLE
3000 122° (1.5)
SYDNE
2300 (2.5)
2300 (2.5)
3100 (1.5)
DETEE
3500 (4)
HOWIL
SCIPR
3100 to BUDIE 247° (5)
4000 247° (5.5)
(IF) BUKKS (RF REQD) 6000
MSA RW19L 25 NM
3100
(IF) BUZZR 210K
5000 011° (5)
6000 009° (3)
ONEEL
7000 020° (5.9)
(IAF) NOAHS (RF REQD)
1950
999±
1019±
191° (4)
(FAF) JAZZE
RW19L
1200
5000 011° (4)
(IF) BYKER 210K
6000 005° (4)
COWNS
7000 005° (3)
(IAF) SLABB (RF REQD)
Procedure NA for arrivals at NOAHS on V502 southwest bound.

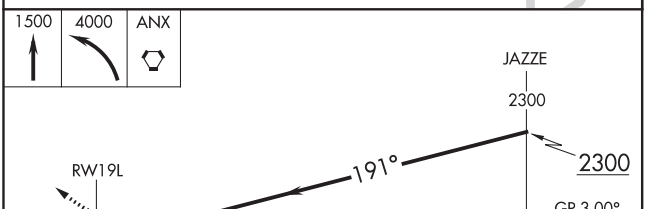
MISSED APCH FIX 4 NM
093°
273°
NAPOLEON ANX

ELEV 1026 | D | TDZE 994

191° to RW19L



HIRL all Rwys
TDZ/CL Rwys 1L, 1R, 19R and 19L



CATEGORY	A	B	C	D
RNP 0.20 DA	1306/26	312 (300-½)		
RNP 0.30 DA	1361/35	367 (400-⅝)		

AUTHORIZATION REQUIRED

NC-3, 25 FEB 2021 to 22 APR 2021

APP CRS	Rwy ldg	10801
191°	TDZE	989
	Apt Elev	1026

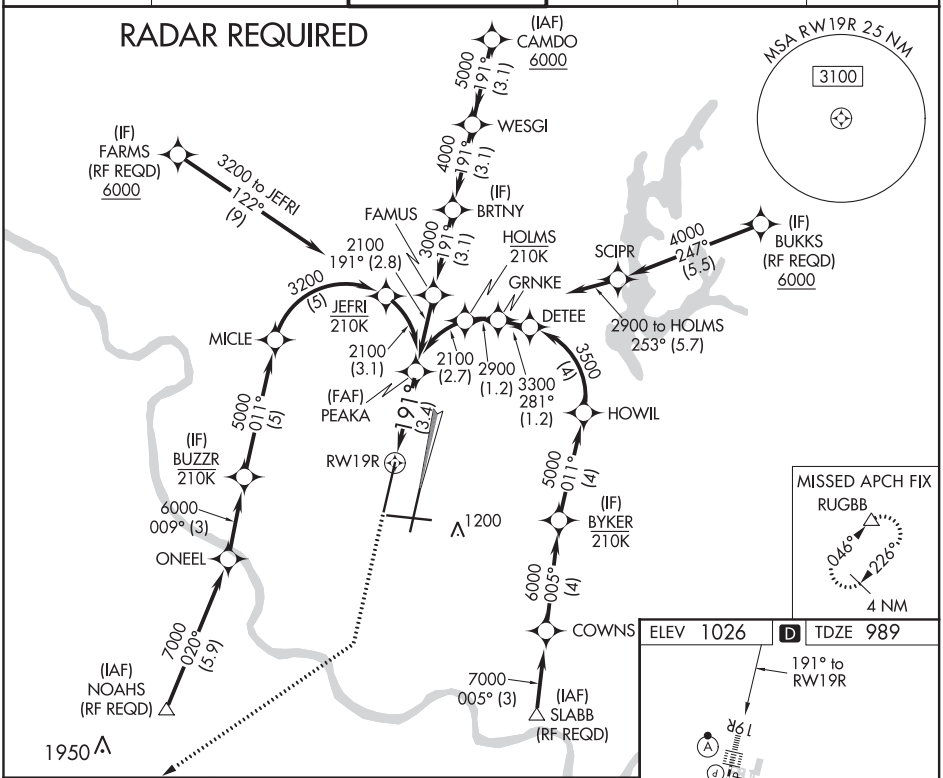
RNAV (RNP) Z RWY 19R
KANSAS CITY INTL (MCI)

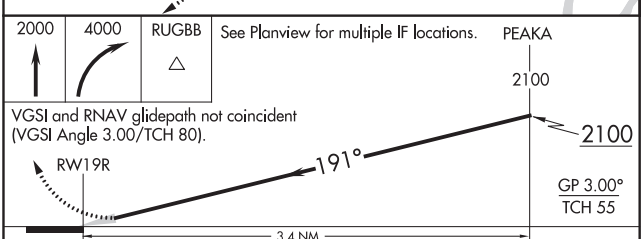
T For uncompensated Baro-VNAV systems, procedure NA below -20°C (-4°F) or above 54°C (130°F). For inop. ALSF, increase RNP 0.15 all Cats visibility to RVR 5000 and RNP 0.30 all Cats visibility to 1⅜ . GPS required. Simultaneous approach authorized with Rwy 19L, except for arrivals at NOAHS, FARMS, BUKKS, and SLABB. Use of FD or AP providing RNAV track guidance required during simultaneous operations.

ALSF-2

MISSED APPROACH: Climb to 2000 then climbing right turn to 4000 direct RUGBB and hold.

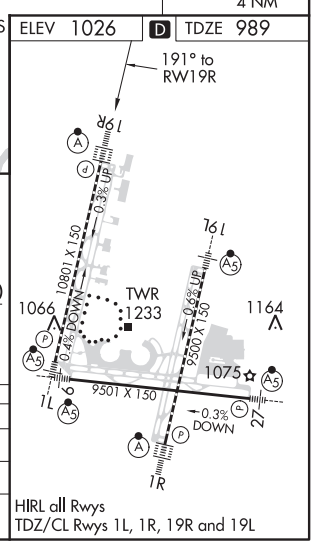
D-ATIS	KANSAS CITY APP CON	INTERNATIONAL TOWER	GND CON	CLNC DEL	CPDLC
128.375	120.95 318.1	128.2 254.25	121.8	135.7	





CATEGORY	A	B	C	D
RNP 0.15 DA	1321/30 332 (300-⅝)			
RNP 0.30 DA	1415/50 426 (400-1)			

AUTHORIZATION REQUIRED



NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

KANSAS CITY, MISSOURI | AL-780 (FAA) | 20254

RNAV (RNP) Z RWY 27
KANSAS CITY INTL (MCI)

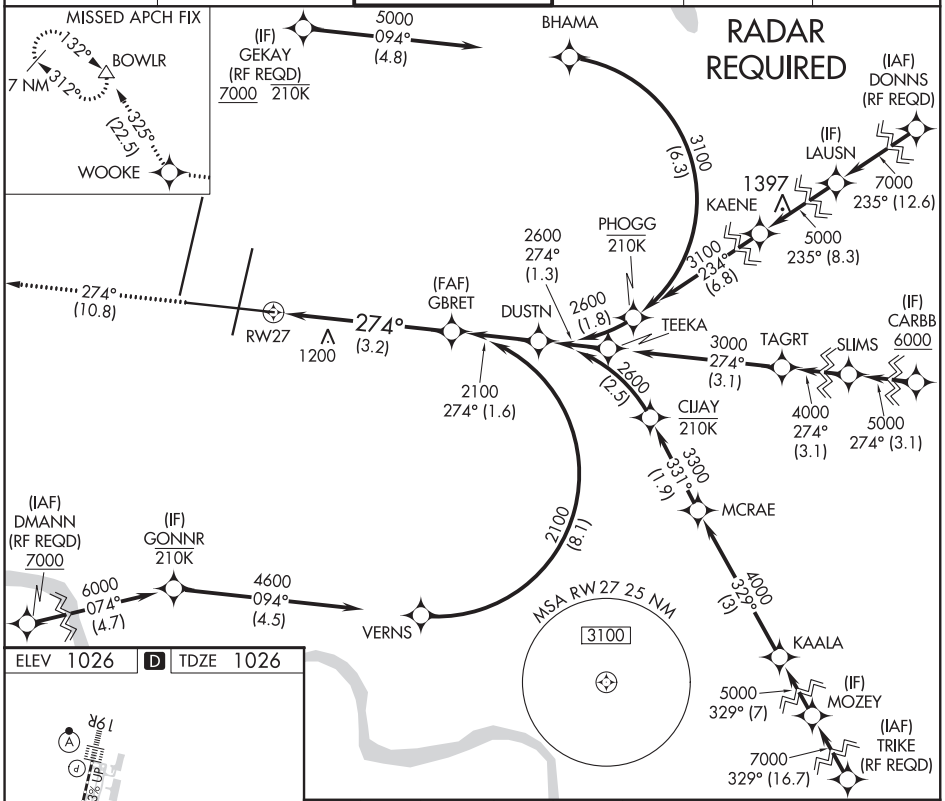
APP CRS	Rwy ldg	9501
274°	TDZE	1026
	Apt Elev	1026

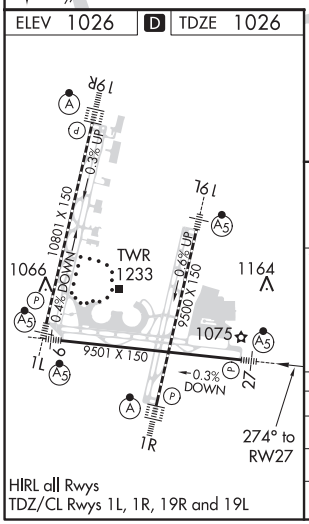
For uncompensated Baro-VNAV systems, procedure NA below -20°C (-4°F) or above 54°C (130°F). For inop MALSR, increase RNP 0.15 all Cats visibility to 1¼ and RNP 0.30 all Cats visibility to 1⅝ . GPS required.

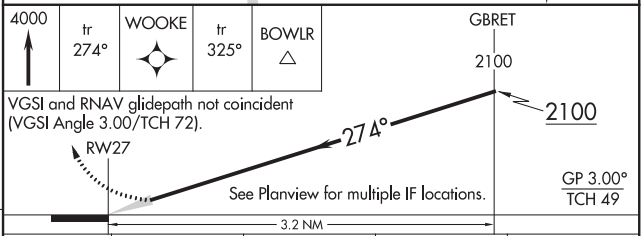
MALSR

MISSED APPROACH: Climb to 4000 on track 274° to WOOKE and on track 325° to BOWLR and hold.

D-ATIS	KANSAS CITY APP CON	INTERNATIONAL TOWER	GND CON	CLNC DEL	CPDLC
128.375	120.95 318.1	128.2 254.25	121.8	135.7	







CATEGORY	A	B	C	D
RNP 0.15 DA	1410/45 384 (400-⅞)			
RNP 0.30 DA	1511/60 485 (500-1¼)			

AUTHORIZATION REQUIRED

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

KANSAS CITY, MISSOURI | KANSAS CITY INTL (MCI)

Amdt 1A 21AUG14 | 39°18'N-94°43'W | RNAV (RNP) Z RWY 27

WAAS CH 42808 W01B	APP CRS 011°	Rwy ldg 10801 TDZE 1014 Apt Elev 1027

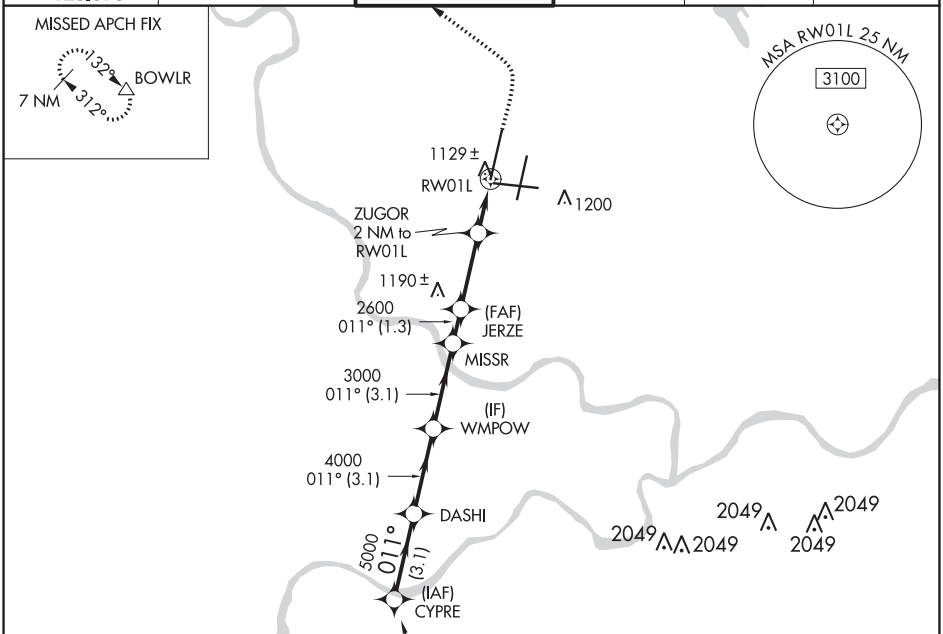
RNAV (GPS) Y RWY 1L
KANSAS CITY INTL (MCI)

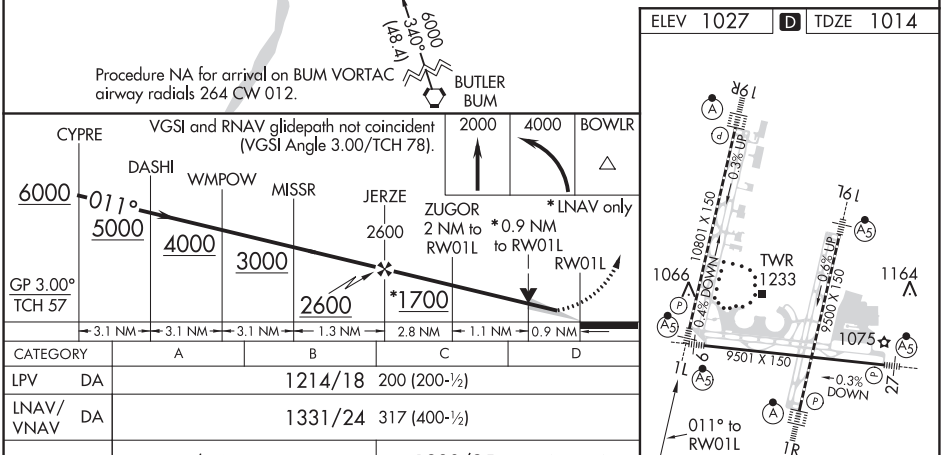
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -18°C (0°F) or above 54°C (130°F). Simultaneous approach authorized. Use of FD or AP providing RNAV track guidance required during simultaneous operations. LNAV procedure NA during simultaneous operations. DME/DME RNP-0.3 NA. For inop ALS, increase LNAV Cat C/D visibility to RVR 5500.

MALSR

MISSED APPROACH: Climb to 2000 then climbing left turn to 4000 direct BOWLR and hold.

D-ATIS	KANSAS CITY APP CON	INTERNATIONAL TOWER	GND CON	CLNC DEL	CPDLC
128.375	120.95 318.1	128.2 254.25	121.8	135.7	





CATEGORY	A	B	C	D
LPV DA	1214/18 200 (200-½)			
LNAV/VNAV DA	1331/24 317 (400-½)			
LNAV MDA	1380/24 366 (400-½)		1380/35 366 (400-⅝)	
CIRCLING	1540-1 513 (600-1)		1540-1½ 513 (600-1½)	1580-2 553 (600-2)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

KANSAS CITY, MISSOURI AL-780 (FAA) 20254

RNAV (GPS) Y RWY 1R
KANSAS CITY INTL (MCI)

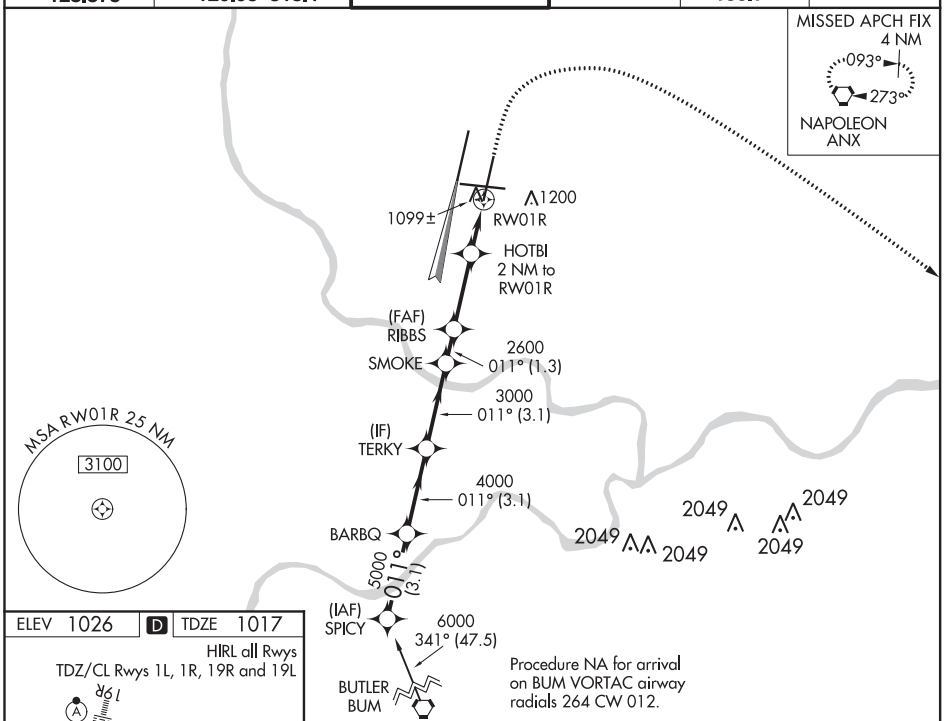
WAAS CH 58208 W01A	APP CRS 011°	Rwy ldg 9500 TDZE 1017 Apt Elev 1026

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -20°C (-4°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. For inop ALSF, increase LPV Cat E visibility to RVR 4000, LNAV/VNAV Cat E visibility to RVR 5000 and LNAV Cat C/D/E visibility to RVR 5000. Simultaneous approach authorized with Rwy 1L. LNAV procedure NA during simultaneous operations. Use of FD or AP providing RNAV track guidance required during simultaneous operations.

ALSF-2

MISSED APPROACH: Climb to 1500 then climbing right turn to 4000 direct ANX VORTAC and hold.

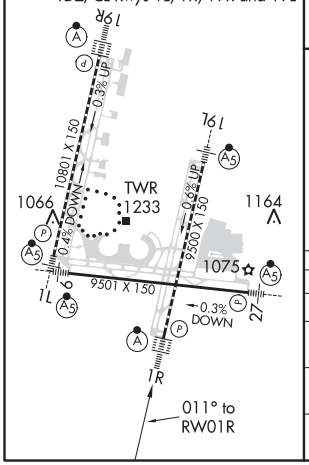
D-ATIS	KANSAS CITY APP CON	INTERNATIONAL TOWER	GND CON	CLNC DEL	CPDLC
128.375	120.95 318.1	128.2 254.25	121.8	135.7	

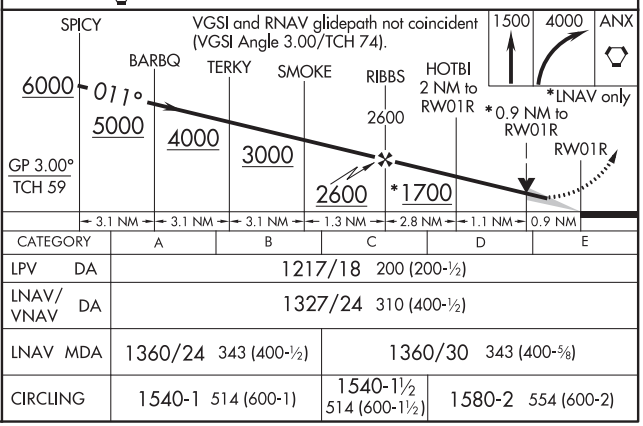


ELEV 1026 D TDZE 1017

HIRL all Rwys

TDZ/CL Rwys 1L, 1R, 19R and 19L





CATEGORY	A	B	C	D	E
LPV DA	1217/18 200 (200-½)				
LNAV/VNAV DA	1327/24 310 (400-½)				
LNAV MDA	1360/24 343 (400-½)		1360/30 343 (400-⅝)		
CIRCLING	1540-1 514 (600-1)		1540-1½ 514 (600-1½)	1580-2 554 (600-2)	

KANSAS CITY, MISSOURI
Amdt 2B 17AUG17

39°18'N-94°43'W

KANSAS CITY INTL (MCI)
RNAV (GPS) Y RWY 1R

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 56608 W09A	APP CRS 094°	Rwy ldg 9501 TDZE 1015 Apt Elev 1026

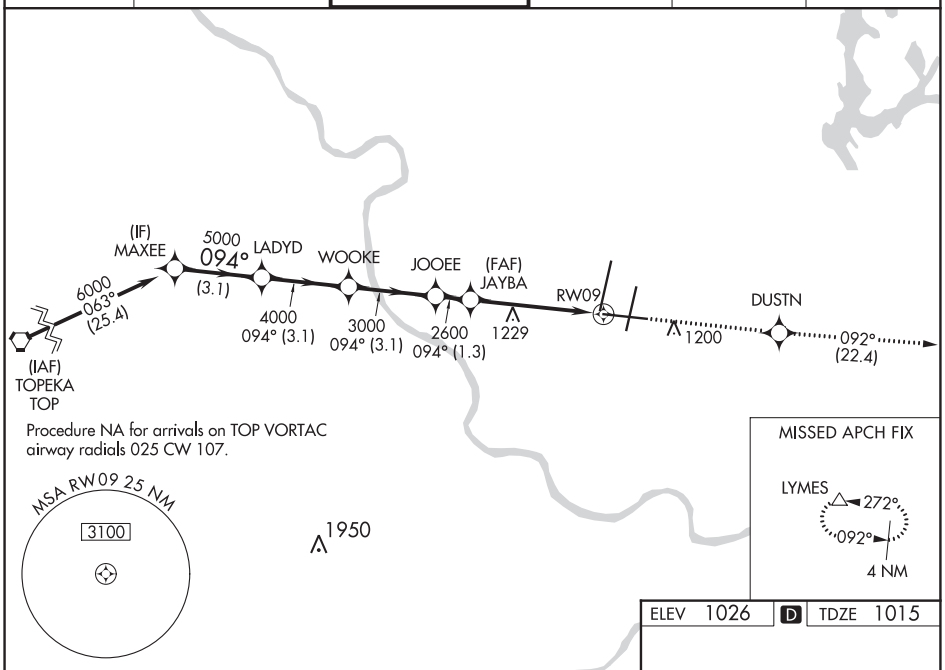
RNAV (GPS) Y RWY 9
KANSAS CITY INTL (MCI)

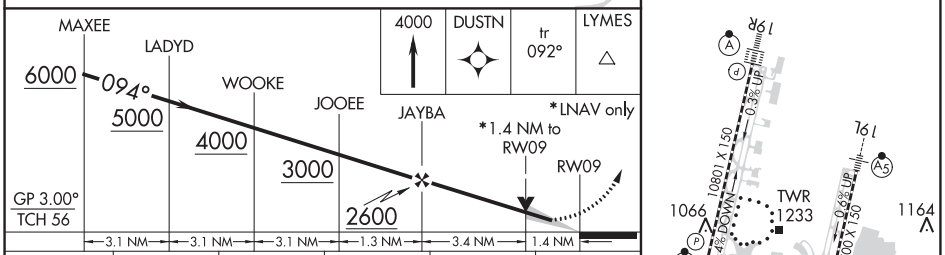
Inop table does not apply to LPV and LNAV/VNAV.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -20°C (-4°F) or above 54°C (130°F). DME/DME RNP-0.3 NA.
For inop MALSR, increase LNAV Cat A/B visibility to RVR 5000 and Cat C/D/E visibility to 1⅛ mile.

MALSR

MISSED APPROACH: Climb to 4000 direct DUSTN and on track 092° to LYMES and hold.

D-ATIS	KANSAS CITY APP CON	INTERNATIONAL TOWER	GND CON	CLNC DEL	CPDLC
128.375	120.95 318.1	128.2 254.25	121.8	135.7	





CATEGORY	A	B	C	D	E
LPV DA	1315/50 300 (300-1)				
LNAV/VNAV DA	1320/50 305 (300-1)				
LNAV MDA	1500/40 485 (500-¾)		1500/50 485 (500-1)		
CIRCLING	1540-1 514 (600-1)		1540-1½ 514 (600-1½)	1580-2 554 (600-2)	

HIRL all Rwys
TDZ/CL Rwys 1L, 1R, 19R and 19L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

KANSAS CITY, MISSOURI | AL-780 (FAA) | 20254

WAAS CH 82108 W19A	APP CRS 191°	Rwy ldg 9500 TDZE 995 Apt Elev 1027

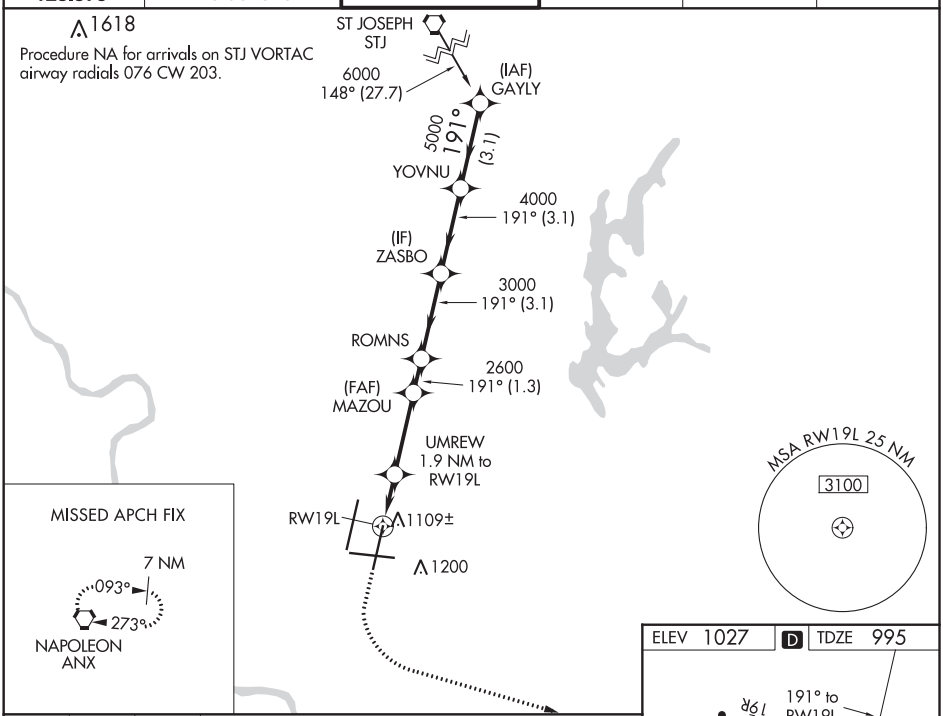
RNAV (GPS) Y RWY 19L
KANSAS CITY INTL (MCI)

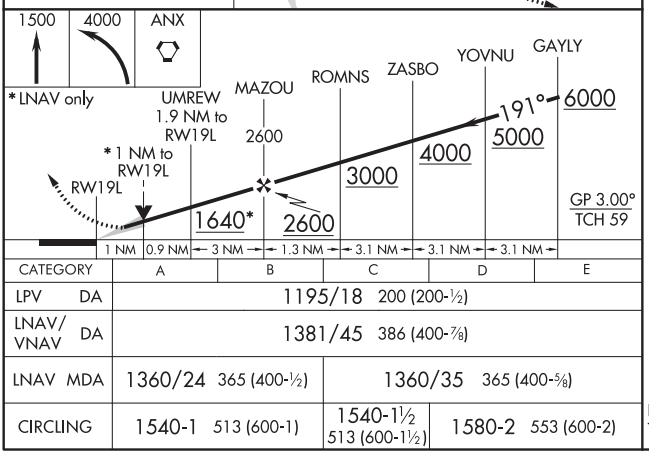
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -18°C (0°F) or above 54°C (130°F). Simultaneous approach authorized. Use of FD or AP providing RNAV track guidance required during simultaneous operations. LNAV procedure NA during simultaneous operations. DME/DME RNP-0.3 NA. For inop ALS, increase LPV Cat E visibility to RVR 4000, LNAV/VNAV all Cats visibility to 1¼ SM, and LNAV Cat C/D/E visibility to RVR 5500.

MALSR

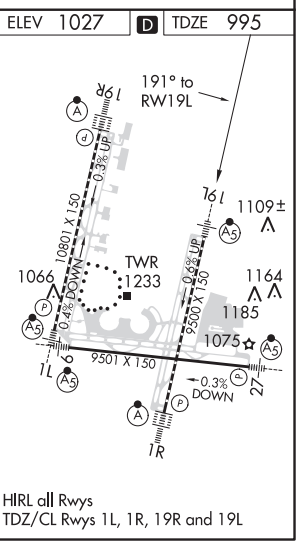
MISSED APPROACH: Climb to 1500 then climbing left turn to 4000 direct ANX VORTAC and hold.

D-ATIS	KANSAS CITY APP CON	INTERNATIONAL TOWER	GND CON	CLNC DEL	CPDLC
128.375	120.95 318.1	128.2 254.25	121.8	135.7	





CATEGORY	A	B	C	D	E
LPV DA	1195/18 200 (200-½)				
LNAV/VNAV DA	1381/45 386 (400-⅞)				
LNAV MDA	1360/24 365 (400-½)		1360/35 365 (400-⅝)		
CIRCLING	1540-1 513 (600-1)		1540-1½ 513 (600-1½)	1580-2 553 (600-2)	



NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 72908 W19B	APP CRS 191°	Rwy ldg 10801 TDZE 989 Apt Elev 1026

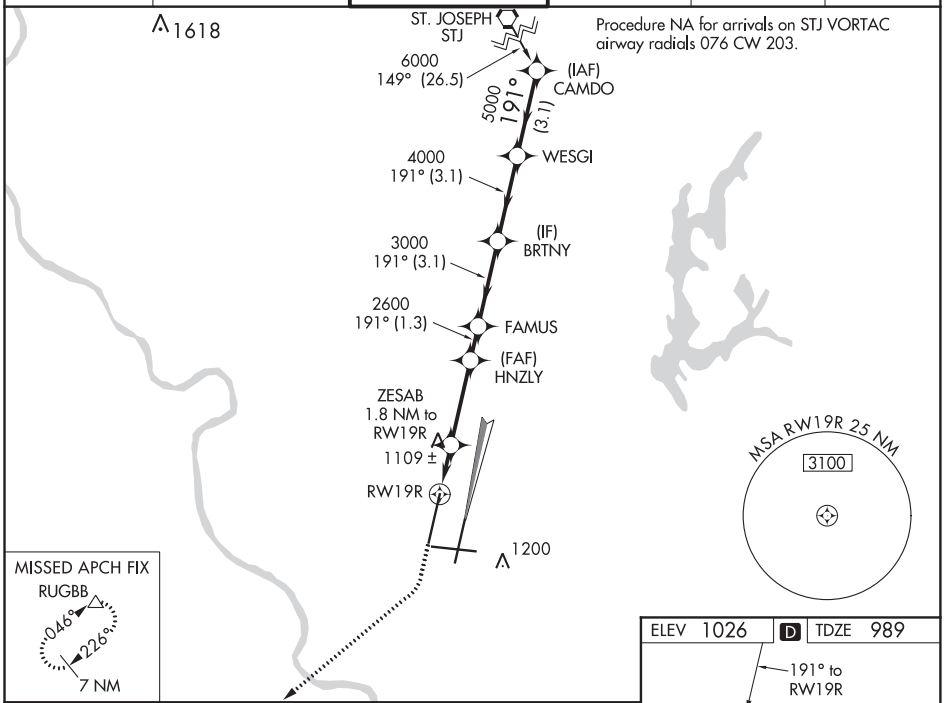
RNAV (GPS) Y RWY 19R
KANSAS CITY INTL (MCI)

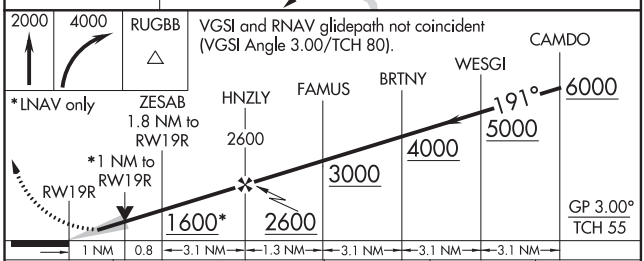
DME/DME RNP-0.3 NA. Simultaneous approach authorized with Rwy 19L. LNAV procedure NA during simultaneous operations. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -20°C (-4°F) or above 54°C (130°F). For inop ALSF, increase LPV Cat E visibility to RVR 4000, LNAV/VNAV all Cats visibility to RVR 5000 and LNAV Cat E visibility to RVR 6000. Use of FD or AP providing RNAV track guidance required during simultaneous operations.

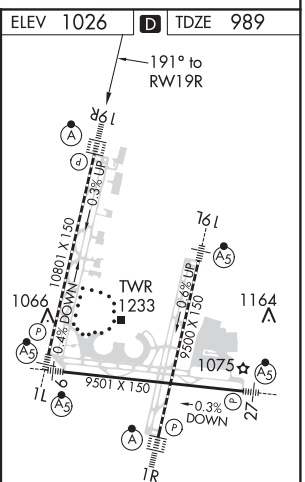
ALSF-2

MISSED APPROACH: Climb to 2000 then climbing right turn to 4000 direct RUGBB and hold.

D-ATIS	KANSAS CITY APP CON	INTERNATIONAL TOWER	GND CON	CLNC DEL	CPDLC
128.375	120.95 318.1	128.2 254.25	121.8	135.7	







HIRL all Rwys
TDZ/CL Rwys 1L, 1R, 19L and 19R

CATEGORY	A	B	C	D	E
LPV DA	1189/18 200 (200-½)				
LNAV/VNAV DA	1292/24 303 (300-½)				
LNAV MDA	1380/24 391 (400-½)		1380/40 391 (400-¾)		
CIRCLING	1540-1 514 (600-1)		1540-1½ 514 (600-1½)	1580-2 554 (600-2)	

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 82708 W27A	APP CRS 274°	Rwy ldg 9501 TDZE 1026 Apt Elev 1026

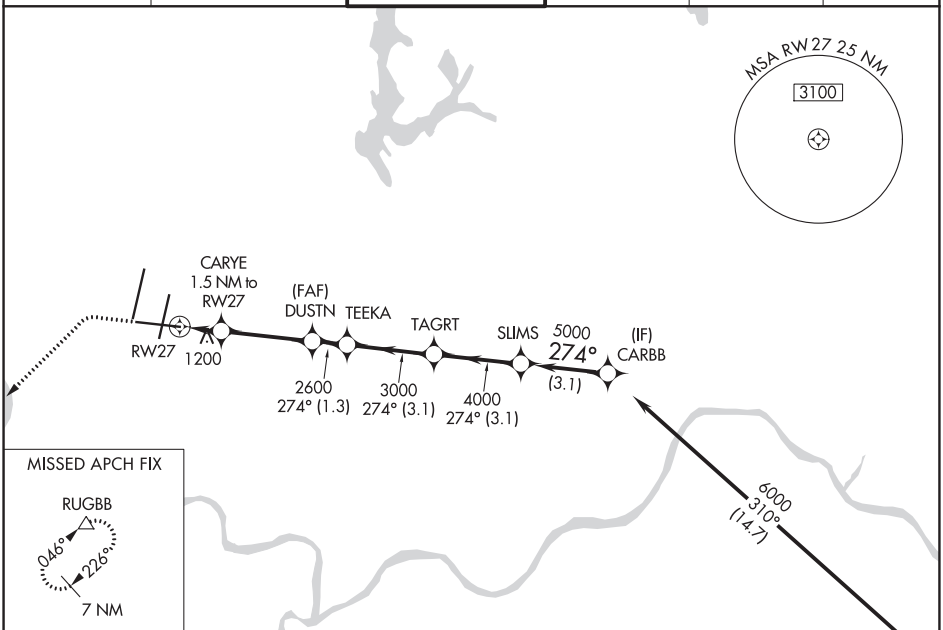
RNAV (GPS) Y RWY 27
KANSAS CITY INTL (MCI)

DME/DME RNP-0.3 NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -20°C (-4°F) or above 54° C (130°F).
For inop MALSR, increase LNAV/VNAV all Cats visibility to 1⅝ mile.
RVR 1800 authorized with use of FD or AP or HUD to DA.

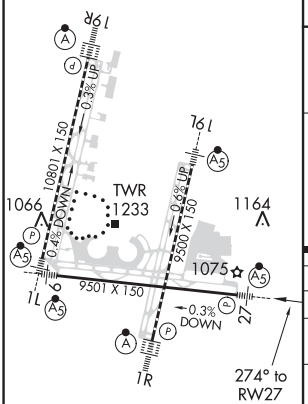
MALSR

MISSED APPROACH: Climb to 1600 then climbing left turn 4000 direct RUGBB and hold.

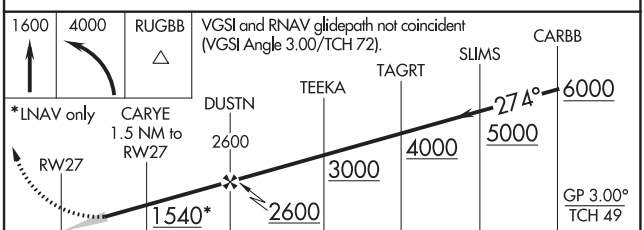
D-ATIS	KANSAS CITY APP CON	INTERNATIONAL TOWER	GND CON	CLNC DEL	CPDLC
128.375	120.95 318.1	128.2 254.25	121.8	135.7	



ELEV 1026 | D | TDZE 1026



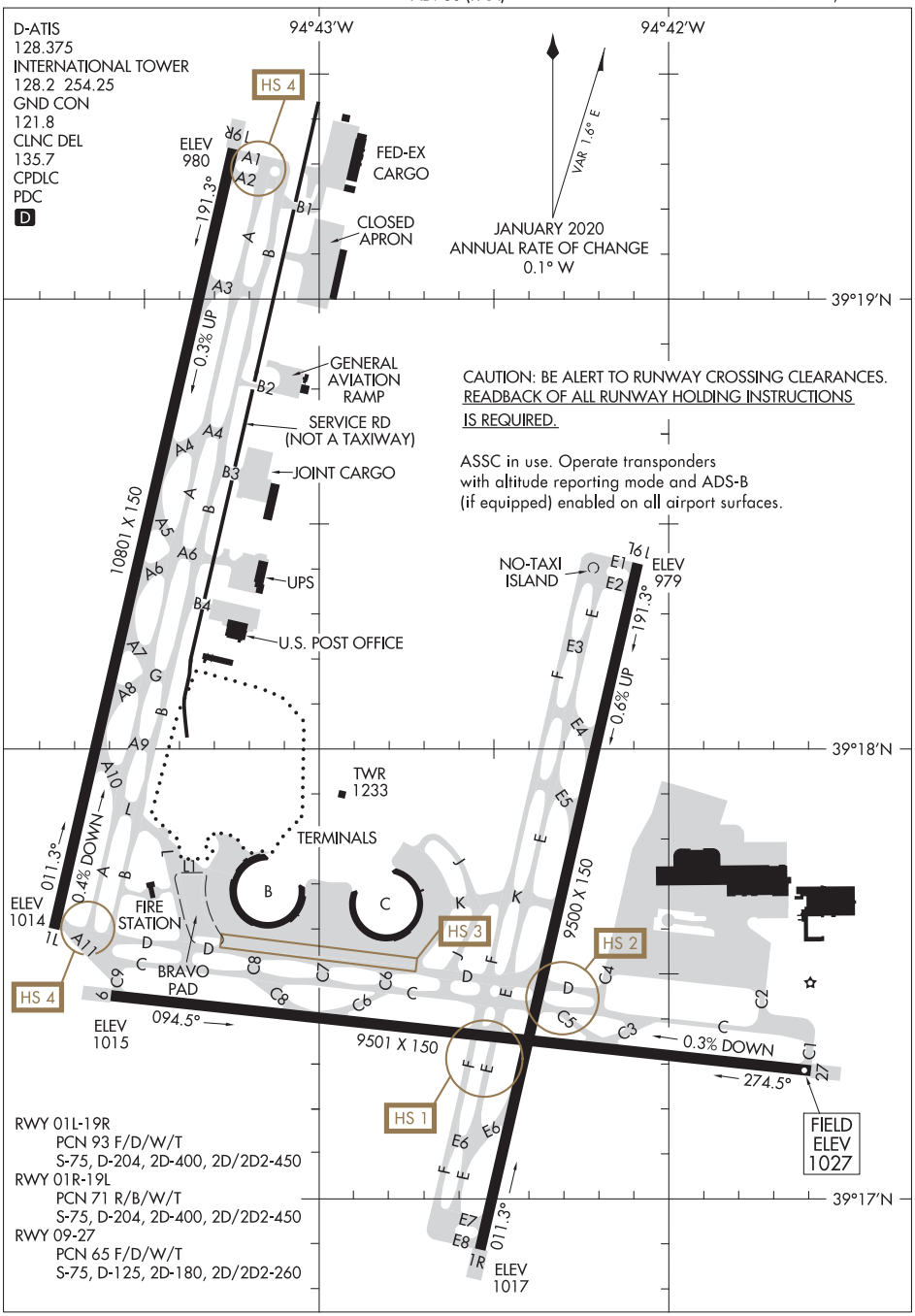
HIRL all Rwys
TDZ/CL Rwys 1L, 1R, 19R and 19L



CATEGORY	A	B	C	D	E
LPV DA #	1226/24 200 (200-½)				
LNAV/VNAV DA	1495/60 469 (500-1¼)				
LNAV MDA	1460/24 434 (500-½)		1460/40 434 (500-¾)		
CIRCLING	1540-1 514 (600-1)		1540-1½ 514 (600-1½)	1580-2 554 (600-2)	

NC-3, 25 FEB 2021 to 22 APR 2021

AL-780 (FAA)



NC-3, 25 FEB 2021 to 22 APR 2021

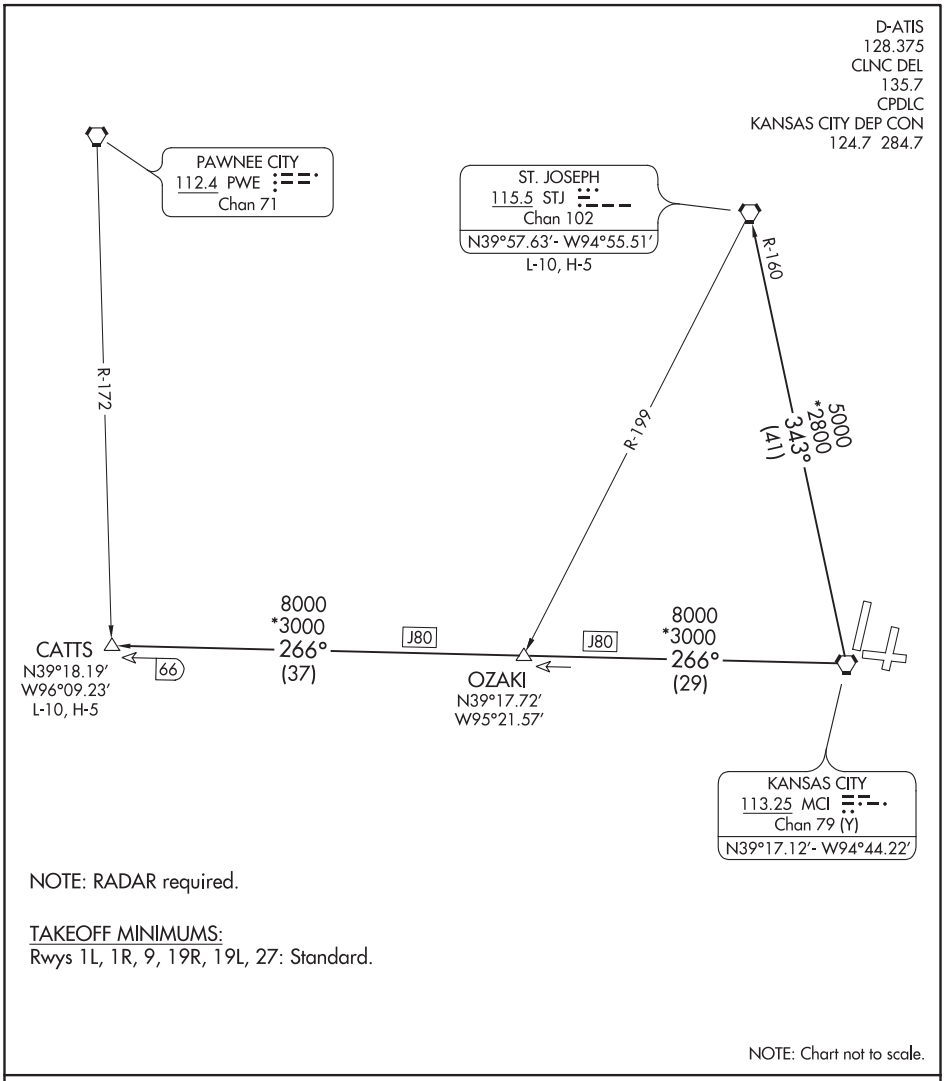
NC-3, 25 FEB 2021 to 22 APR 2021

(CHIEF7.MCI) 20086

CHIEF SEVEN DEPARTURE

AL-780 (FAA)

KANSAS CITY INTL (MCI)
KANSAS CITY, MISSOURI



NOTE: RADAR required.

TAKEOFF MINIMUMS:
Rwys 1L, 1R, 9, 19R, 19L, 27: Standard.

NOTE: Chart not to scale.

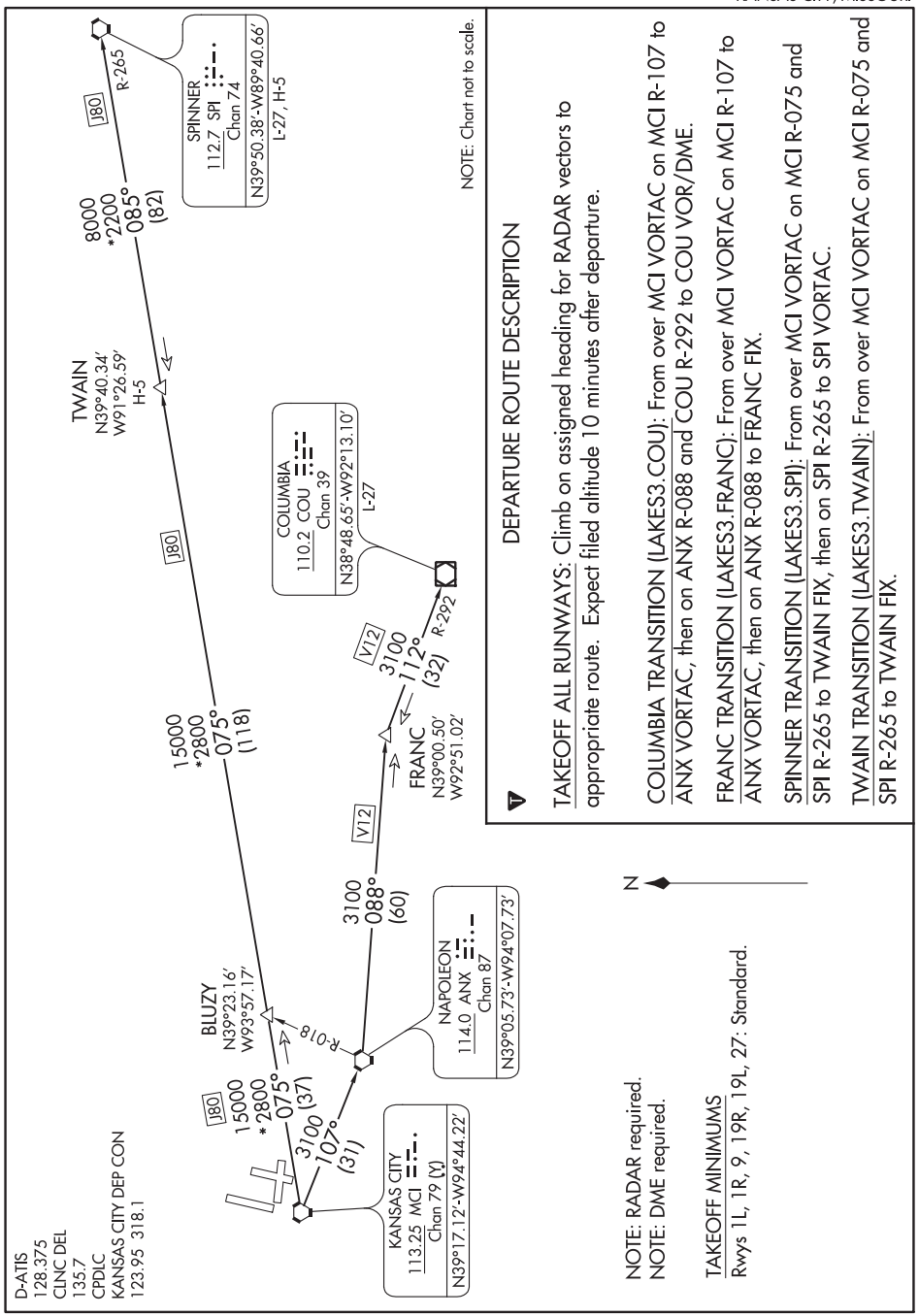
DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: Climb on assigned heading for RADAR vectors to appropriate route. Expect filed altitude 10 minutes after departure.

CATTS TRANSITION (CHIEF7.CATTS): From over MCI VORTAC on MCI R-266 to CATTS INT.

ST. JOSEPH TRANSITION (CHIEF7.STJ): From over MCI VORTAC on MCI R-343 and STJ R-160 to STJ VORTAC.

NC-3, 25 FEB 2021 to 22 APR 2021

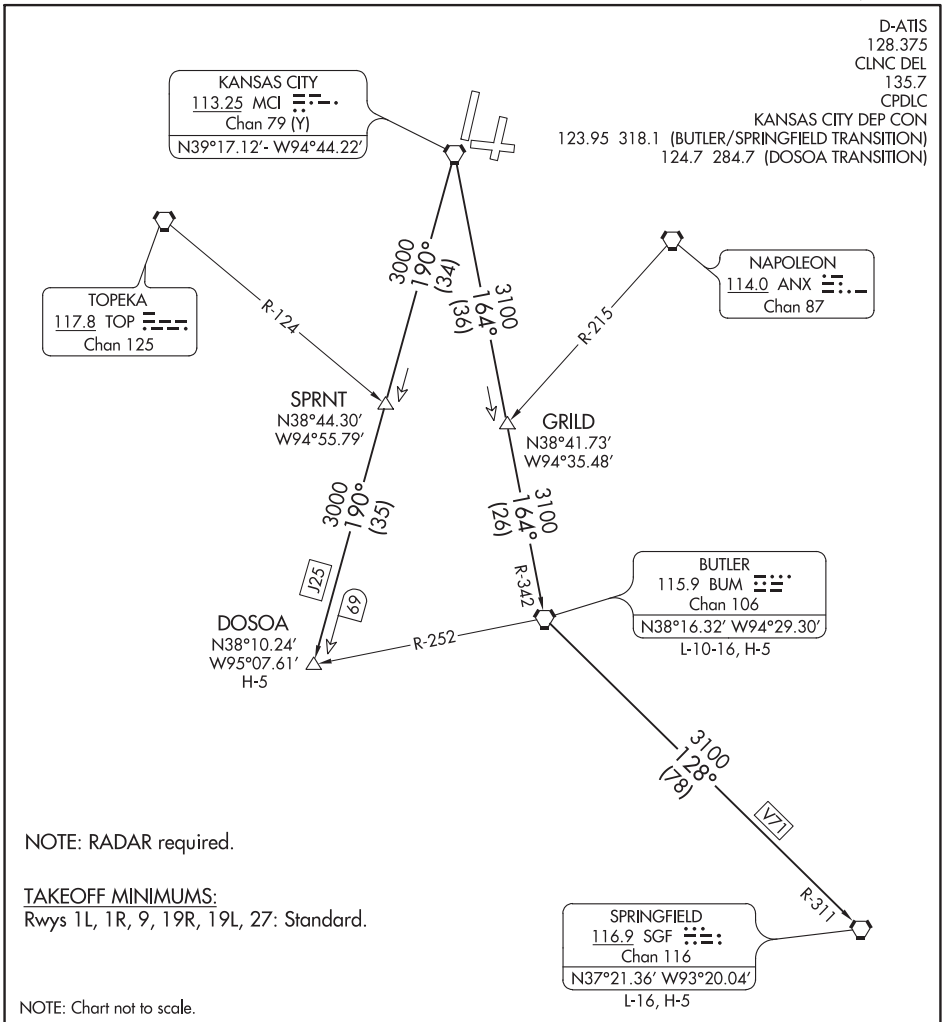

D-ATIS
128.375
CLNC DEL
135.7
CPDLC
KANSAS CITY DEP CON
123.95 318.1
KANSAS CITY
113.25 MCI
Chan 79 (Y)
N39°17.12'-W94°44.22'
J80
15000
*2800
075°
(118)
3100
107°
(31)
BLUZY
N39°23.16'
W93°57.17'
R-018
NAPOLEON
114.0 ANX
Chan 87
N39°05.73'-W94°07.73'
3100
088°
(60)
V12
FRANC
N39°00.50'
W92°51.02'
3100
112°
(32)
R-292
COLUMBIA
110.2 COU
Chan 39
N38°48.65'-W92°13.10'
L-27
TWAIN
N39°40.34'
W91°26.59'
H-5
8000
*2200
085°
(82)
R-265
SPINNER
112.7 SPI
Chan 74
N39°50.38'-W89°40.66'
L-27, H-5
NOTE: Chart not to scale.
DEPARTURE ROUTE DESCRIPTION
TAKEOFF ALL RUNWAYS: Climb on assigned heading for RADAR vectors to appropriate route. Expect filed altitude 10 minutes after departure.
COLUMBIA TRANSITION (LAKES3.COU): From over MCI VORTAC on MCI R-107 to ANX VORTAC, then on ANX R-088 and COU R-292 to COU VOR/DME.
FRANC TRANSITION (LAKES3.FRANC): From over MCI VORTAC on MCI R-107 to ANX VORTAC, then on ANX R-088 to FRANC FIX.
SPINNER TRANSITION (LAKES3.SPI): From over MCI VORTAC on MCI R-075 and SPI R-265 to TWAIN FIX, then on SPI R-265 to SPI VORTAC.
TWAIN TRANSITION (LAKES3.TWAIN): From over MCI VORTAC on MCI R-075 and SPI R-265 to TWAIN FIX.
N
NOTE: RADAR required.
NOTE: DME required.
TAKEOFF MINIMUMS
Rwys 1L, 1R, 9, 19R, 19L, 27: Standard.

(RACER7.MCI) 20086

RACER SEVEN DEPARTURE

AL-780 (FAA)

KANSAS CITY INTL (MCI)
KANSAS CITY, MISSOURI



NOTE: RADAR required.

TAKEOFF MINIMUMS:
Rwys 1L, 1R, 9, 19R, 19L, 27: Standard.

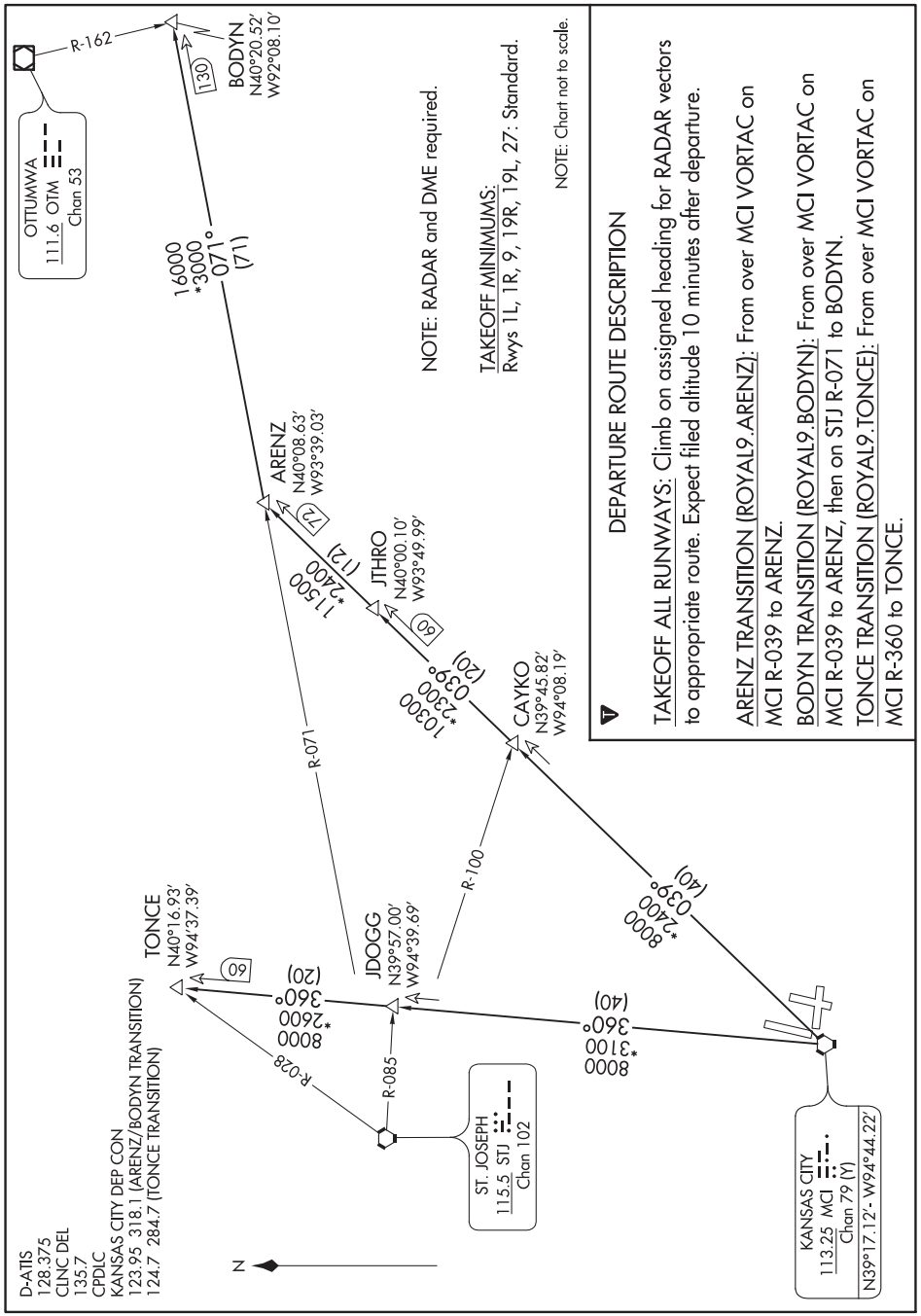
NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: Climb on assigned heading for RADAR vectors to appropriate route. Expect filed altitude 10 minutes after departure.

BUTLER TRANSITION (RACER7.BUM): From over MCI VORTAC on MCI R-164 and BUM R-342 to BUM VORTAC.
DOSOA TRANSITION (RACER7.DOSOA): From over MCI VORTAC on MCI R-190 to DOSOA.
SPRINGFIELD TRANSITION (RACER7.SGF): From over MCI VORTAC on MCI R-164 and BUM R-342 to BUM VORTAC, then on BUM R-128 and SGF R-311 to SGF VORTAC.

NC-3, 25 FEB 2021 to 22 APR 2021

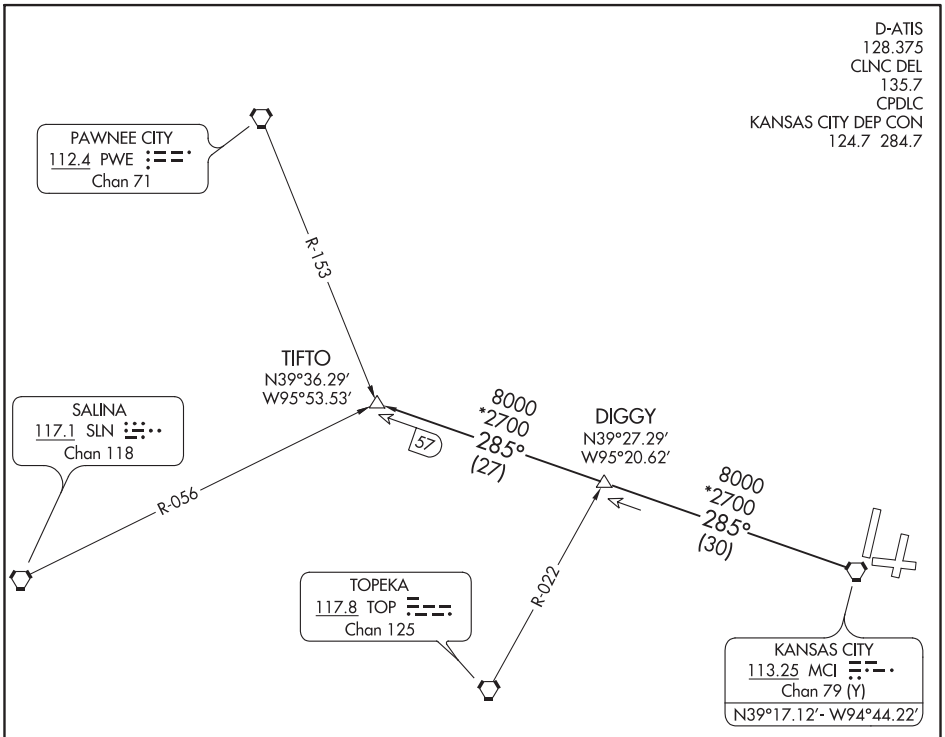

OTTUMWA
111.6 OTM
Chan 53
R-162
BODYN
N40°20.52'
W92°08.10'
130
16000
*3000
071°
(71)
ARENZ
N40°08.63'
W93°39.03'
72
1500
*2400
(12)
JTHRO
N40°00.10'
W93°49.99'
80
1030
*2300
039°
(20)
CAYKO
N39°45.82'
W94°08.19'
8000
*2400
039°
(40)
8000
*3100
360°
(40)
R-071
R-100
JDOGG
N39°57.00'
W94°39.69'
8000
*2600
360°
(20)
R-085
R-028
TONCE
N40°16.93'
W94°37.39'
60
ST. JOSEPH
115.5 STJ
Chan 102
KANSAS CITY
113.25 MCI
Chan 79 (Y)
N39°17.12' - W94°44.22'
N
D-ATIS
128.375
CLNC DEL
135.7
CPDLC
KANSAS CITY DEP CON
123.95 318.1 (ARENZ/BODYN TRANSITION)
124.7 284.7 (TONCE TRANSITION)
NOTE: RADAR and DME required.
TAKEOFF MINIMUMS:
Rwys 1L, 1R, 9, 19R, 19L, 27: Standard.
NOTE: Chart not to scale.
DEPARTURE ROUTE DESCRIPTION
TAKEOFF ALL RUNWAYS: Climb on assigned heading for RADAR vectors to appropriate route. Expect filed altitude 10 minutes after departure.
ARENZ TRANSITION (ROYAL9.ARENZ): From over MCI VORTAC on MCI R-039 to ARENZ.
BODYN TRANSITION (ROYAL9.BODYN): From over MCI VORTAC on MCI R-039 to ARENZ, then on STJ R-071 to BODYN.
TONCE TRANSITION (ROYAL9.TONCE): From over MCI VORTAC on MCI R-360 to TONCE.

(TIFTO6.MCI) 20086

TIFTO SIX DEPARTURE

AL-780 (FAA)

KANSAS CITY INTL (MCI)
KANSAS CITY, MISSOURI



NOTE: RADAR required.

TAKEOFF MINIMUMS
Rwys 1L, 1R, 9, 19R, 19L, 27: Standard.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: Climb on assigned heading for RADAR vectors to appropriate route. Expect filed altitude 10 minutes after departure.

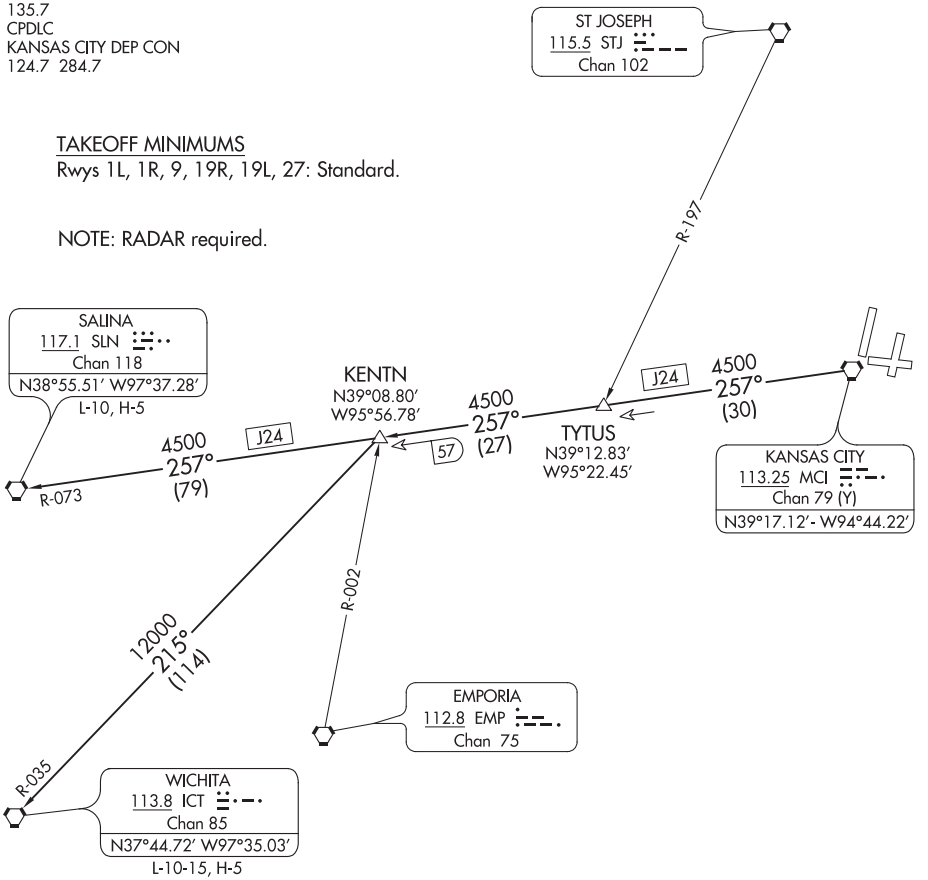
TIFTO TRANSITION (TIFTO6.TIFTO): From over MCI VORTAC on MCI R-285 to TIFTO.

NC-3, 25 FEB 2021 to 22 APR 2021

D-ATIS
128.375
CLNC DEL
135.7
CPDLC
KANSAS CITY DEP CON
124.7 284.7

TAKEOFF MINIMUMS
Rwys 1L, 1R, 9, 19R, 19L, 27: Standard.

NOTE: RADAR required.



NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: Climb on assigned heading for RADAR vectors to appropriate route. Expect filed altitude 10 minutes after departure.

KENTN TRANSITION (WLDCT5.KENTN): From over MCI VORTAC on MCI R-257 to KENTN.
SALINA TRANSITION (WLDCT5.SLN): From over MCI VORTAC on MCI R-257 and SLN R-073 to SLN VORTAC.
WICHITA TRANSITION (WLDCT5.ICT): From over MCI VORTAC on MCI R-257 to KENTN, then on ICT R-035 to ICT VORTAC.

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

KENNETT, MISSOURI | AL-5835 (FAA) | 19115

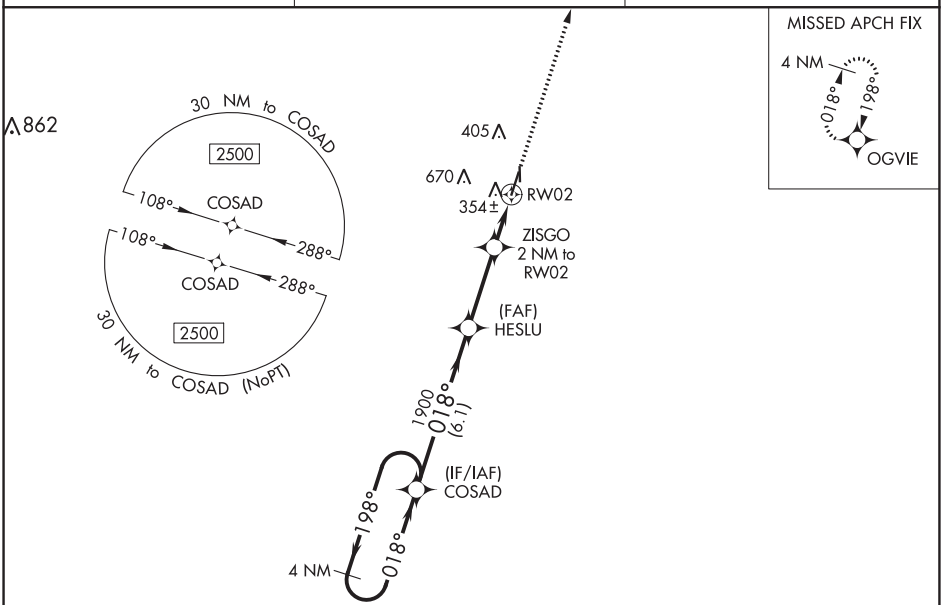
WAAS CH 93735 W02A	APP CRS 018°	Rwy ldg 5000 TDZE 262 Apt Elev 262

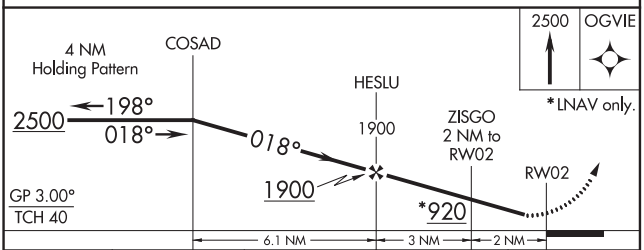
RNAV (GPS) RWY 2
KENNETT MEMORIAL (TKX)

T NA Circling to Rwy 18/36 NA at night. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). Circling NA west of Rwys 2 and 18. DME/DME RNP-0.3 NA. When local altimeter setting not received, use Blytheville altimeter setting and increase all DA 47 feet and all MDA 60 feet; increase LNAV/VNAV visibility all Cats and LNAV Cats C/D visibility ⅛ mile; increase Circling Cat D visibility ¼ mile. Helicopter visibility reduction below 1 SM NA. Rwy 2 Straight-in and Circling minimums NA at night.

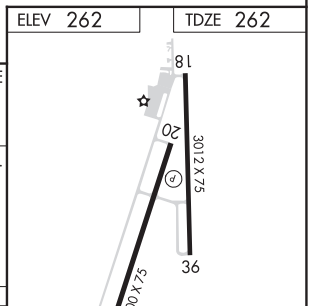
MISSED APPROACH: Climb to 2500 direct OGVIE and hold.

AWOS-3PT	MEMPHIS CENTER	UNICOM
119.05	120.075 289.4	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	512-1 250 (300-1)			
LNAV/VNAV DA	538-1 276 (300-1)			
LNAV MDA	620-1 358 (400-1)			
C CIRCLING	660-1 398 (400-1)	720-1 458 (500-1)	720-1½ 458 (500-1½)	900-2 638 (700-2)



NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 42635 W20A	APP CRS 198°	Rwy ldg 5000 TDZE 262 Apt Elev 262

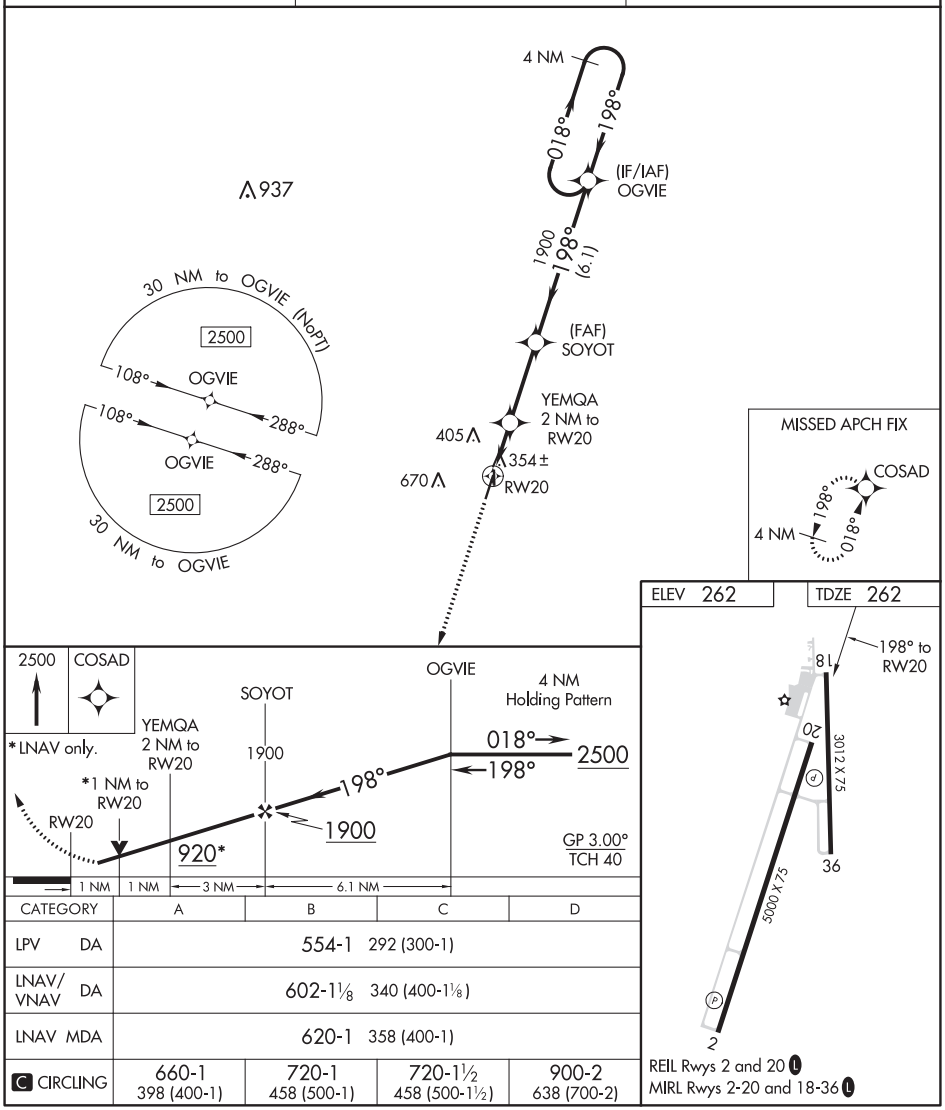
RNAV (GPS) RWY 20
KENNETT MEMORIAL (TKX)

T
A NA

Circling to Rwy 18/36 NA at night. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). Circling NA west of Rwys 2 and 18.
DME/DME RNP-0.3 NA. When local altimeter setting not received, use Blytheville altimeter setting and increase all DA 47 feet and all MDA 60 feet; increase LPV visibility ⅛ mile all Cats; increase LNAV/VNAV visibility ¼ mile all Cats; increase LNAV Cat C/D and Circling Cat D visibility ¼ mile. Helicopter visibility reduction below ¾ SM NA. VDP and Baro-VNAV NA when using Blytheville Muni altimeter setting.

MISSED APPROACH: Climb to 2500 direct COSAD and hold.

AWOS-3PT	MEMPHIS CENTER	UNICOM
119.05	120.075 289.4	122.8 (CTAF) L



CATEGORY	A	B	C	D
LPV DA	554-1 292 (300-1)			
LNAV/VNAV DA	602-1⅛ 340 (400-1⅛)			
LNAV MDA	620-1 358 (400-1)			
C CIRCLING	660-1 398 (400-1)	720-1 458 (500-1)	720-1½ 458 (500-1½)	900-2 638 (700-2)

REIL Rwys 2 and 20 L
MIRL Rwys 2-20 and 18-36 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

KENNETT, MISSOURI | AL-5835 (FAA) | 20198

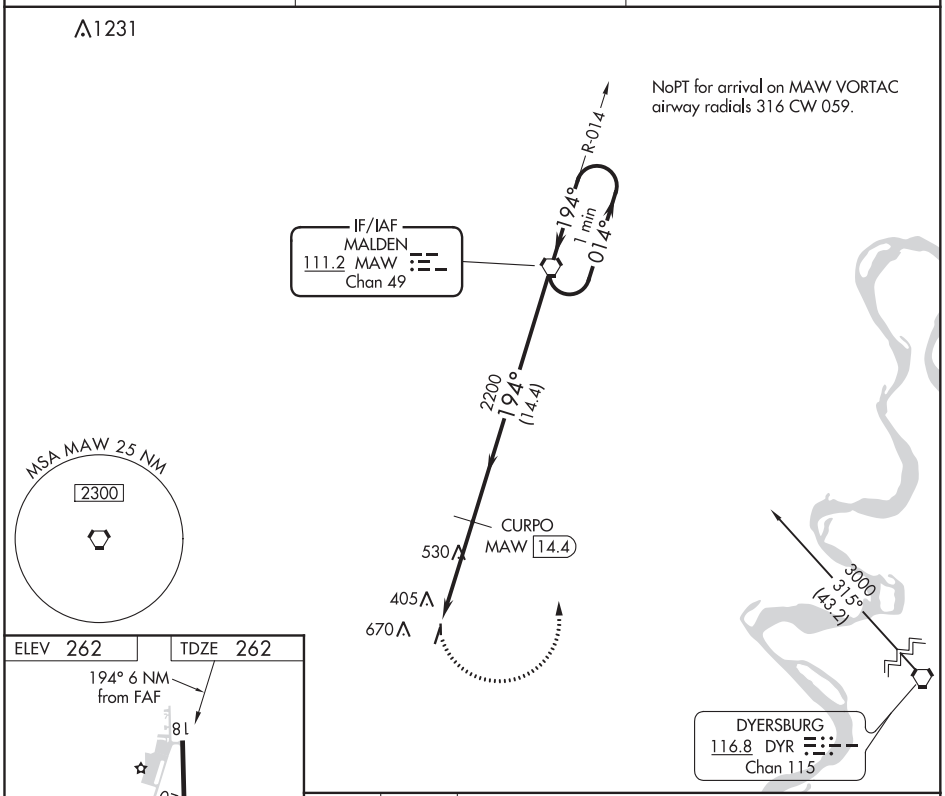
VOR/DME RWY 20
KENNETT MEMORIAL (TKX)

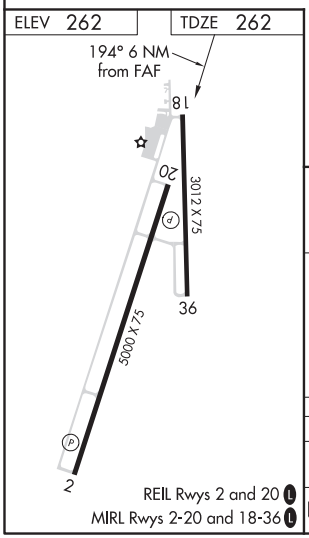
VORTAC MAW	APP CRS	Rwy ldg	5000
111.2	194°	TDZE	262
Chan 49		Apt Elev	262

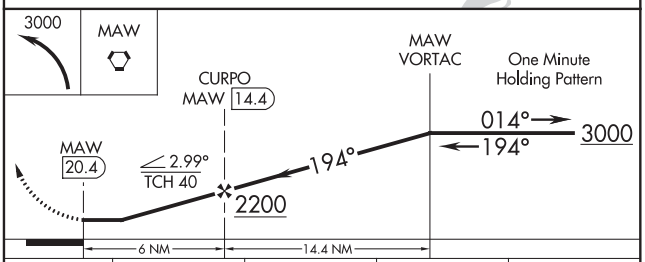
T ANA — Circling to Rwy 18-36 NA at night. Circling NA west of Rwys 2 and 18. When local altimeter setting not received, use Blytheville altimeter setting and increase all MDA 60 feet; increase all Cat C/D visibility ¼ mile. Helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climbing left turn to 3000 direct MAW VORTAC and hold.

AWOS-3PT	MEMPHIS CENTER	UNICOM
119.05	120.075 289.4	122.8 (CTAF) L







CATEGORY	A	B	C	D
S-20	900-1 638 (700-1)		900-1⅞ 638 (700-1⅞)	
C CIRCLING	900-1 638 (700-1)		900-1⅞ 638 (700-1⅞)	900-2 638 (700-2)

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

ILS or LOC/DME RWY 26
KEOKUK MUNI (EOK)

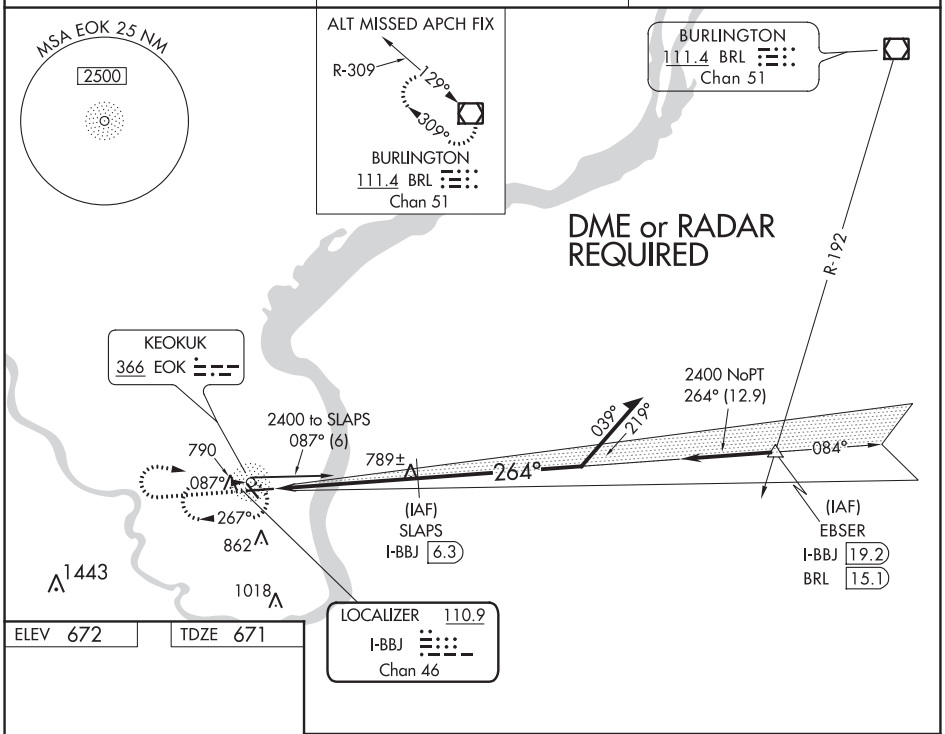
LOC/DME I-BBJ	APP CRS	Rwy ldg	5500
110.9	264°	TDZE	671
Chan 46		Apt Elev	672

ADF required. VDP NA when using Burlington altimeter setting. When VGSI inop, Circling rwy 32 NA at night. When local altimeter setting not received, use Burlington altimeter setting and increase DA to 930 feet and all MDA 60 feet. Increase S-LOC 26 and Circling Cat C visibility ¼ SM. Circling to Rwy 32 NA at night. For inop MALSR when using Burlington altimeter setting, increase S-ILS 26 Cats A/B/C visibility to 1 mile.

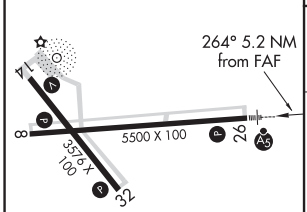
MALSR

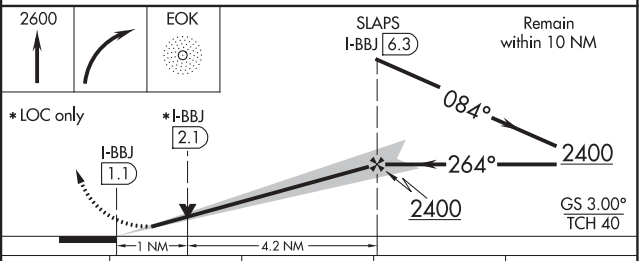
MISSED APPROACH: Climb to 2600 then right turn direct EOK NDB and hold.

AWOS-3	KANSAS CITY CENTER	UNICOM
118.375	126.225 317.775	122.8 (CTAF) L



ELEV 672 TDZE 671





CATEGORY	A	B	C	D
S-ILS 26	871-½ 200 (200-½)			NA
S-LOC 26	1040-½ 369 (400-½)			NA
CIRCLING	1180-1 508 (600-1)		1220-1½ 548 (600-1½)	NA

REIL Rwys 8, 14 and 32 L
MIRL Rwys 8-26 and 14-32 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

KEOKUK, IOWA | AL-970 (FAA) | 19115

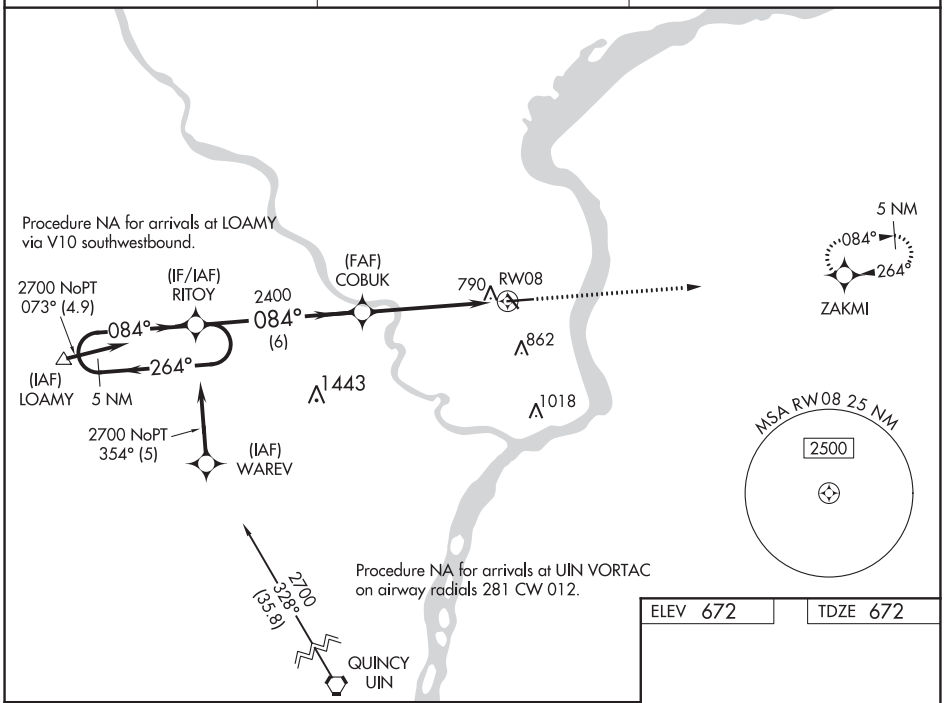
WAAS CH 97304 W08A	APP CRS 084°	Rwy ldg 5500 TDZE 672 Apt Elev 672

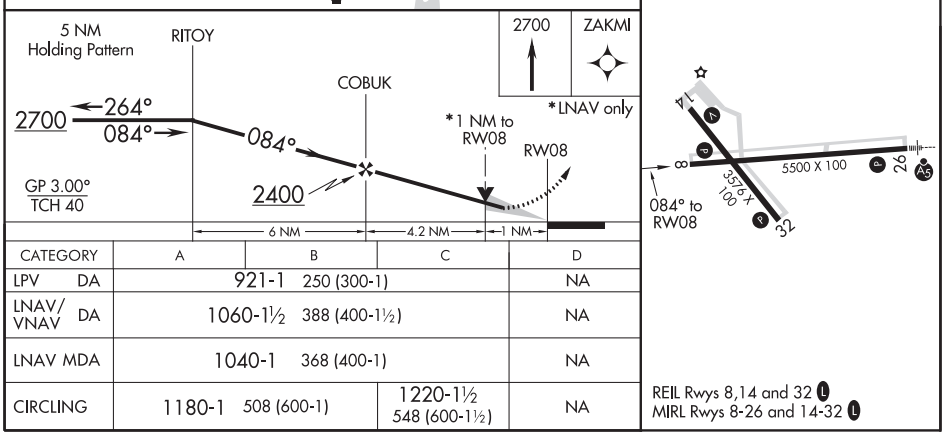
RNAV (GPS) RWY 8
KEOKUK MUNI (EOK)

DME/DME RNP -0.3 NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). When local altimeter setting not received, use Burlington altimeter setting and increase all DA 59 feet and all MDA 60 feet, increase LNAV and Circling Cat C visibility ¼ mile. VDP and Baro-VNAV NA when using Burlington altimeter setting. Circling to Rwy 32 NA at night.

MISSED APPROACH: Climb to 2700 direct ZAKMI and hold.

AWOS-3	KANSAS CITY CENTER	UNICOM
118.375	126.225 317.775	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	921-1 250 (300-1)			NA
LNAV/VNAV DA	1060-1½ 388 (400-1½)			NA
LNAV MDA	1040-1 368 (400-1)			NA
CIRCLING	1180-1 508 (600-1)		1220-1½ 548 (600-1½)	NA

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

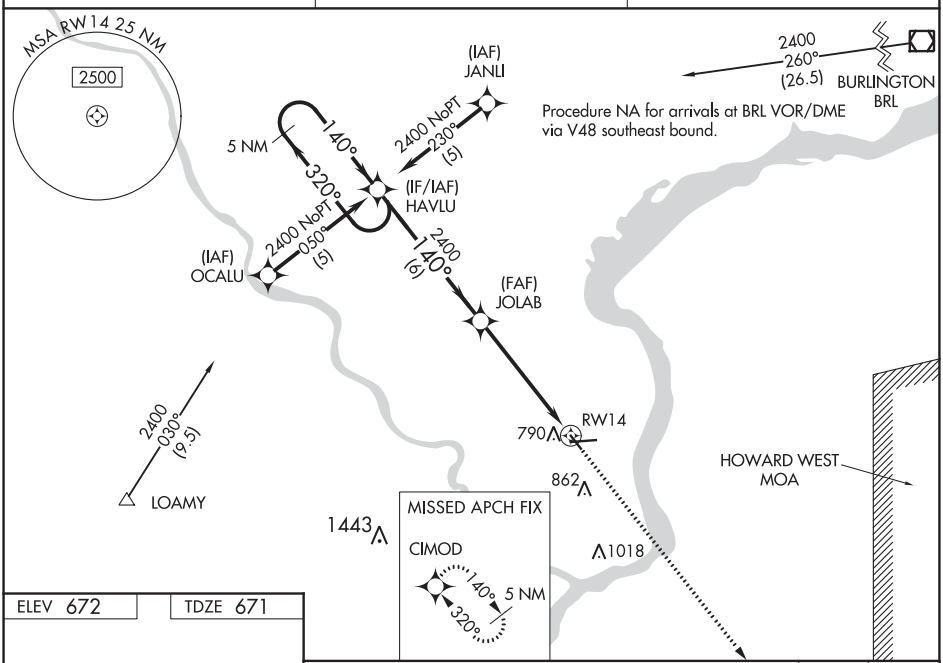
WAAS CH 90104 W14A	APP CRS 140°	Rwy ldg 3576 TDZE 671 Apt Elev 672

RNAV (GPS) RWY 14
KEOKUK MUNI (EOK)

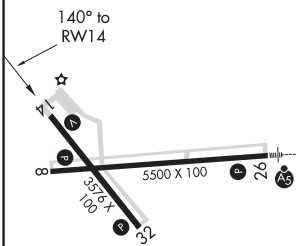
Baro-VNAV NA when using Burlington altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). DME/DME RNP -0.3 NA. Helicopter visibility reduction below 1 SM NA. When local altimeter setting not received, use Burlington altimeter setting and increase all DA 59 feet and all MDA 60 feet, increase LNAV and Circling Cat C visibility ¼ mile. Rwy 14 Straight-in and Circling and Circling to Rwy 32 NA at night.

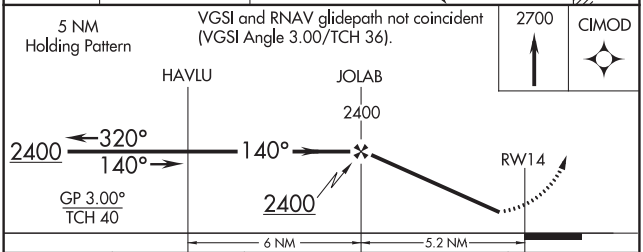
MISSED APPROACH: Climb to 2700 direct CIMOD and hold.

AWOS-3	KANSAS CITY CENTER	UNICOM
118.375	126.225 317.775	122.8 (CTAF) L



ELEV 672 TDZE 671





CATEGORY	A	B	C	D
LPV DA	949-1 278 (300-1)			NA
LNAV/VNAV DA	1040-1¼ 369 (400-1¼)			NA
LNAV MDA	1040-1 369 (400-1)			NA
CIRCLING	1180-1 508 (600-1)		1220-1½ 548 (600-1½)	NA

REIL Rwys 8,14 and 32 L
MIRL Rwys 8-26 and 14-32 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

KEOKUK, IOWA | AL-970 (FAA) | 20310

WAAS CH 45505 W26A	APP CRS 264°	Rwy ldg 5500 TDZE 671 Apt Elev 672

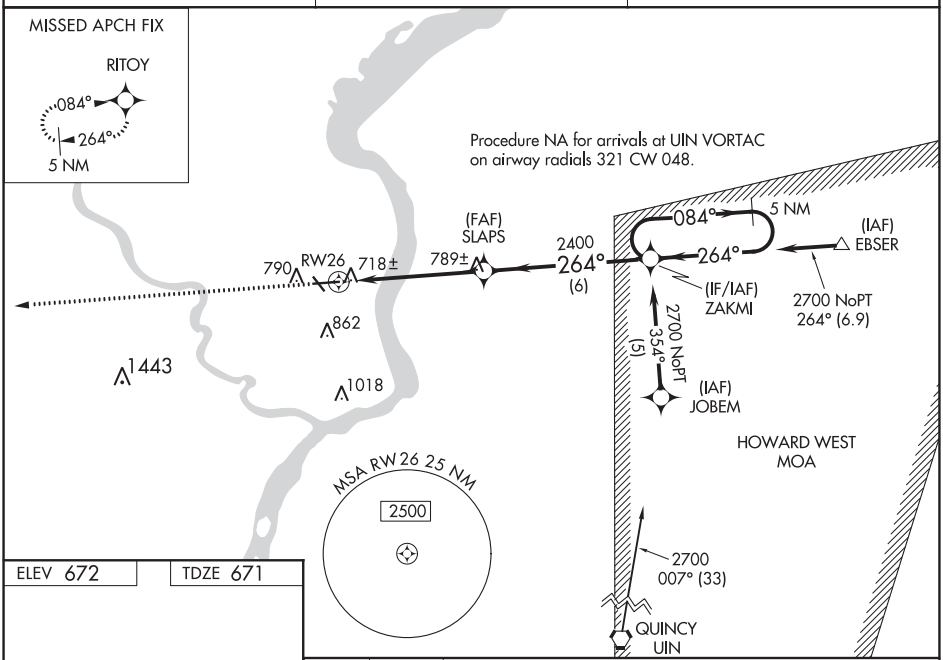
RNAV (GPS) RWY 26
KEOKUK MUNI (EOK)

DME/DME RNP -0.3 NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). When local altimeter setting not received, use Burlington altimeter setting and increase all DA 59 feet and all MDA 60 feet, increase Circling Cat C visibility ¼ mile. For inoperative MALSR, increase LNAV/VNAV and LNAV Cat A/B/C visibility to 1 mile. For inoperative MALSR when using Burlington altimeter, setting, increase LNAV Cat A/B visibility to 1 mile. VDP and Baro-VNAV NA when using Burlington altimeter setting. Circling to Rwy 32 NA at night.

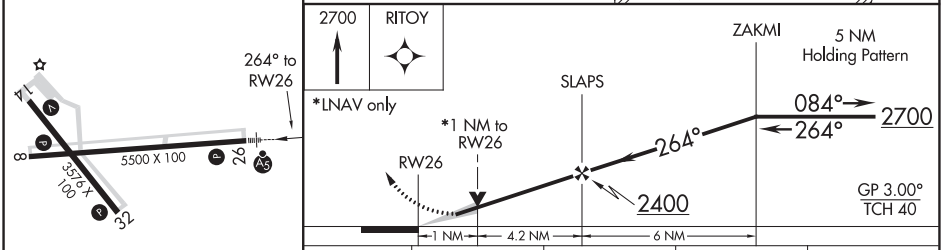
MALSR

MISSED APPROACH: Climb to 2700 direct RITOY and hold.

AWOS-3	KANSAS CITY CENTER	UNICOM
118.375	126.225 317.775	122.8 (CTAF) L



ELEV 672 | TDZE 671



CATEGORY	A	B	C	D
LPV DA	925-¾ 254 (300-¾)			NA
LNAV/VNAV DA	979-¾ 308 (400-¾)			NA
LNAV MDA	1040-¾ 369 (400-¾)			NA
CIRCLING	1180-1 508 (600-1)		1220-1½ 548 (600-1½)	NA

REIL Rwys 8,14 and 32 L
MIRL Rwys 8-26 and 14-32 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

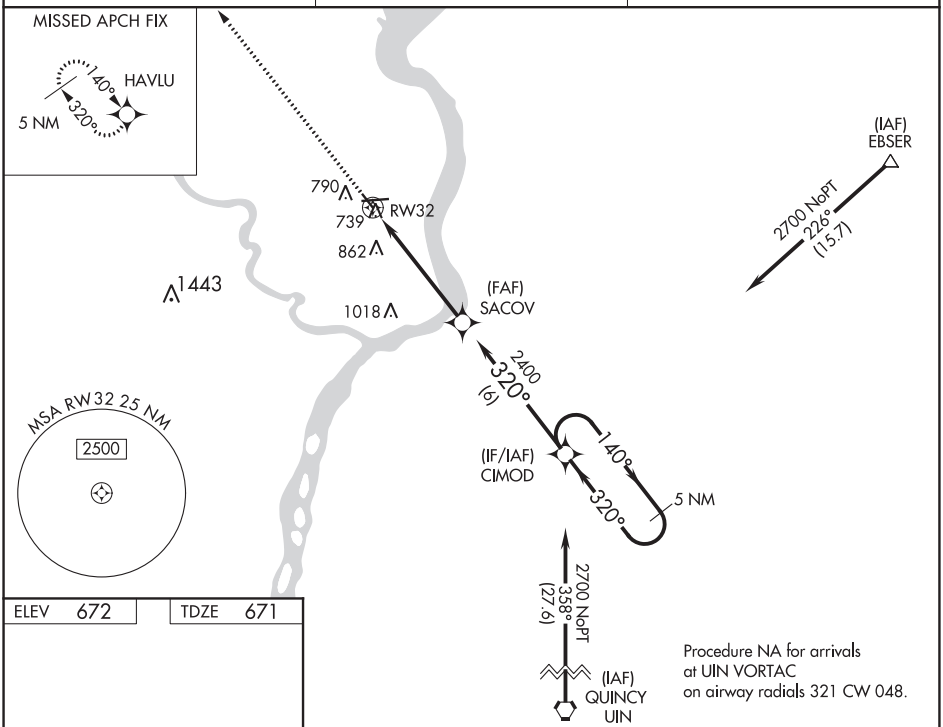
WAAS CH 40005 W32A	APP CRS 320°	Rwy ldg 3576 TDZE 671 Apt Elev 672

RNAV (GPS) RWY 32
KEOKUK MUNI (EOK)

DME/DME RNP -0.3 NA. Helicopter visibility reduction below 1 SM not authorized. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). When local altimeter setting not received, use Burlington altimeter setting and increase all DA 59 feet and all MDA 60 feet, increase LNAV/VNAV Cat A/B/C and LNAV and Circling Cat C visibility ¼ mile. Baro-VNAV NA when using Burlington altimeter setting. Rwy 32 Straight-in and Circling minimums NA at night.

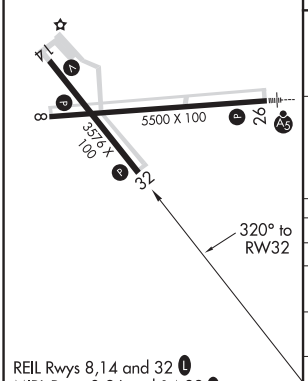
MISSED APPROACH: Climb to 2400 direct HAVLU and hold.

AWOS-3	KANSAS CITY CENTER	UNICOM
118.375	126.225 317.775	122.8 (CTAF) L

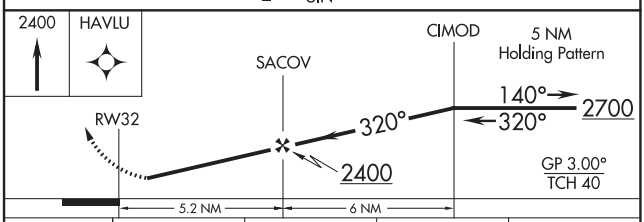


Procedure NA for arrivals at UIN VORTAC on airway radials 321 CW 048.

ELEV 672	TDZE 671



REIL Rwys 8,14 and 32 L
MIRL Rwys 8-26 and 14-32 L



CATEGORY	A	B	C	D
LPV DA	921-1 250 (300-1)			NA
LNAV/VNAV DA	1163-1¾ 492 (500-1¾)			NA
LNAV MDA	1120-1 449 (500-1)		1120-1¼ 449 (500-1¼)	NA
CIRCLING	1180-1 508 (600-1)		1220-1½ 548 (600-1½)	NA

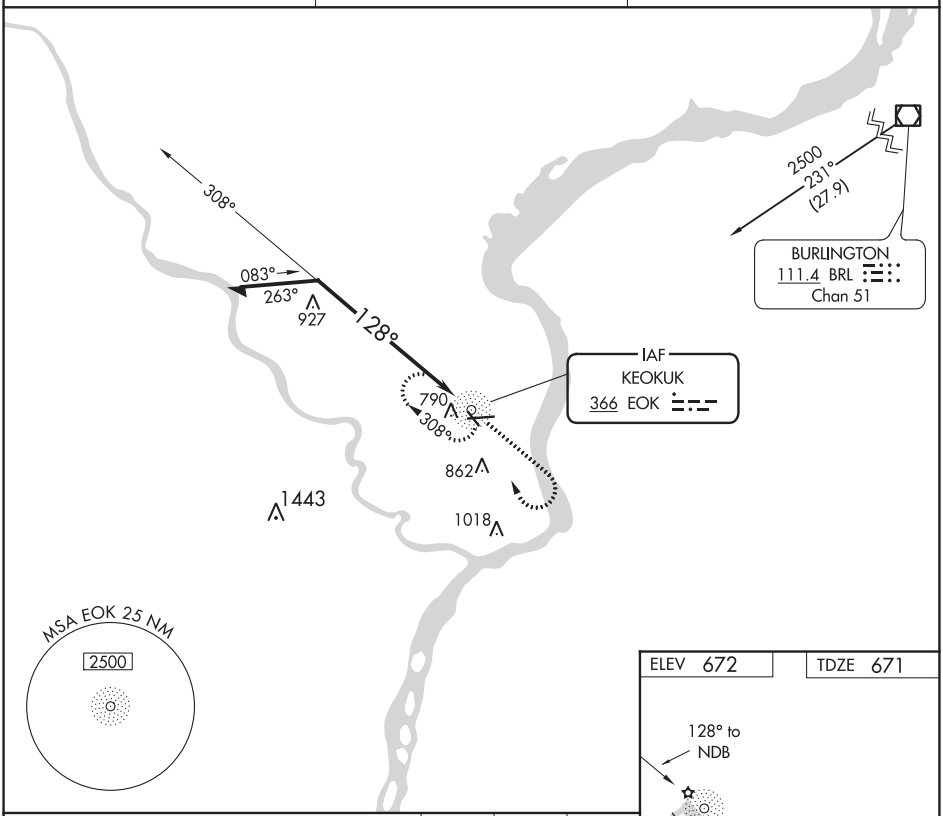
NDB EOK	APP CRS	Rwy ldg	3576
366	128°	TDZE	671
		Apt Elev	672

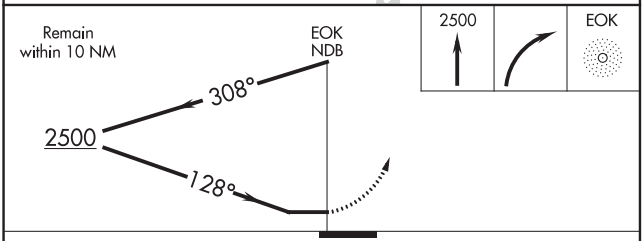
NDB RWY 14
KEOKUK MUNI (EOK)

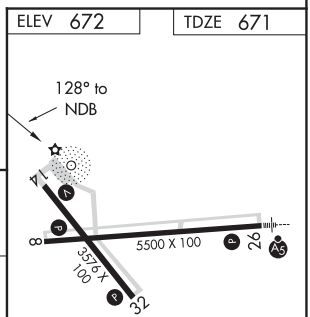
Helicopter visibility reduction below 1 SM NA. When local altimeter setting not received, use Burlington altimeter setting and increase all MDA 60 feet.
Rwy 14 Straight-in and Circling and circling to Rwy 32 NA at night.

MISSED APPROACH: Climb to 2500 then right turn direct EOK NDB and hold.

AWOS-3	KANSAS CITY CENTER	UNICOM
118.375	126.225 317.775	122.8 (CTAF) L







CATEGORY	A	B	C	D
S-14	1280-1	609 (700-1)	1280-1¾ 609 (700-1¾)	NA
CIRCLING	1280-1	608 (700-1)	1280-1¾ 608 (700-1¾)	NA

REIL Rwys 8, 14 and 32 L
MIRL Rwys 8-26 and 14-32 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

ILS or LOC/DME RWY 36

KIRKSVILLE RGNL (IRK)

LOC/DME I-IRK	APP CRS	Rwy ldg	6005
111.5	357°	TDZE	965
Chan 52		Apt Elev	966

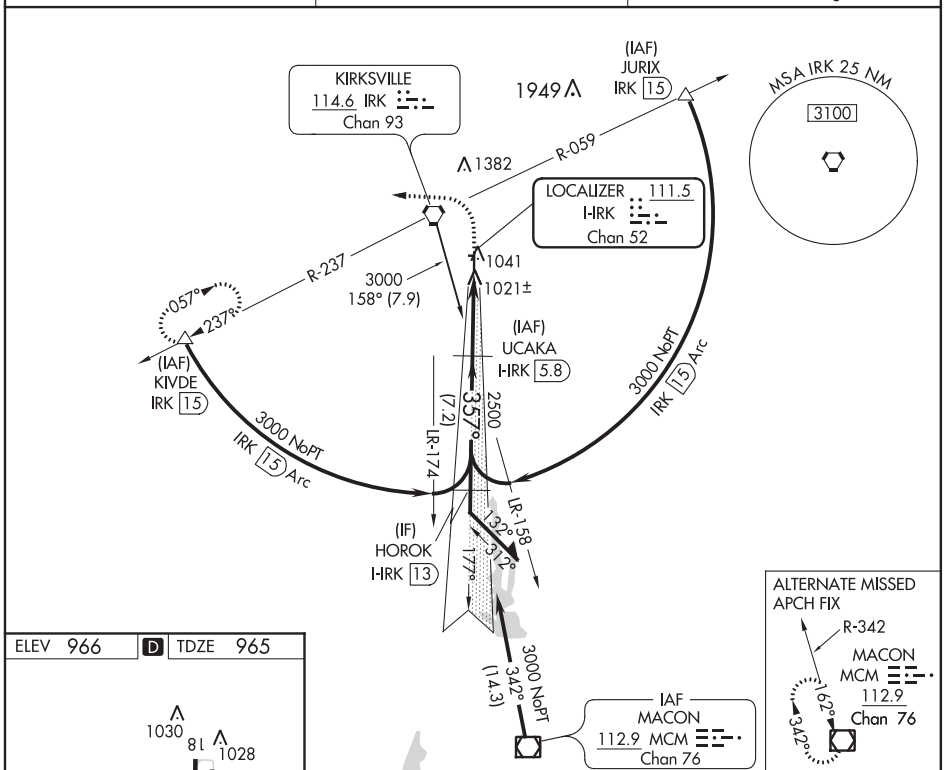
DME required.

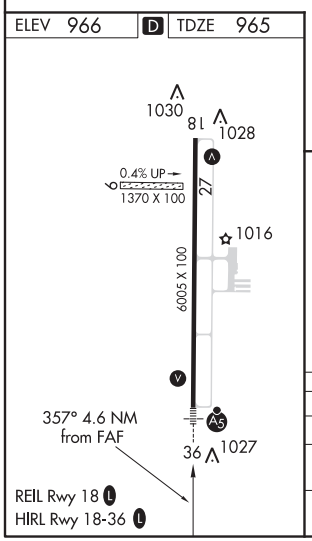
Circling NA to Rwys 9 and 27.
For inop ALS, increase S-LOC 36 Cat D visibility ¼ SM.

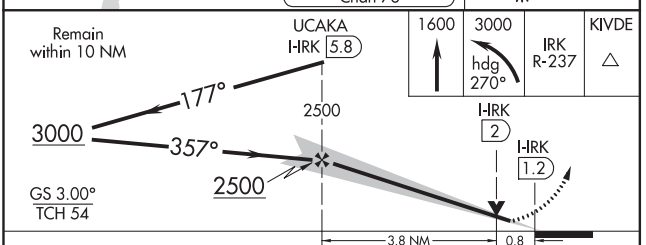
MALSR

MISSED APPROACH: Climb to 1600 then climbing left turn to 3000 via heading 270° and IRK VORTAC R-237 to KIVDE/IRK 15 DME and hold.

ASOS	KANSAS CITY CENTER	UNICOM
121.125	132.6 370.9	122.8 (CTAF) L







CATEGORY	A	B	C	D
S-ILS 36	1165-½ 200 (200-½)			
S-LOC 36	1300-½ 335 (400-½)			1300-¾ 335 (400-¾)
CIRCLING	1400-1 434 (500-1)	1420-1 454 (500-1)	1420-1½ 454 (500-1½)	1520-2 554 (600-2)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

KIRKSVILLE, MISSOURI

AL-217 (FAA)

19115

RNAV (GPS) RWY 18
KIRKSVILLE RGNL (IRK)

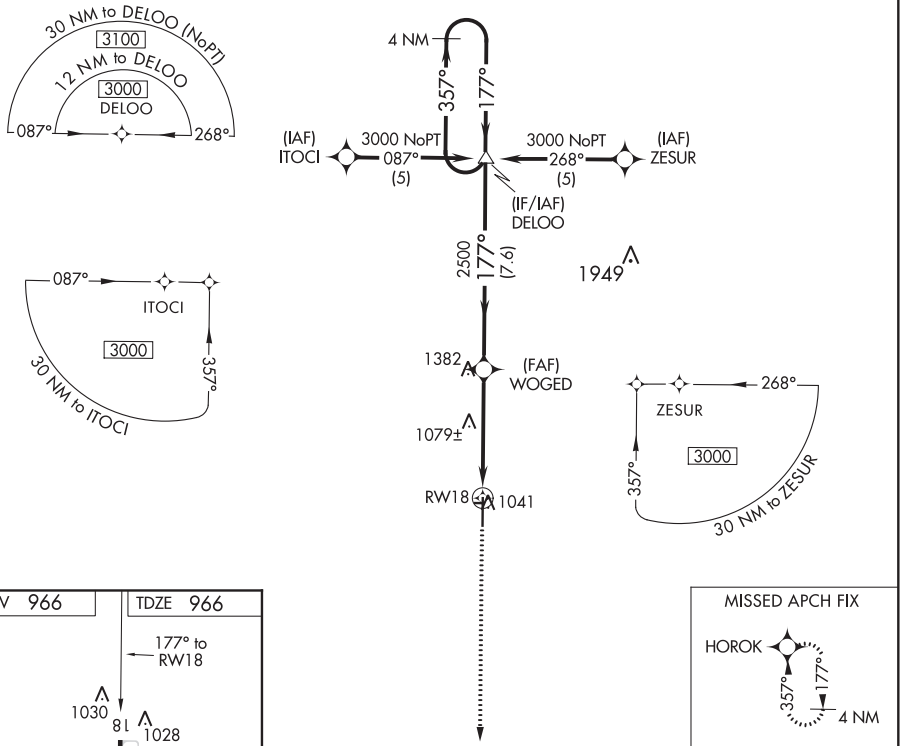
APP CRS	Rwy ldg	6005
177°	TDZE	966
	Apt Elev	966

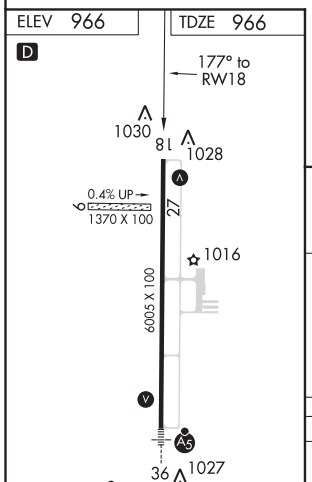
RNP APCH.

T Circling NA to Rwys 9 and 27.
Rwy 18 helicopter visibility reduction below ¾ SM NA.

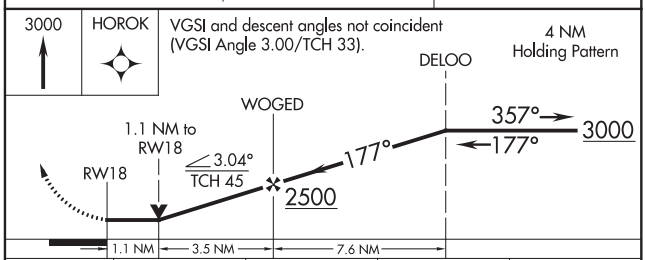
MISSED APPROACH: Climb to 3000 direct HOROK and hold.

ASOS	KANSAS CITY CENTER	UNICOM
121.125	132.6 370.9	122.8 (CTAF) L





REIL Rwy 18 L
HIRL Rwy 18-36 L



CATEGORY	A	B	C	D
LNAV MDA	1340-1 374 (400-1)			1340-1¼ 374 (400-1¼)
CIRCLING	1400-1 434 (500-1)	1420-1 454 (500-1)	1420-1½ 454 (500-1½)	1520-2 554 (600-2)

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

RNAV (GPS) RWY 36
KIRKSVILLE RGNL (IRK)

WAAS CH 70513 W36A	APP CRS 357°	Rwy ldg 6005 TDZE 965 Apt Elev 966

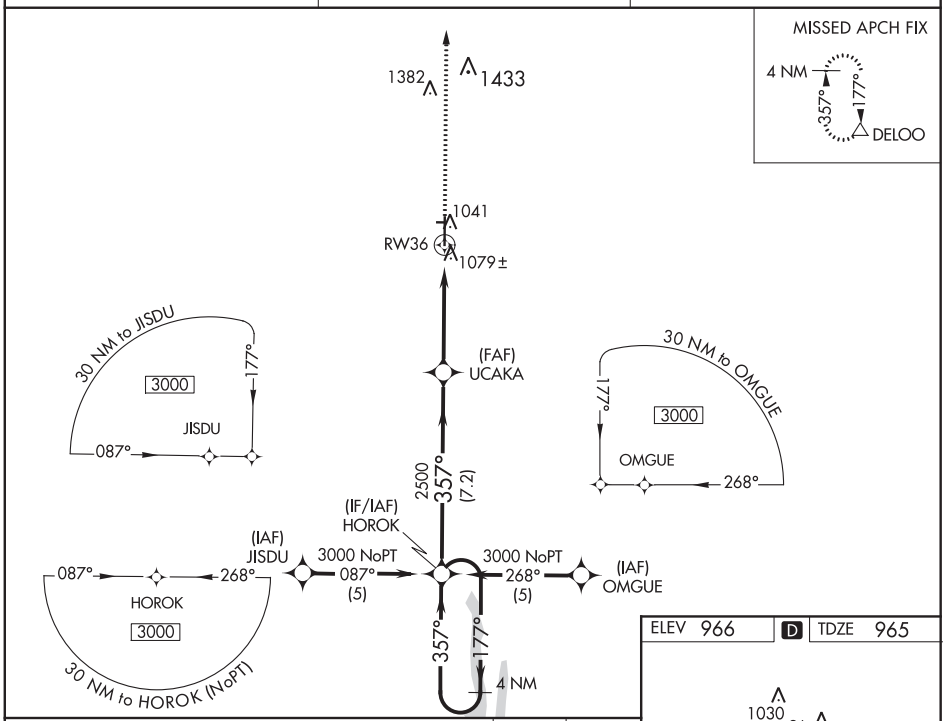
RNP APCH.

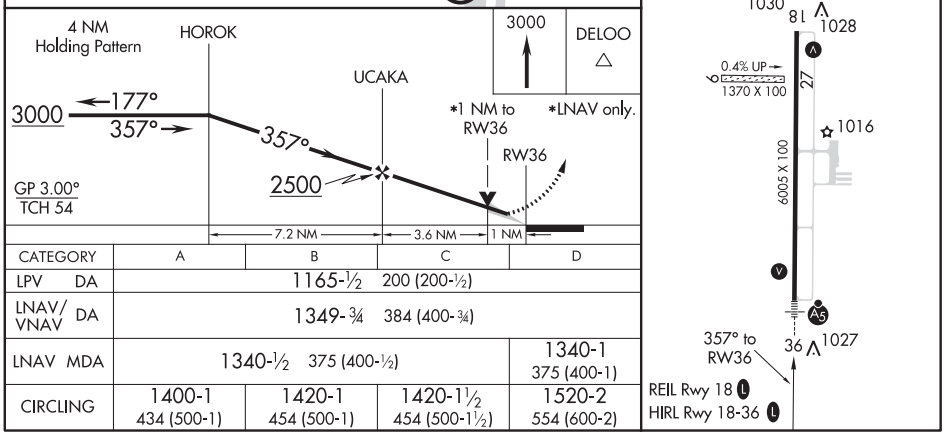
Circling NA to Rwys 9 and 27. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C or above 46°C.

MALSR

MISSED APPROACH: Climb to 3000 direct DELOO and hold.

ASOS	KANSAS CITY CENTER	UNICOM
121.125	132.6 370.9	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1165-½ 200 (200-½)			
LNAV/VNAV DA	1349-¾ 384 (400-¾)			
LNAV MDA	1340-½ 375 (400-½)			1340-1 375 (400-1)
CIRCLING	1400-1 434 (500-1)	1420-1 454 (500-1)	1420-1½ 454 (500-1½)	1520-2 554 (600-2)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

KIRKSVILLE, MISSOURI

AL-217 (FAA)

20310

VOR-A

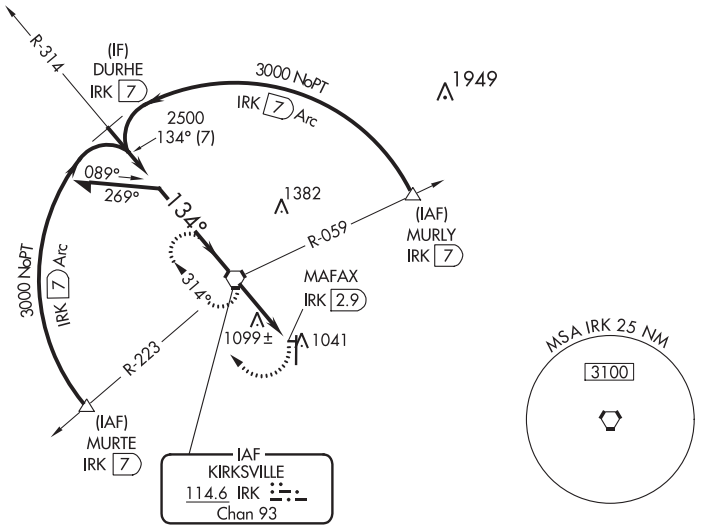
KIRKSVILLE RGNL (IRK)

VORTAC IRK	APP CRS	Rwy ldg	N/A
114.6	134°	TDZE	N/A
Chan 93		Apt Elev	966

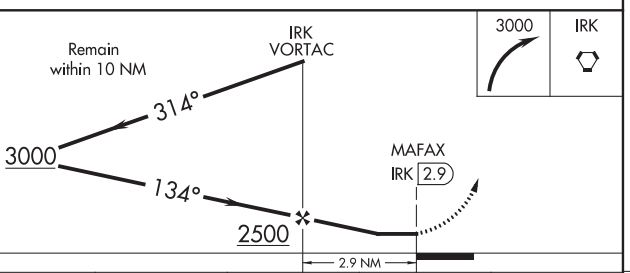
Circling NA to Rwys 9 and 27.

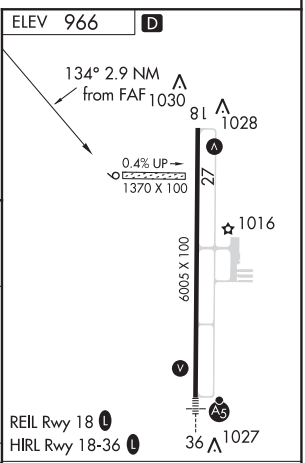
MISSED APPROACH: Climbing right turn to 3000 direct IRK VORTAC and hold, continue climb-in-hold to 3000.

ASOS	KANSAS CITY CENTER	UNICOM
121.125	132.6 370.9	122.8 (CTAF) L



NoPT for arrivals at IRK VORTAC on airway radials 259 CW 007.

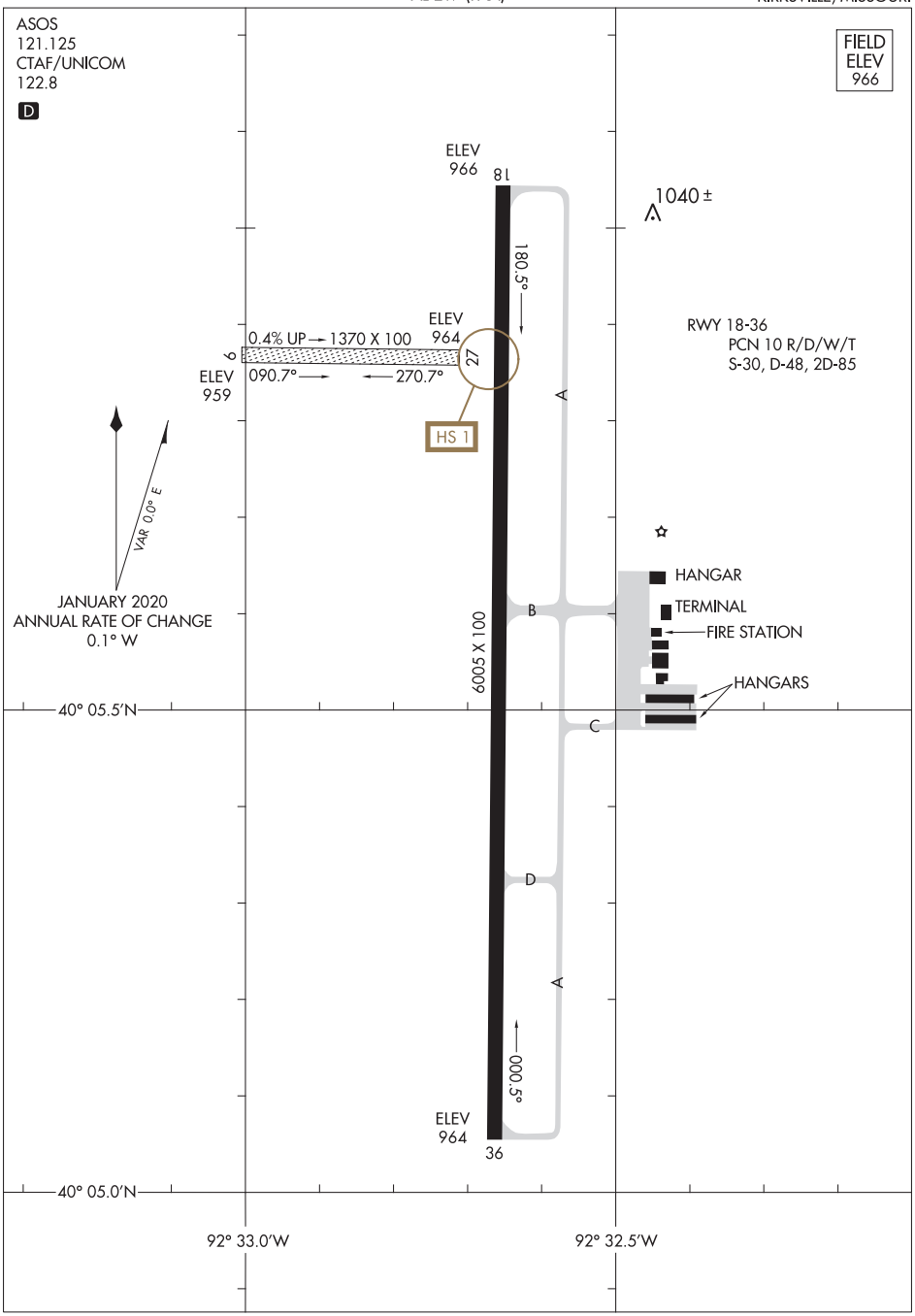




CATEGORY	A	B	C	D
CIRCLING	1400-1 434 (500-1)	1420-1 454 (500-1)	1420-1½ 454 (500-1½)	1520-2 554 (600-2)

FAF to MAP 2.9 NM					
Knots	60	90	120	150	180
Min:Sec	2:54	1:56	1:27	1:10	0:58

NC-3, 25 FEB 2021 to 22 APR 2021


ASOS
121.125
CTAF/UNICOM
122.8
D
FIELD
ELEV
966
ELEV
966
18
1040 ±
180.5°
ELEV
964
0.4% UP → 1370 X 100
9
27
ELEV
959
090.7°
270.7°
HS 1
RWY 18-36
PCN 10 R/D/W/T
S-30, D-48, 2D-85
A
VAR 0.0° E
JANUARY 2020
ANNUAL RATE OF CHANGE
0.1° W
HANGAR
TERMINAL
FIRE STATION
HANGARS
B
6005 X 100
40° 05.5'N
C
D
A
000.5°
ELEV
964
36
40° 05.0'N
92° 33.0'W
92° 32.5'W

KNOXVILLE, IOWA | AL-5741 (FAA) | 20310

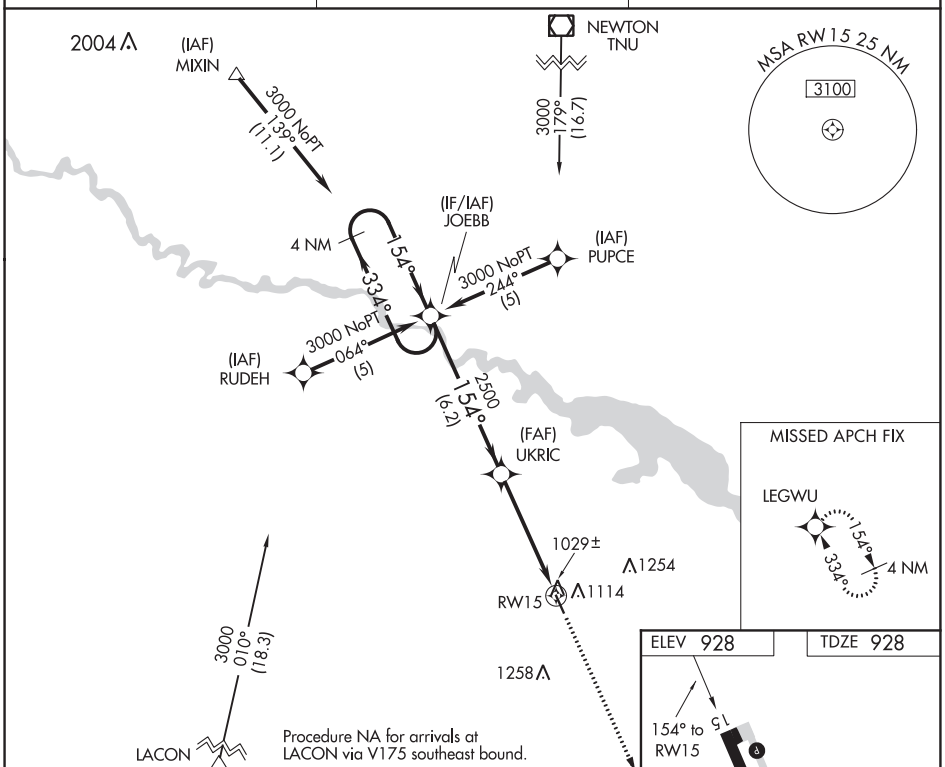
RNAV (GPS) RWY 15
KNOXVILLE MUNI (OXV)

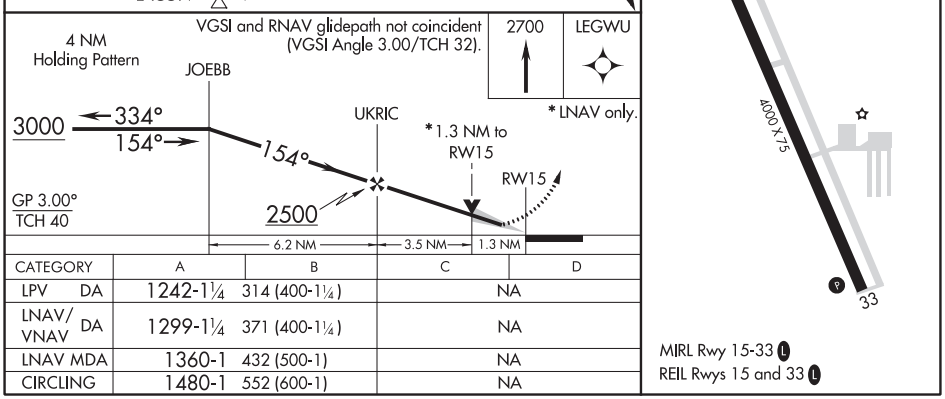
WAAS CH 40116 W15A	APP CRS 154°	Rwy ldg 4000 TDZE 928 Apt Elev 928

DME/DME RNP-0.3 NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). Baro-VNAV and VDP NA when using Pella altimeter setting. When local altimeter setting not received, use Pella altimeter setting and increase all DA 29 feet, all MDA 40 feet and LNAV/VNAV all Cats visibility ¼ mile.

MISSED APPROACH: Climb to 2700 direct LEGWU and hold.

AWOS-3	DES MOINES APP CON	UNICOM
119.775	123.9 307.15	122.8 (CTAF) L





CATEGORY		A	B	C	D
LPV	DA	1242-1¼	314 (400-1¼)	NA	
LNAV/VNAV	DA	1299-1¼	371 (400-1¼)	NA	
LNAV MDA		1360-1	432 (500-1)	NA	
CIRCLING		1480-1	552 (600-1)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021

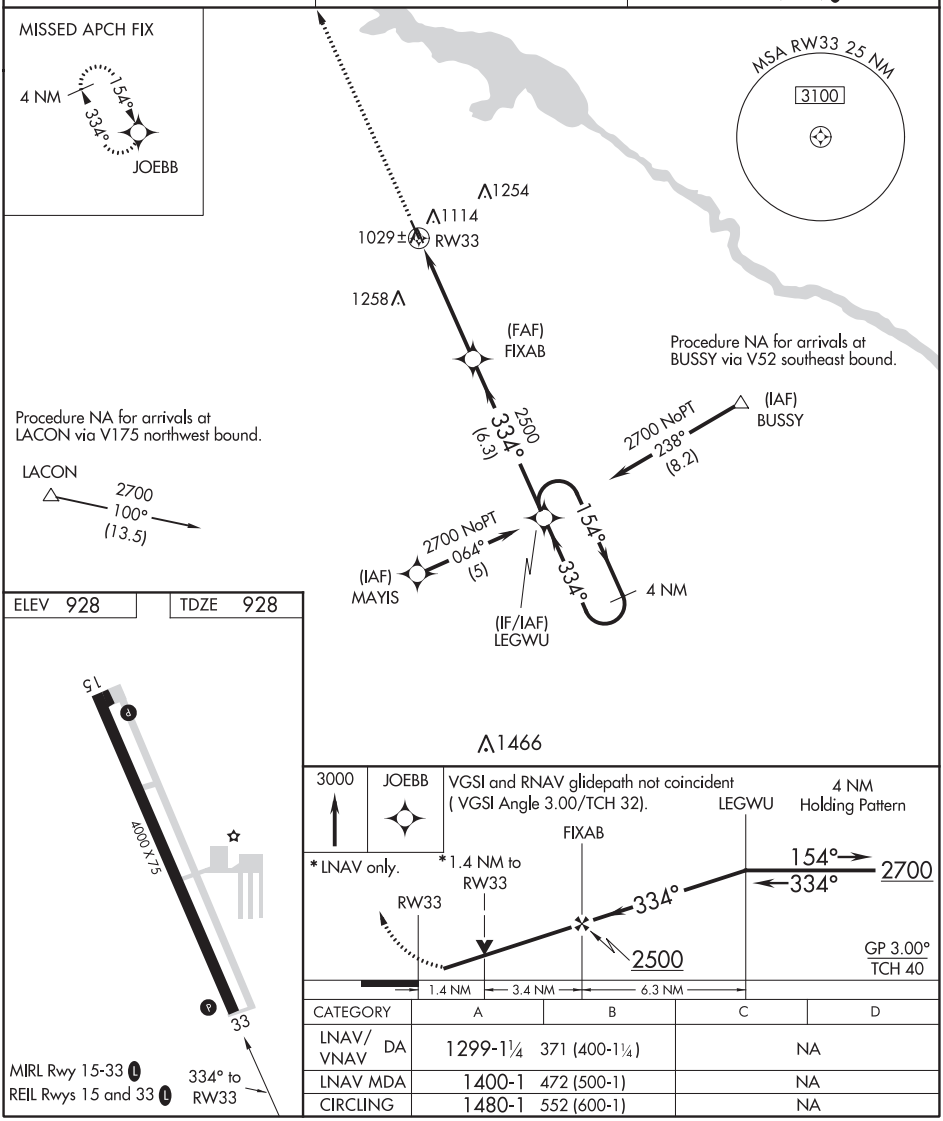
APP CRS	Rwy ldg	4000
334°	TDZE	928
	Apt Elev	928

RNAV (GPS) RWY 33
KNOXVILLE MUNI (OXV)

DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA.
Baro-VNAV and VDP NA when using Pella altimeter setting.
When local altimeter setting not received, use Pella altimeter setting and increase all DA 29 feet, all MDA 40 feet, LNAV/VNAV all Cats visibility ¼ mile.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F).

MISSED APPROACH: Climb to 3000 direct JOEBB and hold.

AWOS-3	DES MOINES APP CON	UNICOM
119.775	123.9 307.15	122.8 (CTAF) L



CATEGORY	A	B	C	D
LNAV/VNAV DA	1299-1¼ 371 (400-1¼)		NA	
LNAV MDA	1400-1 472 (500-1)		NA	
CIRCLING	1480-1 552 (600-1)		NA	

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

LAMAR, MISSOURI — AL-6725 (FAA) — 19339

WAAS CH 45536 W03A	APP CRS 031°	Rwy ldg 2900 TDZE 1007 Apt Elev 1010

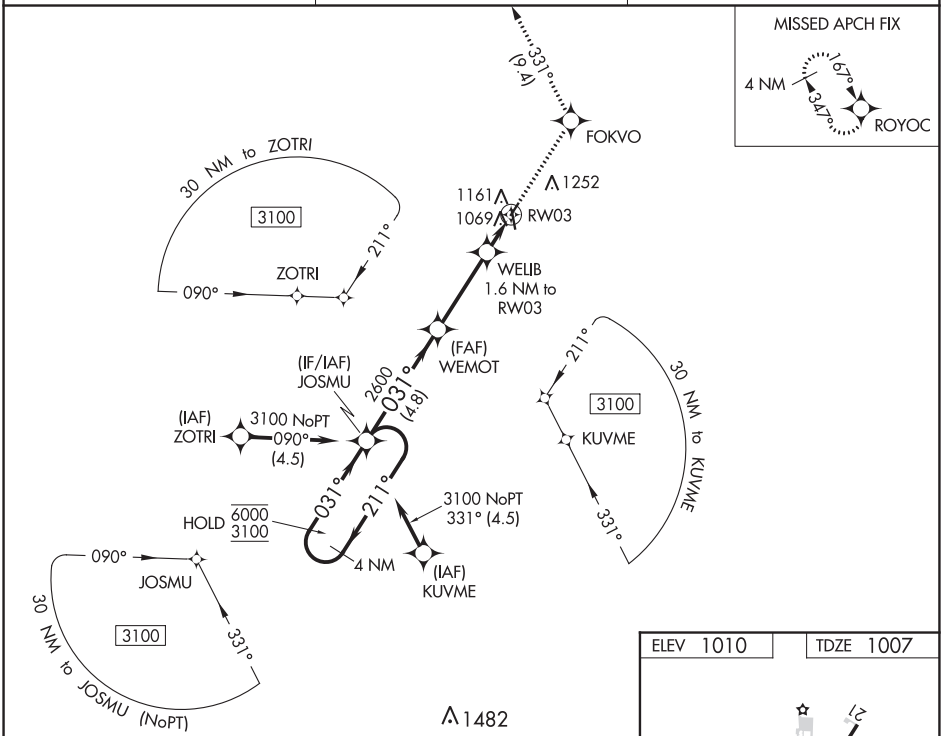
RNAV (GPS) RWY 3
LAMAR MUNI (LLU)

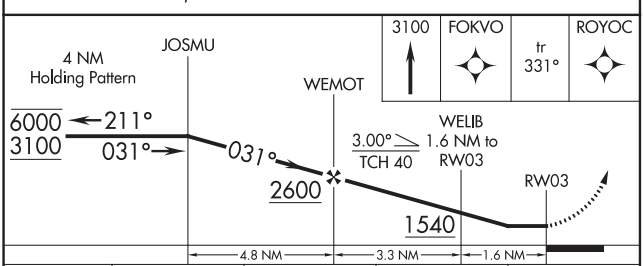
RNP APCH.

Circling Rwy 21 NA at night. Use Joplin altimeter setting. Rwy 3 helicopter visibility reduction below ¾ SM NA.

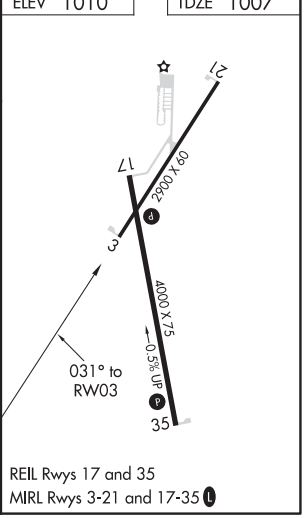
MISSED APPROACH: Climb to 3100 direct FOKVO and on track 331° to ROYOC and hold.

JLN ASOS	KANSAS CITY CENTER	CTAF
120.85	128.6 282.325	122.9 L





CATEGORY	A	B	C	D
LP MDA	1380-1 373 (400-1)		NA	
LNAV MDA	1480-1 473 (500-1)		NA	
C CIRCLING	1520-1 510 (600-1)	1620-1 610 (700-1)	NA	



REIL Rwys 17 and 35
MIRL Rwys 3-21 and 17-35 L

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 97336 W17A	APP CRS 167°	Rwy ldg 4000 TDZE 1010 Apt Elev 1010

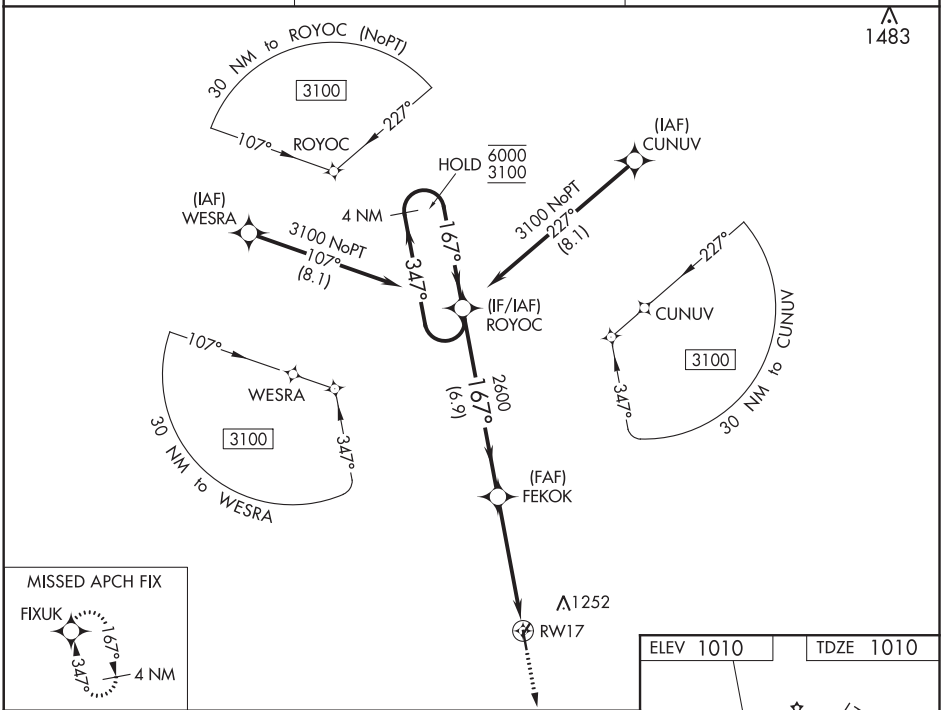
RNAV (GPS) RWY 17
LAMAR MUNI (LLU)

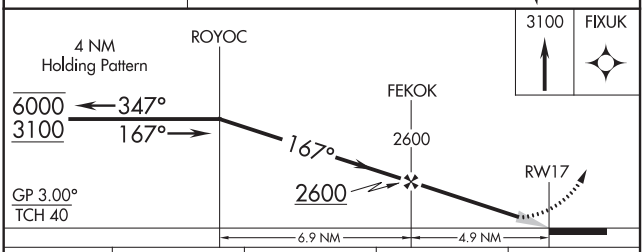
RNP APCH.

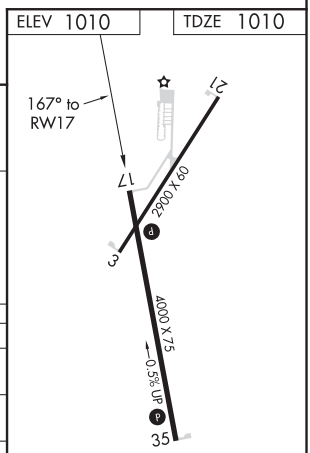
NA Circling Rwy 21 NA at night. Baro-VNAV NA. Use Joplin altimeter setting.

MISSED APPROACH: Climb to 3100 direct FIXUK and hold.

JLN ASOS	KANSAS CITY CENTER	CTAF
120.85	128.6 282.325	122.9 L







REIL Rwys 17 and 35
MIRL Rwys 3-21 and 17-35 L

CATEGORY	A	B	C	D
LPV DA	1315-1 305 (400-1)			NA
LNAV/VNAV DA	1367-1¼ 357 (400-1¼)			NA
LNAV MDA	1520-1 510 (600-1)		1520-1⅜ 510 (600-1⅜)	NA
C CIRCLING	1520-1 510 (600-1)	1620-1 610 (700-1)	1620-1¾ 610 (700-1¾)	NA

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

LAMAR, MISSOURI | AL-6725 (FAA) | 19339

RNAV (GPS) RWY 35
LAMAR MUNI (LLU)

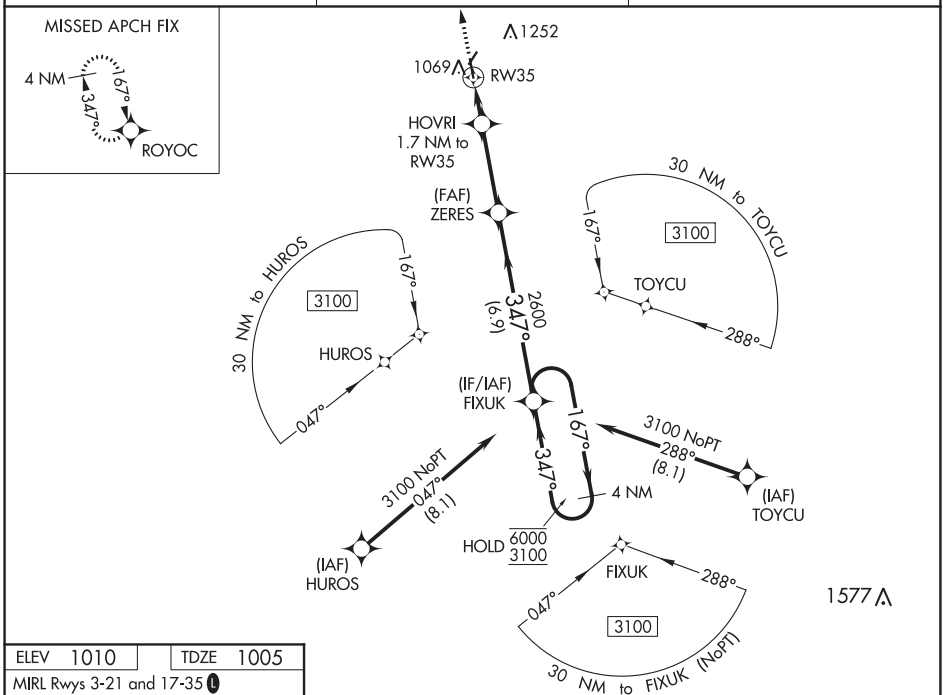
WAAS CH 77536 W35A	APP CRS 347°	Rwy ldg 4000 / TDZE 1005 / Apt Elev 1010

RNP APCH.

Rwy 35 helicopter visibility reduction below ¾ SM NA. Baro-VNAV NA. Use Joplin altimeter setting. Circling Rwy 21 NA at night.

MISSED APPROACH: Climb to 3100 direct ROYOC and hold.

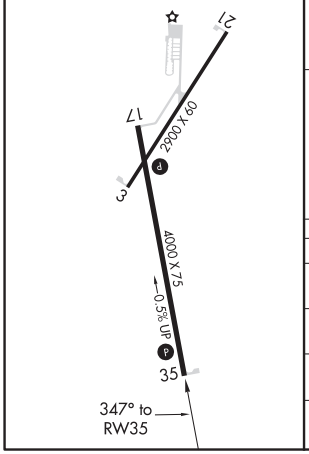
JLN ASOS	KANSAS CITY CENTER	CTAF
120.85	128.6 282.325	122.9 L

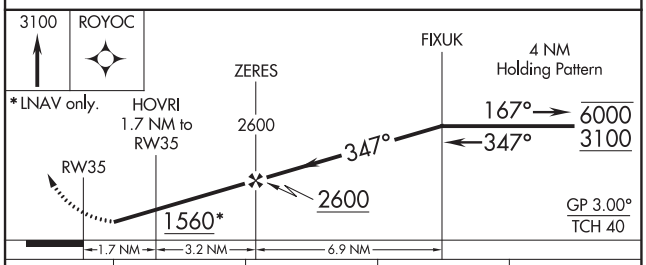


ELEV 1010 | TDZE 1005

MIRL Rwys 3-21 and 17-35 L

REIL Rwys 17 and 35





CATEGORY	A	B	C	D
LPV DA	1310-1 305 (300-1)			NA
LNAV/VNAV DA	1310-1 305 (300-1)			NA
LNAV MDA	1380-1 375 (400-1)			NA
C CIRCLING	1520-1 510 (600-1)	1620-1 610 (700-1)	1620-1¾ 610 (700-1¾)	NA

NC-3, 25 FEB 2021 to 22 APR 2021

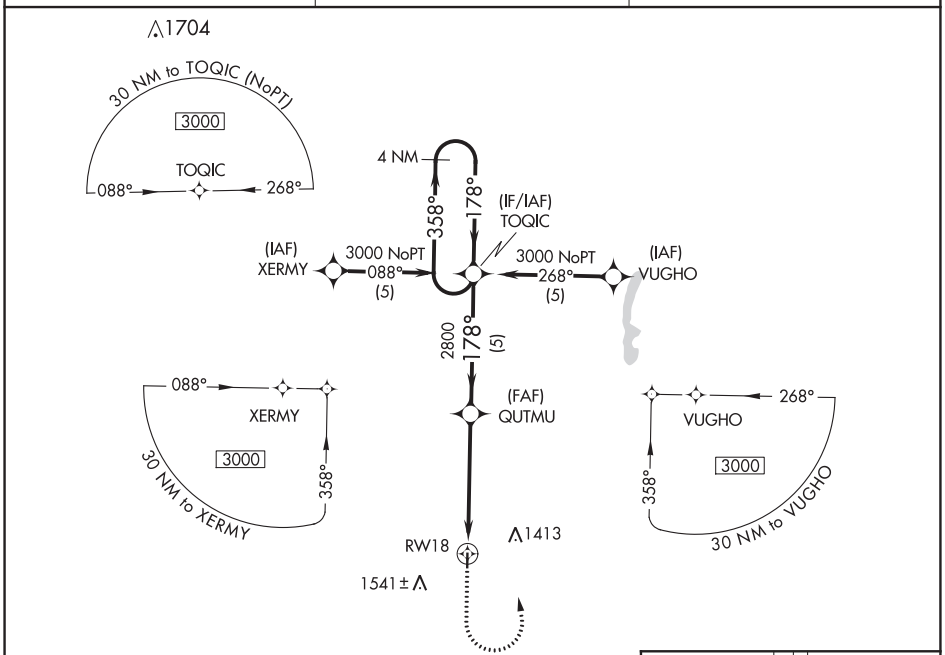
RNAV (GPS) RWY 18
LAMONI MUNI (LWD)

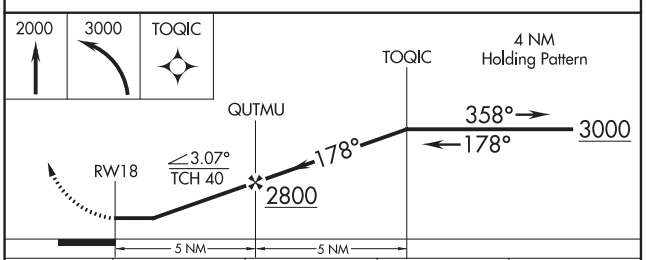
APP CRS	Rwy ldg	2900
178°	TDZE	1130
	Apt Elev	1130

NA DME/DME RNP- 0.3 NA.

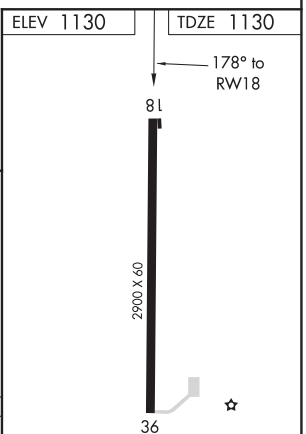
MISSED APPROACH: Climb to 2000, then climbing left turn to 3000 direct TOQIC WP and hold.

ASOS	MINNEAPOLIS CENTER	CTAF
120.0	125.65 288.1	122.9





CATEGORY	A	B	C	D
LNAV MDA	1480-1 350 (400-1)		NA	
CIRCLING	1600-1 470 (500-1)		NA	



MIRL Rwy 18-36

NC-3, 25 FEB 2021 to 22 APR 2021

LAMONI, IOWA | AL-9516 (FAA) | 18088

RNAV (GPS) RWY 36
LAMONI MUNI (LWD)

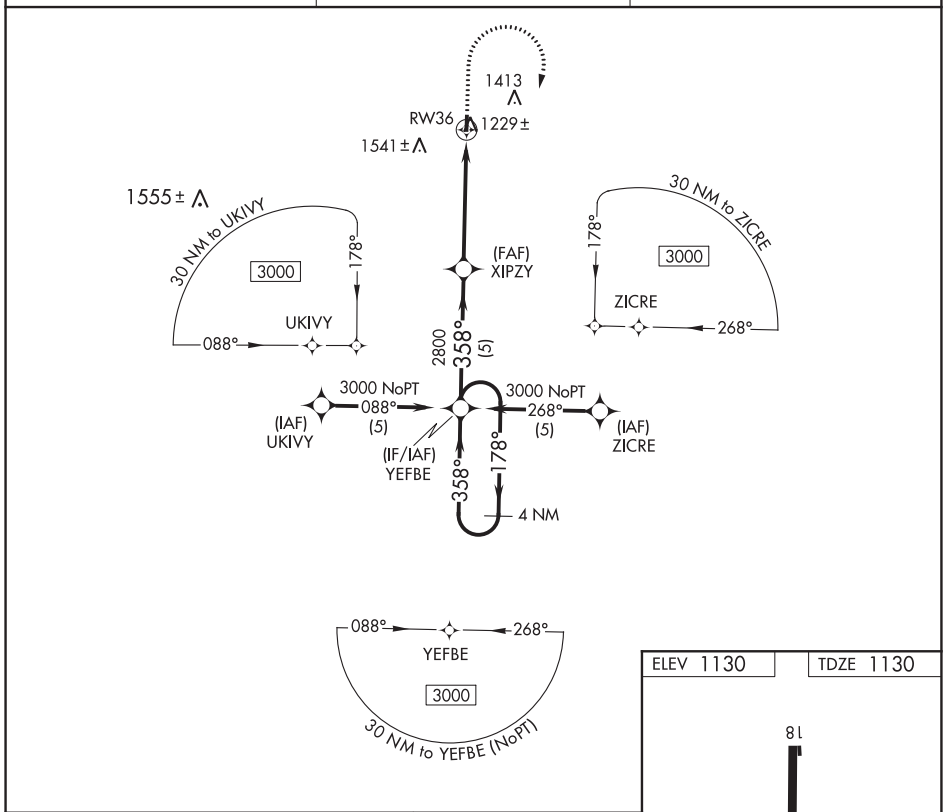
APP CRS	Rwy ldg	2900
358°	TDZE	1130
	Apt Elev	1130

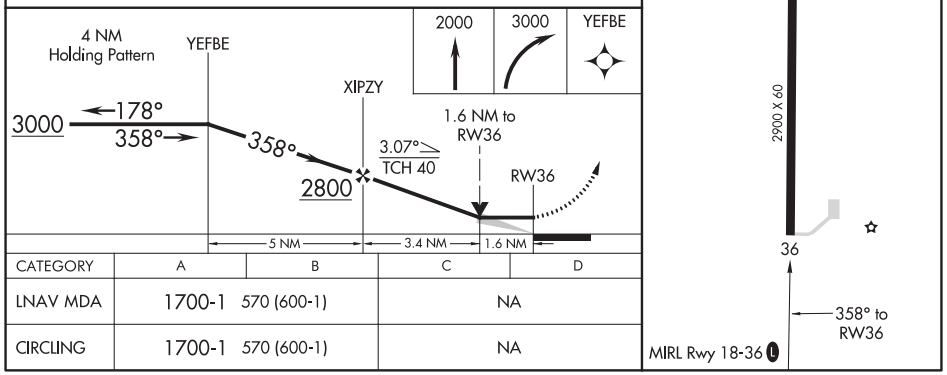
NA

DME/DME RNP- 0.3 NA.

MISSED APPROACH: Climb to 2000, then climbing right turn to 3000 direct YEFBE WP and hold.

ASOS	MINNEAPOLIS CENTER	CTAF
120.0	125.65 288.1	122.9 L





CATEGORY	A	B	C	D
LNAV MDA	1700-1 570 (600-1)		NA	
CIRCLING	1700-1 570 (600-1)		NA	

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 78415 W18A	APP CRS 185°	Rwy ldg 4756 TDZE 1197 Apt Elev 1197

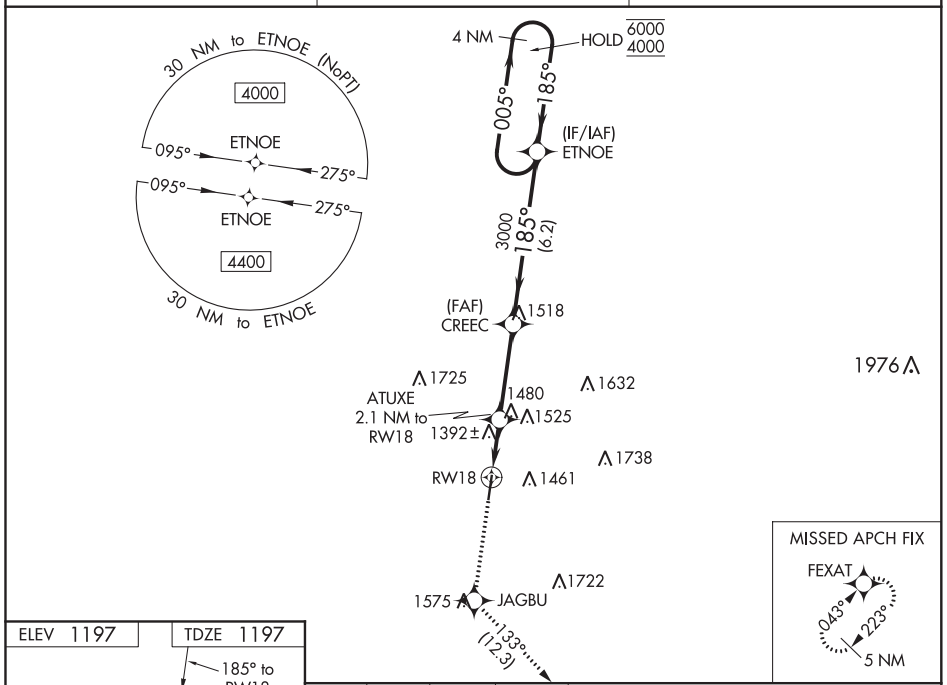
RNAV (GPS) RWY 18
LE MARS MUNI (LRJ)

RNP APCH.

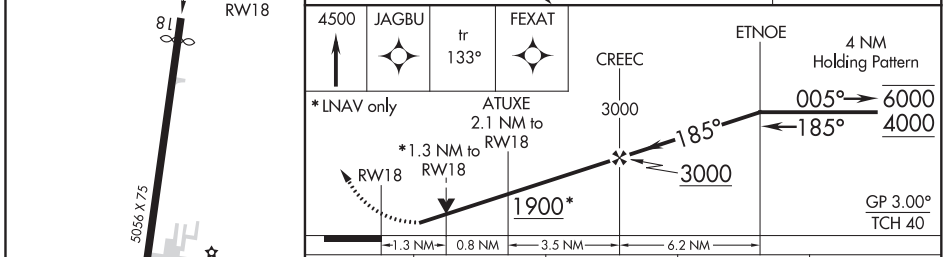
Rwy 18 helicopter visibility reduction below ¾ SM NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 54°C. -24°C

MISSED APPROACH: Climb to 4500 direct JAGBU and on track 133° to FEXAT and hold.

AWOS-3P	SIOUX CITY APP CON ★	UNICOM
120.975	124.6 307.0	122.8 (CTAF) L



ELEV 1197 TDZE 1197



MIRL Rwy 18-36 L
REIL Rwys 18 and 36 L

CATEGORY	A	B	C	D
LPV DA	1479-1 282 (300-1)			NA
LNAV/VNAV DA	1691-1⅜ 494 (500-1⅜)			NA
LNAV MDA	1660-1 463 (500-1)		1660-1⅜ 463 (500-1⅜)	NA
C CIRCLING	1760-1 563 (600-1)	1780-1 583 (600-1)	1840-1¾ 643 (700-1¾)	NA

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

LE MARS, IOWA | AL-5679 (FAA) | 20366

RNAV (GPS) RWY 36
LE MARS MUNI (LRJ)

WAAS CH 42516 W36A	APP CRS 005°	Rwy ldg 4755 TDZE 1197 Apt Elev 1197

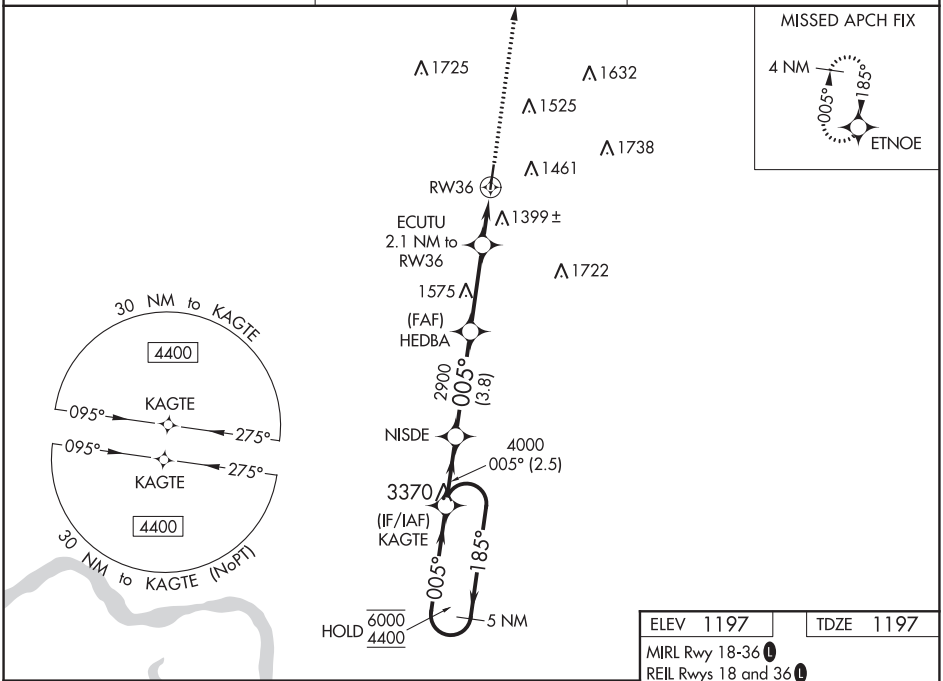
RNP APCH.

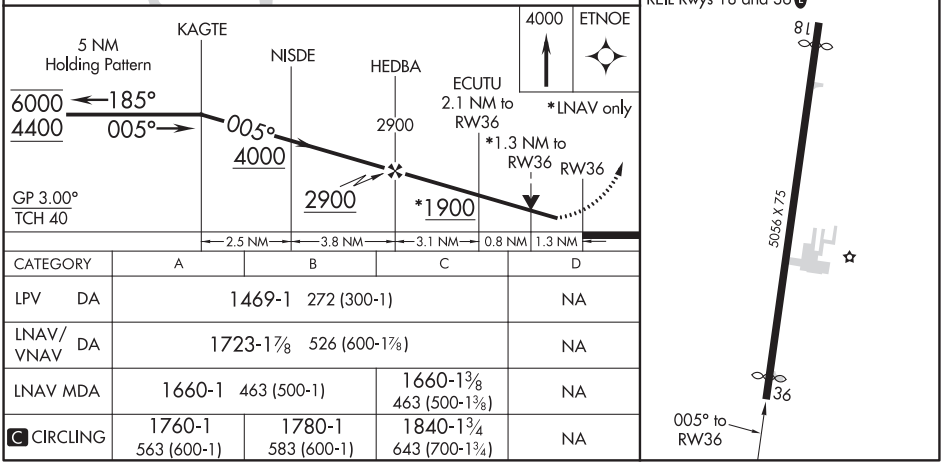
Rwy 36 helicopter visibility reduction below ¾ SM NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 54°C.

-24°C

MISSED APPROACH: Climb to 4000 direct ETNOE and hold.

AWOS-3P	SIOUX CITY APP CON ★	UNICOM
120.975	124.6 307.0	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1469-1 272 (300-1)			NA
LNAV/VNAV DA	1723-1⅞ 526 (600-1⅞)			NA
LNAV MDA	1660-1 463 (500-1)		1660-1⅜ 463 (500-1⅜)	NA
C CIRCLING	1760-1 563 (600-1)	1780-1 583 (600-1)	1840-1¾ 643 (700-1¾)	NA

ELEV 1197 | TDZE 1197

MIRL Rwy 18-36 L

REIL Rwys 18 and 36 L

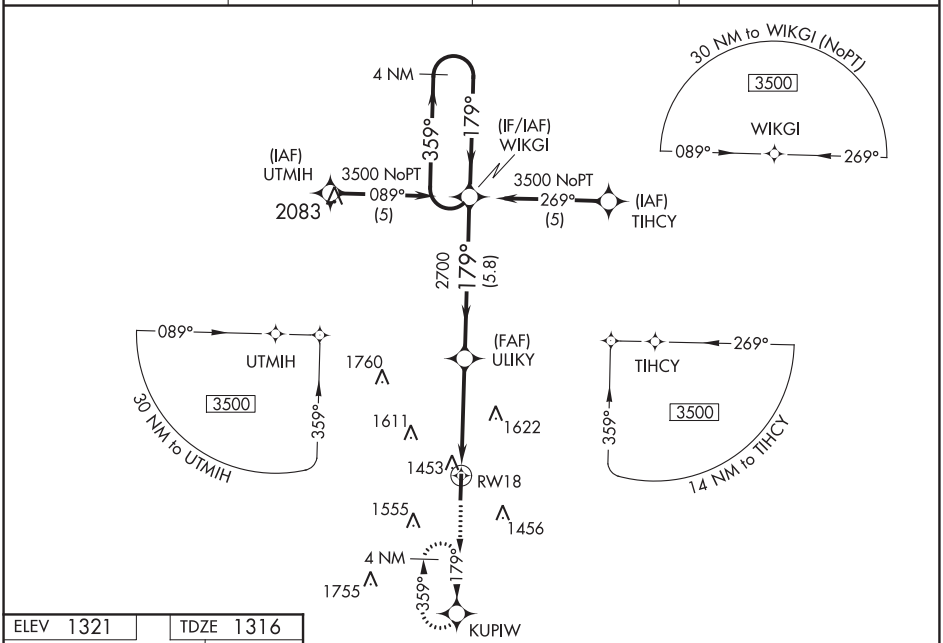
APP CRS	Rwy ldg	5000
179°	TDZE	1316
	Apt Elev	1321

RNAV (GPS) RWY 18
FLOYD W JONES LEBANON (LBO)

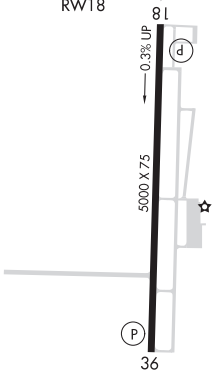
When local altimeter setting not received, use Springfield-Branson National altimeter setting and increase all DA/MDA 120 feet.
NA Baro-VNAV NA when using Springfield-Branson National altimeter setting.
Baro-VNAV NA below -17° C (1° F). DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 3500 direct KUPIW and hold.

AWOS-3PT	SPRINGFIELD APP CON	CLNC DEL	UNICOM
118.975	121.1 290.5	123.725	122.8 (CTAF) L



ELEV 1321 TDZE 1316

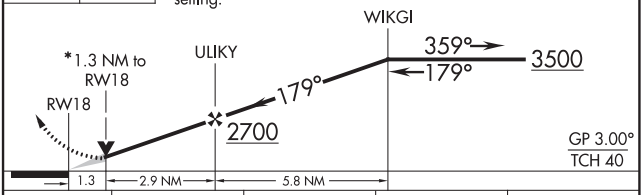


REIL Rwy 18 and 36 L
MIRL Rwy 18-36 L

3500 KUPIW VGSI and descent angles not coincident (VGSI Angle 3.00/ TCH 40).

*LNAV only, VDP NA when using Springfield-Branson National altimeter setting.

4 NM Holding Pattern



CATEGORY	A	B	C	D
GLS PA DA	NA			
LNAV/VNAV DA	1937-2¼ 621 (700-2¼)			
LNAV MDA	1760-1 444 (500-1)		1760-1¼ 444 (500-1¼)	
CIRCLING	1820-1 499 (500-1)		1820-1½ 499 (500-1½)	1980-2 659 (700-2)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

LEBANON, MISSOURI

AL-6009 (FAA)

20310

RNAV (GPS) RWY 36
FLOYD W JONES LEBANON (LBO)

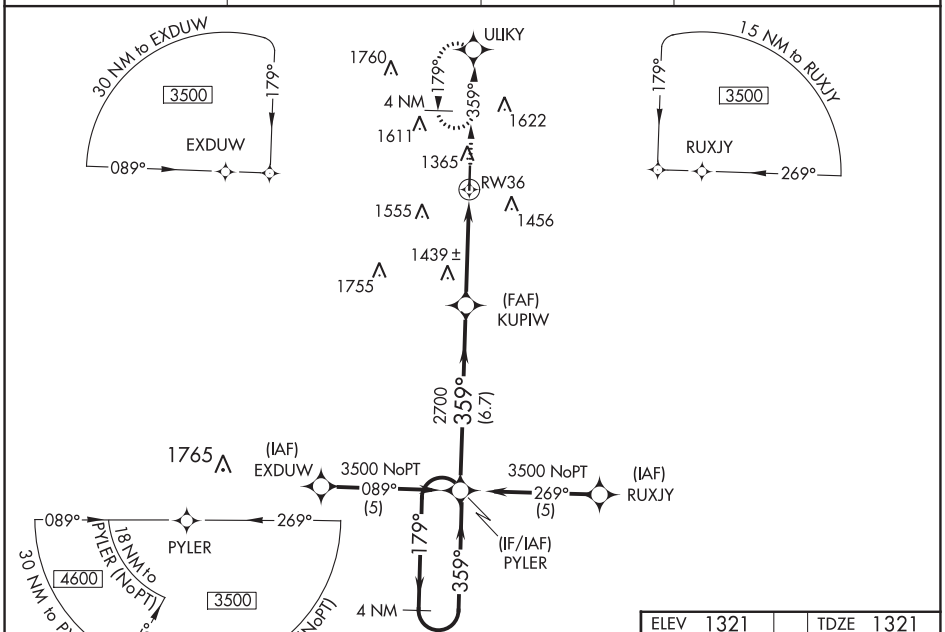
APP CRS	Rwy ldg	5000
359°	TDZE	1321
	Apt Elev	1321

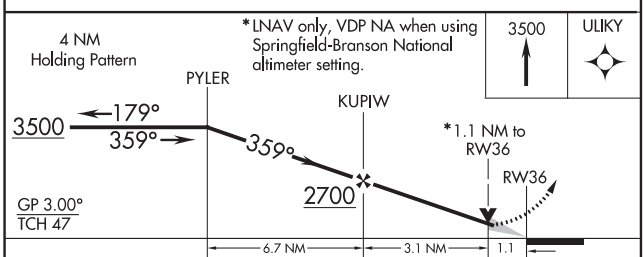
When local altimeter setting not received, use Springfield-Branson National altimeter setting and increase all DA/MDA 120 feet.

NA Baro-VNAV NA when using Springfield-Branson National altimeter setting. Baro-VNAV NA below -17° C (1° F). DME/DME RNP-0.3 NA.

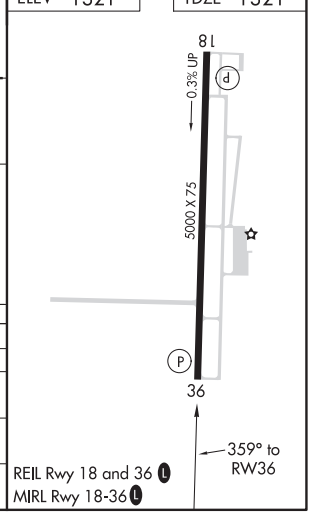
MISSED APPROACH: Climb to 3500 direct ULIKY and hold.

AWOS-3PT	SPRINGFIELD APP CON	CLNC DEL	UNICOM
118.975	121.1 290.5	123.725	122.8 (CTAF) L





CATEGORY	A	B	C	D
GLS PA DA	NA			
LNAV/VNAV DA	1680-1¼ 359 (400-1¼)			
LNAV MDA	1700-1 379 (400-1)			1700-1¼ 379 (400-1¼)
CIRCLING	1820-1 499 (500-1)		1820-1½ 499 (500-1½)	1980-2 659 (700-2)



LEBANON, MISSOURI
Orig-B 05JUN08

37°39′N-92°39′W

FLOYD W JONES LEBANON (LBO)
RNAV (GPS) RWY 36

NC-3, 25 FEB 2021 to 22 APR 2021

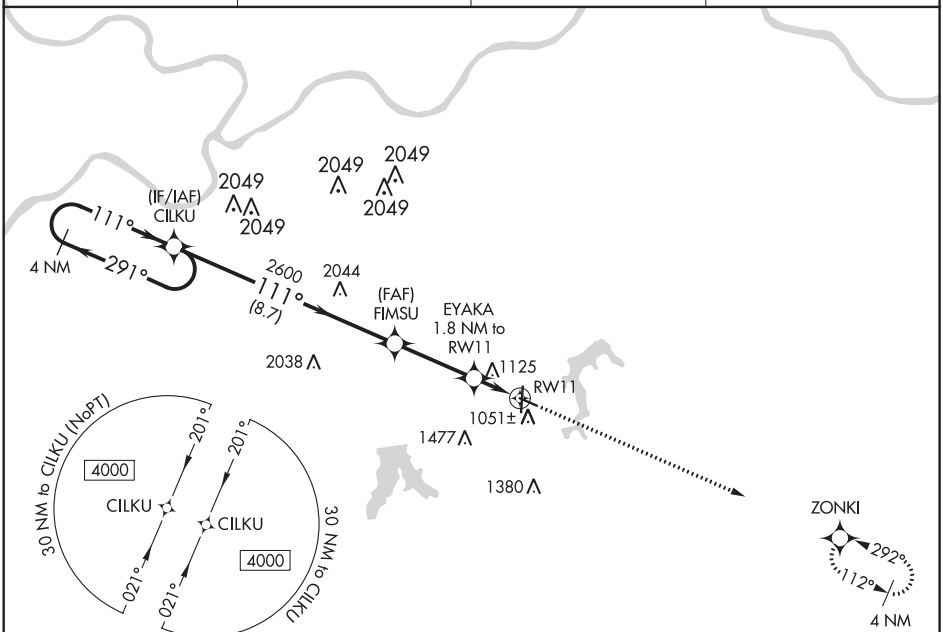
WAAS CH 99405 W11A	APP CRS 111°	Rwy ldg 4000 TDZE 1004 Apt Elev 1004

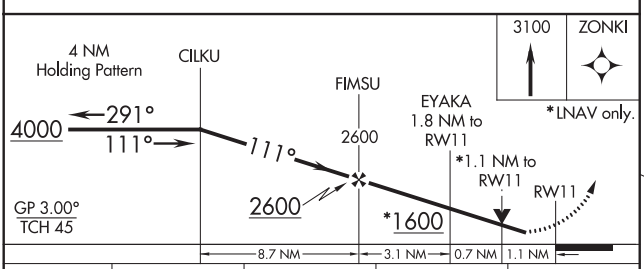
RNAV (GPS) RWY 11
LEE'S SUMMIT MUNI (LXT)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). Rwy 11 helicopter visibility reduction below ¾ SM NA. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 3100 direct ZONKI and hold.

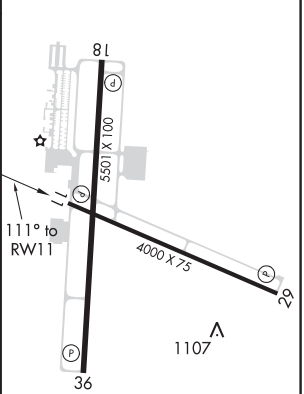
ASOS	KANSAS CITY APP CON	CLNC DEL	UNICOM
124.175	118.4 307.35	118.45	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1254-⅞ 250 (300-⅞)			
LNAV/VNAV DA	1381-1¼ 377 (400-1¼)			
LNAV MDA	1380-1 376 (400-1)			
C CIRCLING	1440-1 436 (500-1)	1540-1 536 (600-1)	1780-2¼ 776 (800-2¼)	1780-2½ 776 (800-2½)

ELEV 1004 TDZE 1004



REIL Rwys 11, 18, 29 and 36 L
MIRL Rwys 11-29 and 18-36 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

LEE'S SUMMIT, MISSOURI | AL-6104 (FAA) | 20142

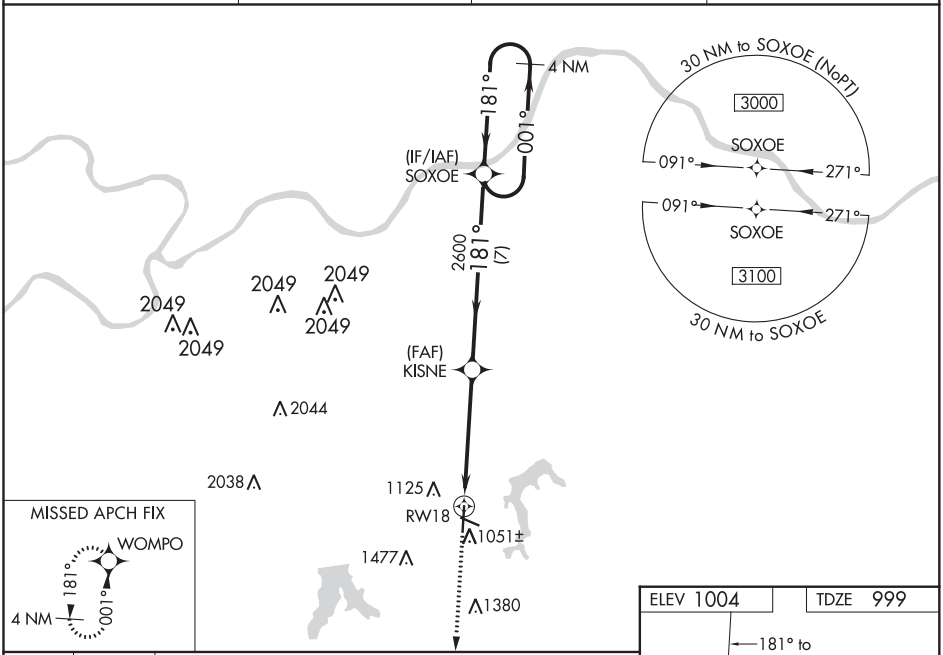
WAAS CH 82204 W18A	APP CRS 181°	Rwy ldg 5501 TDZE 999 Apt Elev 1004

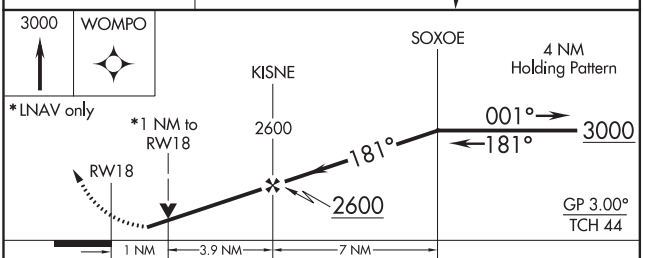
RNAV (GPS) RWY 18
LEE'S SUMMIT MUNI (LXT)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). Rwy 18 helicopter visibility reduction below ¾ SM NA. DME/DME RNP-0.3 NA. Baro-VNAV and VDP NA when using Charles B. Wheeler Downtown altimeter setting. When local altimeter setting not received, use Charles B. Wheeler Downtown altimeter setting: increase LPV DA to 1317 feet and all visibilities ⅛ SM; increase LNAV/VNAV DA to 1434 feet and all visibilities ¼ SM; increase all MDA 80 feet and LNAV visibility Cat C and D ⅜ SM, Circling Cats C and D ¼ SM.

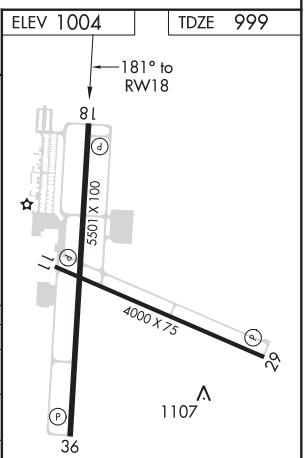
MISSED APPROACH: Climb to 3000 direct WOMPO and hold.

ASOS	KANSAS CITY APP CON	CLNC DEL	UNICOM
124.175	118.4 307.35	118.45	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1249-¾ 250 (300-¾)			
LNAV/VNAV DA	1366-1 367 (400-1)			
LNAV MDA	1360-1 361 (400-1)			
C CIRCLING	1440-1 436 (500-1)	1540-1 536 (600-1)	1780-2¼ 776 (800-2¼)	1780-2½ 776 (800-2½)



REIL Rwys 11, 18, 29 and 36 L
MIRL Rwys 11-29 and 18-36 L

NC-3, 25 FEB 2021 to 22 APR 2021

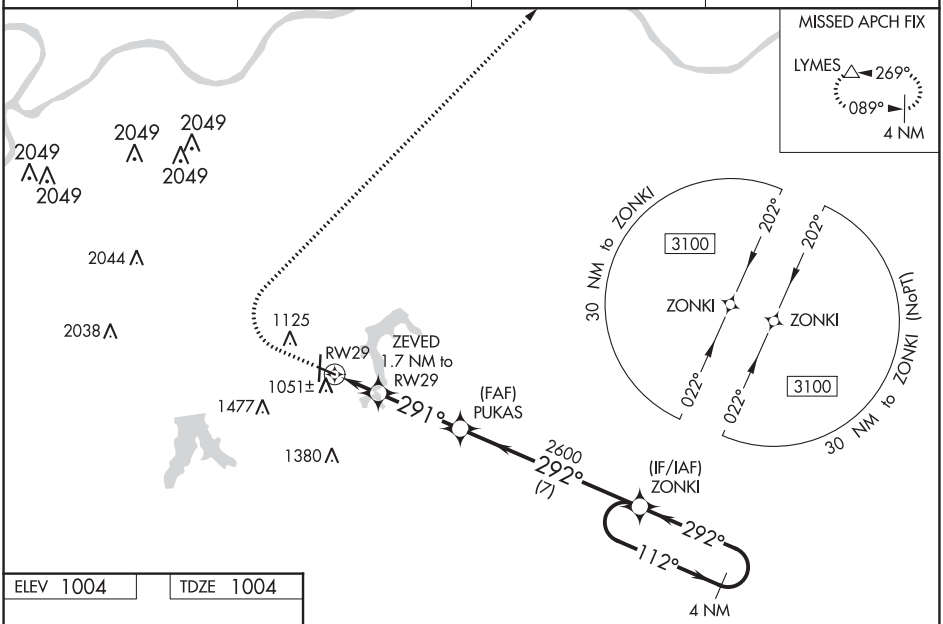
WAAS CH 48905 W29A	APP CRS 291°	Rwy ldg 4000 TDZE 1004 Apt Elev 1004

RNAV (GPS) RWY 29
LEE'S SUMMIT MUNI (LXT)

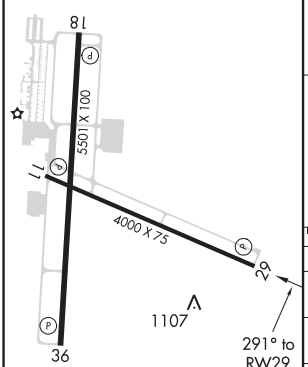
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. VDP and Baro-VNAV NA when using Charles B. Wheeler Downtown altimeter setting. When local altimeter setting not received, use Charles B. Wheeler Downtown altimeter setting: increase LPV DA to 1322 feet and all visibilities ⅛ SM; increase LNAV/VNAV DA to 1359 feet and all visibilities ⅛ SM; increase all MDA 80 feet and visibility Cats C and D ¼ SM.

MISSED APPROACH: Climb to 1500 then climbing right turn to 3000 direct LYMES and hold.

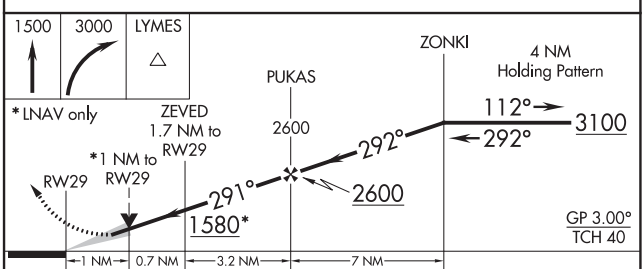
ASOS	KANSAS CITY APP CON	CLNC DEL	UNICOM
124.175	118.4 307.35	118.45	122.8 (CTAF) L



ELEV 1004 TDZE 1004



REIL Rwys 11, 18, 29 and 36 L
MIRL Rwys 11-29 and 18-36 L



CATEGORY	A	B	C	D
LPV DA	1254-¾ 250 (300-¾)			
LNAV/VNAV DA	1291-⅞ 287 (300-⅞)			
LNAV MDA	1360-1 356 (400-1)			
C CIRCLING	1440-1 436 (500-1)	1540-1 536 (600-1)	1780-2¼ 776 (800-2¼)	1780-2½ 776 (800-2½)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

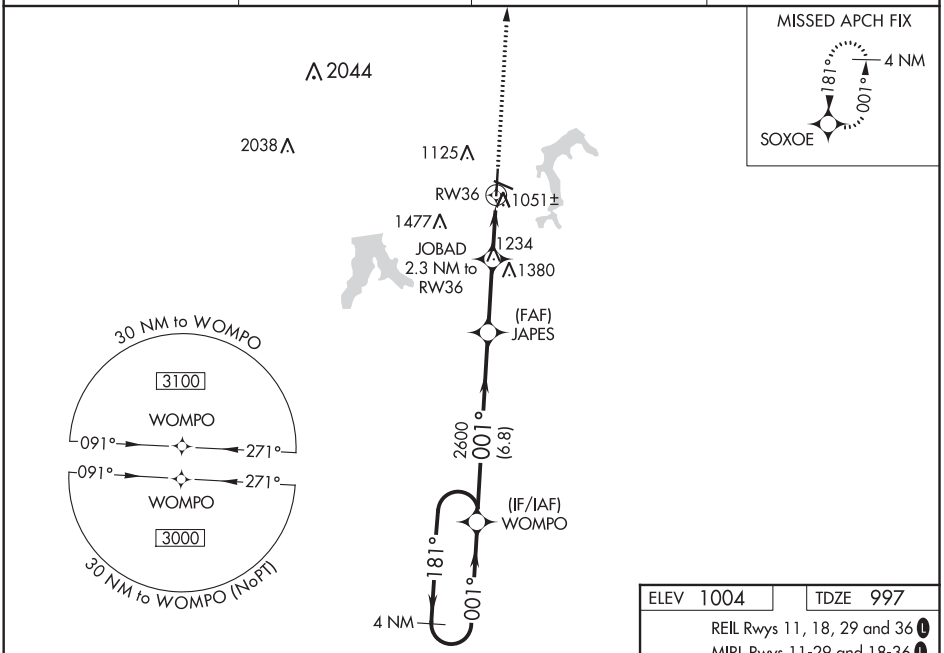
WAAS CH 48805 W36A	APP CRS 001°	Rwy ldg 5501 TDZE 997 Apt Elev 1004

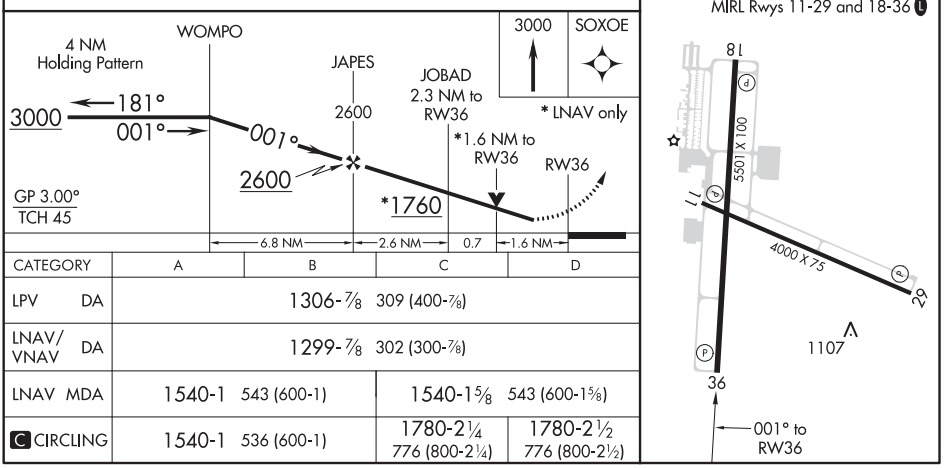
RNAV (GPS) RWY 36
LEE'S SUMMIT MUNI (LXT)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). Rwy 36 helicopter visibility reduction below ¾ SM NA. DME/DME RNP-0.3 NA. VDP and Baro-VNAV NA when using Charles B. Wheeler Downtown altimeter setting. When local altimeter setting not received, use Charles B. Wheeler Downtown altimeter setting: increase LPV DA to 1374 feet and all visibilities ⅛ SM; increase LNAV/VNAV to 1367 feet and all visibilities ⅛ SM; increase all MDA 80 feet and LNAV visibility Cats C and D ⅛ SM, Circling Cats C and D ¼ SM.

MISSED APPROACH: Climb to 3000 direct SOXOE and hold.

ASOS	KANSAS CITY APP CON	CLNC DEL	UNICOM
124.175	118.4 307.35	118.45	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1306-⅞ 309 (400-⅞)			
LNAV/VNAV DA	1299-⅞ 302 (300-⅞)			
LNAV MDA	1540-1 543 (600-1)		1540-1⅝ 543 (600-1⅝)	
C CIRCLING	1540-1 536 (600-1)		1780-2¼ 776 (800-2¼)	1780-2½ 776 (800-2½)

NC-3, 25 FEB 2021 to 22 APR 2021

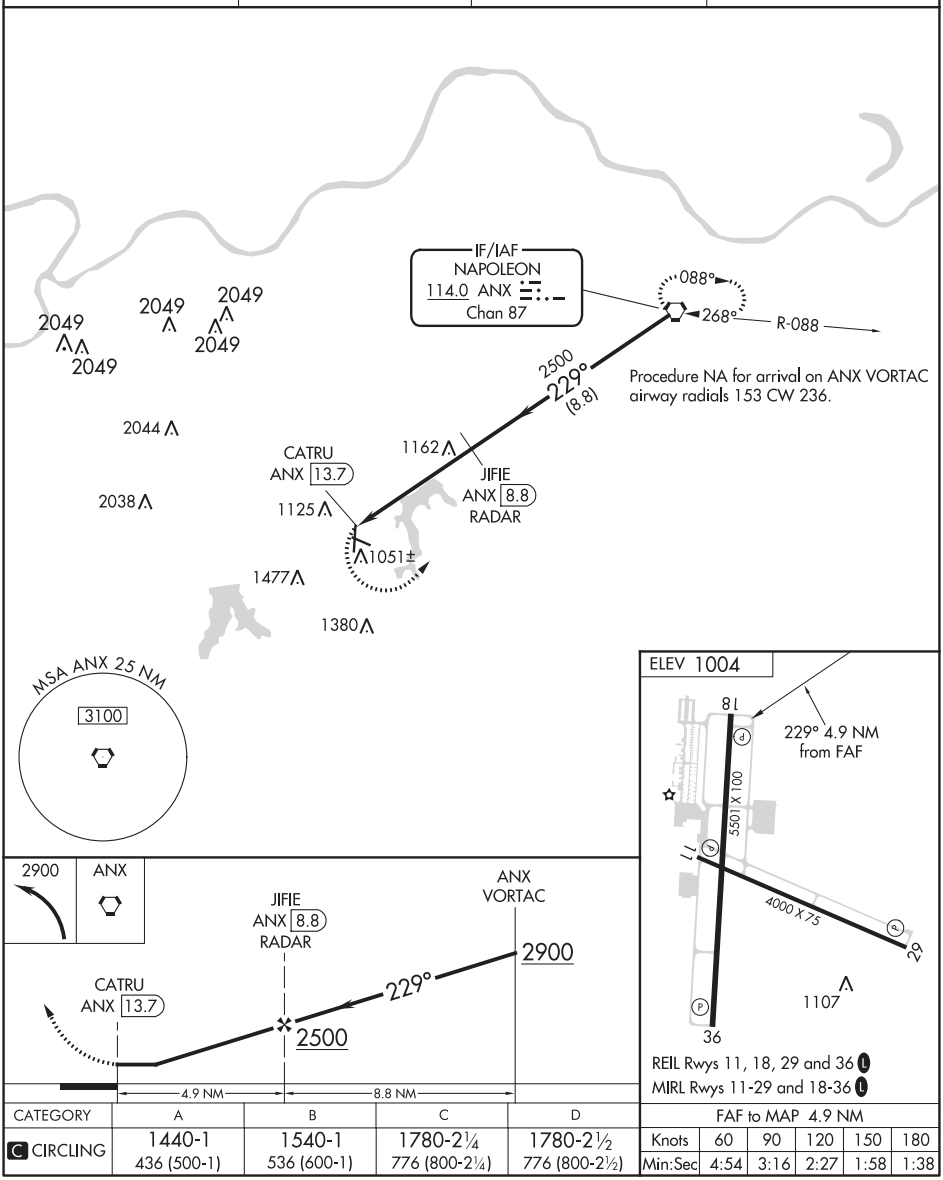
VORTAC ANX	APP CRS	Rwy ldg	N/A
114.0	229°	TDZE	N/A
Chan 87		Apt Elev	1004

VOR-A
LEE'S SUMMIT MUNI (LXT)

DME or RADAR required. When local altimeter setting not received, use Charles B. Wheeler Downtown altimeter setting and increase all MDA 80 feet, and Cat C and D visibility ¼ mile.

MISSED APPROACH: Climbing left turn to 2900 direct ANX VORTAC and hold.

ASOS	KANSAS CITY APP CON	CLNC DEL	UNICOM
124.175	118.4 307.35	118.45	122.8 (CTAF) L



CATEGORY	A	B	C	D
C CIRCLING	1440-1 436 (500-1)	1540-1 536 (600-1)	1780-2¼ 776 (800-2¼)	1780-2½ 776 (800-2½)

FAF to MAP 4.9 NM					
Knots	60	90	120	150	180
Min:Sec	4:54	3:16	2:27	1:58	1:38

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

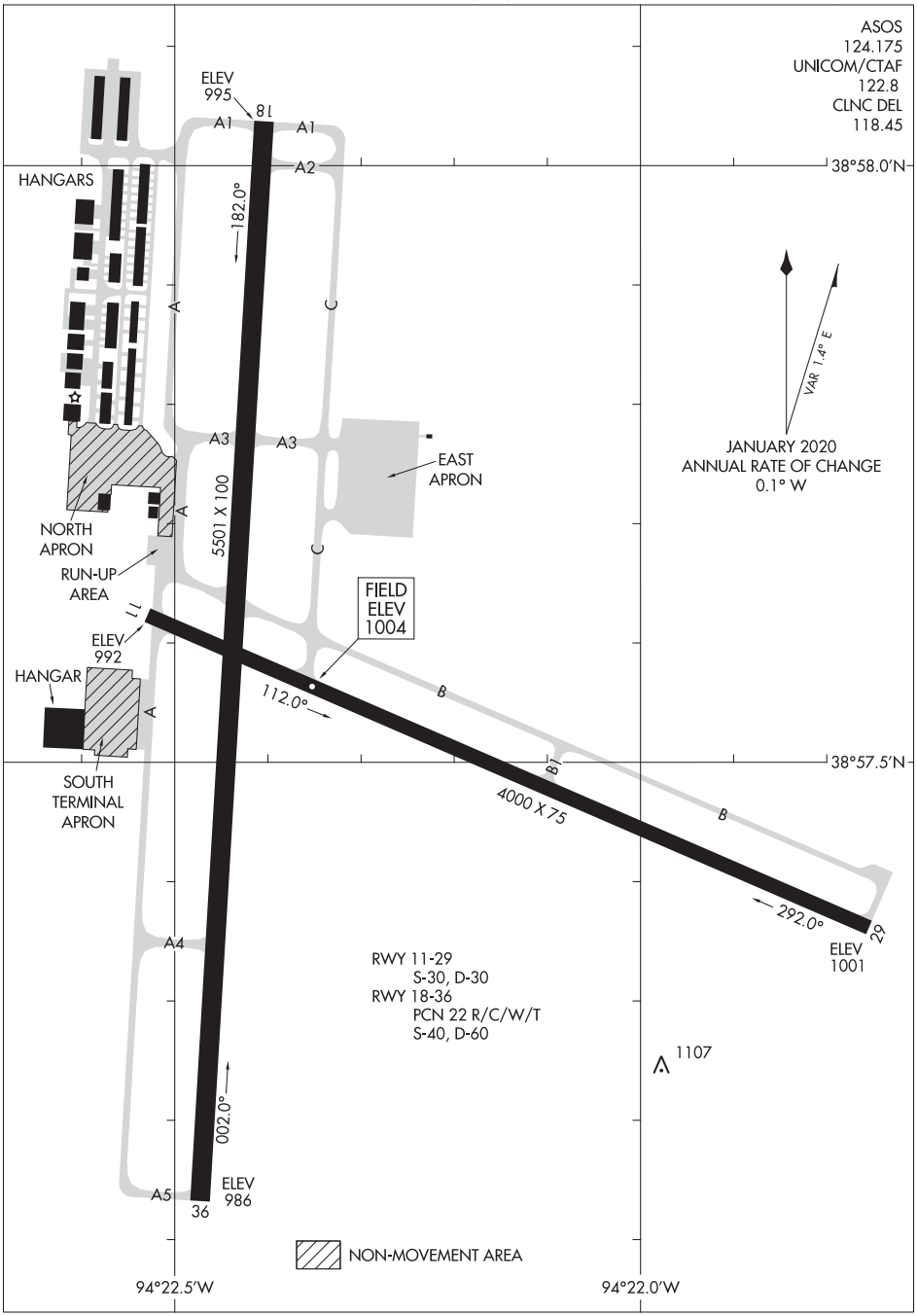
20198

AIRPORT DIAGRAM

AL-6104 (FAA)

LEE'S SUMMIT MUNI (LXT)

LEE'S SUMMIT, MISSOURI

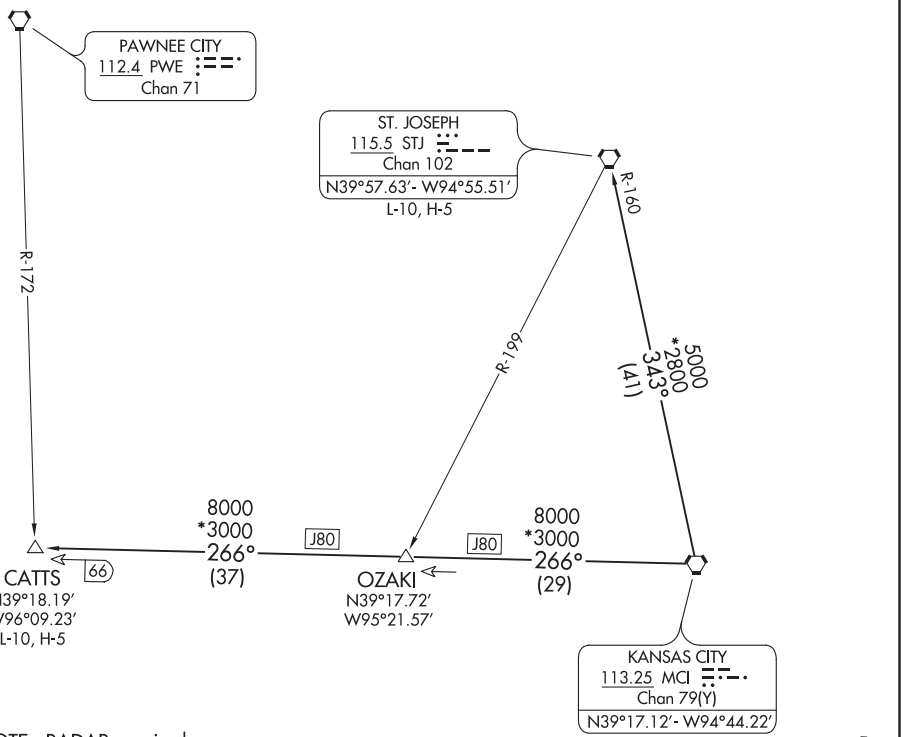


NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

AIRPORT DIAGRAM
20198
LEE'S SUMMIT, MISSOURI
LEE'S SUMMIT MUNI (LXT)

CLNC DEL
118.45
KANSAS CITY DEP CON
118.4 307.35



NOTE: RADAR required.

TAKEOFF MINIMUMS

Rwys 11, 18, 29, 36: Standard.

NOTE: Chart not to scale

DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: Climb on assigned heading for RADAR vectors to appropriate route. Expect filed altitude 10 minutes after departure.

CATTS TRANSITION (CHIEF7.CATTS): From over MCI VORTAC on MCI R-266 to CATTS INT.

ST. JOSEPH TRANSITION (CHIEF7.STJ): From over MCI VORTAC on MCI R-343 and STJ R-160 to STJ VORTAC.

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

CLNC DEL
118.45
KANSAS CITY DEP CON
118.4 307.35

KANSAS CITY
113.25 MCI
Chan 79(Y)
N39°17.12′-W94°44.22′

BLUZY
N39°23.16′
W93°57.17′

15000
*2800
075°
(37)
J80
3100
107°
(31)
R-018

15000
*2800
075°
(118)
J80

TWAIN
N39°40.34′
W91°26.59′
H-5

8000
*2200
085°
(82)
J80
R-265

SPINNER
112.7 SPI
Chan 74
N39°50.38′-W89°40.66′
L-27, H-5

COLUMBIA
110.2 COU
Chan 39
N38°48.65′-W92°13.10′
L-27

3100
088°
(60)
V12

FRANC
N39°00.50′
W92°51.02′

V12
3100
112°
(32)
R-292

NAPOLEON
114.0 ANX
Chan 87
N39°05.73′-W94°07.73′

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: Climb on assigned heading for RADAR vectors to appropriate route. Expect filed altitude 10 minutes after departure.

COLUMBIA TRANSITION (LAKES3.COU): From over MCI VORTAC on MCI R-107 to ANX VORTAC, then on ANX R-088 and COU R-292 to COU VOR/DME.

FRANC TRANSITION (LAKES3.FRANC): From over MCI VORTAC on MCI R-107 to ANX VORTAC, then on ANX R-088 to FRANC FIX.

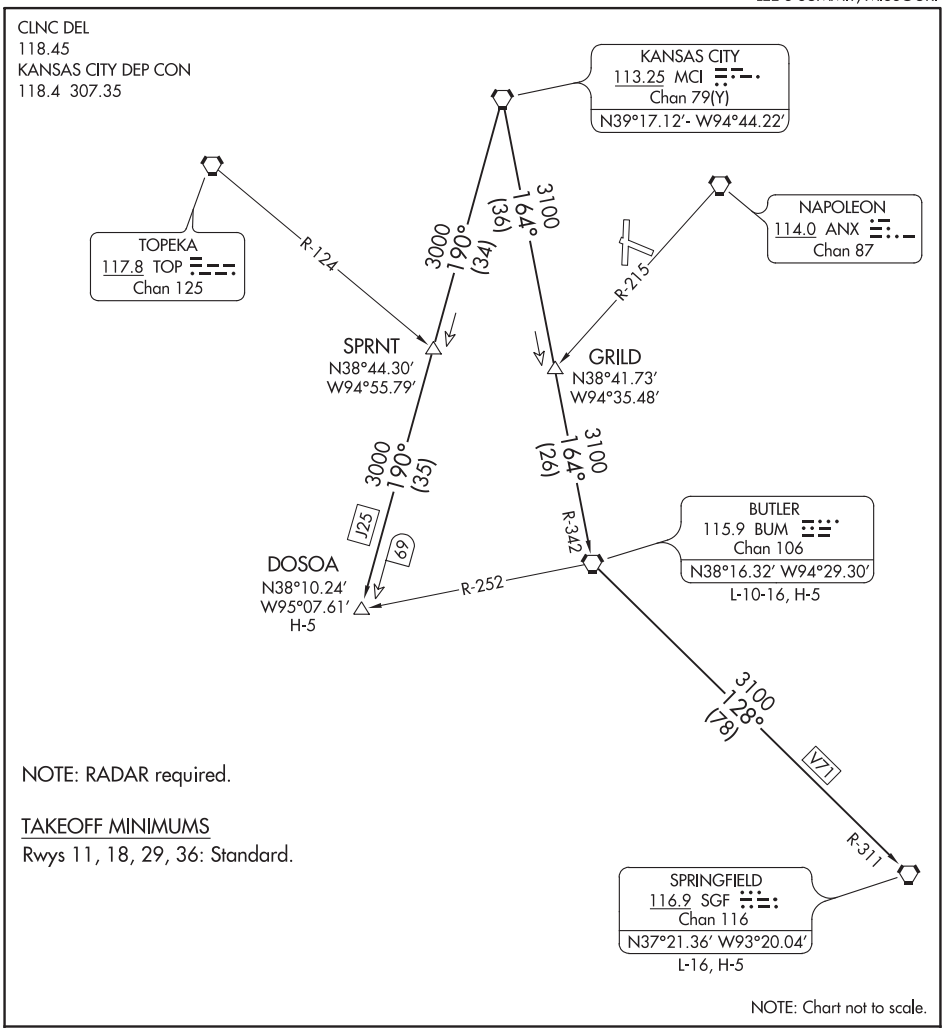
SPINNER TRANSITION (LAKES3.SPI): From over MCI VORTAC on MCI R-075 and SPI R-265 to TWAIN FIX, then on SPI R-265 to SPI VORTAC.

TWAIN TRANSITION (LAKES3.TWAIN): From over MCI VORTAC on MCI R-075 and SPI R-265 to TWAIN FIX.

NOTE: RADAR required.
NOTE: DME required.

TAKEOFF MINIMUMS
Rwys 11, 18, 29, 36: Standard.

N



NOTE: RADAR required.

TAKEOFF MINIMUMS

Rwys 11, 18, 29, 36: Standard.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: Climb on assigned heading for RADAR vectors to appropriate route. Expect filed altitude 10 minutes after departure.

BUTLER TRANSITION (RACER7.BUM): From over MCI VORTAC on MCI R-164 and BUM R-342 to BUM VORTAC.

DOSOA TRANSITION (RACER7.DOSOA): From over MCI VORTAC on MCI R-190 to DOSOA.

SPRINGFIELD TRANSITION (RACER7.SGF): From over MCI VORTAC on MCI R-164 and BUM R-342 to BUM VORTAC, then on BUM R-128 and SGF R-311 to SGF VORTAC.

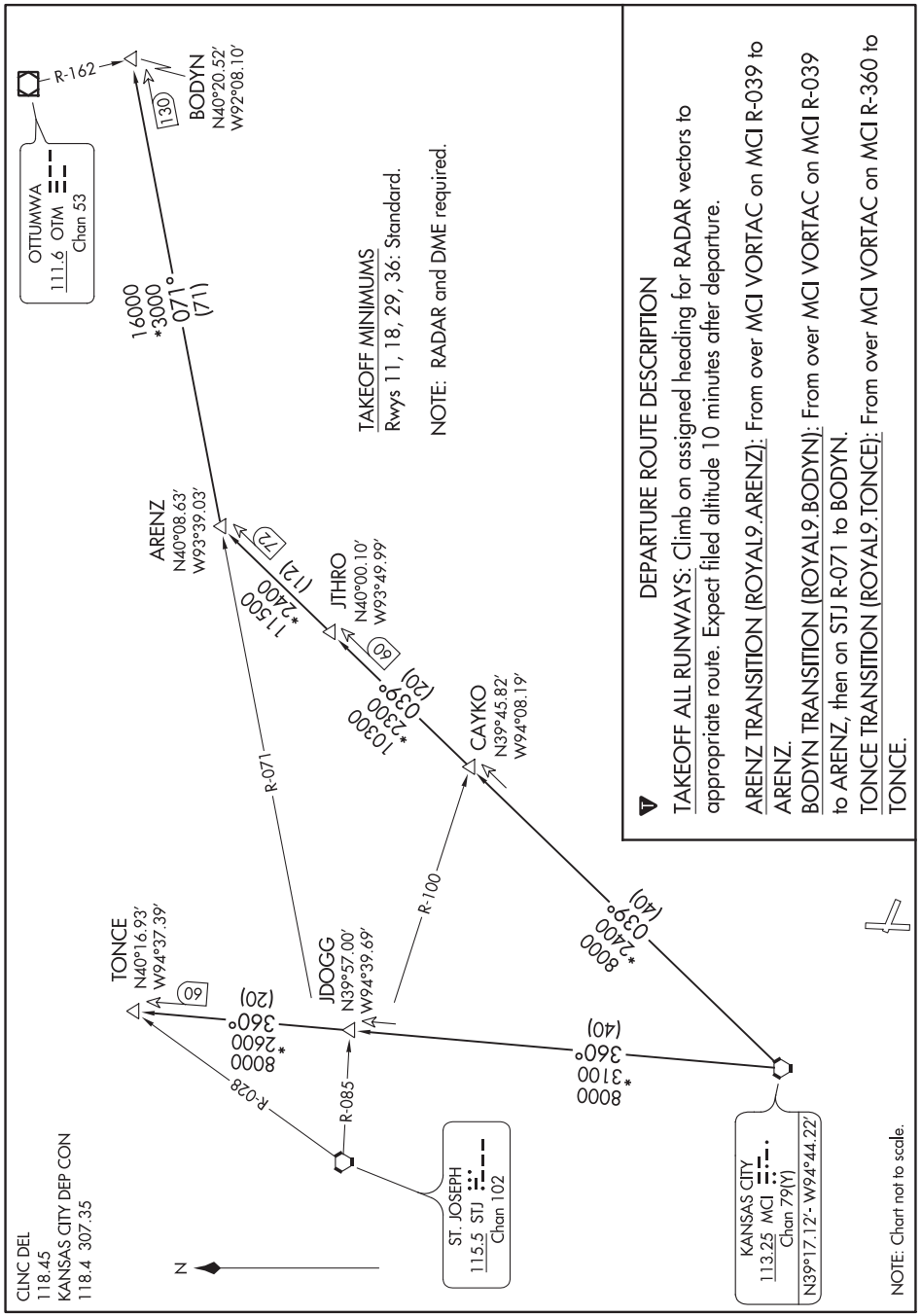
NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

(ROYAL9.MCI) 20142

ROYAL NINE DEPARTURE

AL-6104 (FAA)

LEE'S SUMMIT MUNI (LXT)
LEE'S SUMMIT, MISSOURI



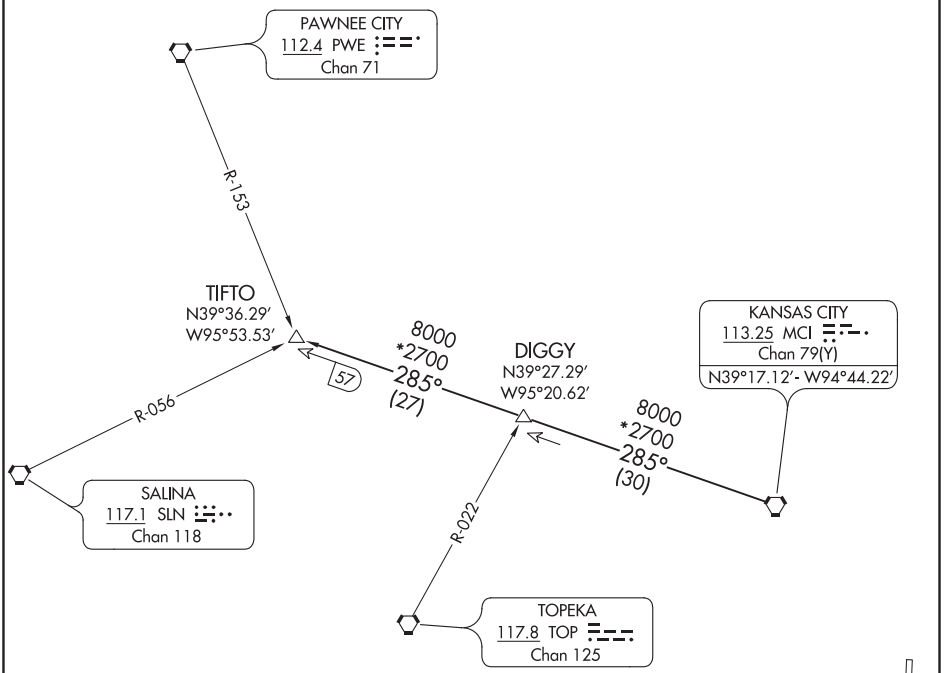
NC-3, 25 FEB 2021 to 22 APR 2021

ROYAL NINE DEPARTURE

(ROYAL9.MCI) 01FEB18

LEE'S SUMMIT, MISSOURI
LEE'S SUMMIT MUNI (LXT)

CLNC DEL
118.45
KANSAS CITY DEP CON
118.4 307.35



NOTE: RADAR required.

TAKEOFF MINIMUMS
Rwys 11, 18, 29, 36: Standard.

NOTE: Chart not to scale

DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: Climb on assigned heading for RADAR vectors to appropriate route. Expect filed altitude 10 minutes after departure.

TIFTO TRANSITION (TIFTO6.TIFTO): From over MCI VORTAC on MCI R-285 to TIFTO.

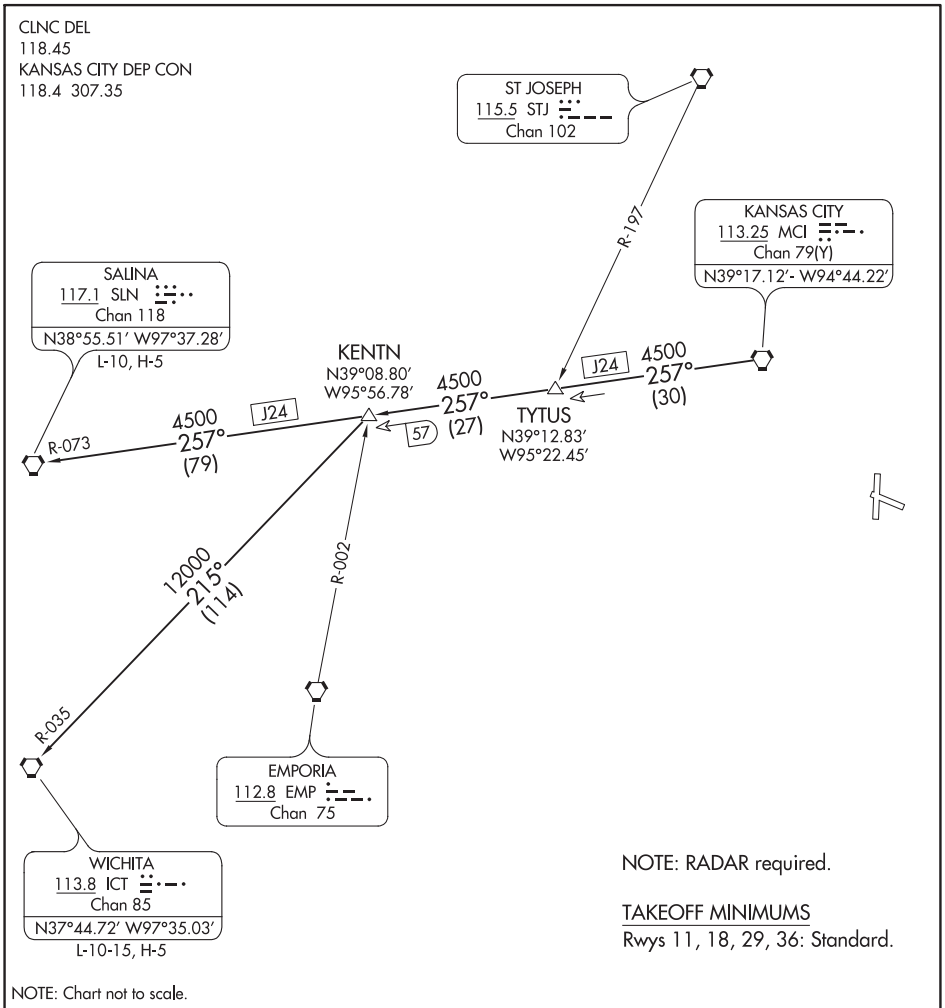
NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

(WLDCT5.MCI) 20142

WILDCAT FIVE DEPARTURE

AL-6104 (FAA)

LEE'S SUMMIT MUNI (LXT)
LEE'S SUMMIT, MISSOURI



NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: Climb on assigned heading for RADAR vectors to appropriate route. Expect filed altitude 10 minutes after departure.

KENTN TRANSITION (WLDCT5.KENTN): From over MCI VORTAC on MCI R-257 to KENTN.

SALINA TRANSITION (WLDCT5.SLN): From over MCI VORTAC on MCI R-257 and SLN R-073 to SLN VORTAC.

WICHITA TRANSITION (WLDCT5.ICT): From over MCI VORTAC on MCI R-257 to KENTN, then on ICT R-035 to ICT VORTAC.

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 65933 W02A	APP CRS 018°	Rwy ldg 3554 TDZE 876 Apt Elev 878

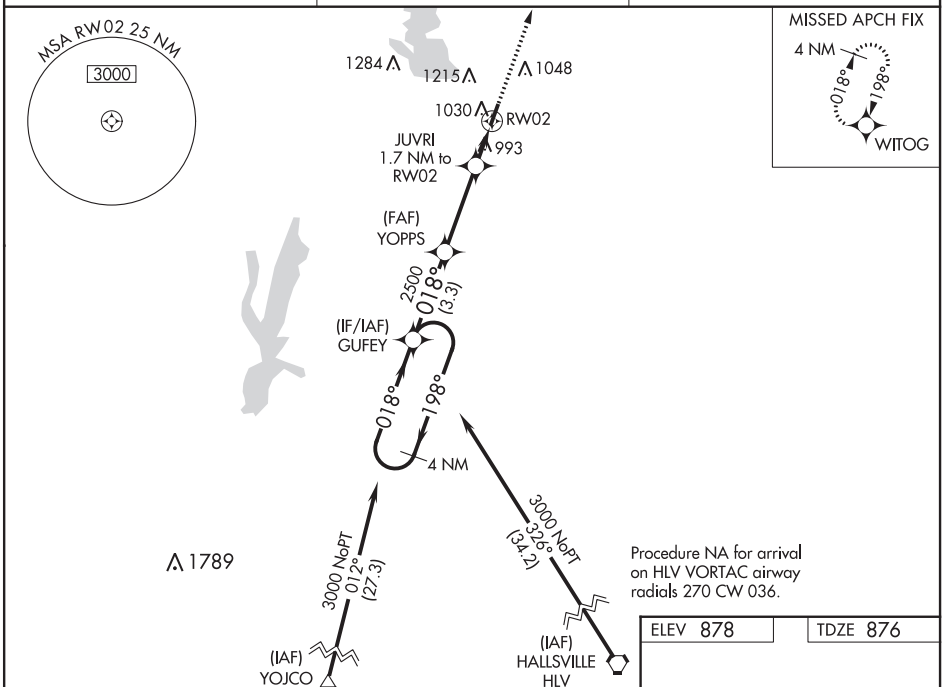
RNAV (GPS) RWY 2
MACON-FOWER MEMORIAL (K89)

T A NA

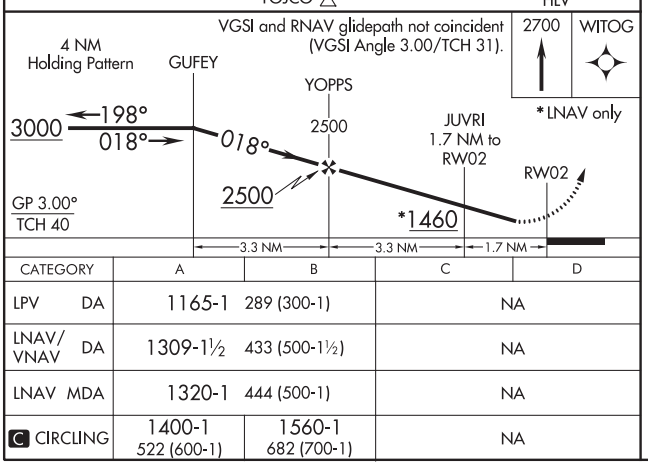
DME/DME RNP-0.3 NA. Use Moberly altimeter setting; when not received use Columbia altimeter setting and increase all DA 91 feet and all MDA 100 feet and increase LPV all Cats and LNAV/VNAV all Cats visibility ¼ mile. Helicopter visibility reduction below ¾ SM NA. Night Landing: Rwy 20 NA. Baro-VNAV NA.

MISSED APPROACH: Climb to 2700 direct WITOG and hold.

MBY AWOS-3P	KANSAS CITY CENTER	UNICOM
120.025	125.25 235.975	122.8 (CTAF) L

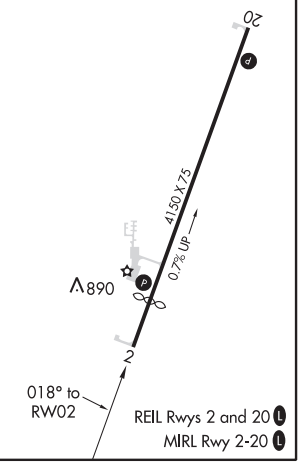


Procedure NA for arrival on HLV VORTAC airway radials 270 CW 036.



CATEGORY	A	B	C	D
LPV DA	1165-1	289 (300-1)	NA	
LNAV/VNAV DA	1309-1½	433 (500-1½)	NA	
LNAV MDA	1320-1	444 (500-1)	NA	
C CIRCLING	1400-1 522 (600-1)	1560-1 682 (700-1)	NA	

ELEV 878 TDZE 876



NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

MACON, MISSOURI | AL-6837 (FAA) | 19283

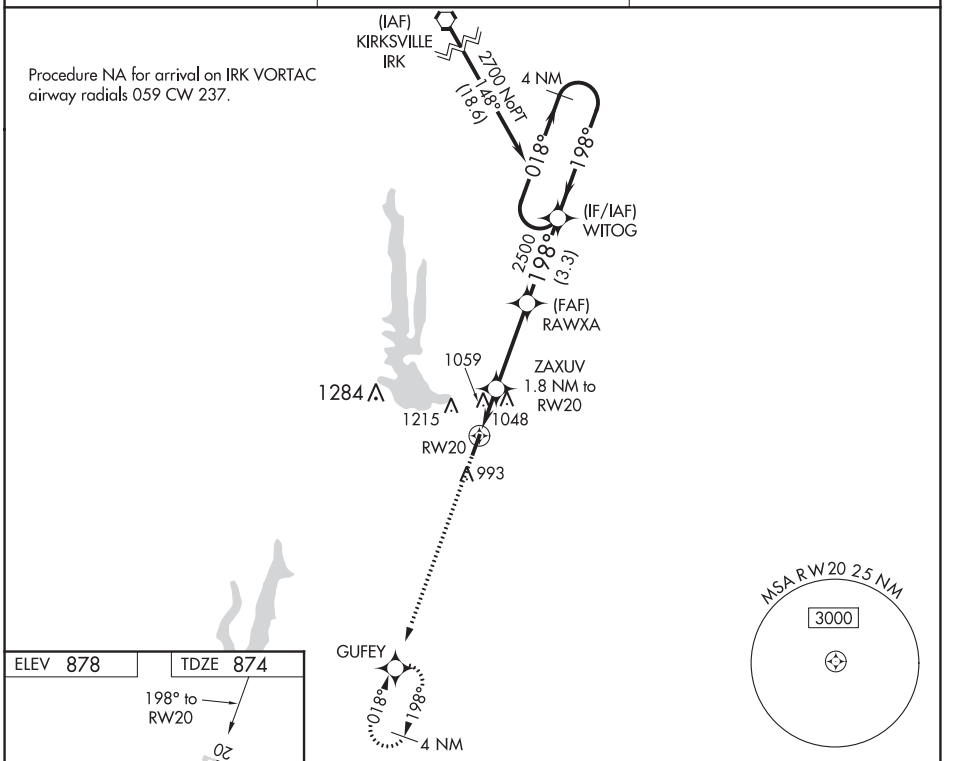
WAAS CH 42933 W20A	APP CRS 198°	Rwy ldg 4150 TDZE 874 Apt Elev 878

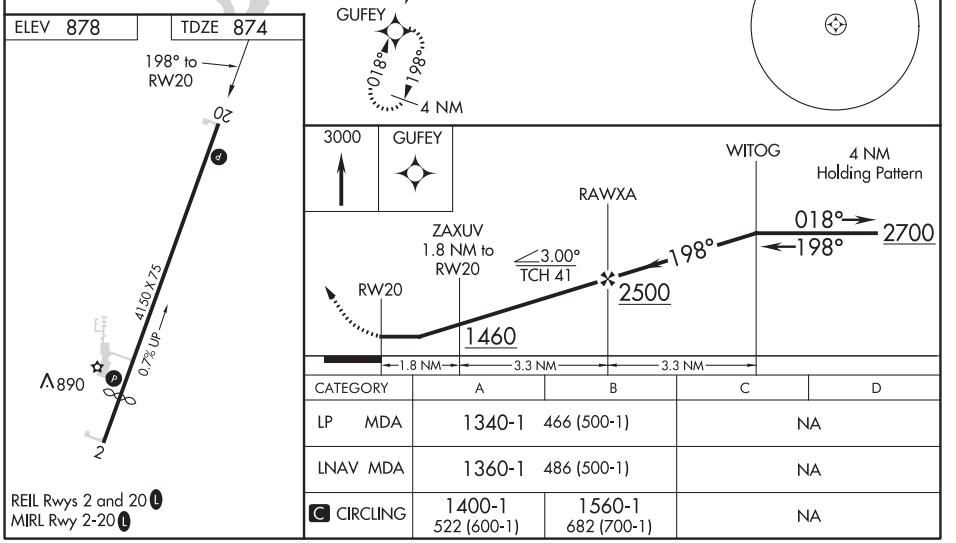
RNAV (GPS) RWY 20
MACON-FOWER MEMORIAL (K89)

T A NA DME/DME RNP-0.3 NA. Use Moberly altimeter setting; when not received, use Columbia altimeter setting and increase all MDA 100 feet. Helicopter visibility reduction below 1 SM NA. Night landing: Rwy 20 NA.

MISSED APPROACH: Climb to 3000 direct GUFEY and hold.

MBY AWOS-3P	KANSAS CITY CENTER	UNICOM
120.025	125.25 235.975	122.8 (CTAF) L





CATEGORY	A	B	C	D
LP MDA	1340-1 466 (500-1)		NA	
LNAV MDA	1360-1 486 (500-1)		NA	
C CIRCLING	1400-1 522 (600-1)	1560-1 682 (700-1)	NA	

MACON, MISSOURI
Orig-A 23JUN16

39°44′N-92°27′W

MACON-FOWER MEMORIAL (K89)
RNAV (GPS) RWY 20

NC-3, 25 FEB 2021 to 22 APR 2021

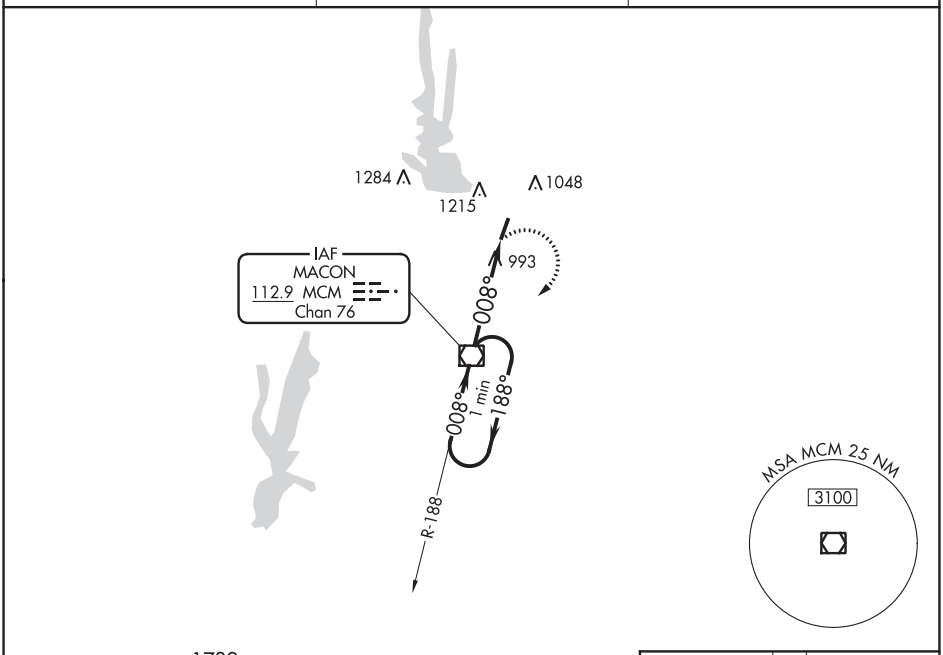
VOR/DME MCM	APP CRS	Rwy ldg 3554
112.9	008°	TDZE 876
Chan 76		Apt Elev 878

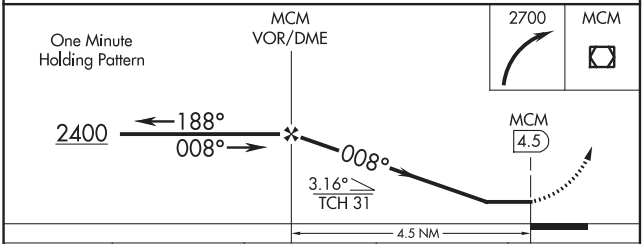
VOR RWY 2
MACON-FOWER MEMORIAL (K89)

T A NA Night Landing: Rwy 20 NA. Helicopter visibility reduction below ¾ SM NA. Use Moberly altimeter setting; when not received use Columbia altimeter setting.

MISSED APPROACH: Climbing right turn to 2700 direct MCM VOR/DME and hold.

MBY AWOS-3P	KANSAS CITY CENTER	UNICOM
120.025	125.25 235.975	122.8 (CTAF) L

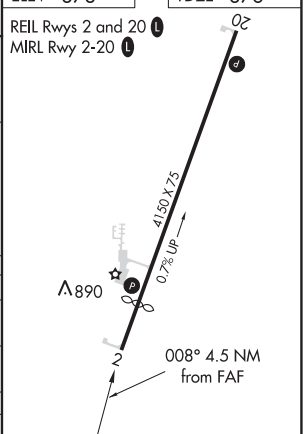




CATEGORY	A	B	C	D
S-2	1360-1 484 (500-1)		NA	
C CIRCLING	1400-1 522 (600-1)	1560-1 682 (700-1)	NA	
COLUMBIA ALTIMETER SETTING MINIMUMS				
S-2	1460-1 584 (600-1)		NA	
C CIRCLING	1500-1 622 (700-1)	1660-1 782 (800-1)	NA	

ELEV 878 TDZE 876

REIL Rwys 2 and 20 L
MIRL Rwy 2-20 L



FAF to MAP 4.5 NM

Knots	60	90	120	150	180
Min:Sec	4:30	3:00	2:15	1:48	1:30

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

MALDEN, MISSOURI AL-878 (FAA) 20366

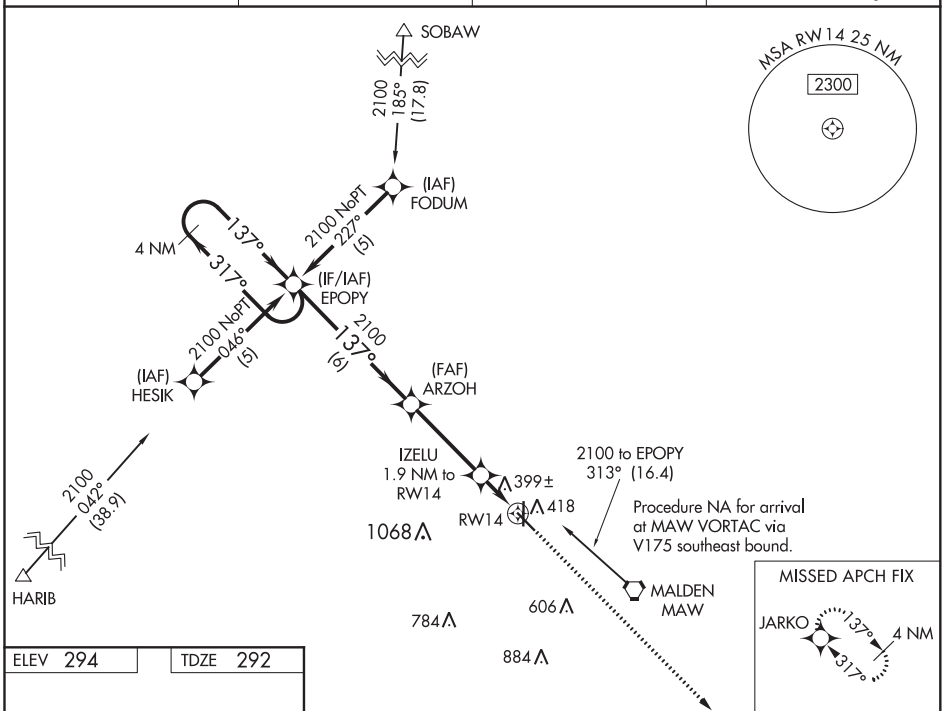
WAAS CH 61315 W14A	APP CRS 137°	Rwy ldg 5001 TDZE 292 Apt Elev 294

RNAV (GPS) RWY 14
MALDEN RGNL (MAW)

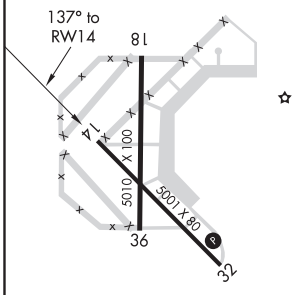
T A NA DME/DME RNP-0.3 NA. When local altimeter setting not received, use Poplar Bluff altimeter setting and increase all DA 50 feet, all MDA 60 feet, LNAV/VNAV all Cats and LNAV Cat C visibilities ¼ mile. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 54°C (130°F). Baro-VNAV and VDP NA when using Poplar Bluff altimeter setting.

MISSED APPROACH: Climb to 2100 direct JARKO and hold.

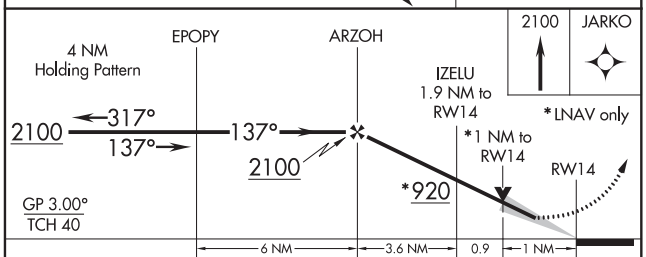
AWOS-3PT	MEMPHIS CENTER	GCO	UNICOM
119.825	133.65 292.15	135.075	122.8 (CTAF) L



ELEV 294 TDZE 292



REIL Rwys 14 and 32 L
MIRL Rwys 14-32 and 18-36 L



CATEGORY	A	B	C	D
LPV DA	542-1 250 (300-1)			NA
LNAV/VNAV DA	698-1½ 406 (500-1½)			NA
LNAV MDA	660-1 368 (400-1)			NA
CIRCLING	720-1 426 (500-1)	820-1 526 (600-1)	820-1½ 526 (600-1½)	NA

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 78315 W18A	APP CRS 182°	Rwy ldg 5010 TDZE 294 Apt Elev 294

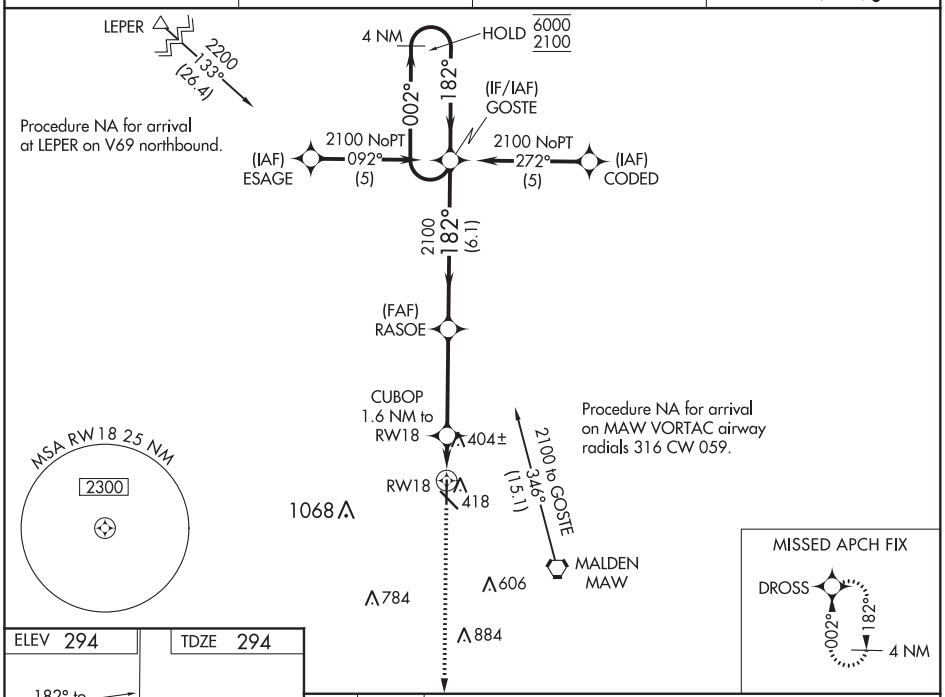
RNAV (GPS) RWY 18
MALDEN RGNL (MAW)

RNP APCH.

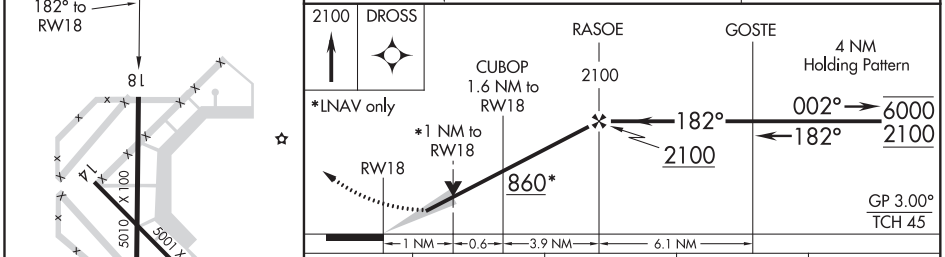
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C or above 54°C. Baro-VNAV and VDP NA when using Poplar Bluff altimeter setting. When local altimeter setting not received, use Poplar Bluff altimeter setting and increase LPV DA to 594 feet; increase LNAV/VNAV DA to 719 feet; increase all MDAs 60 feet and LNAV visibility Cat C 3/8 SM.

MISSED APPROACH: Climb to 2100 direct DROSS and hold.

AWOS-3PT	MEMPHIS CENTER	GCO	UNICOM
119.825	133.65 292.15	135.075	122.8 (CTAF) L



ELEV 294	TDZE 294



CATEGORY	A	B	C	D
LPV DA	544-1 250 (300-1)			NA
LNAV/VNAV DA	669-1¼ 375 (400-1¼)			NA
LNAV MDA	680-1 386 (400-1)			NA
CIRCLING	720-1 426 (500-1)	820-1 526 (600-1)	820-1½ 526 (600-1½)	NA

REIL Rwys 14 and 32 L
MIRL Rwys 14-32 and 18-36 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

MALDEN, MISSOURI AL-878 (FAA) 20366

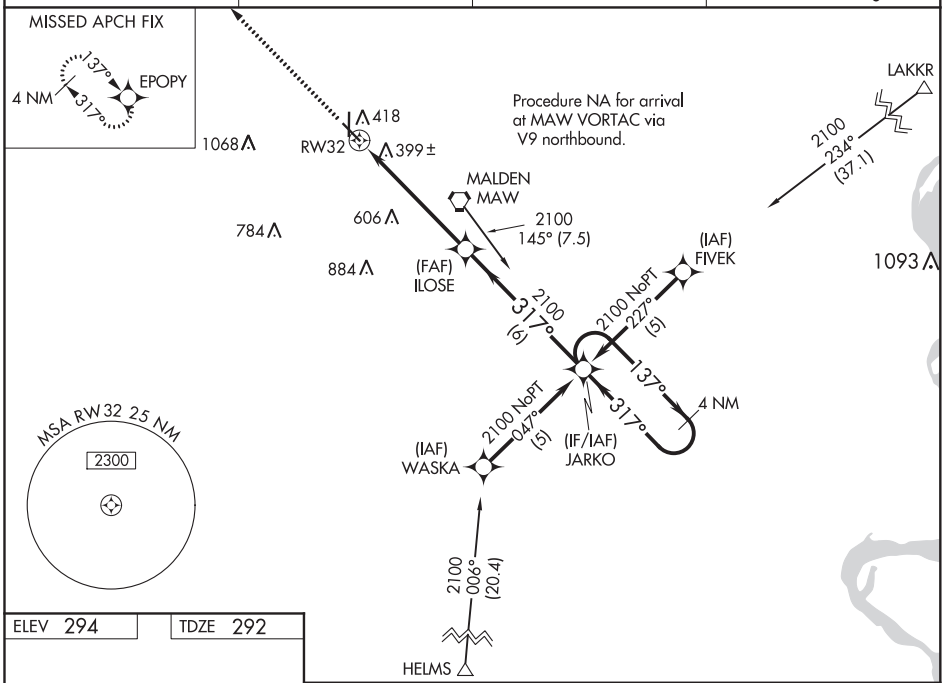
WAAS CH 40410 W32A	APP CRS 317°	Rwy ldg 5001 TDZE 292 Apt Elev 294

RNAV (GPS) RWY 32
MALDEN RGNL (MAW)

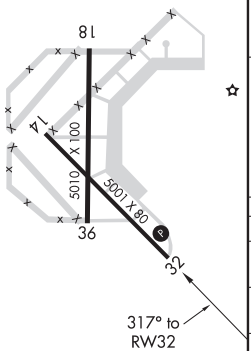
T A NA DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Poplar Bluff altimeter setting and increase all DA 50 feet, all MDA 60 feet, increase LPV all Cats, LNAV/VNAV all Cats and LNAV Cat C visibilities ¼ mile. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) and above 54°C (130°F). Baro-VNAV and VDP NA when using Poplar Bluff altimeter setting.

MISSED APPROACH: Climb to 2100 direct EPOPY and hold.

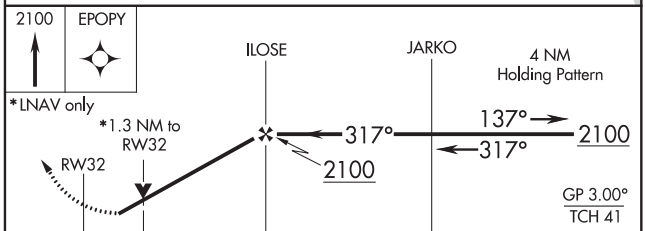
AWOS-3PT	MEMPHIS CENTER	GCO	UNICOM
119.825	133.65 292.15	135.075	122.8 (CTAF) L



ELEV 294	TDZE 292



REIL Rwys 14 and 32 L
MIRL Rwys 14-32 and 18-36 L



CATEGORY	A	B	C	D
LPV DA	581-1 289 (300-1)			NA
LNAV/VNAV DA	698-1½ 406 (500-1½)			NA
LNAV MDA	740-1 448 (500-1)		740-1¼ 448 (500-1¼)	NA
CIRCLING	740-1 446 (500-1)	820-1 526 (600-1)	820-1½ 526 (600-1½)	NA

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

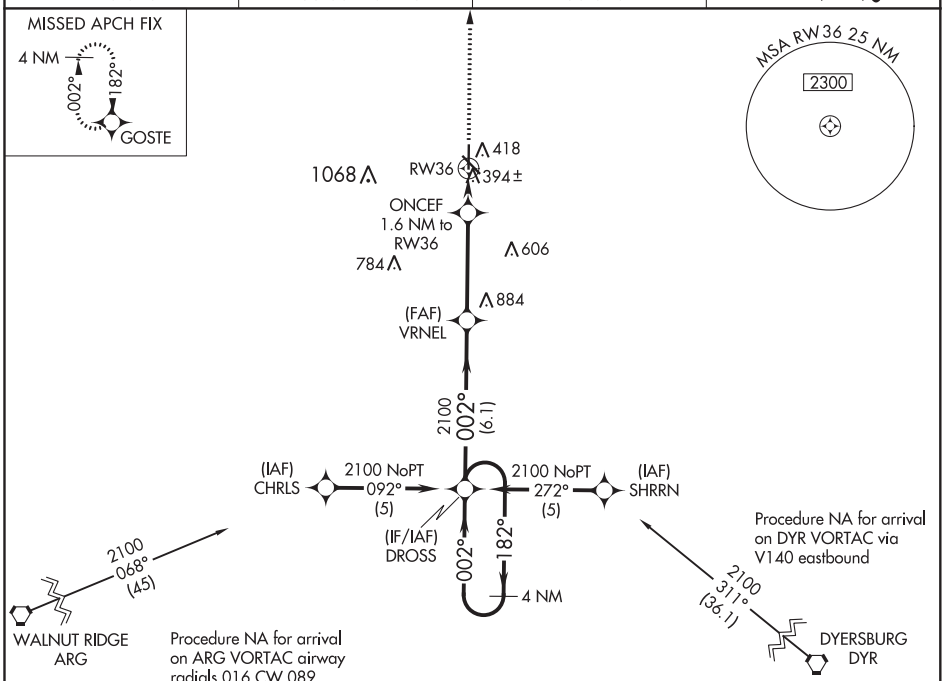
WAAS CH 93815 W36A	APP CRS 002°	Rwy ldg 5010 TDZE 293 Apt Elev 294

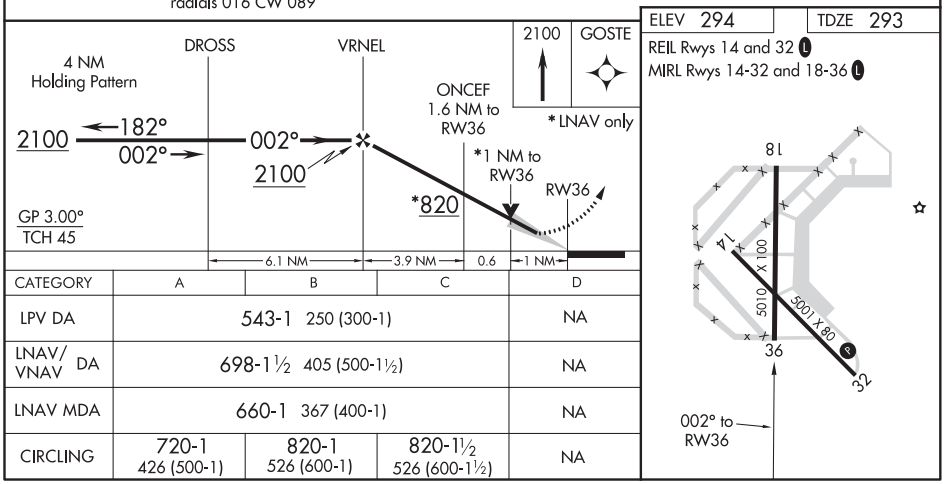
RNAV (GPS) RWY 36
MALDEN RGNL (MAW)

T A NA DME/DME RNP-0.3 NA. When local altimeter setting not received, use Poplar Bluff altimeter setting and increase all DA 50 feet, all MDA 60 feet and LNAV Cat C visibility ¼ mile. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 54°C (130°F). Baro-VNAV and VDP NA when using Poplar Bluff altimeter setting.

MISSED APPROACH: Climb to 2100 direct GOSTE and hold.

AWOS-3PT	MEMPHIS CENTER	GCO	UNICOM
119.825	133.65 292.15	135.075	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	543-1 250 (300-1)			NA
LNAV/VNAV DA	698-1½ 405 (500-1½)			NA
LNAV MDA	660-1 367 (400-1)			NA
CIRCLING	720-1 426 (500-1)	820-1 526 (600-1)	820-1½ 526 (600-1½)	NA

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

MALDEN, MISSOURI | AL-878 (FAA) | 20366

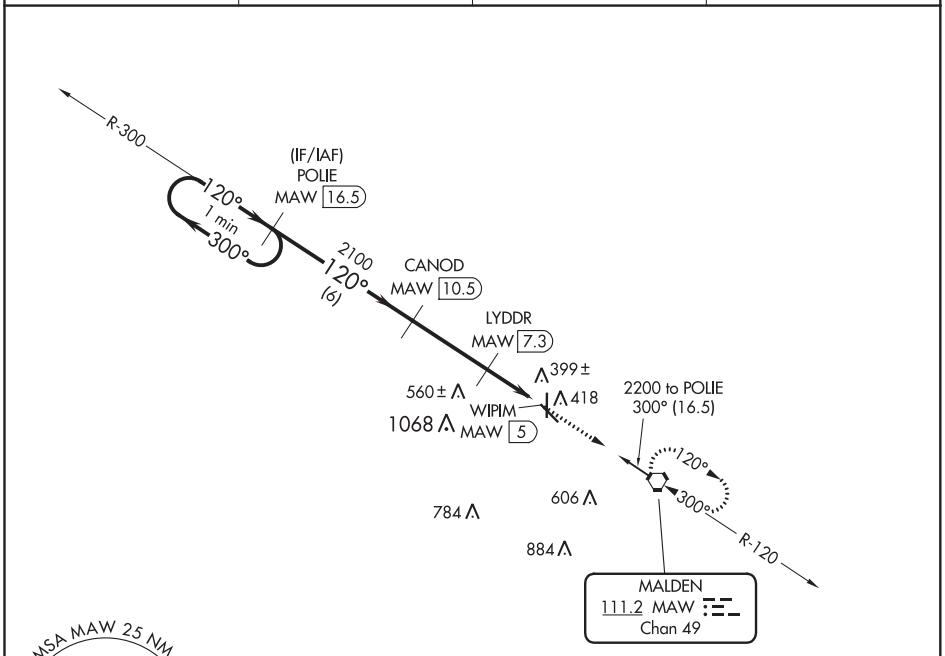
VOR/DME RWY 14
MALDEN RGNL (MAW)

VORTAC MAW	APP CRS	Rwy ldg	5001
111.2	120°	TDZE	292
Chan 49		Apt Elev	294

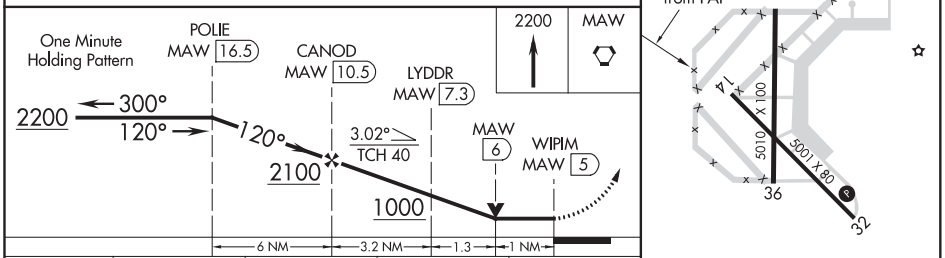
T A NA — When local altimeter setting not received, use Poplar Bluff altimeter setting and increase all MDA 60 feet and S-14 Cat C visibility ¼ mile. VDP NA when using Poplar Bluff altimeter setting.

MISSED APPROACH: Climb to 2200 direct MAW VORTAC and hold, continue climb-in-hold to 2200.

AWOS-3PT	MEMPHIS CENTER	GCO	UNICOM
119.825	133.65 292.15	135.075	122.8 (CTAF) L



ELEV 294 | TDZE 292



CATEGORY	A	B	C	D
S-14	660-1 368 (400-1)			NA
CIRCLING	720-1 426 (500-1)	820-1 526 (600-1)	820-1½ 526 (600-1½)	NA

REIL Rwys 14 and 32 L
MIRL Rwys 14-32 and 18-36 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

APP CRS	Rwy ldg	2801
019°	TDZE	1116
	Apt Elev	1116

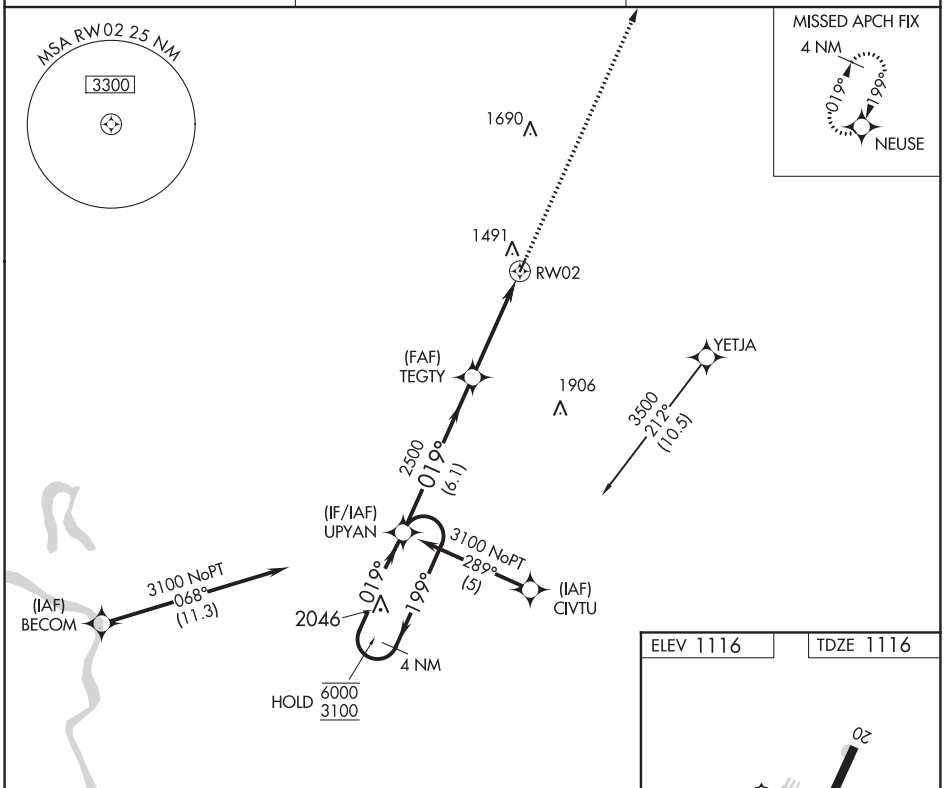
RNAV (GPS) RWY 2
JAMES G WHITING MEMORIAL FIELD (MEY)

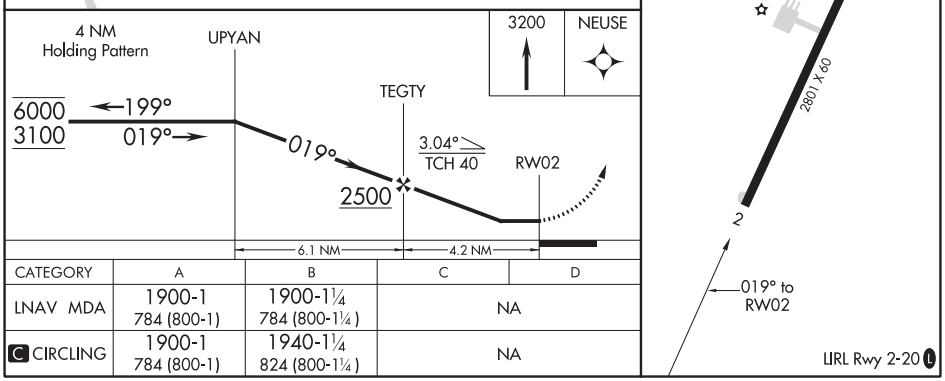
RNP APCH.

T A NA Use Sioux City altimeter setting, when not received use Denison altimeter setting. Procedure NA at night. Rwy 2 helicopter visibility reduction below 1 SM NA.

MISSED APPROACH: Climb to 3200 direct NEUSE and hold.

SUX ASOS	SIOUX CITY APP CON ★	UNICOM
119.45	124.6 307.0	122.8 (CTAF) L





CATEGORY	A	B	C	D
LNAV MDA	1900-1 784 (800-1)	1900-1¼ 784 (800-1¼)	NA	
C CIRCLING	1900-1 784 (800-1)	1940-1¼ 824 (800-1¼)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

MAPLETON, IOWA | AL-6069 (FAA) | 21056

APP CRS	Rwy ldg	2801
199°	TDZE	1116
	Apt Elev	1116

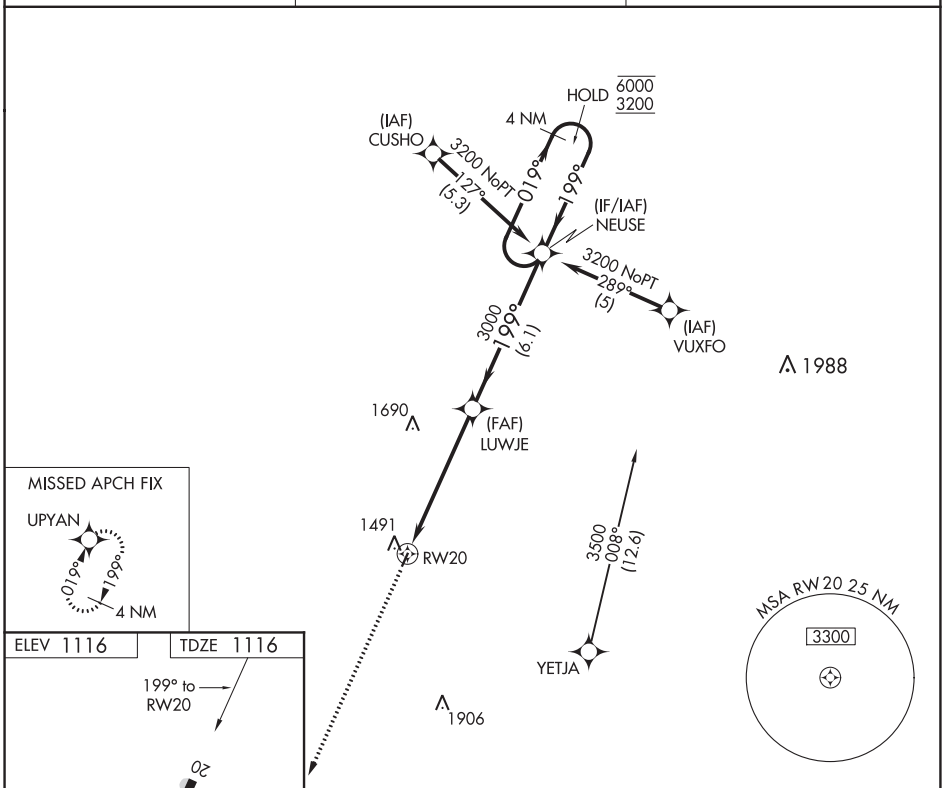
RNAV (GPS) RWY 20
JAMES G WHITING MEMORIAL FIELD (MEY)

RNP APCH.

T A NA Procedure NA at night. Rwy 20 helicopter visibility reduction below 1 SM NA. Use Sioux City altimeter setting, when not received use Denison altimeter setting.

MISSED APPROACH: Climb to 3100 direct UPYAN and hold.

SUX ASOS	SIOUX CITY APP CON ★	UNICOM
119.45	124.6 307.0	122.8 (CTAF) L



CATEGORY	A	B	C	D
LNAV MDA	1920-1 804 (900-1)	1920-1¼ 804 (900-1¼)	NA	
C CIRCLING	1920-1 804 (900-1)	1940-1¼ 824 (900-1¼)	NA	

LIRL Rwy 2-20 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 69633 W15A	APP CRS 155°	Rwy ldg 3304 TDZE 769 Apt Elev 769

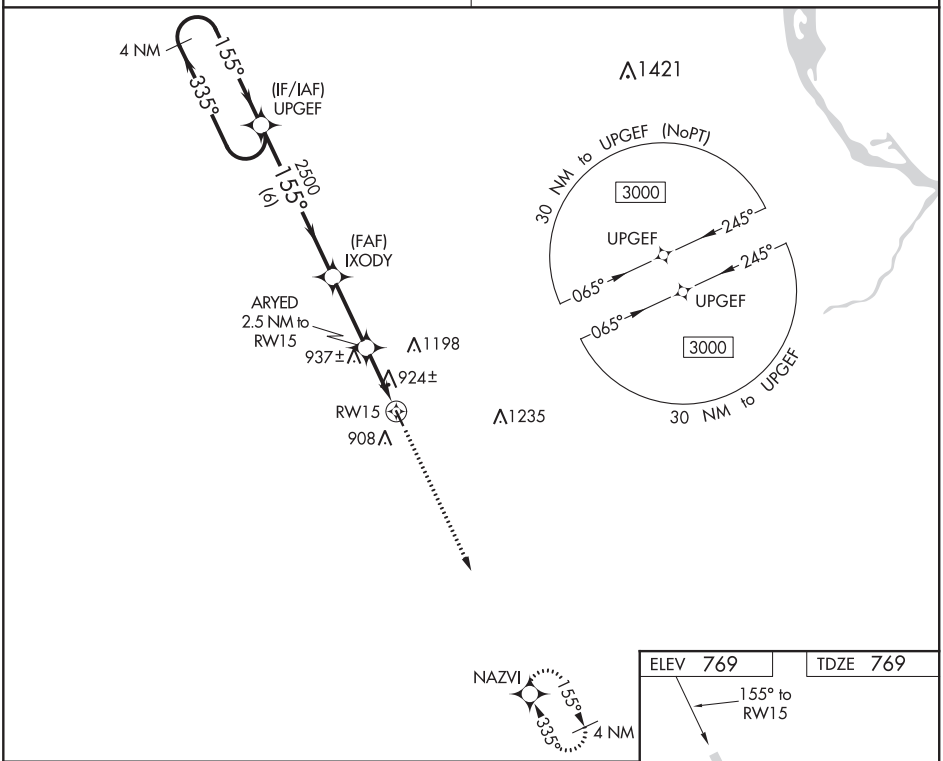
RNAV (GPS) RWY 15
MAQUOKETA MUNI (OQW)

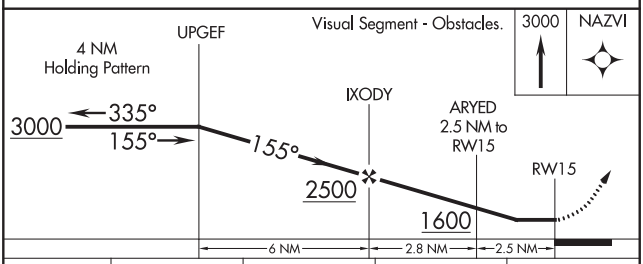
T NA

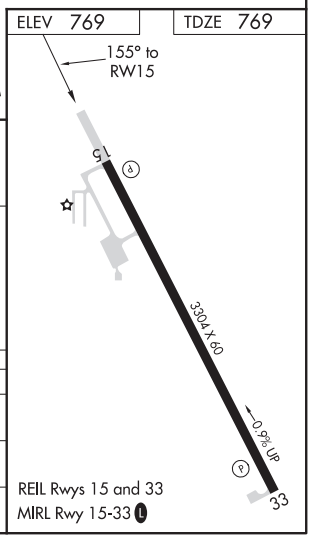
DME/DME RNP-0.3 NA. Helicopter visibility reduction below 1 SM NA. Night landing: Rwy 15 NA. Obtain local altimeter on CTAF; when not received, use Dubuque altimeter setting and increase all MDA 100 feet.

MISSED APPROACH: Climb to 3000 direct NAZVI and hold.

CHICAGO CENTER	UNICOM
133.95 281.4	122.725 (CTAF) L







CATEGORY	A	B	C	D
LP MDA	1180-1 411 (500-1)		NA	
LNAV MDA	1200-1 431 (500-1)		NA	
C CIRCLING	1240-1 471 (500-1)	1400-1 631 (700-1)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

MAQUOKETA, IOWA | AL-6280 (FAA) | 20086

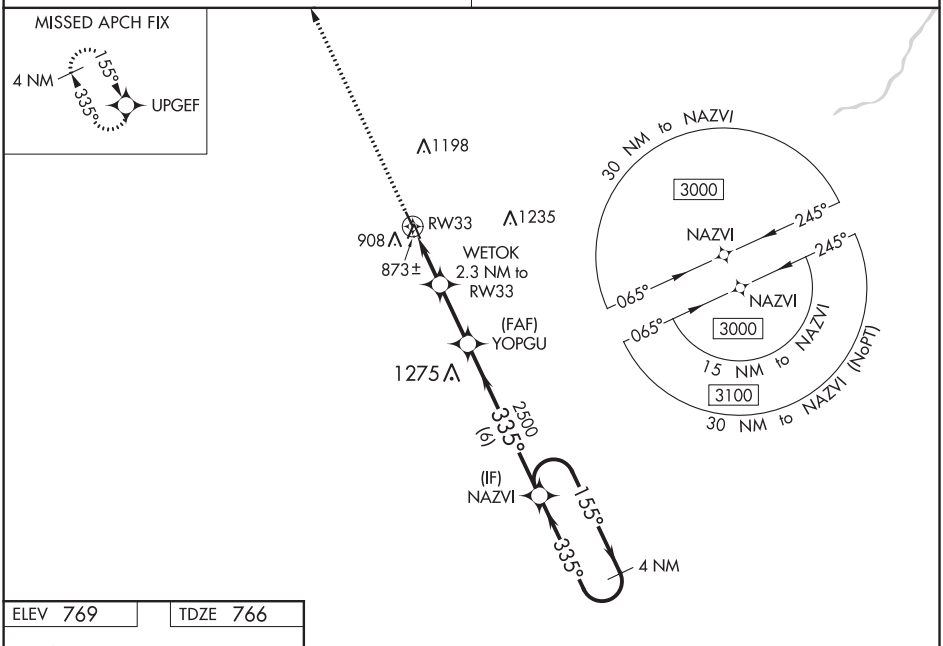
RNAV (GPS) RWY 33
MAQUOKETA MUNI (OQW)

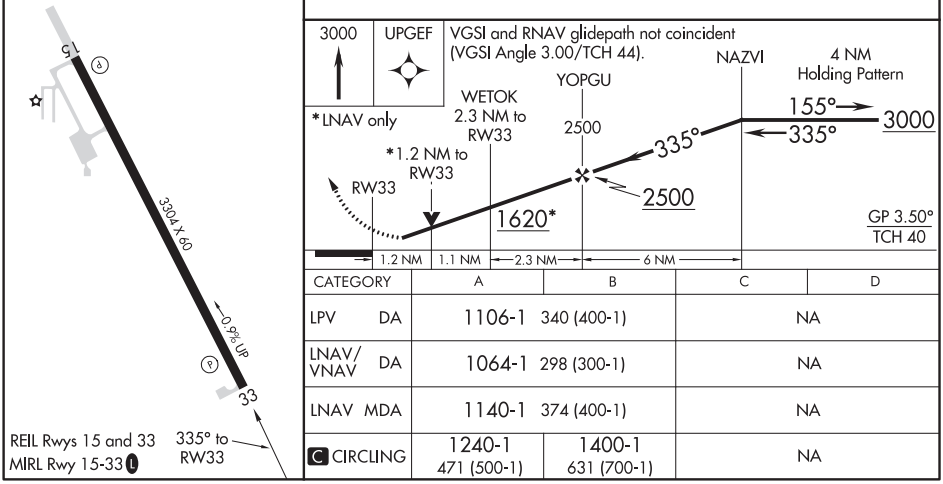
WAAS CH 82733 W33A	APP CRS 335°	Rwy ldg 3304 TDZE 766 Apt Elev 769

Circling to Rwy 15 NA at night. Baro-VNAV NA when using Dubuque altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Helicopter visibility reduction below 1 SM NA. Obtain local altimeter on CTAF; when not received, use Dubuque altimeter setting and increase all DA 92 feet and all MDA 100 feet. Increase LPV all Cats visibility to 1¼ mile and LNAV/VNAV all Cats visibility to 1⅛ mile.

MISSED APPROACH: Climb to 3000 direct UPGEF and hold.

CHICAGO CENTER	UNICOM
133.95 281.4	122.725 (CTAF) L





CATEGORY		A	B	C	D
LPV	DA	1106-1 340 (400-1)		NA	
LNAV/VNAV	DA	1064-1 298 (300-1)		NA	
LNAV	MDA	1140-1 374 (400-1)		NA	
C CIRCLING		1240-1 471 (500-1)	1400-1 631 (700-1)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021

APP CRS	Rwy ldg	4807
178°	TDZE	779
	Apt Elev	779

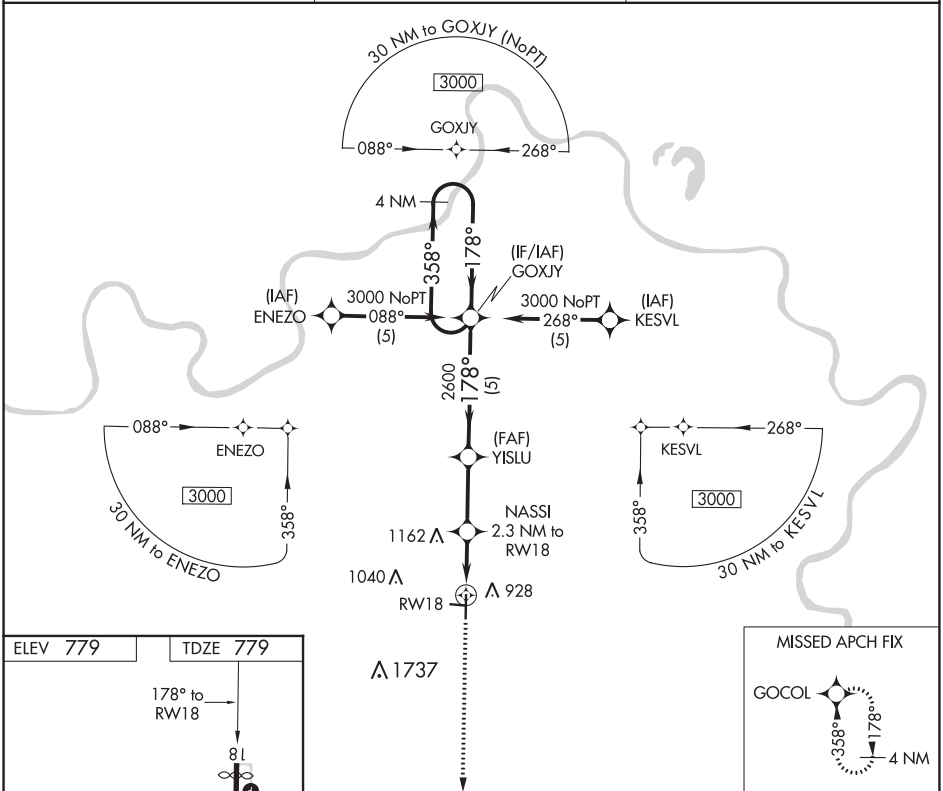
RNAV (GPS) RWY 18
MARSHALL MEMORIAL MUNI (MHL)

RNP APCH.

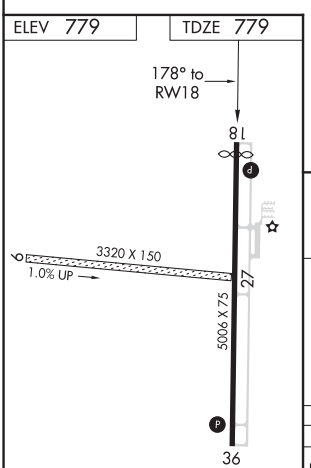
Rwy 18 helicopter visibility reduction below ¾ SM NA. VDP NA when using Sedalia altimeter setting. Circling Rwys 9 and 27 NA. When local altimeter setting not received, use Sedalia altimeter setting and increase all MDAs 80 feet.

MISSED APPROACH: Climb to 3000 direct GOCOL and hold.

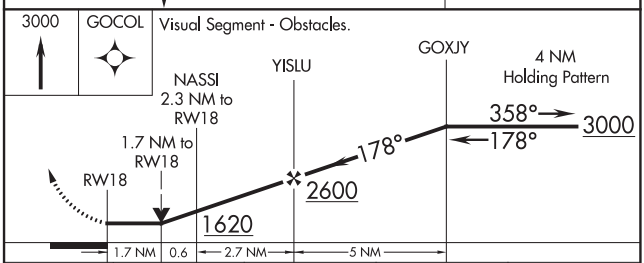
AWOS-3	WHITEMAN APP CON ★	UNICOM
118.675	127.45	122.8 (CTAF) L



ELEV 779 TDZE 779



REIL Rwy 36 L
MIRL Rwy 18-36 L



CATEGORY	A	B	C	D
LNAV MDA	1360-1	581 (600-1)	NA	
CIRCLING	1360-1	581 (600-1)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021

MARSHALL, MISSOURI

AL-6689 (FAA)

19171

RNAV (GPS) RWY 36
MARSHALL MEMORIAL MUNI (MHL)

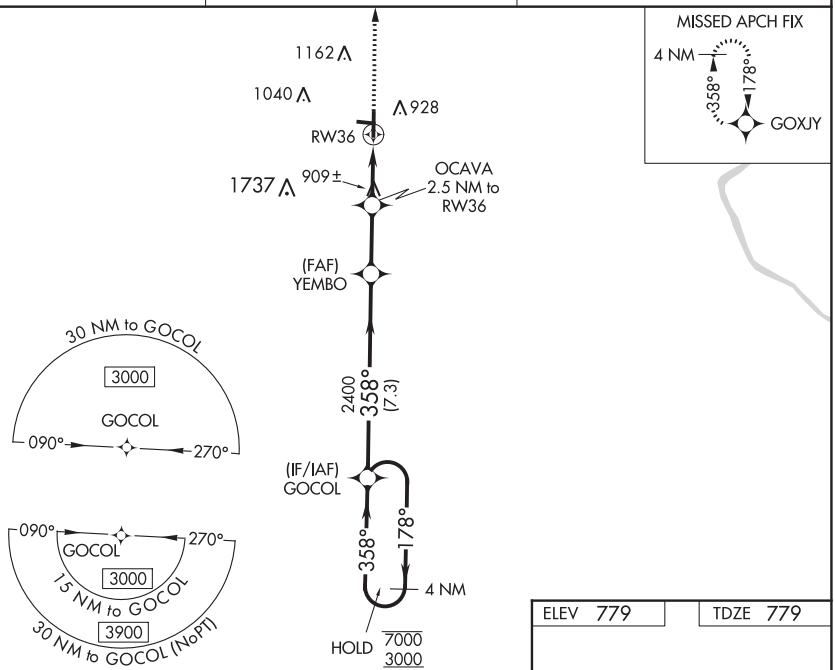
WAAS CH 93907 W36A	APP CRS 358°	Rwy ldg 5006 TDZE 779 Apt Elev 779

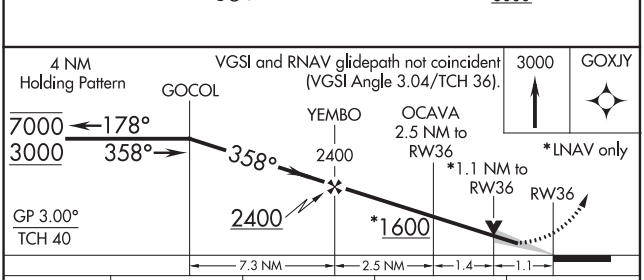
RNP APCH.

Circling NA to Rwys 9 and 27.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C or above 54°C.

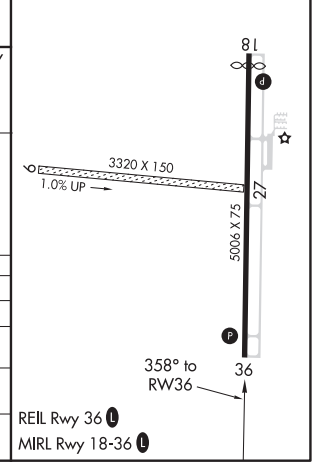
MISSED APPROACH: Climb to 3000 direct GOXJY and hold.

AWOS-3	WHITEMAN APP CON ★	UNICOM
118.675	127.45	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1029-1 250 (300-1)			NA
LNAV/VNAV DA	1091-1 312 (400-1)			NA
LNAV MDA	1160-1 381 (400-1)		1160-1⅛ 381 (400-1⅛)	NA
CIRCLING	1240-1 461 (500-1)		1240-1½ 461 (500-1½)	NA



NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 50236 W13A	APP CRS 126°	Rwy ldg 5007 TDZE 975 Apt Elev 975

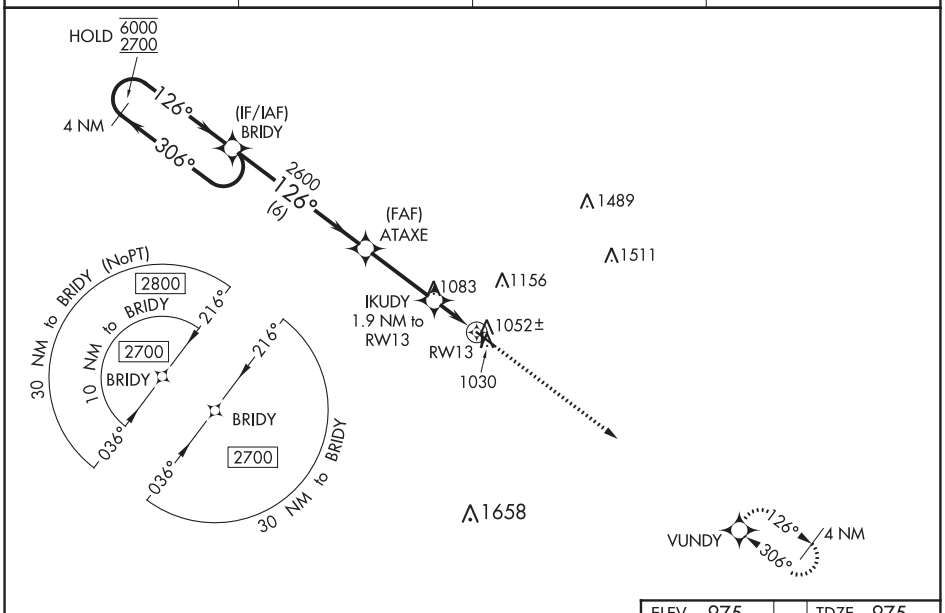
RNAV (GPS) RWY 13
MARSHALLTOWN MUNI (MIW)

RNP APCH.

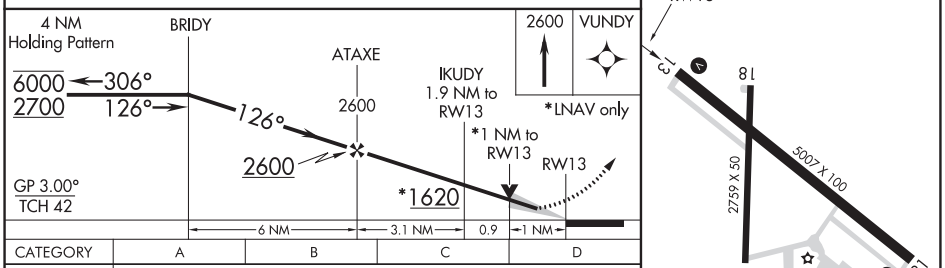
Circling Rwy 18, 36 NA at night. Baro-VNAV and VDP NA when using Grinnell altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -21°C or above 54°C. When local altimeter setting not received, use Grinnell altimeter setting and increase all DA 64 feet and all MDA 80 feet; increase LNAV Cats C/D and Circling Cat D visibility ¼ SM.

MISSED APPROACH: Climb to 2600 direct VUNDY and hold.

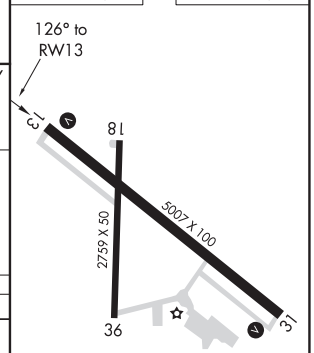
ASOS	WATERLOO APP CON *	CLNC DEL	UNICOM
128.325	120.9	120.9	122.8 (CTAF) L



ELEV 975 TDZE 975



CATEGORY	A	B	C	D
LPV DA	1225-1		250 (300-1)	
LNAV/VNAV DA	1225-1		250 (300-1)	
LNAV MDA	1320-1		345 (400-1)	
C CIRCLING	1400-1 425 (500-1)	1440-1 465 (500-1)	1460-1½ 485 (500-1½)	1840-2¾ 865 (900-2¾)



MIRL Rwys 13-31 and 18-36 L
REIL Rwys 13 and 31 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

MARSHALLTOWN, IOWA | AL-5423 (FAA) | 19059

WAAS CH 48936 W31A	APP CRS 306°	Rwy ldg 5007 TDZE 973 Apt Elev 975

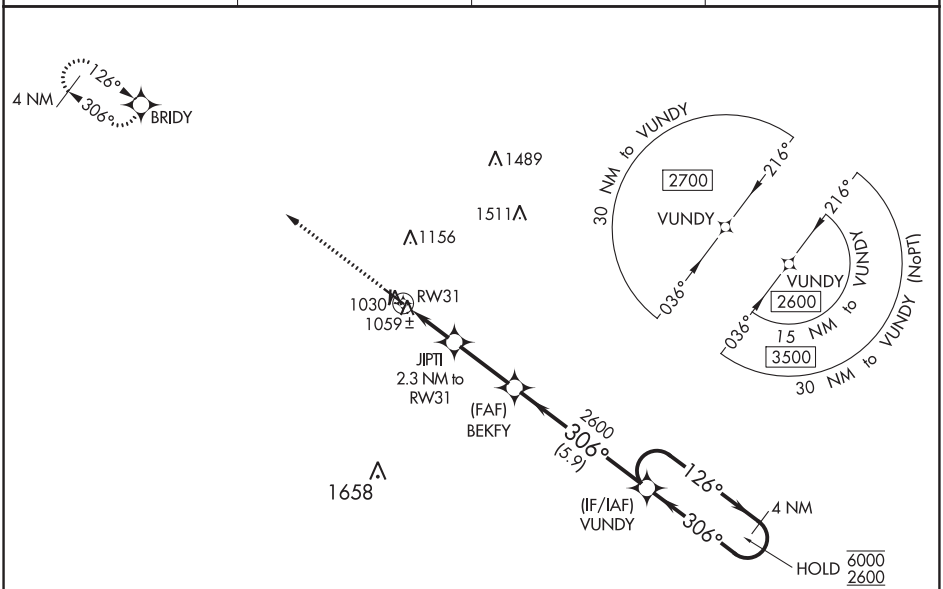
RNAV (GPS) RWY 31
MARSHALLTOWN MUNI (MIW)

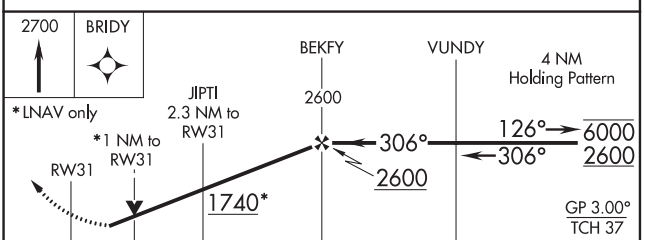
RNP APCH.

Baro-VNAV and VDP NA when using Grinnell altimeter setting. Rwy 31 Helicopter visibility reduction below ¾ SM NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -22°C or above 54°C. When local altimeter setting not received, use Grinnell altimeter setting and increase all DA 64 feet and all MDA 80 feet; increase LPV and LNAV/VNAV all Cats visibility ⅛ SM and LNAV Cats C/D and Circling Cat D visibility ¼ SM. Circling Rwy 18, 36 NA at night.

MISSED APPROACH: Climb to 2700 direct BRIDY and hold.

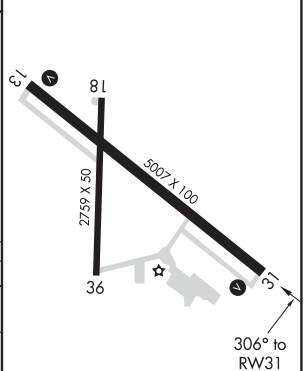
ASOS	WATERLOO APP CON ★	CLNC DEL	UNICOM
128.325	120.9	120.9	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1223-1 250 (300-1)			
LNAV/VNAV DA	1223-1 250 (300-1)			
LNAV MDA	1320-1 347 (400-1)			
C CIRCLING	1400-1 425 (500-1)	1440-1 465 (500-1)	1460-1½ 485 (500-1½)	1840-2¾ 865 (900-2¾)

ELEV 975 | TDZE 973



MIRL Rwys 13-31 and 18-36 L
REIL Rwys 13 and 31 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

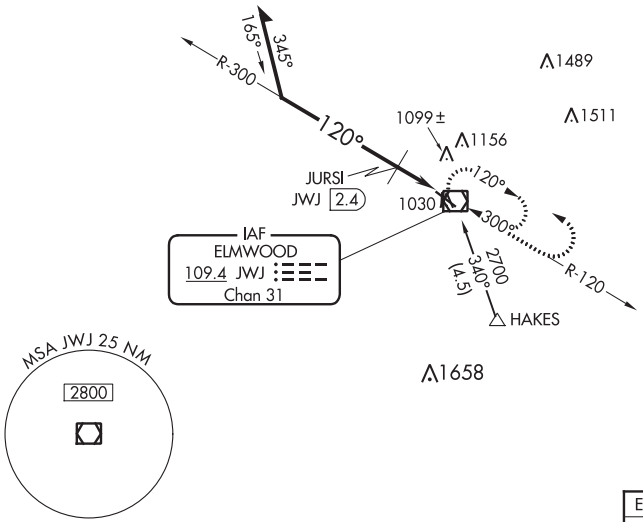
VOR/DME JWJ 109.4 Chan 31	APP CRS 120°	Rwy ldg 5007 TDZE 974 Apt Elev 975

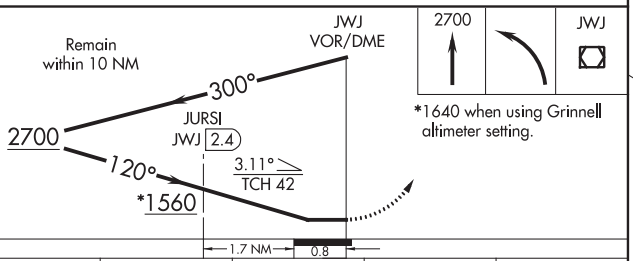
VOR RWY 13
MARSHALLTOWN MUNI (MIW)

Visibility reduction by helicopters NA. When local altimeter setting not received, use Grinnell altimeter setting and increase all MDA 80 feet; increase S-13 Cat C/D visibility ¼ SM and Circling Cat C visibility ⅛ SM and Cat D visibility ¼ SM, increase JURSI fix minimums Circling Cat D visibility ¼ SM.

MISSED APPROACH: Climb to 2700 then left turn direct JWJ VOR/DME and hold.

ASOS	WATERLOO APP CON ★	CLNC DEL	UNICOM
128.325	120.9	120.9	122.8 (CTAF) L

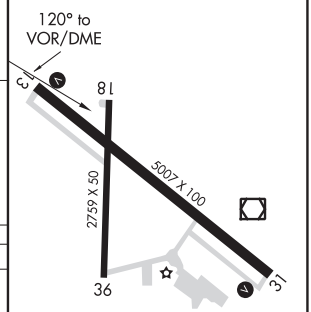




*1640 when using Grinnell altimeter setting.

CATEGORY	A	B	C	D
S-13	1560-1 586 (600-1)		1560-1½ 586 (600-1½)	1560-1¾ 586 (600-1¾)
C CIRCLING	1560-1 586 (600-1)		1560-1¾ 586 (600-1¾)	1840-2¾ 865 (900-2¾)
JURSI FIX MINIMUMS				
S-13	1360-1 386 (400-1)			1360-1¼ 386 (400-1¼)
C CIRCLING	1400-1 426 (500-1)	1440-1 466 (500-1)	1460-1½ 485 (500-1½)	1840-2¾ 865 (900-2¾)

ELEV 975	TDZE 974



MIRL Rwys 13-31 and 18-36 L
REIL Rwys 13 and 31 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

MARSHALLTOWN, IOWA | AL-5423 (FAA) | 20114

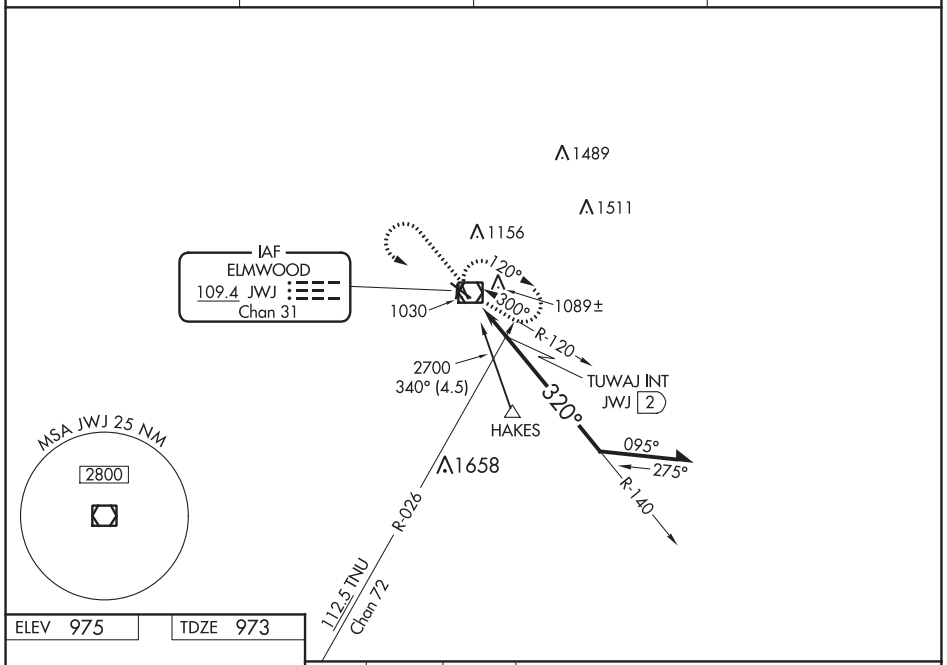
VOR RWY 31
MARSHALLTOWN MUNI (MIW)

VOR/DME JWJ 109.4 Chan 31	APP CRS 320°	Rwy ldg 5007 TDZE 973 Apt Elev 975

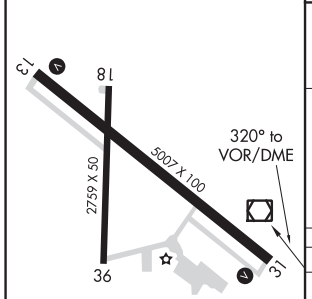
When local altimeter setting not received, use Grinnell altimeter setting and increase all MDA 80 feet; increase S-31 Cat C visibility ¼ SM, Circling Cat C visibility ⅛ SM, and Circling Cat D visibility ¼ SM, and increase TUWAJ fix minimums Cat C visibility ⅜ SM, Cat D visibility ⅛ SM, and Circling Cat D visibility ¼ SM.

MISSED APPROACH: Climb to 2700 then left turn direct JWJ VOR/DME and hold.

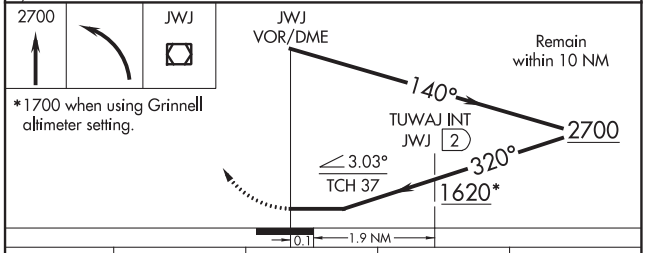
ASOS	WATERLOO APP CON *	CLNC DEL	UNICOM
128.325	120.9	120.9	122.8 (CTAF) L



ELEV 975 | TDZE 973



MIRL Rwys 13-31 and 18-36 L
REIL Rwys 13 and 31 L



CATEGORY	A	B	C	D
S-31	1620-1 647 (700-1)		1620-1¾ 647 (700-1¾)	1620-2 647 (700-2)
C CIRCLING	1620-1 646 (700-1)		1620-1⅞ 645 (700-1⅞)	1840-2¾ 865 (900-2¾)
TUWAJ FIX MINIMUMS				
S-31	1360-1 387 (400-1)			1360-1¼ 387 (400-1¼)
C CIRCLING	1400-1 426 (500-1)	1440-1 466 (500-1)	1460-1½ 485 (500-1½)	1840-2¾ 865 (900-2¾)

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 72807 W14A	APP CRS 143°	Rwy ldg 4600 TDZE 1142 Apt Elev 1145

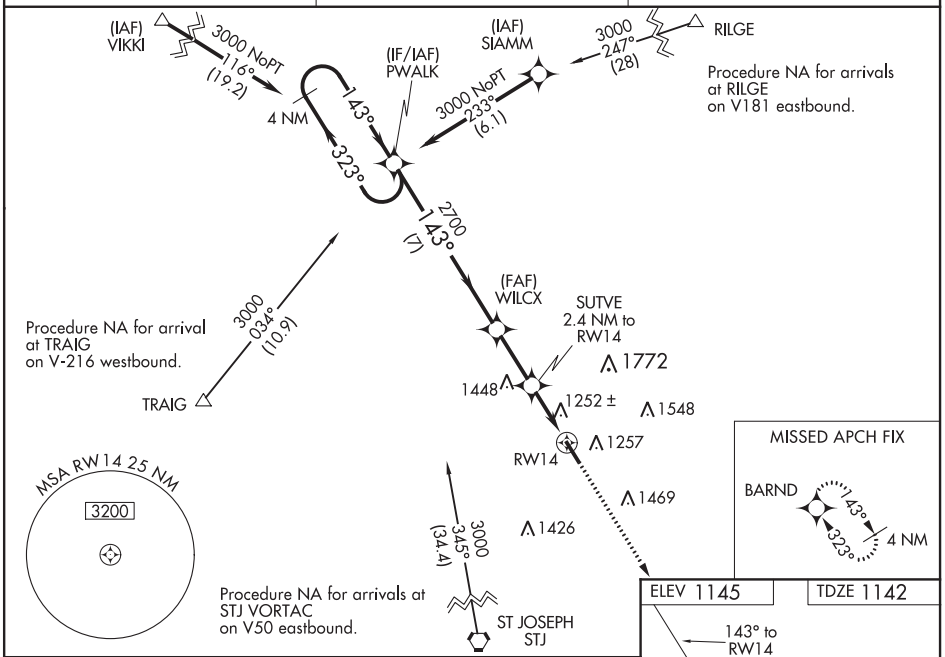
RNAV (GPS) RWY 14
NORTHWEST MISSOURI RGNL (EVU)

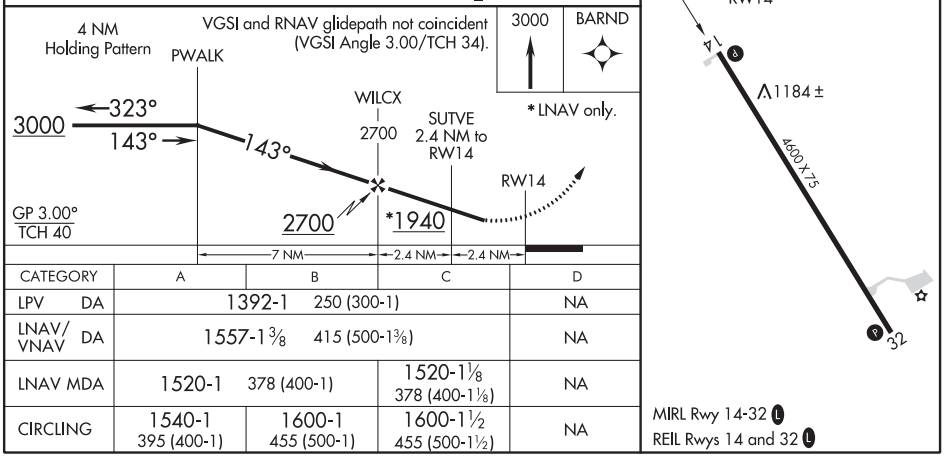
NA

Baro-VNAV NA when using St. Joseph altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use St. Joseph altimeter setting and increase LPV DA to 1513 feet, LNAV/VNAV DA to 1678 feet, and all MDA 140 feet, increase LPV visibility ¼ mile all Cats, LNAV/VNAV visibility ½ mile all Cats and LNAV Cat C ⅜ mile. Circling NA east of Rwy 14-32. When VGSI inop, Straight-in/Circling Rwy 14 procedure NA at night.

MISSED APPROACH: Climb to 3000 direct BARND and hold.

AWOS-3PT	MINNEAPOLIS CENTER	UNICOM
118.225	119.6 290.4	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1392-1 250 (300-1)			NA
LNAV/VNAV DA	1557-1⅜ 415 (500-1⅜)			NA
LNAV MDA	1520-1 378 (400-1)		1520-1⅛ 378 (400-1⅛)	NA
CIRCLING	1540-1 395 (400-1)	1600-1 455 (500-1)	1600-1½ 455 (500-1½)	NA

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

MARYVILLE, MISSOURI | AL-6534 (FAA) | 19115

WAAS CH 73022 W32A	APP CRS 323°	Rwy ldg 4600 TDZE 1145 Apt Elev 1145

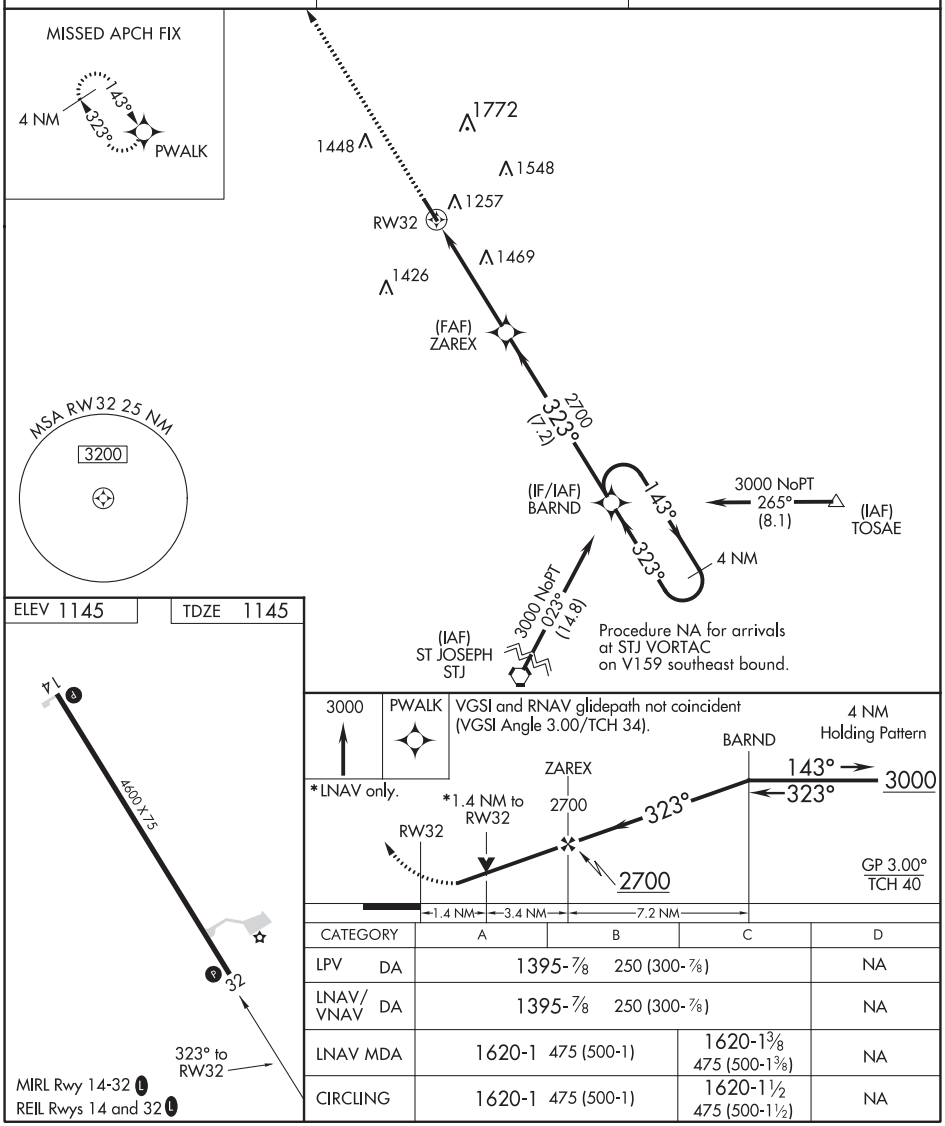
RNAV (GPS) RWY 32
NORTHWEST MISSOURI RGNL (EVU)

Baro-VNAV NA when using St Joseph altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Helicopter visibility reduction below ¾ SM NA. When local altimeter setting not received, use St Joseph altimeter setting: increase LPV and LNAV/VNAV DA to 1520 feet and all Cats visibility ⅜ mile; increase all MDA 140 feet, LNAV Cat C visibility ⅜ mile and Circling Cat C visibility ¼ mile. VDP NA when using St Joseph altimeter setting. Circling NA east of Rwy 14-32.

NA

MISSED APPROACH: Climb to 3000 direct PWALK and hold.

AWOS-3PT	MINNEAPOLIS CENTER	UNICOM
118.225	119.6 290.4	122.8 (CTAF) L



CATEGORY		A	B	C	D
LPV	DA	1395-⅞ 250 (300-⅞)			NA
LNAV/VNAV	DA	1395-⅞ 250 (300-⅞)			NA
LNAV MDA		1620-1 475 (500-1)		1620-1⅜ 475 (500-1⅜)	NA
CIRCLING		1620-1 475 (500-1)		1620-1½ 475 (500-1½)	NA

MARYVILLE, MISSOURI
Amdt 1A 29MAY14

40°21′N-94°55′W

NORTHWEST MISSOURI RGNL (EVU)
RNAV (GPS) RWY 32

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

ILS or LOC RWY 36
MASON CITY MUNI (MCW)

LOC I-MCW	APP CRS	Rwy ldg	6401
109.5	360°	TDZE	1193
		Apt Elev	1213

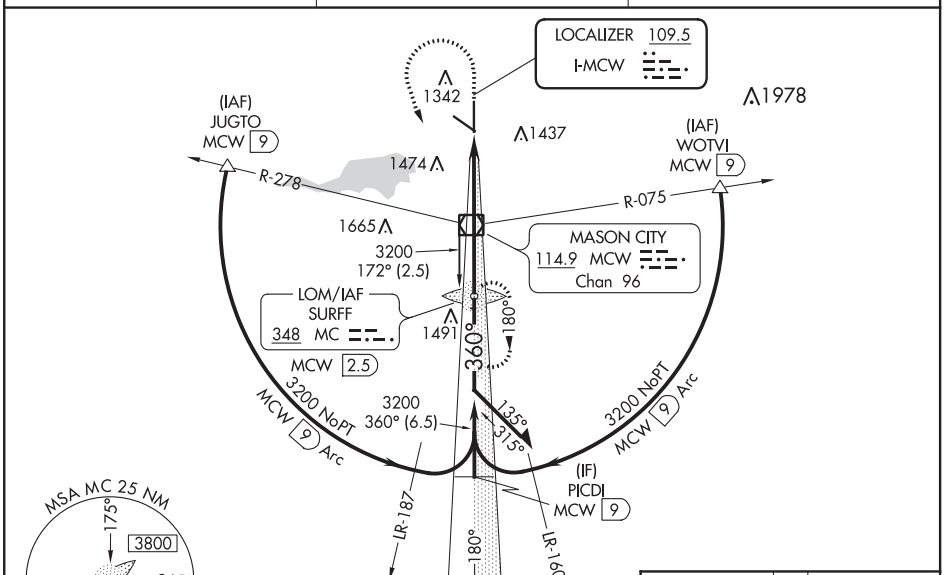
ADF or DME required for procedure entry. ADF required.

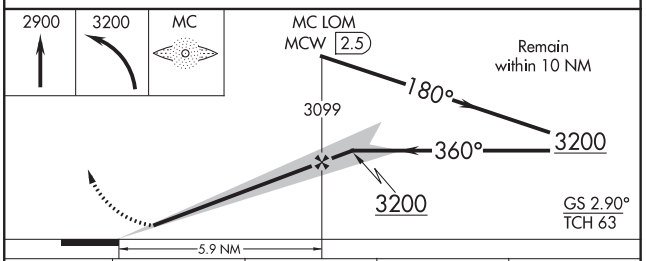
For inoperative ALS, increase S-LOC 36 Cats C/D visibility to 1¾ SM. For inoperative ALS, when using Charles City altimeter setting, increase S-ILS 36 all Cats visibility to ⅞ SM and S-LOC 36 Cats C/D visibility to 2 SM. When local altimeter setting not received, use Charles City altimeter setting and increase DA 87 feet and all MDA 100 feet; increase S-LOC 36 Cat C/D visibility ¼ SM and Circling Cat C/D visibility ¼ SM.

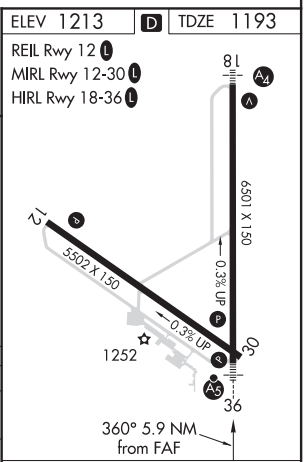
MALSR

MISSED APPROACH: Climb to 2900 then climbing left turn to 3200 direct SURFF LOM/MCW VOR/DME 2.5 DME and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
120.3	127.3 257.675	123.0 (CTAF)







CATEGORY	A	B	C	D
S-ILS 36	1393-½ 200 (200-½)			
S-LOC 36	1800-½ 607 (600-½)		1800-1⅜ 607 (600-1⅜)	
CIRCLING	1800-1 587 (600-1)		1800-1¾ 587 (600-1¾)	1800-2 587 (600-2)

FAF to MAP 5.9 NM

Knots	60	90	120	150	180
Min:Sec	5:54	3:56	2:57	2:22	1:58

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

MASON CITY, IOWA | AL-667 (FAA) | 20310

RNAV (GPS) RWY 18
MASON CITY MUNI (MCW)

WAAS CH 40100 W18A	APP CRS 180°	Rwy ldg 6501 TDZE 1213 Apt Elev 1213

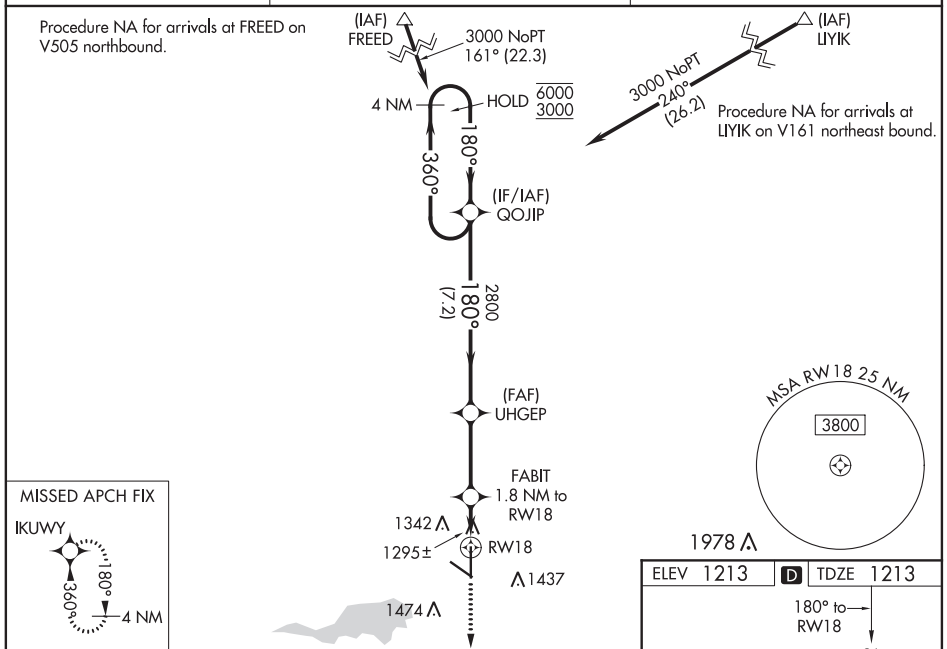
RNP APCH.

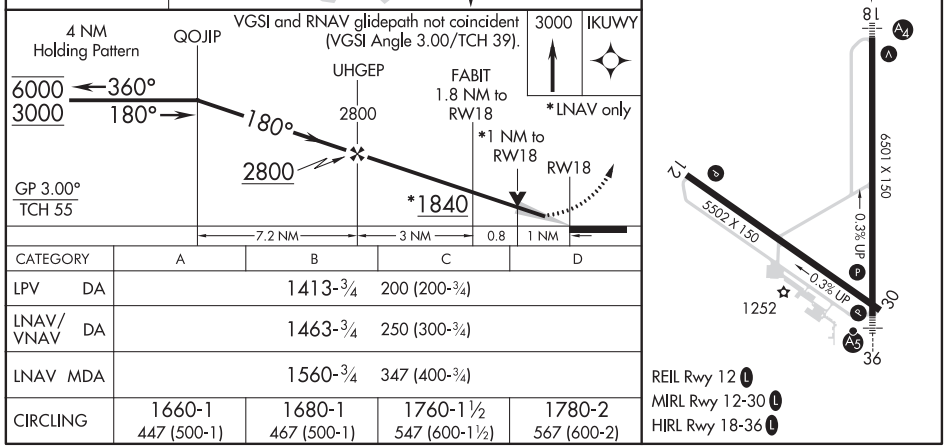
Baro-VNAV and VDP NA when using Charles City altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 54°C. Inop table does not apply to LPV and LNAV/VNAV. When local altimeter setting not received, use Charles City altimeter setting and increase all DA 87 feet; increase all MDA 100 feet and LNAV Cats C/D and Circling Cat C visibility ¼ SM. For inop MALS when using Charles City altimeter setting, increase LPV and LNAV/VNAV all Cats visibility ⅛ SM; LNAV Cats C/D visibility to 1⅜ SM.

MALS

MISSED APPROACH: Climb to 3000 direct IKUWY and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
120.3	127.3 257.675	123.0 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1413-¾ 200 (200-¾)			
LNAV/VNAV DA	1463-¾ 250 (300-¾)			
LNAV MDA	1560-¾ 347 (400-¾)			
CIRCLING	1660-1 447 (500-1)	1680-1 467 (500-1)	1760-1½ 547 (600-1½)	1780-2 567 (600-2)

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 40122 W30A	APP CRS 305°	Rwy ldg 5501 TDZE 1195 Apt Elev 1213

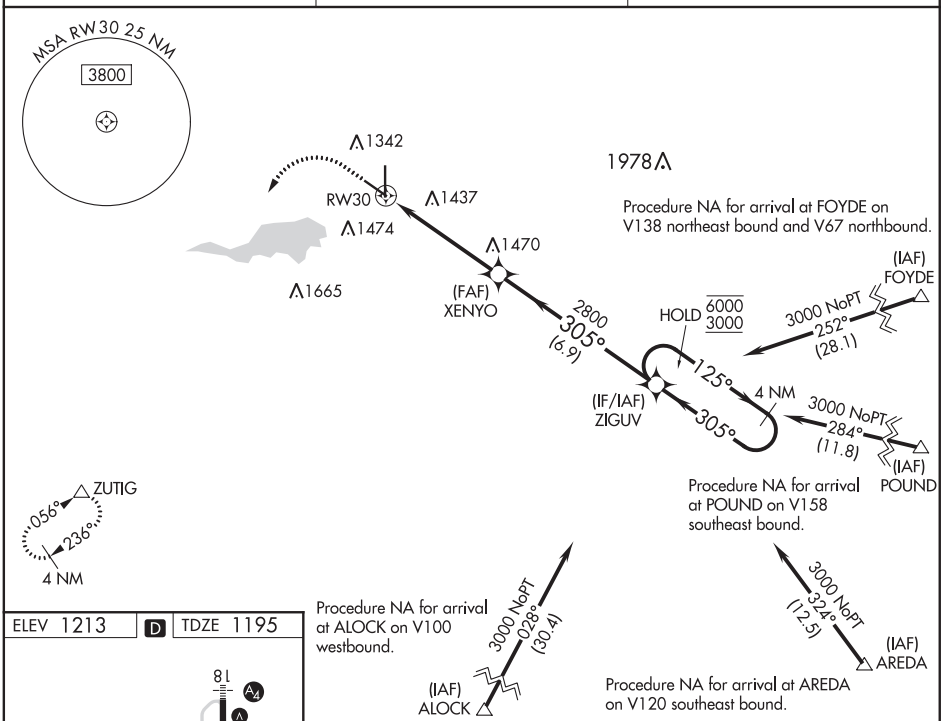
RNAV (GPS) RWY 30
MASON CITY MUNI (MCW)

RNP APCH.

Rwy 30 helicopter visibility reduction below ¾ SM NA. VDP NA when using Charles City altimeter setting. When local altimeter setting not received, use Charles City altimeter setting and increase all MDA 100 feet and increase LP and LNAV Cat C and D visibility ⅜ SM and Circling Cat C and D visibility ¼ SM.

MISSED APPROACH: Climb to 2500, then climbing left turn to 3000 direct ZUTIG and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
120.3	127.3 257.675	123.0 (CTAF) L



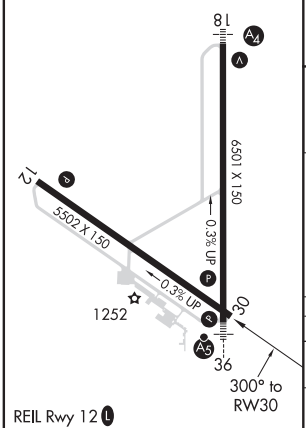
Procedure NA for arrival at FOYDE on V138 northeast bound and V67 northbound.

Procedure NA for arrival at POUND on V158 southeast bound.

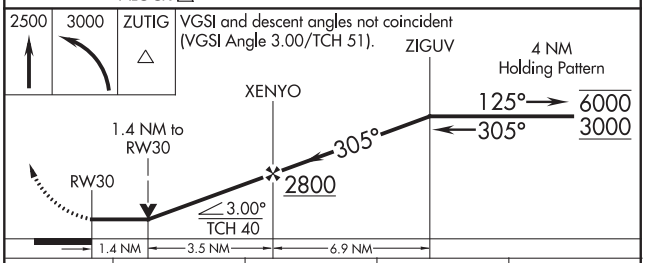
Procedure NA for arrival at ALOCK on V100 westbound.

Procedure NA for arrival at AREDA on V120 southeast bound.

ELEV 1213 D TDZE 1195



REIL Rwy 12 L
MIRL Rwy 12-30 L
HIRL Rwy 18-36 L



CATEGORY	A	B	C	D
LP MDA	1680-1 485 (500-1)		1680-1⅜ 485 (500-1⅜)	
LNAV MDA	1680-1 485 (500-1)		1680-1⅜ 485 (500-1⅜)	
CIRCLING	1680-1 467 (500-1)		1760-1½ 547 (600-1½)	1780-2 567 (600-2)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

MASON CITY, IOWA | AL-667 (FAA) | 20310

WAAS CH 93522 W36A	APP CRS 360°	Rwy ldg 6401 TDZE 1193 Apt Elev 1213

RNAV (GPS) RWY 36
MASON CITY MUNI (MCW)

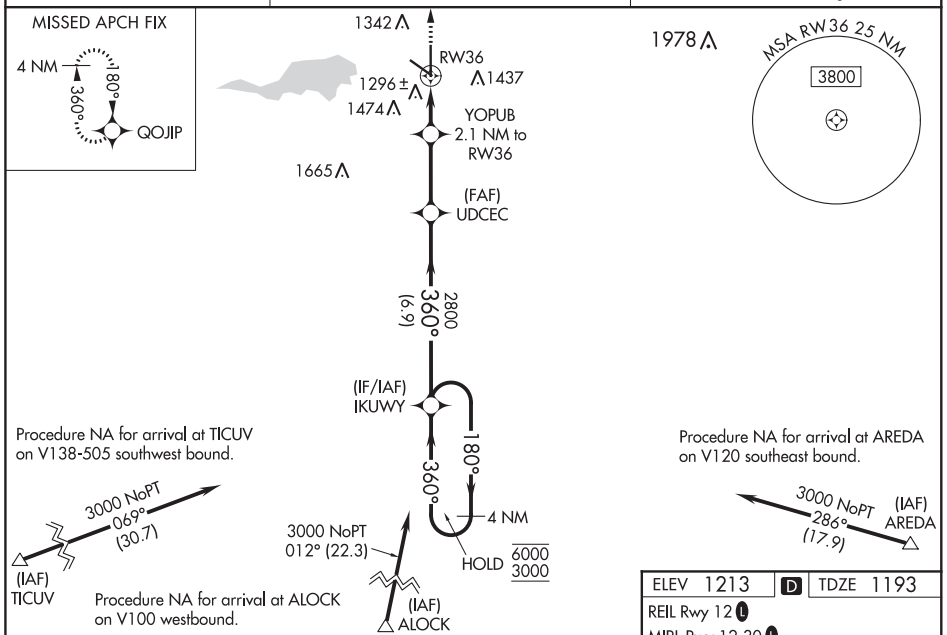
RNP APCH.

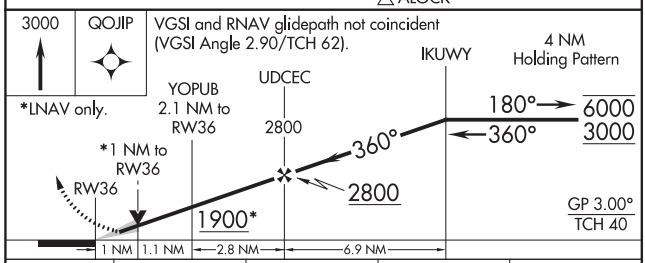
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 54°C. When local altimeter setting not received, use Charles City altimeter setting: increase LPV DA to 1480 feet, LNAV/VNAV DA to 1562 and LNAV/VNAV visibility ¼ SM; increase all MDA 100 feet and LNAV Cats C and D visibility ⅜ SM and Circling Cat C ¼ SM. For inop MALSR when using Charles City altimeter setting, increase LPV visibility to 1 SM and LNAV Cats C/D to 1⅜ SM. Baro-VNAV and VDP NA when using Charles City altimeter setting. For inop MALSR, increase LNAV/VNAV visibility to ⅞ SM and LNAV Cats C and D to 1 SM.

MALSR

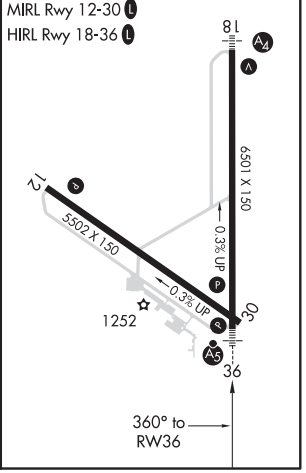
MISSED APPROACH: Climb to 3000 direct QOJIP and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
120.3	127.3 257.675	123.0 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1393-½ 200 (200-½)			
LNAV/VNAV DA	1475-½ 282 (300-½)			
LNAV MDA	1560-½ 367 (400-½)		1560-⅝ 367 (400-⅝)	
CIRCLING	1660-1 447 (500-1)	1680-1 467 (500-1)	1760-1½ 547 (600-1½)	1780-2 567 (600-2)



NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

LOC I-MCW	APP CRS	Rwy ldg	6501
109.5	180°	TDZE	1213
		Apt Elev	1213

LOC BC RWY 18
MASON CITY MUNI (MCW)

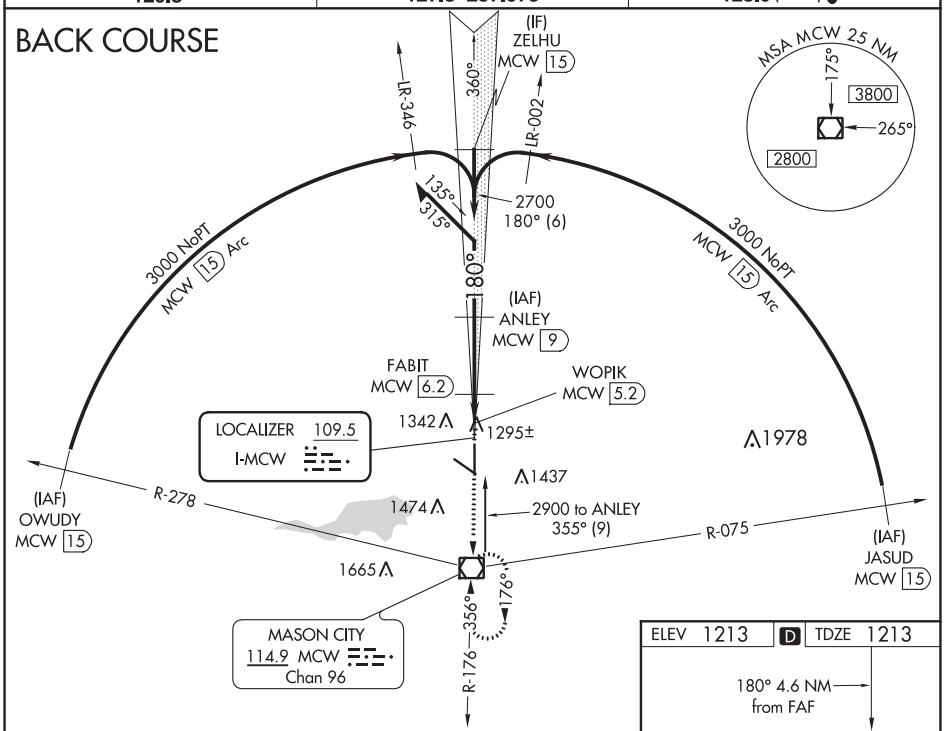
DME required for procedure entry.

T A DME from MCW VOR/DME. Simultaneous reception of I-MCW and MCW DME required. For inoperative ALS, when using Charles City altimeter setting increase S-18 visibility Cats C and D to 1⅜ SM. When local altimeter setting not received, use Charles City altimeter setting and increase all MDA 100 feet, increase S-18 visibility Cats C and D ¼ SM and Circling Cat C ¼ SM.

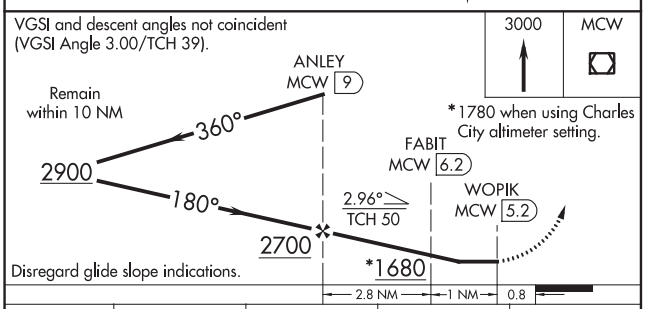
MALS A4

MISSED APPROACH: Climb to 3000 direct MCW VOR/DME and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
120.3	127.3 257.675	123.0 (CTAF) L

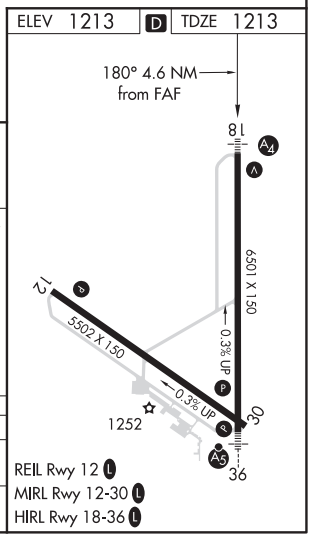


VGSI and descent angles not coincident
(VGSI Angle 3.00/TCH 39).



*1780 when using Charles City altimeter setting.

CATEGORY	A	B	C	D
S-18	1560-¾ 347 (400-¾)			
CIRCLING	1660-1 447 (500-1)	1680-1 467 (500-1)	1760-1½ 547 (600-1½)	1780-2 567 (600-2)



NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

MASON CITY, IOWA | AL-667 (FAA) | 20310

VOR RWY 36
MASON CITY MUNI (MCW)

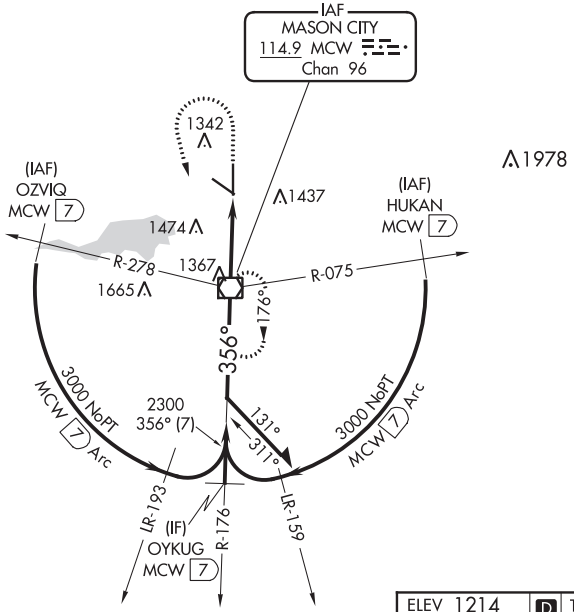
VOR/DME MCW	APP CRS	Rwy ldg	6401
114.9	356°	TDZE	1193
Chan 96		Apt Elev	1214

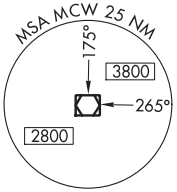
VDP NA with Charles City altimeter setting. When local altimeter setting not received, use Charles City altimeter setting and increase all MDA 100 feet and increase S-36 Cat C/D and Circling Cat C visibility ¼ mile.

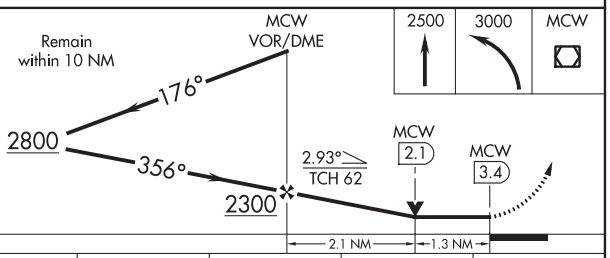
MALSR

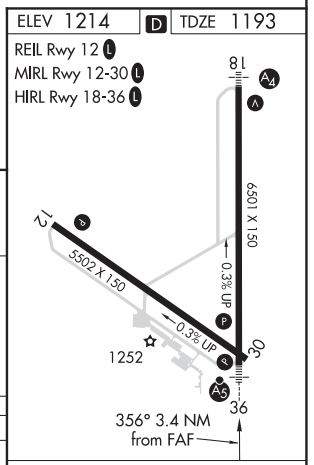
MISSED APPROACH: Climb to 2500 then climbing left turn to 3000 direct MCW VOR/DME and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
120.3	127.3 257.675	123.0 (CTAF) L









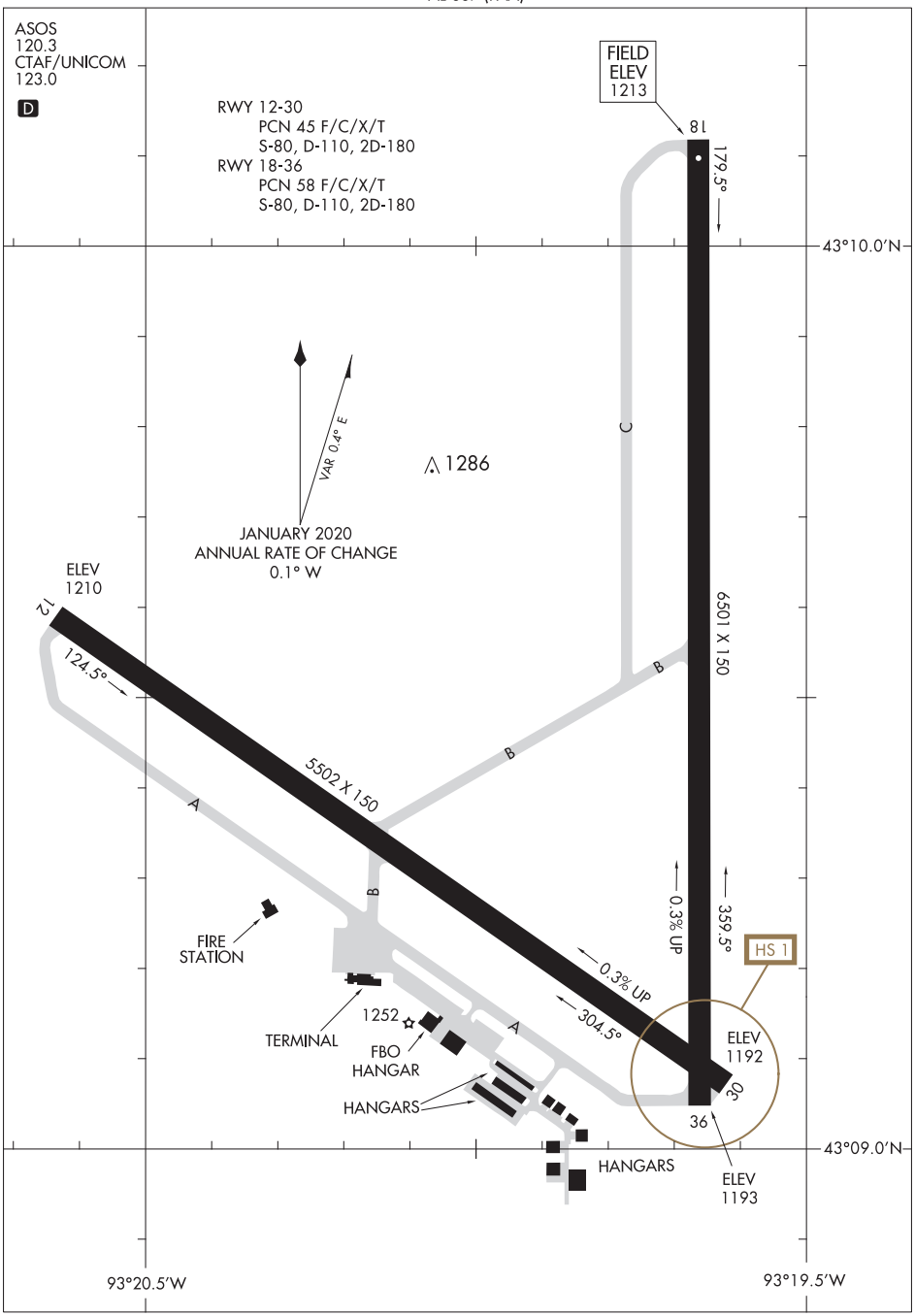
CATEGORY	A	B	C	D
S-36	1640-¾ 447 (500-¾)		1640-⅞ 447 (500-⅞)	
CIRCLING	1660-1 446 (500-1)	1680-1 466 (500-1)	1760-1½ 546 (600-1½)	1780-2 566 (600-2)

FAF to MAP 3.4 NM					
Knots	60	90	120	150	180
Min:Sec	3:24	2:16	1:42	1:22	1:08

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

AL-667 (FAA)


ASOS
120.3
CTAF/UNICOM
123.0
D
RWY 12-30
PCN 45 F/C/X/T
S-80, D-110, 2D-180
RWY 18-36
PCN 58 F/C/X/T
S-80, D-110, 2D-180
FIELD
ELEV
1213
18
179.5°
43°10.0'N
VAR 0.4° E
1286
JANUARY 2020
ANNUAL RATE OF CHANGE
0.1° W
ELEV
1210
12
124.5°
5502 X 150
6501 X 150
C
B
A
0.3% UP
359.5°
304.5°
HS 1
FIRE
STATION
TERMINAL
1252
FBO
HANGAR
HANGARS
ELEV
1192
30
36
HANGARS
ELEV
1193
43°09.0'N
93°20.5'W
93°19.5'W

MAURICE, IOWA | AL-11316 (FAA) | 19283

WAAS CH 82242 W17A	APP CRS 173°	Rwy ldg 5500 TDZE 1409 Apt Elev 1409

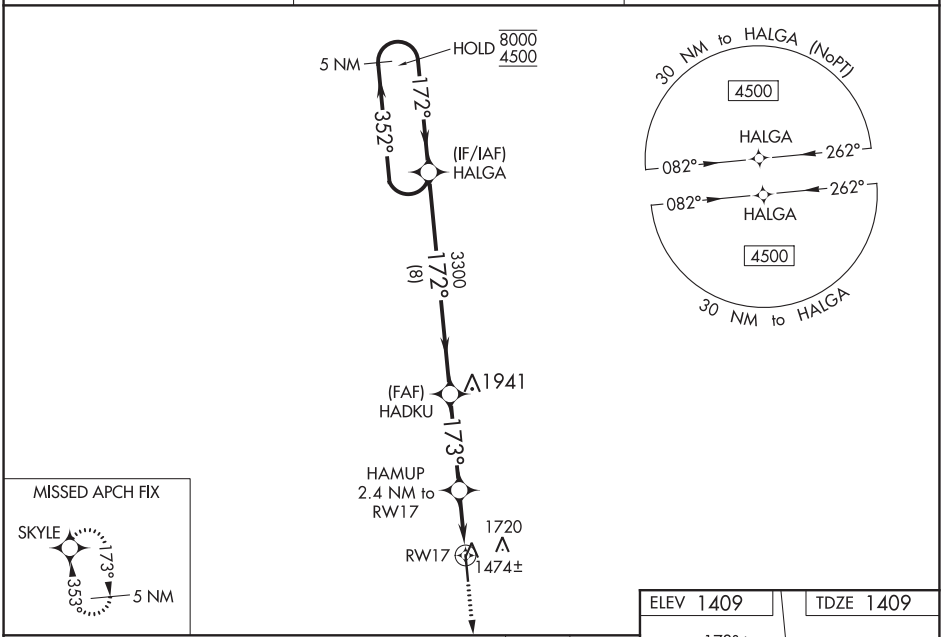
RNAV (GPS) RWY 17
SIOUX COUNTY RGNL (SXK)

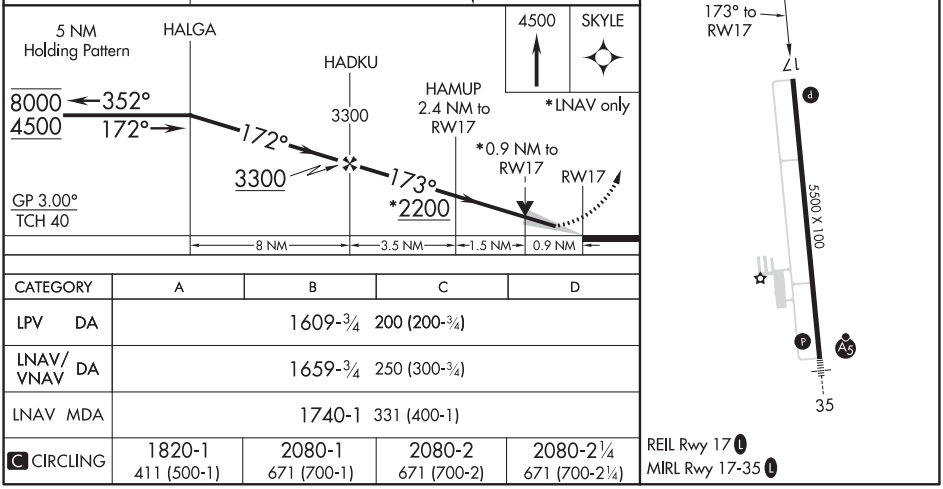
RNP APCH.

Baro-VNAV and VDP NA when using Le Mars altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 34°C. When local altimeter setting not received, use Le Mars altimeter setting: increase DA 59 feet and all MDA 60 feet. Increase LNAV/VNAV all Cats visibility to ⅞ SM and LNAV Cat C/D visibilities to ⅞ SM.

MISSED APPROACH: Climb to 4500 direct SKYLE and hold.

AWOS-3P	SIOUX CITY APP CON *	UNICOM
120.075	124.6 307.0	122.7 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1609-¾ 200 (200-¾)			
LNAV/VNAV DA	1659-¾ 250 (300-¾)			
LNAV MDA	1740-1 331 (400-1)			
C CIRCLING	1820-1 411 (500-1)	2080-1 671 (700-1)	2080-2 671 (700-2)	2080-2¼ 671 (700-2¼)

MAURICE, IOWA
Orig 28FEB19

42°59′N-96°10′W

SIOUX COUNTY RGNL (SXK)
RNAV (GPS) RWY 17

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 93742 W35A	APP CRS 353°	Rwy ldg 5500 TDZE 1409 Apt Elev 1409

RNAV (GPS) RWY 35
SIOUX COUNTY RGNL (SXK)

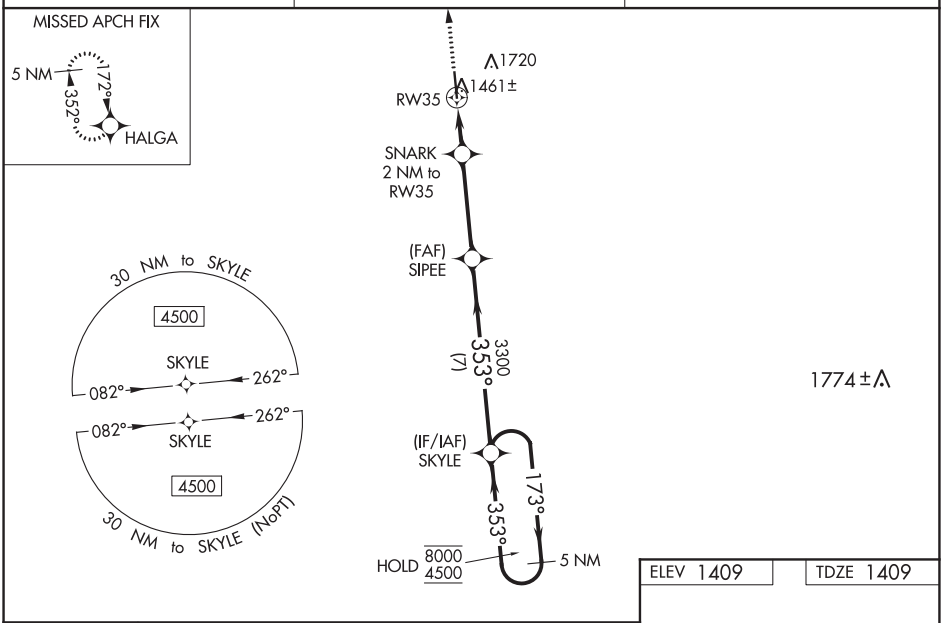
RNP APCH.

Baro-VNAV and VDP NA when using Le Mars altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 54°C. When local altimeter setting not received; use Le Mars altimeter setting: increase DA 59 feet and all MDA 60 feet, increase LNAV visibility Cat C/D to ⅝ SM. For inop ALS, increase LNAV/VNAV all Cats visibility to ¾ SM, and LNAV Cat C/D visibility to ⅞ SM. For inop ALS when using Le Mars altimeter setting increase LNAV/VNAV all Cats visibility to ⅞ SM.

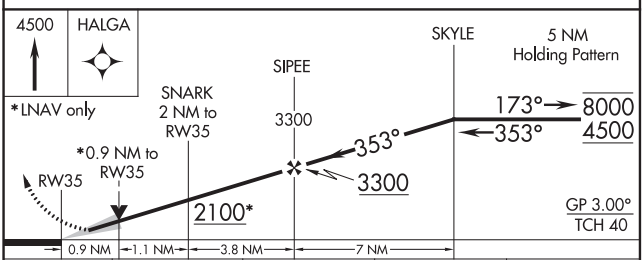
MALSR

MISSED APPROACH: Climb to 4500 direct HALGA and hold.

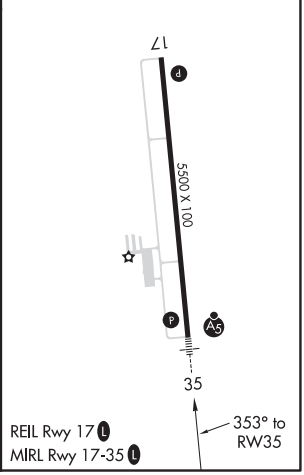
AWOS-3P	SIOUX CITY APP CON *	UNICOM
120.075	124.6 307.0	122.7 (CTAF) L



ELEV 1409	TDZE 1409



CATEGORY	A	B	C	D
LPV DA	1609-½ 200 (200-½)			
LNAV/VNAV DA	1659-½ 250 (300-½)			
LNAV MDA	1720-½ 311 (400-½)			
C CIRCLING	1820-1 411 (500-1)	2080-1 671 (700-1)	2080-2 671 (700-2)	2080-2¼ 671 (700-2¼)



NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

MEMPHIS, MISSOURI AL-10409 (FAA) 21056

WAAS CH 93637 W12A	APP CRS 119°	Rwy ldg 3300 TDZE 813 Apt Elev 813

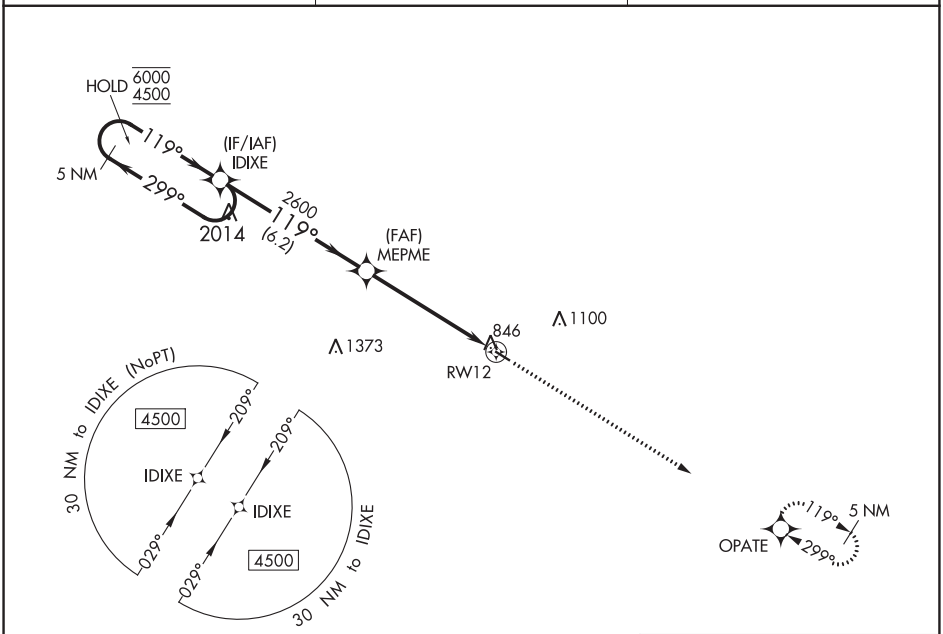
RNAV (GPS) RWY 12
MEMPHIS MEML (Ø3D)

RNP APCH.

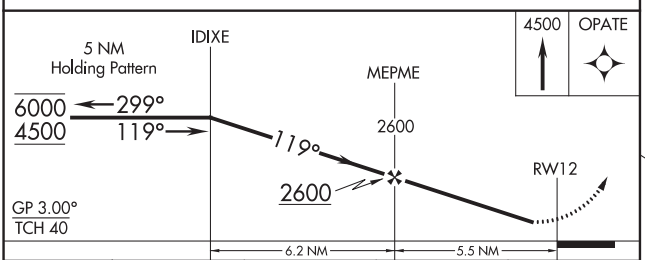
T NA Rwy 12 helicopter visibility reduction below ¾ SM NA. Baro-VNAV NA. Use Kirksville altimeter setting.

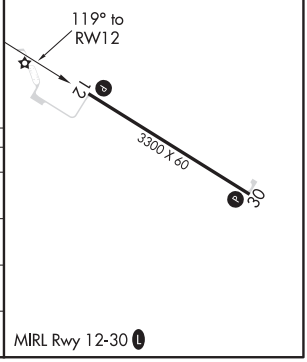
MISSED APPROACH: Climb to 4500 direct OPATE and hold, continue climb-in-hold to 4500.

IRK ASOS	KANSAS CITY CENTER	CTAF
121.125	126.225 317.775	122.9 L



ELEV 813 TDZE 813





MIRL Rwy 12-30 L

CATEGORY	A	B	C	D
LPV DA	1144-1 331 (400-1)			NA
LNAV/VNAV DA	1144-1 331 (400-1)			NA
LNAV MDA	1360-1 547 (600-1)		1360-1⅜ 547 (600-1⅜)	NA
C CIRCLING	1360-1 547 (600-1)		1500-2 687 (700-2)	NA

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 86437 W30A	APP CRS 299°	Rwy ldg 3300 TDZE 813 Apt Elev 813

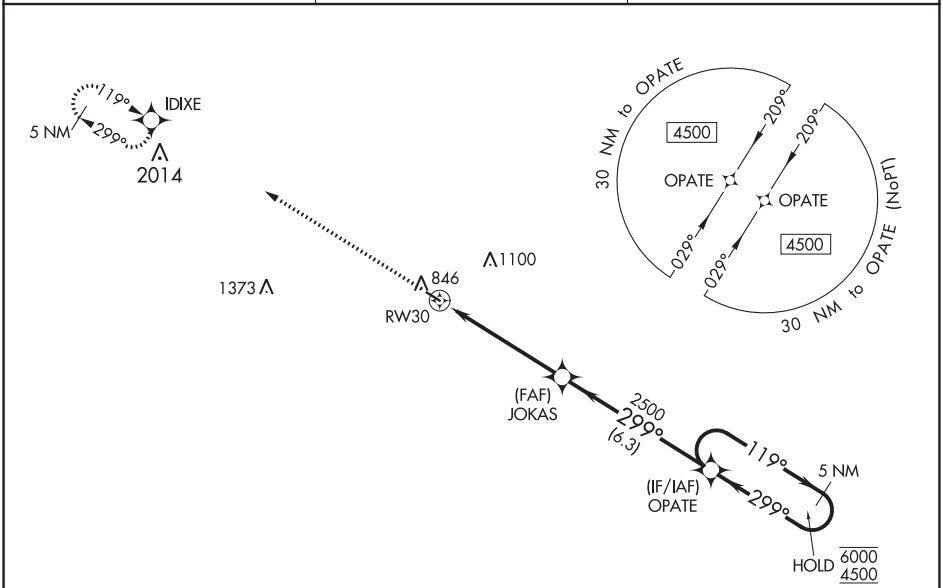
RNAV (GPS) RWY 30
MEMPHIS MEML (Ø3D)

RNP APCH.

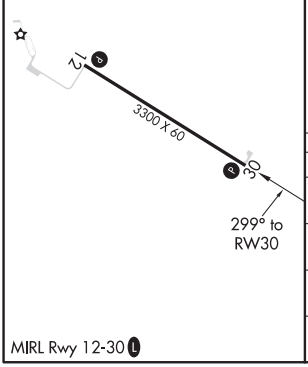
Rwy 30 helicopter visibility reduction below ¾ SM NA.
NA Baro-VNAV NA. Use Kirksville altimeter setting.

MISSED APPROACH: Climb to 4500 direct IDIXE and hold, continue climb-in-hold to 4500.

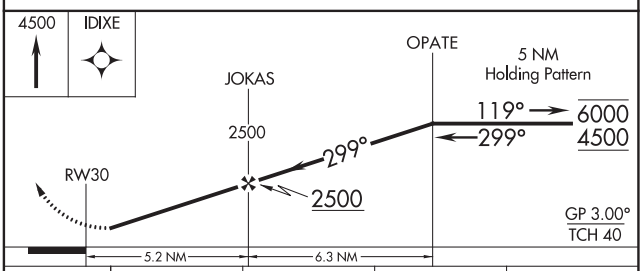
IRK ASOS	KANSAS CITY CENTER	CTAF
121.125	126.225 317.775	122.9 L



ELEV 813 TDZE 813



MIRL Rwy 12-30 L



CATEGORY	A	B	C	D
LPV DA	1144-1 331 (400-1)			NA
LNAV/VNAV DA	1144-1 331 (400-1)			NA
LNAV MDA	1340-1 527 (600-1)		1340-1½ 527 (600-1½)	NA
C CIRCLING	1340-1 527 (600-1)		1500-2 687 (700-2)	NA

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

MEXICO, MISSOURI | AL-5586 (FAA) | 20254

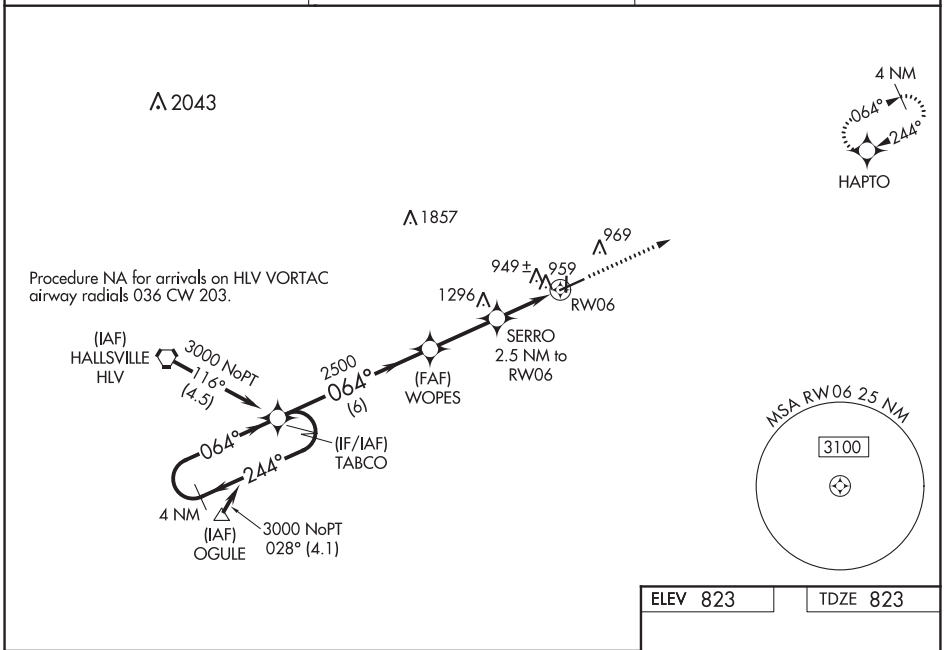
WAAS CH 97423 W06A	APP CRS 064°	Rwy ldg 5501 TDZE 823 Apt Elev 823

RNAV (GPS) RWY 6
MEXICO MEMORIAL (MYJ)

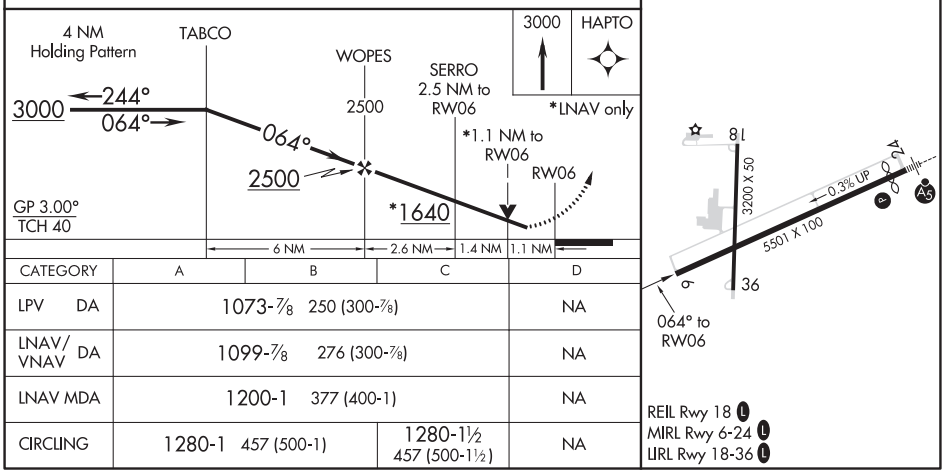
T NA For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). When local altimeter setting not received, use Columbia Rgnl altimeter setting and increase all DA 121 feet, all MDA 140 feet, increase LPV all Cats visibility to 1¼, LNAV/VNAV all Cats and LNAV Cat C visibility to 1⅜. DME/DME RNP-0.3 NA. Helicopter visibility reduction below ¾ SM NA. VDP and Baro-VNAV NA when using Columbia Rgnl altimeter setting.

MISSED APPROACH: Climb to 3000 direct HAPTO and hold.

AWOS-3PT	MIZZU APP CON	CTAF
120.575	124.375	122.9 L



ELEV 823	TDZE 823



CATEGORY	A	B	C	D
LPV DA	1073-⅞ 250 (300-⅞)			NA
LNAV/VNAV DA	1099-⅞ 276 (300-⅞)			NA
LNAV MDA	1200-1 377 (400-1)			NA
CIRCLING	1280-1 457 (500-1)		1280-1½ 457 (500-1½)	NA

MEXICO, MISSOURI
Amdt 1B 21JUL16

39°09′N-91°49′W

MEXICO MEMORIAL (MYJ)
RNAV (GPS) RWY 6

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 56213 W24A	APP CRS 244°	Rwy ldg 5130 TDZE 817 Apt Elev 823

RNAV (GPS) RWY 24
MEXICO MEMORIAL (MYJ)

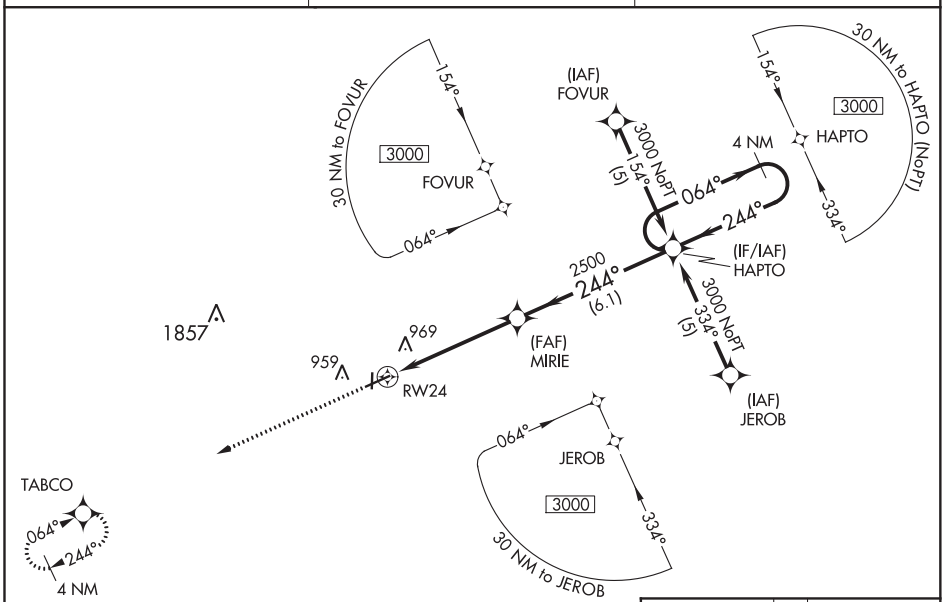
T NA

Helicopter visibility reduction below ¾ SM NA. Inoperative table does not apply. DME/DME RNP-0.3 NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). When local altimeter setting not received, use Columbia Rgnl altimeter setting and increase all DA/MDA 80 feet. Baro-VNAV NA when using Columbia Rgnl altimeter setting.

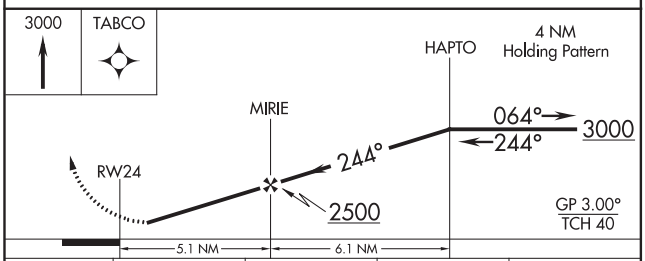
MALSR A5

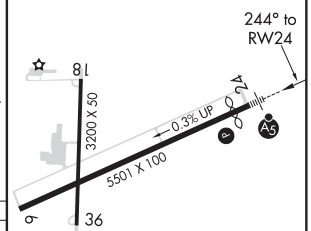
MISSED APPROACH: Climb to 3000 direct TABCO and hold.

AWOS-3PT	MIZZU APP CON	CTAF
120.575	124.375	122.9 L



ELEV 823 TDZE 817





CATEGORY	A	B	C	D
LPV DA	1126-1 309 (400-1)			NA
LNAV/VNAV DA	1278-1¾ 461 (500-1¾)			NA
LNAV MDA	1220-1 403 (400-1)		1220-1¼ 403 (400-1¼)	NA
CIRCLING	1280-1 457 (500-1)		1280-1½ 457 (500-1½)	NA

REIL Rwy 18 L
MIRL Rwy 6-24 L
LIRL Rwy 18-36 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

MEXICO, MISSOURI | AL-5586 (FAA) | 20254

LOC/DME RWY 24
MEXICO MEMORIAL (MYJ)

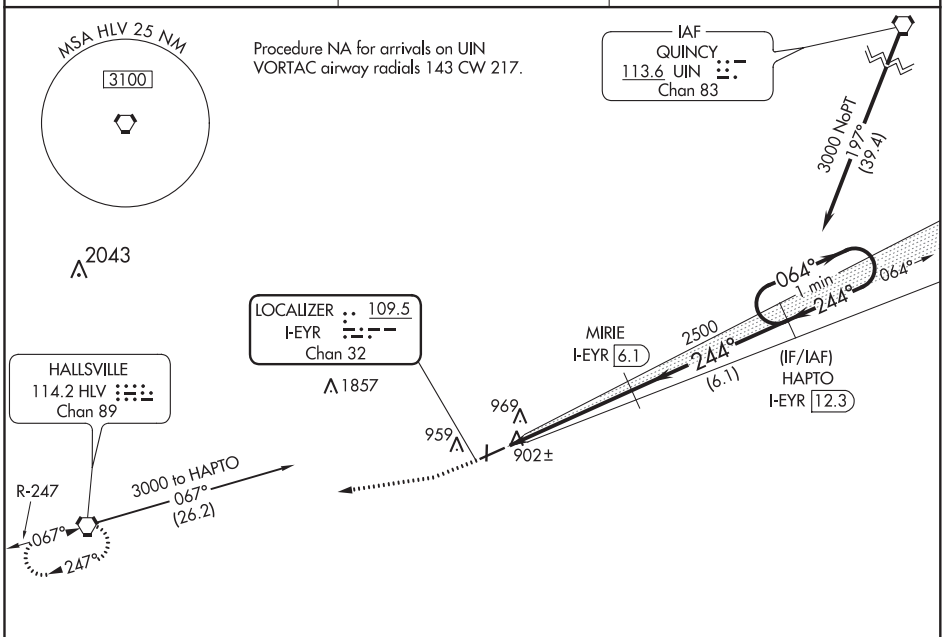
LOC/DME I-EYR	APP CRS	Rwy ldg	5130
109.5	244°	TDZE	817
Chan 32		Apt Elev	823

T NA — Helicopter visibility reduction below ¾ SM NA. When local altimeter setting not received, use Columbia Rgnl altimeter setting and increase all MDA 80 feet. Inoperative table does not apply.

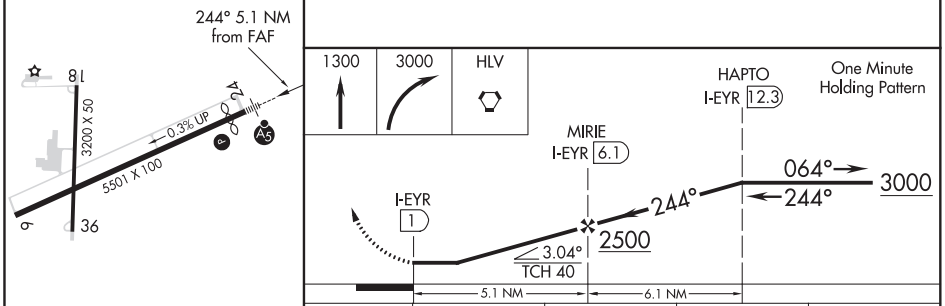
MALSR A5

MISSED APPROACH: Climb to 1300 then climbing right turn to 3000 direct HLV VORTAC and hold.

AWOS-3PT	MIZZU APP CON	CTAF
120.575	124.375	122.9 L



ELEV 823	TDZE 817



REIL Rwy 18 L
MIRL Rwy 6-24 L
LIRL Rwy 18-36 L

CATEGORY	A	B	C	D
S-24	1160-1 343 (400-1)			NA
CIRCLING	1280-1 457 (500-1)		1280-1½ 457 (500-1½)	NA

NC-3, 25 FEB 2021 to 22 APR 2021

VOR/DME RWY 24
MEXICO MEMORIAL (MYJ)

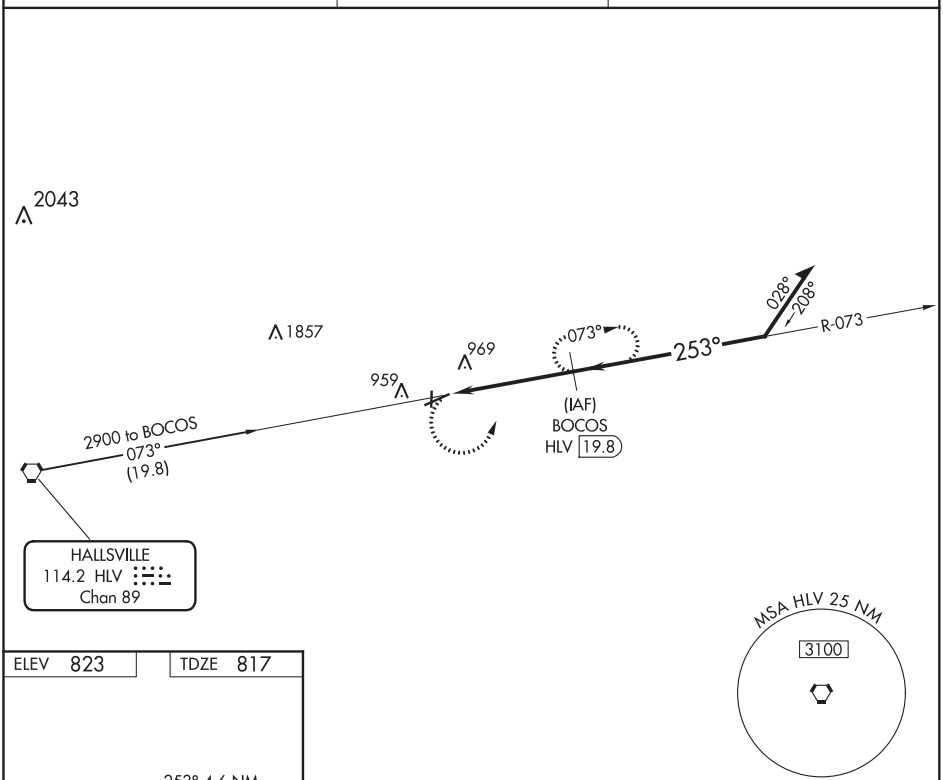
VORTAC HLV	APP CRS	Rwy ldg	5130
114.2	253°	TDZE	817
Chan 89		Apt Elev	823

T A NA Helicopter visibility reduction below ¾ SM NA. When local altimeter setting not received, use Columbia Rgnl altimeter setting and increase all MDA 80 feet. Inop table does not apply.

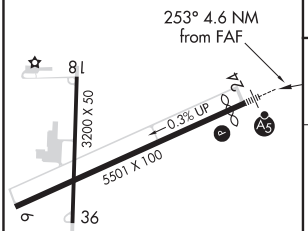
MALSR A5

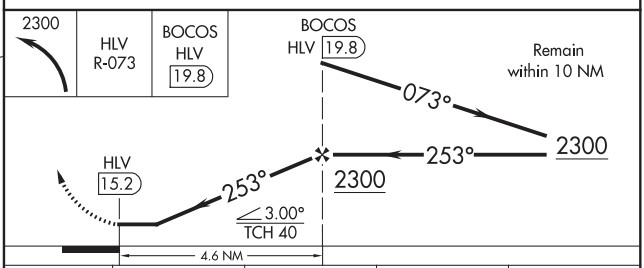
MISSED APPROACH: Climbing left turn to 2300 via HLV R-073 to BOCOS/19.8 DME and hold.

AWOS-3PT	MIZZU APP CON	CTAF
120.575	124.375	122.9 L



ELEV 823	TDZE 817





CATEGORY	A	B	C	D
S-24	1220-1	403 (400-1)	1220-1¼ 403 (400-1¼)	NA
CIRCLING	1280-1	457 (500-1)	1280-1½ 457 (500-1½)	NA

REIL Rwy 18 L
MIRL Rwy 6-24 L
LIRL Rwy 18-36 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

MILFORD, IOWA | AL-6455 (FAA) | 20310

RNAV (GPS)-B
FULLER (4D8)

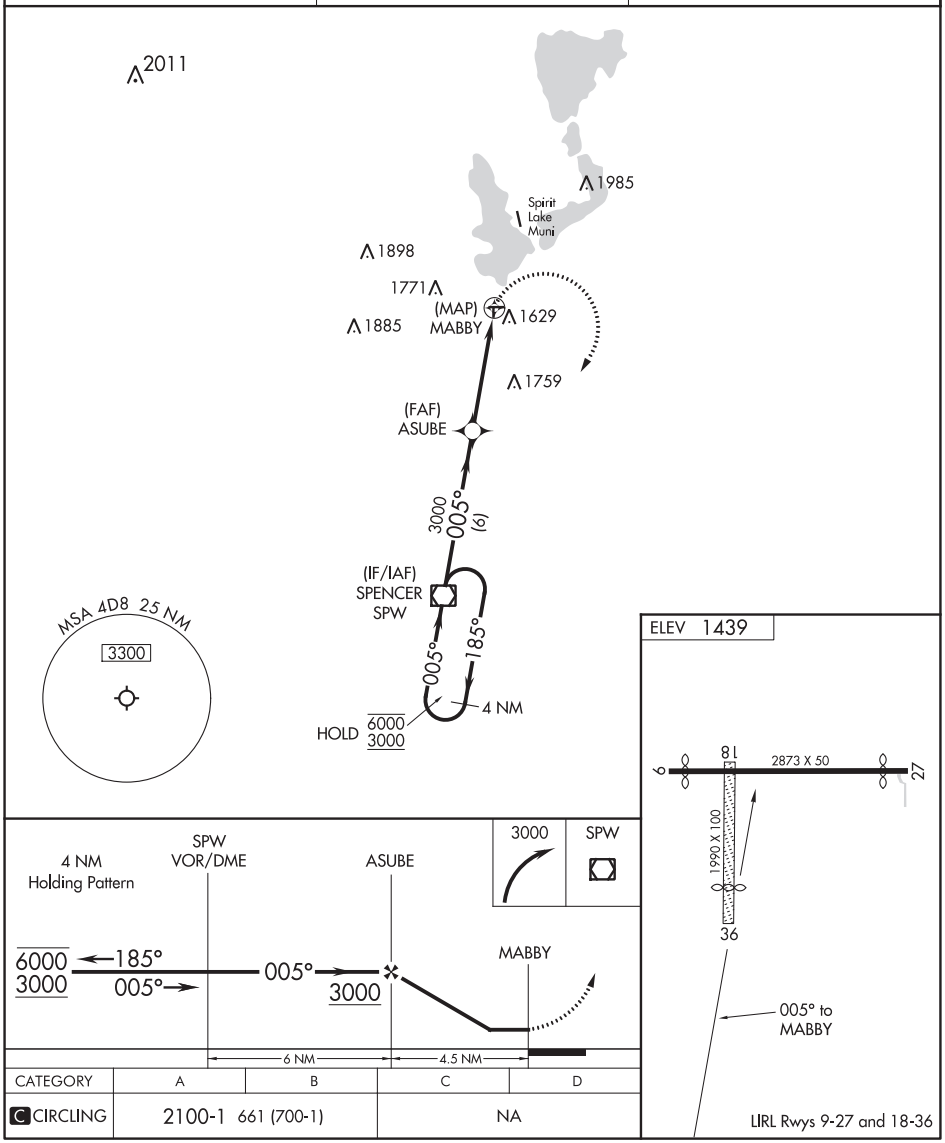
APP CRS	Rwy ldg	N/A
005°	TDZE	N/A
	Apt Elev	1439

RNP APCH.

T A NA Circling NA to Rwys 18 and 36. Procedure NA at night. Use Spencer altimeter setting, when not received, use Estherville altimeter setting and increase all MDA 40 feet.

MISSED APPROACH: Climbing right turn to 3000 direct SPW VOR/DME and hold.

SPW ASOS	MINNEAPOLIS CENTER	CTAF
126.625	127.75 257.7	122.9



CATEGORY	A	B	C	D
C CIRCLING	2100-1 661 (700-1)		NA	

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

VOR-A

FULLER (4D8)

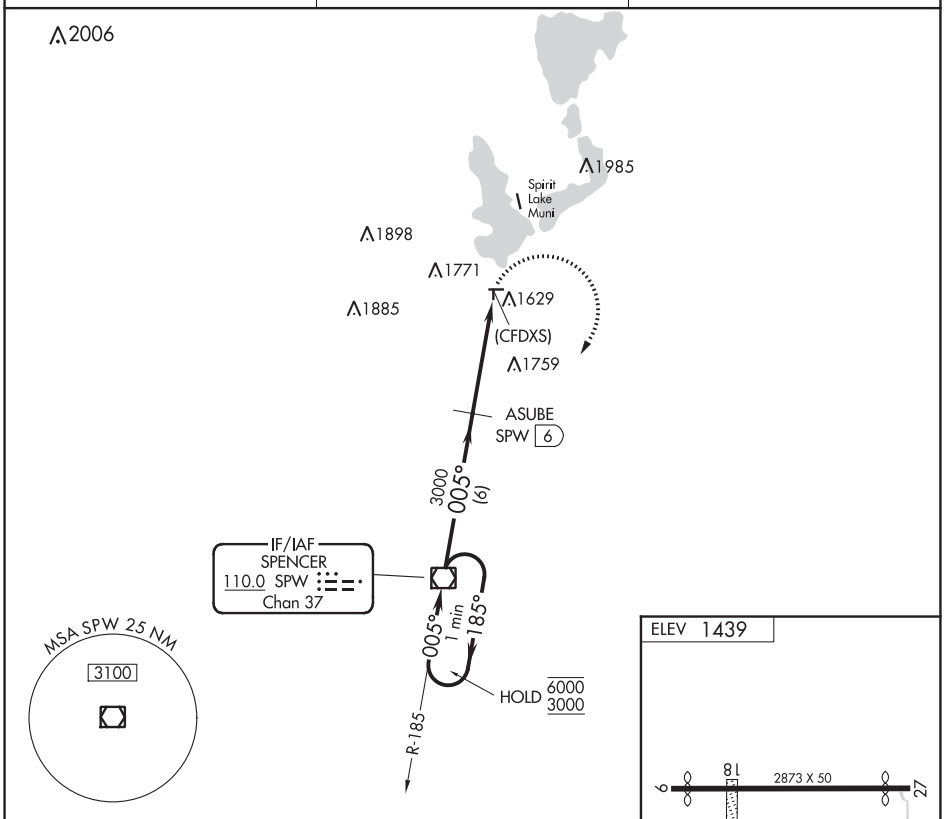
VOR/DME SPW 110.0 Chan 37	APP CRS 005°	Rwy ldg N/A TDZE N/A Apt Elev 1439

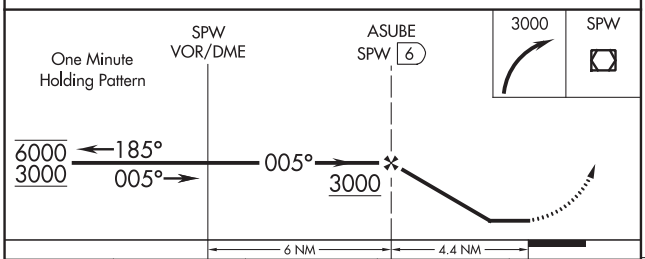
DME required. RADAR required for procedure entry.

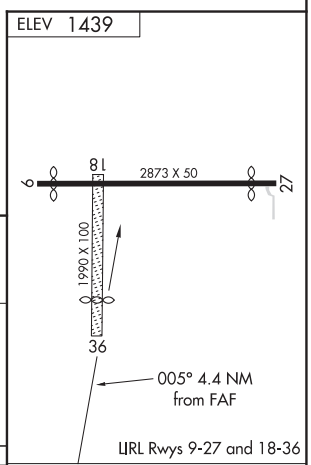
T A NA Circling NA to Rwys 18 and 36. Procedure NA at night. Use Spencer altimeter setting, when not received, use Estherville altimeter setting and increase all MDA 40 feet.

MISSED APPROACH: Climbing right turn to 3000 direct SPW VOR/DME and hold.

SPW ASOS	MINNEAPOLIS CENTER	CTAF
126.625	127.75 257.7	122.9







CATEGORY	A	B	C	D
C CIRCLING	2100-1 661 (700-1)		NA	

FAF to MAP 4.4 NM					
Knots	60	90	120	150	180
Min:Sec	4:24	2:56	2:12	1:46	1:28

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

MOBERLY, MISSOURI | AL-5976 (FAA) | 20086

RNAV (GPS) RWY 13
OMAR N BRADLEY (MBY)

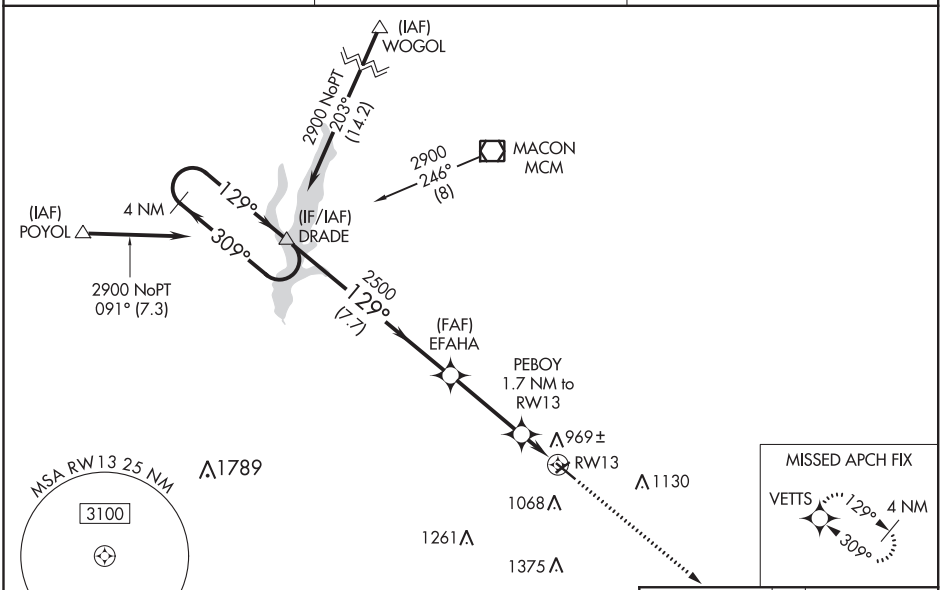
WAAS CH 56621 W13A	APP CRS 129°	Rwy ldg 4691 TDZE 867 Apt Elev 867

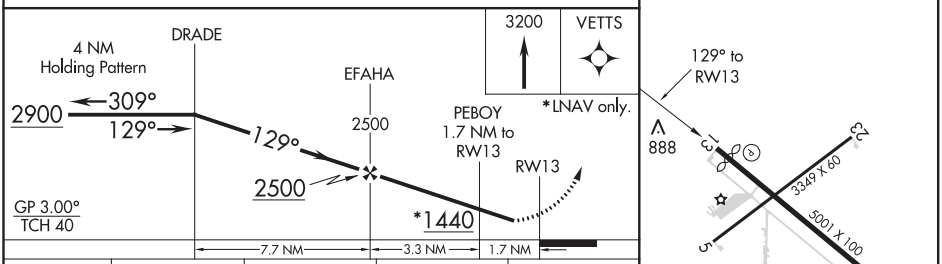
Circling to Rwy 5 NA at night. Baro-VNAV NA when using Columbia altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). When VGSI inop, procedure NA at night. DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Columbia altimeter setting and increase all DA 95 feet and all MDA 100 feet, increase LPV visibility ⅛ mile all Cats, LNAV/VNAV visibility ¼ mile all Cats, LNAV Cat C visibility ⅜ mile and Circling Cat C visibility ¼ mile.

NA

MISSED APPROACH: Climb to 3200 direct VETTS and hold.

AWOS-3P	KANSAS CITY CENTER	UNICOM
120.025	125.25 235.975	122.7 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1117-1 250 (300-1)			NA
LNAV/VNAV DA	1142-1 275 (300-1)			NA
LNAV MDA	1220-1 353 (400-1)			NA
CIRCLING	1420-1 553 (600-1)		1480-1¾ 613 (700-1¾)	NA

REIL Rwys 13 and 31 L
MIRL Rwys 5-23 and 13-31 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 61321 W31A	APP CRS 309°	Rwy ldg 5001 TDZE 867 Apt Elev 867

RNAV (GPS) RWY 31
OMAR N BRADLEY (MBY)

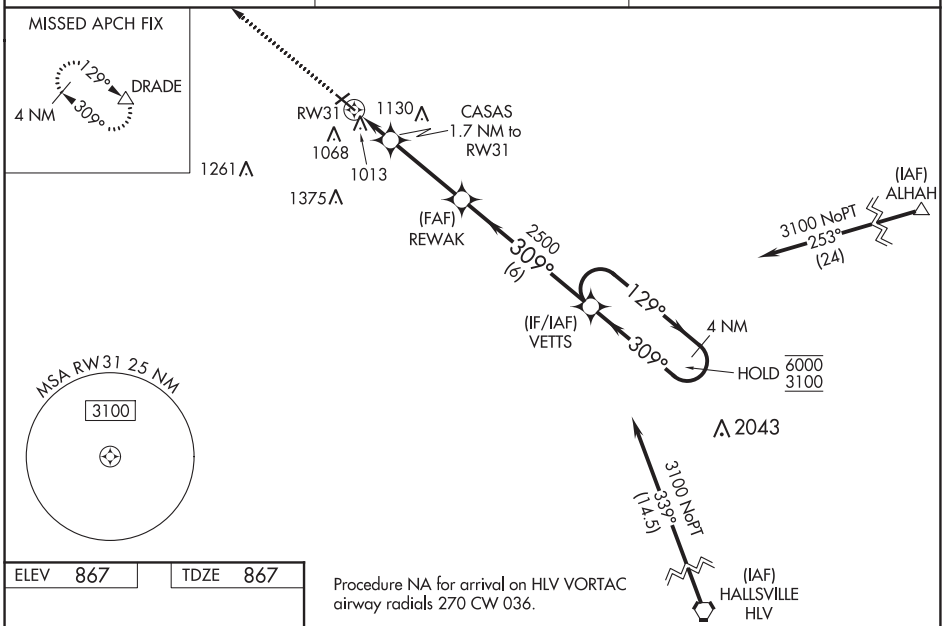
RNP APCH.

T
A NA

Circling to Rwy 5, 23 NA at night. Rwy 31 helicopter visibility reduction below ¾ SM NA. Baro-VNAV NA when using Columbia altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C or above 54°C. VDP NA when using Columbia altimeter setting. When local altimeter setting not received, use Columbia altimeter setting: increase LPV DA to 1212 feet and all visibilities ⅛ SM; increase LNAV/VNAV DA to 1278 feet and all visibilities ¼ SM; increase all MDA 100 feet and visibility Cat C ¼ SM.

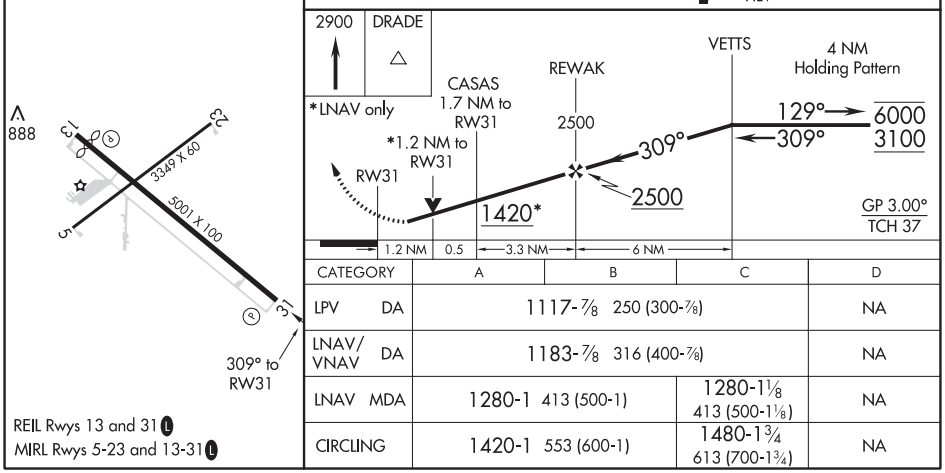
MISSED APPROACH: Climb to 2900 direct DRADE and hold.

AWOS-3P	KANSAS CITY CENTER	UNICOM
120.025	125.25 235.975	122.7 (CTAF) L



Procedure NA for arrival on HLV VORTAC airway radials 270 CW 036.

ELEV 867	TDZE 867



CATEGORY		A	B	C	D
LPV	DA	1117-⅞ 250 (300-⅞)			NA
LNAV/VNAV	DA	1183-⅞ 316 (400-⅞)			NA
LNAV	MDA	1280-1 413 (500-1)		1280-1⅛ 413 (500-1⅛)	NA
CIRCLING		1420-1 553 (600-1)		1480-1¾ 613 (700-1¾)	NA

REIL Rwys 13 and 31 L
MIRL Rwys 5-23 and 13-31 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

MOBERLY, MISSOURI | AL-5976 (FAA) | 20310

VOR/DME-A
OMAR N BRADLEY (MBY)

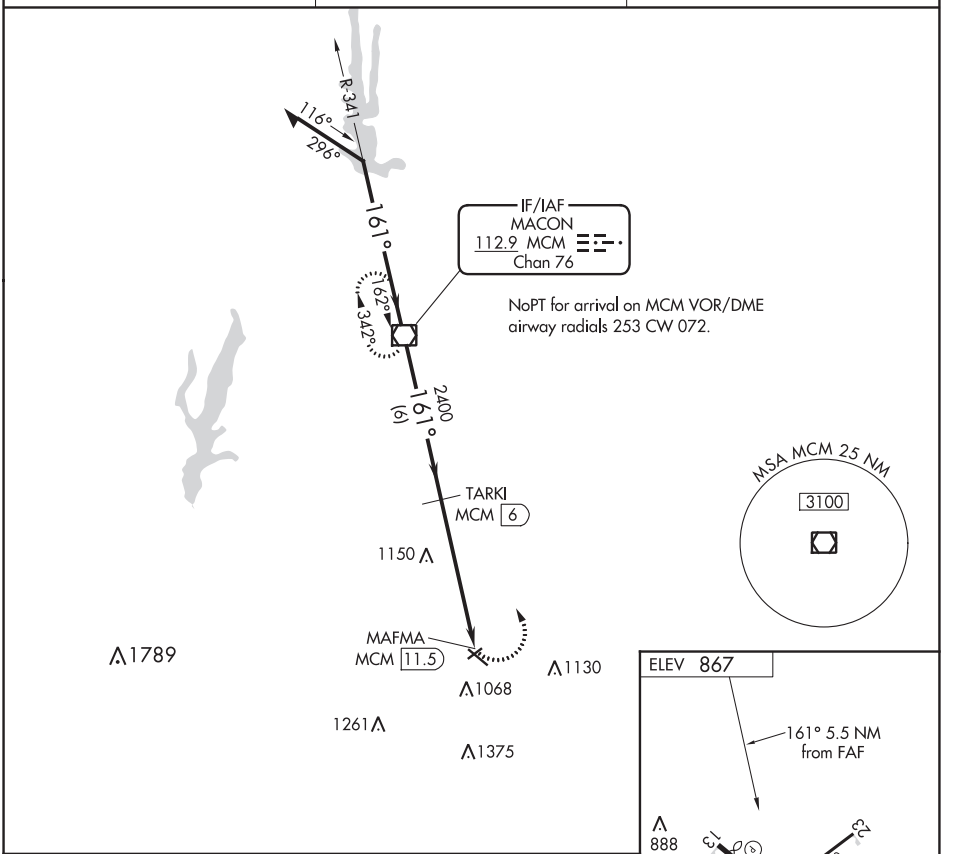
VOR/DME MCM	APP CRS	Rwy ldg	N/A
112.9	161°	TDZE	N/A
Chan 76		Apt Elev	867

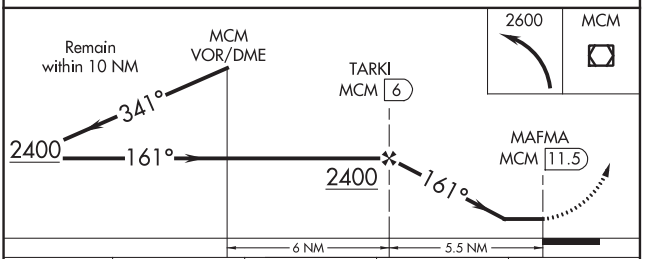
T NA

Circling to Rwy 5 NA at night. When local altimeter setting not received, use Columbia altimeter setting and increase all MDA 100 feet and visibility Cat C ¼ mile. Visibility reduction by helicopters NA.

MISSED APPROACH: Climbing left turn to 2600 direct MCM VOR/DME and hold.

AWOS-3P	KANSAS CITY CENTER	UNICOM
120.025	125.25 235.975	122.7 (CTAF) L





CATEGORY	A	B	C	D
CIRCLING	1420-1 553 (600-1)		1480-1¾ 613 (700-1¾)	NA

REIL Rwys 13 and 31 L
MIRL Rwys 5-23 and 13-31 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

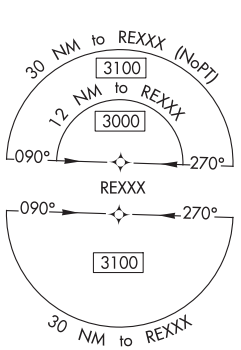
RNAV (GPS) RWY 18
MONETT RGNL (HFJ)

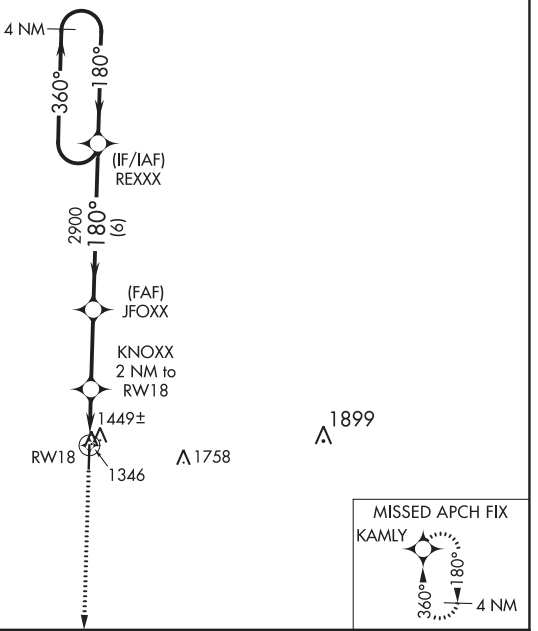
WAAS CH 53403 W18A	APP CRS 180°	Rwy ldg 5000 TDZE 1314 Apt Elev 1314

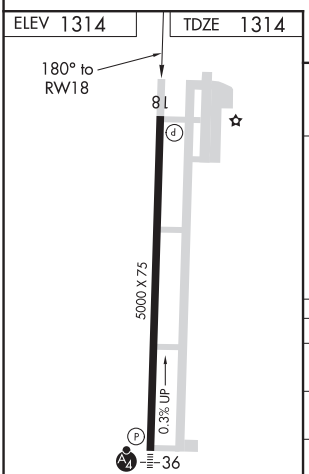
Baro-VNAV NA when using Joplin Rgnl altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). When local altimeter setting not received, use Joplin Rgnl altimeter setting: increase all DA 111 feet and all MDA 120 feet; increase LPV visibility All Cats to 1¼; LNAV/VNAV all Cats and LNAV Cats C visibility to 1⅜ and Circling Cat C visibility to 2. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 3100 direct KAMLY and hold.

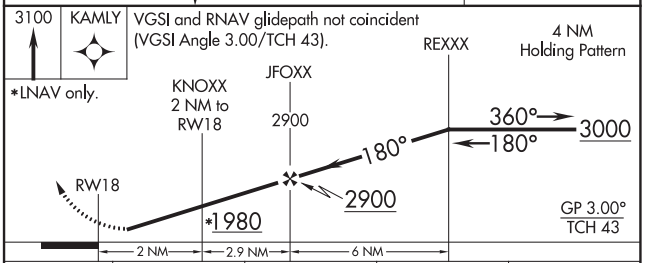
AWOS-3	SPRINGFIELD APP CON	CLNC DEL	UNICOM
118.275	124.95 318.2	121.85	123.075 (CTAF) L







MIRL Rwy 18-36 L
REIL Rwy 18 L



CATEGORY	A	B	C	D
LPV DA	1564-¾ 250 (300-¾)		1564-1 250 (300-1)	NA
LNAV/VNAV DA	1619-1 305 (400-1)			NA
LNAV MDA	1700-1 386 (400-1)			NA
C CIRCLING	1760-1 446 (500-1)	1900-1 586 (600-1)	1900-1½ 586 (600-1½)	NA

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

MONETT, MISSOURI — AL-6980 (FAA) — 19171

RNAV (GPS) RWY 36

MONETT RGNL (HFJ)

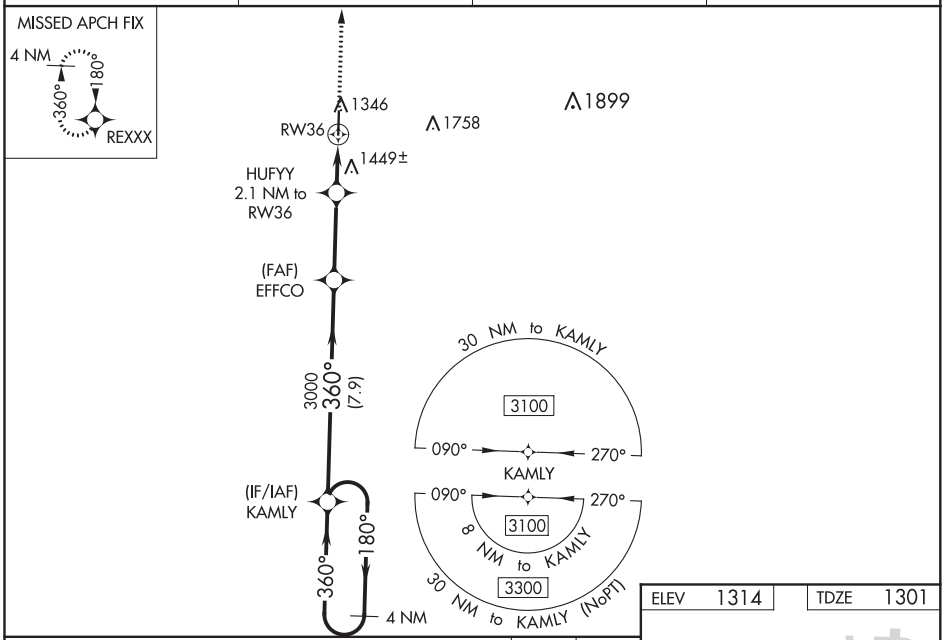
WAAS CH 69303 W36A	APP CRS 360°	Rwy ldg 5000 TDZE 1301 Apt Elev 1314

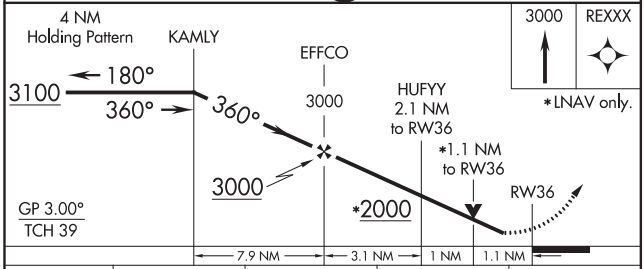
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). When local altimeter setting not received, use Joplin Rgnl altimeter setting: increase all DA 111 feet and all MDA 120 feet; increase LPV and LNAV/VNAV all Cats and LNAV Cat C visibilities ¼ mile and Circling Cat C visibility ½ mile. DME/DME RNP-0.3 NA. Baro-VNAV and VDP NA when using Joplin Rgnl altimeter setting. Helicopter visibility reduction below ¾SM NA.

MALSF

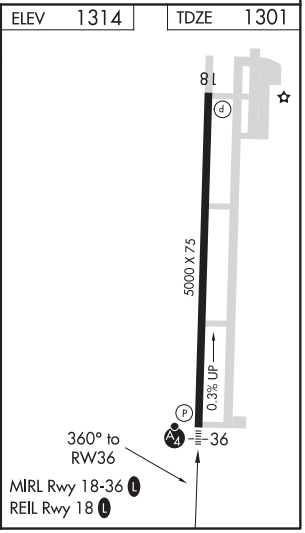
MISSED APPROACH: Climb to 3000 direct REXXX and hold.

AWOS-3	SPRINGFIELD APP CON	CLNC DEL	UNICOM
118.275	124.95 318.2	121.85	123.075 L (CTAF)





CATEGORY	A	B	C	D
LPV DA	1551-¾ 250 (300-¾)			NA
LNAV/VNAV DA	1551-¾ 250 (300-¾)			NA
LNAV MDA	1700-¾ 399 (400-¾)		1700-1 399 (400-1)	NA
C CIRCLING	1760-1 446 (500-1)	1900-1 586 (600-1)	1900-1½ 586 (600-1½)	NA



NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

APP CRS	Rwy ldg	3515
091°	TDZE	737
	Apt Elev	737

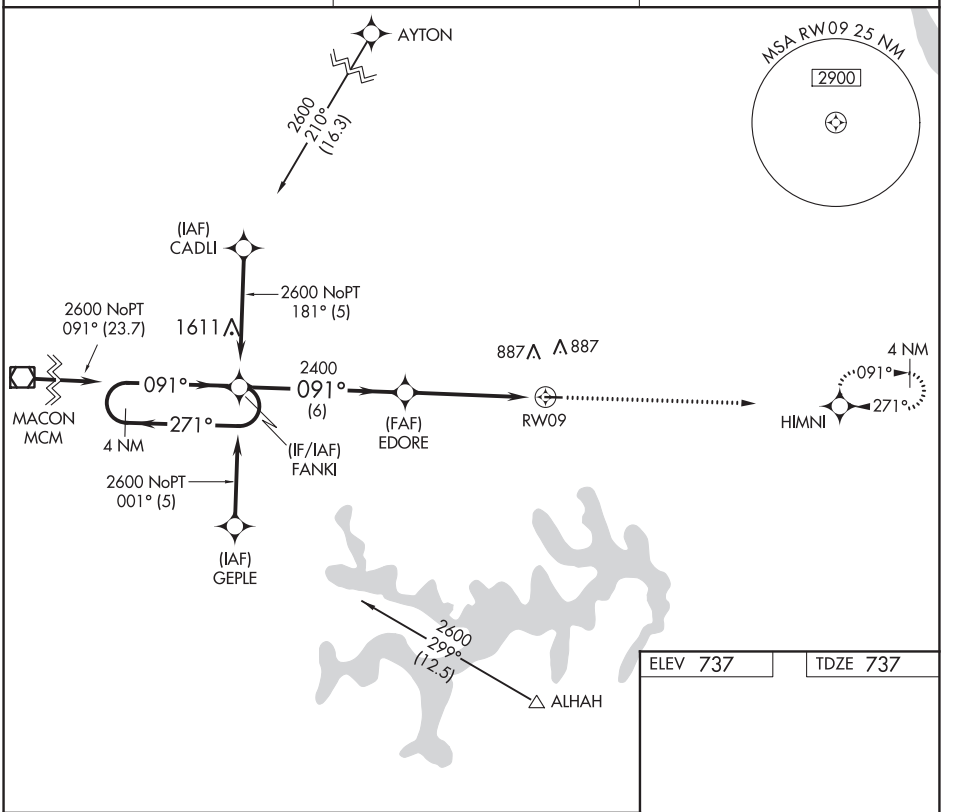
RNAV (GPS) RWY 9
CAPTAIN BEN SMITH AIRFIELD-MONROE CITY (K52)

NA

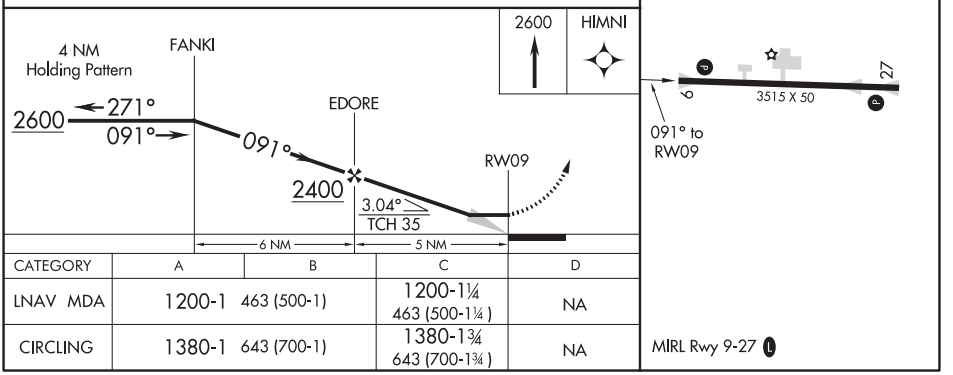
Use Quincy, IL altimeter setting. DME/DME RNP-0.3 NA. Procedure NA at night. Rwy 9, 27 helicopter visibility reduction below 1 SM NA.

MISSED APPROACH: Climb to 2600 direct HIMNI and hold.

UIN ASOS	KANSAS CITY CENTER	UNICOM
121.425	126.225 317.775	122.8 (CTAF) L



ELEV 737 TDZE 737



CATEGORY	A	B	C	D
LNAV MDA	1200-1 463 (500-1)		1200-1¼ 463 (500-1¼)	NA
CIRCLING	1380-1 643 (700-1)		1380-1¾ 643 (700-1¾)	NA

MIRL Rwy 9-27 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

MONROE CITY, MISSOURI | AL-6183 (FAA) | 19283

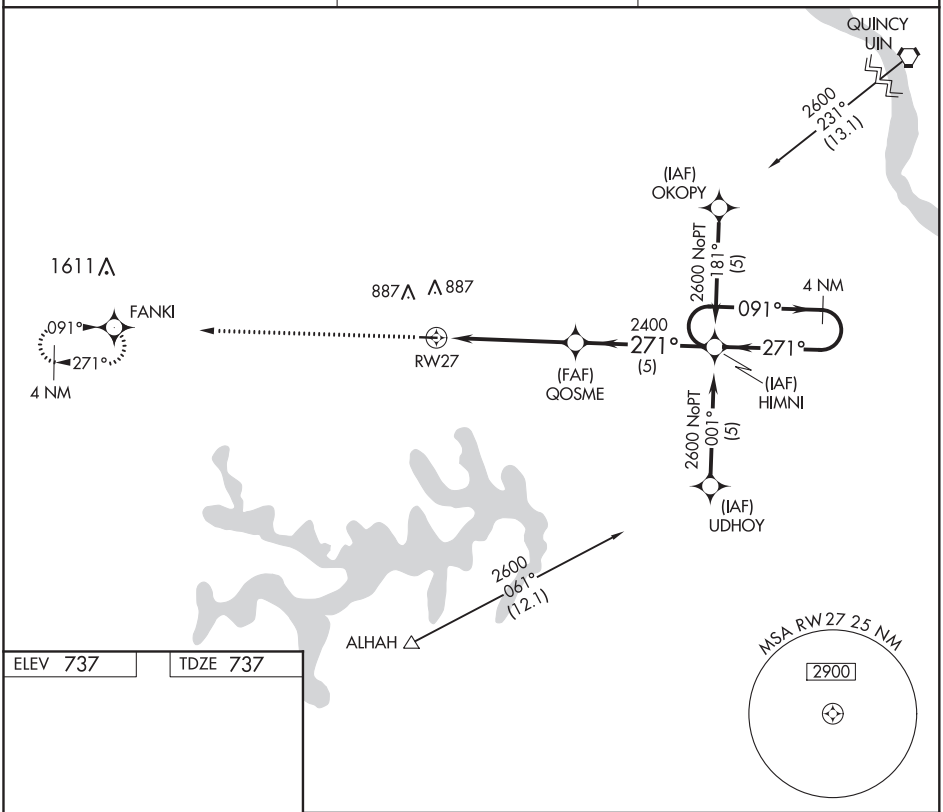
RNAV (GPS) RWY 27
CAPTAIN BEN SMITH AIRFIELD-MONROE CITY (K52)

APP CRS	Rwy ldg	3515
271°	TDZE	737
	Apt Elev	737

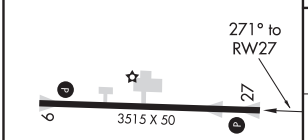
Use Quincy, IL altimeter setting. DME/DME RNP-0.3 NA. Procedure NA at night. Rwy 9, 27 helicopter visibility reduction below 1 SM NA.

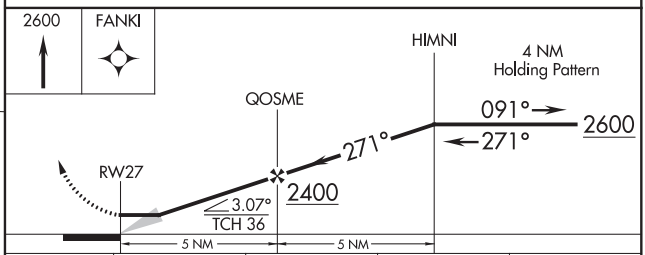
MISSED APPROACH: Climb to 2600 direct FANKI and hold.

UIN ASOS	KANSAS CITY CENTER	UNICOM
121.425	126.225 317.775	122.8 (CTAF) L



ELEV 737 | TDZE 737





CATEGORY	A	B	C	D
LNAV MDA	1240-1 503 (600-1)		1240-1½ 503 (600-1½)	NA
CIRCLING	1380-1 643 (700-1)		1380-1¾ 643 (700-1¾)	NA

MIRL Rwy 9-27 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

VORTAC UIN 113.6 Chan 83	APP CRS 233°	Rwy ldg N/A TDZE N/A Apt Elev 737

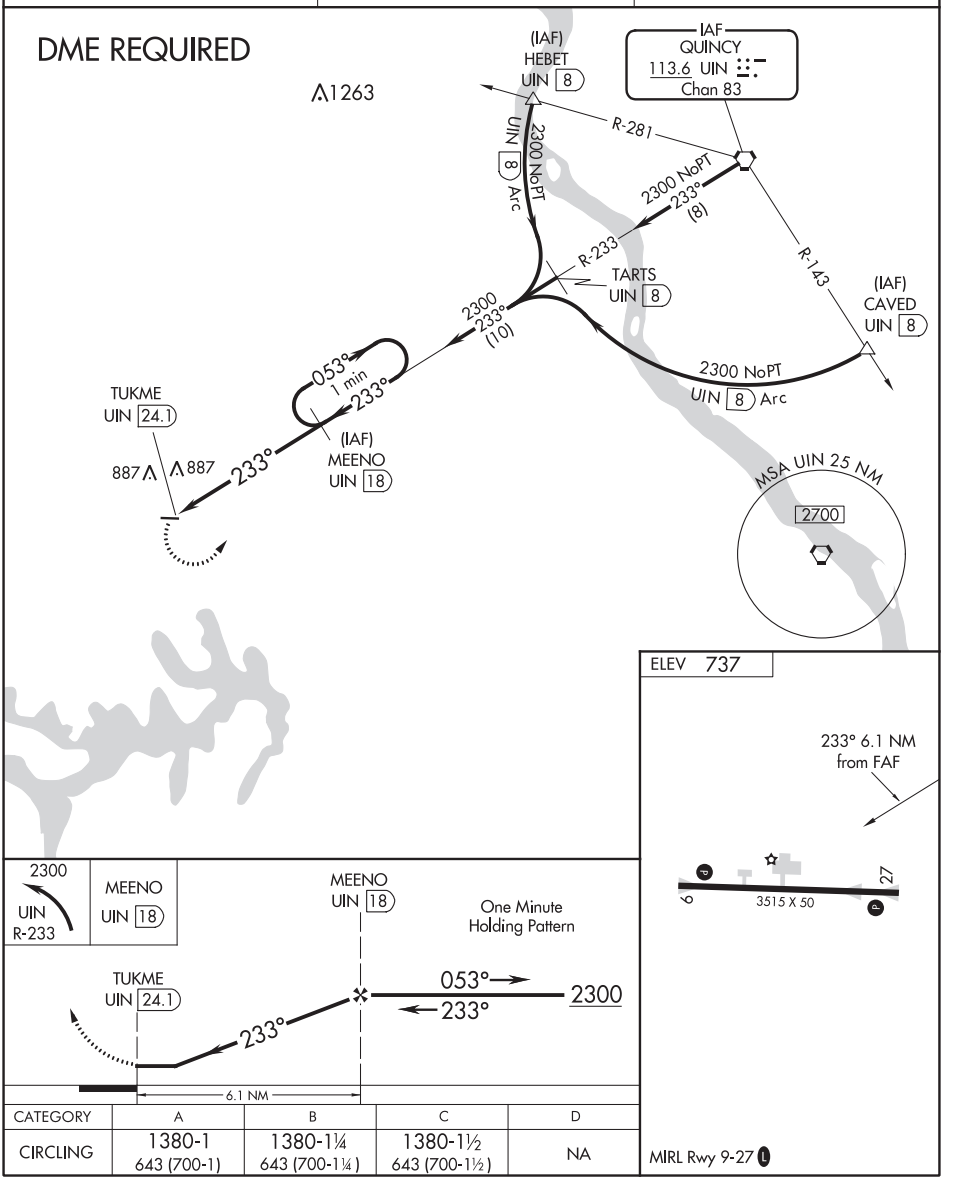
VOR-A

CAPTAIN BEN SMITH AIRFIELD-MONROE CITY (K52)

T NA — Use Quincy, IL altimeter setting. DME required. Procedure NA at night. Rwy 9, 27 helicopter visibility reduction below 1 SM NA.

MISSED APPROACH: Climbing left turn to 2300 via UIN R-233 to MEENO/18 DME and hold.

UIN ASOS	KANSAS CITY CENTER	UNICOM
121.425	126.225 317.775	122.8 (CTAF) L



CATEGORY	A	B	C	D
CIRCLING	1380-1 643 (700-1)	1380-1¼ 643 (700-1¼)	1380-1½ 643 (700-1½)	NA

MIRL Rwy 9-27 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

MONTICELLO, IOWA | AL-5745 (FAA) | 20310

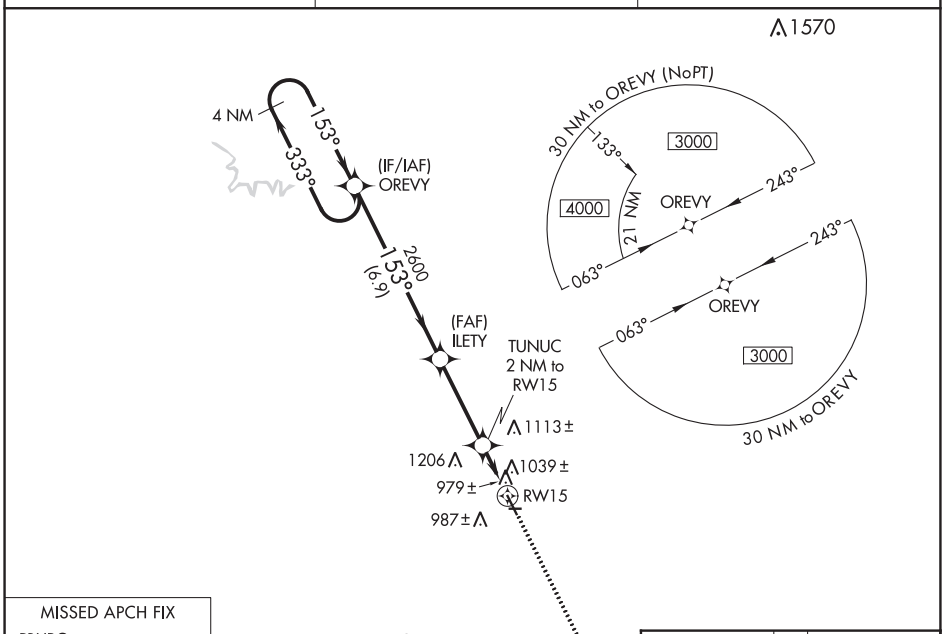
WAAS CH 77922 W15A	APP CRS 153°	Rwy ldg 4400 TDZE 827 Apt Elev 832

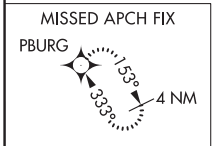
RNAV (GPS) RWY 15
MONTICELLO RGNL (MXO)

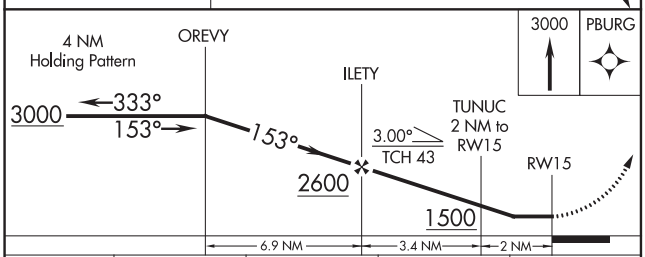
DME/DME RNP-0.3 NA. Helicopter visibility reduction below 1 SM NA. Rwy 15 Straight-in and Circling minimums NA at night. When local altimeter setting not received, use Dubuque altimeter setting and increase all MDA 100 feet; increase LP Cat C, LNAV Cat C and Circling Cat C visibility ¼ mile.

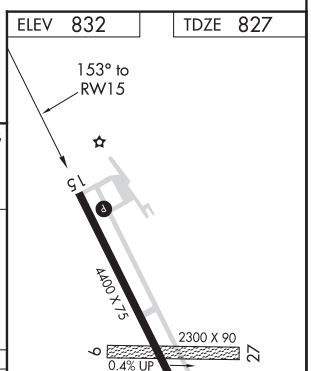
MISSED APPROACH: Climb to 3000 direct PBURG and hold.

AWOS-3	CEDAR RAPIDS APP CON ★	UNICOM
119.275	134.05 266.8	122.8 (CTAF) L









CATEGORY	A	B	C	D
LP MDA	1240-1 413 (500-1)		1240-1⅛ 413 (500-1⅛)	NA
LNAV MDA	1300-1 473 (500-1)		1300-1⅜ 473 (500-1⅜)	NA
CIRCLING	1380-1 548 (600-1)	1400-1 588 (600-1)	1520-2 688 (700-2)	NA

MIRL Rwy 15-33 L
REIL Rwys 15 and 33 L

MONTICELLO, IOWA
Amdt 1C 29MAY14

42°13′N-91°10′W

MONTICELLO RGNL (MXO)
RNAV (GPS) RWY 15

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

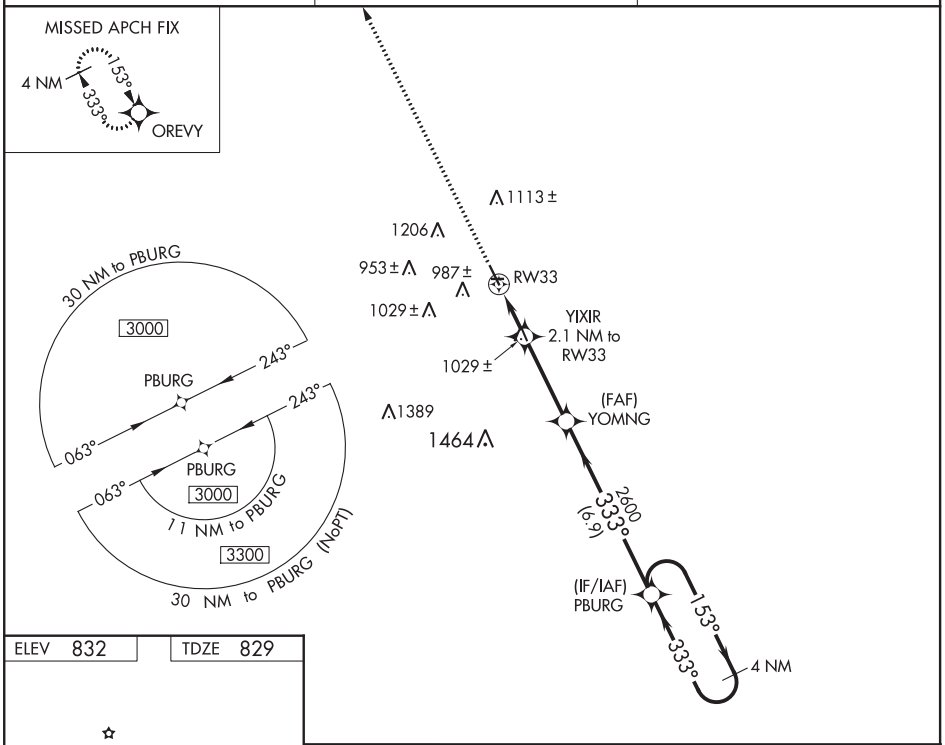
WAAS CH 82222 W33A	APP CRS 333°	Rwy ldg 4400 TDZE 829 Apt Elev 832

RNAV (GPS) RWY 33
MONTICELLO RGNL (MXO)

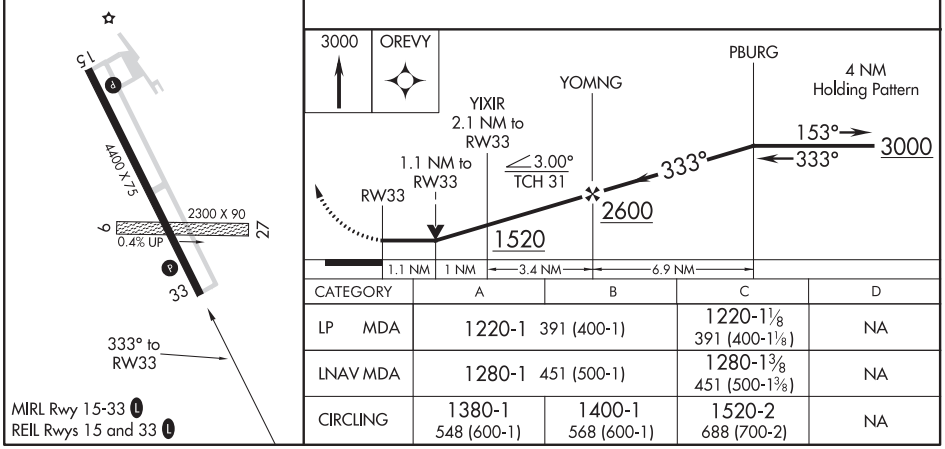
Circling to Rwy 15 NA at night. DME/DME RNP -0.3 NA. Helicopter visibility reduction below ¾ SM NA. VDP NA with Dubuque altimeter setting. When local altimeter setting not received, use Dubuque altimeter setting and increase all MDA 100 feet; increase LP Cat C, LNAV Cat C and Circling Cat C visibility ¼ mile.

MISSED APPROACH: Climb to 3000 direct OREVY and hold.

AWOS-3	CEDAR RAPIDS APP CON ★	UNICOM
119.275	134.05 266.8	122.8 (CTAF) L



ELEV 832	TDZE 829



CATEGORY	A	B	C	D
LP MDA	1220-1 391 (400-1)		1220-1⅛ 391 (400-1⅛)	NA
LNAV MDA	1280-1 451 (500-1)		1280-1⅜ 451 (500-1⅜)	NA
CIRCLING	1380-1 548 (600-1)	1400-1 568 (600-1)	1520-2 688 (700-2)	NA

MIRL Rwy 15-33 L
REIL Rwys 15 and 33 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

MONTICELLO, MISSOURI | AL-9193 (FAA) | 19339

WAAS CH 50401 W18A	APP CRS 180°	Rwy ldg 3500 TDZE 675 Apt Elev 675

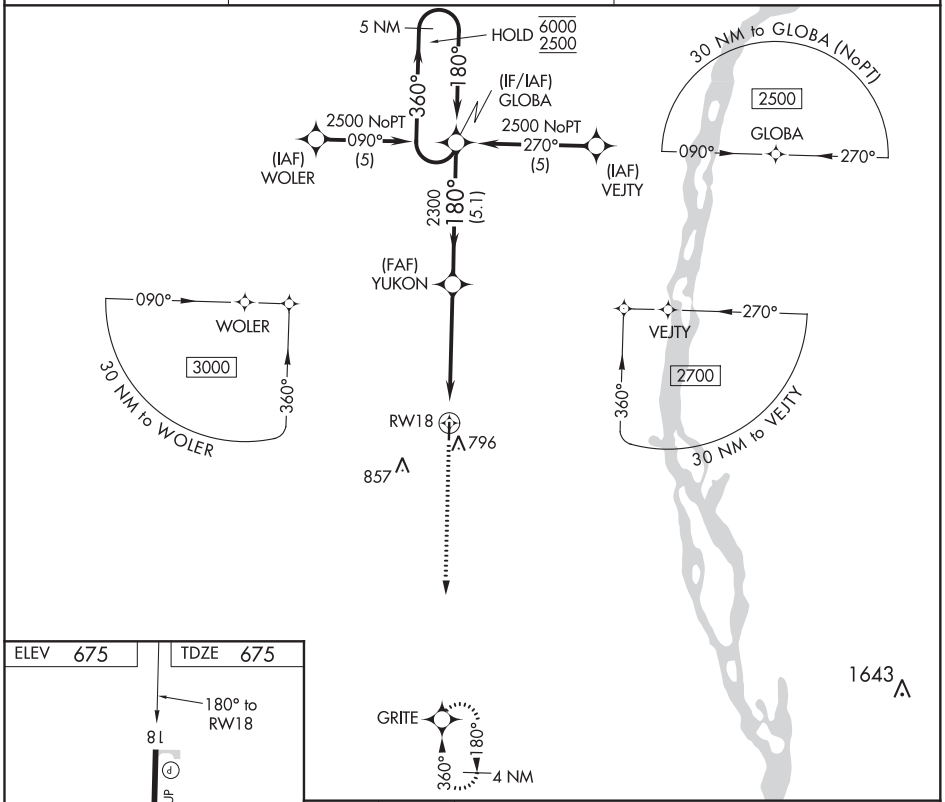
RNAV (GPS) RWY 18
LEWIS COUNTY RGNL (6M6)

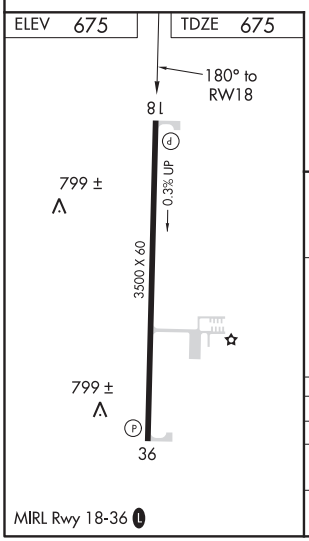
RNP APCH.

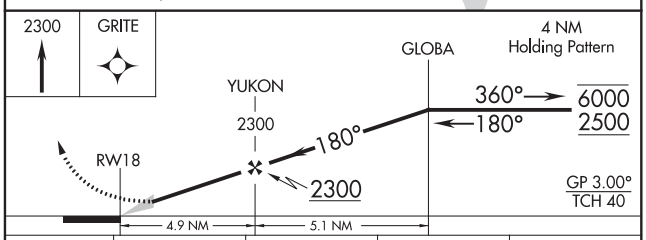
T A NA Baro-VNAV NA. Use Quincy altimeter setting; when not received use Kirksville altimeter setting: increase LPV DA to 1098 feet; increase LNAV/VNAV DA to 1145 feet; increase all MDA 80 feet.

MISSED APPROACH: Climb to 2300 direct GRITE and hold.

UIN ASOS	KANSAS CITY CENTER	UNICOM
121.425	126.225 317.775	122.7 (CTAF) L







CATEGORY	A	B	C	D
LPV DA	1035-1¼	360 (400-1¼)	NA	
LNAV/VNAV DA	1082-1½	407 (500-1½)	NA	
LNAV MDA	1220-1	545 (600-1)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 97601 W36A	APP CRS 360°	Rwy ldg 3500 TDZE 675 Apt Elev 675

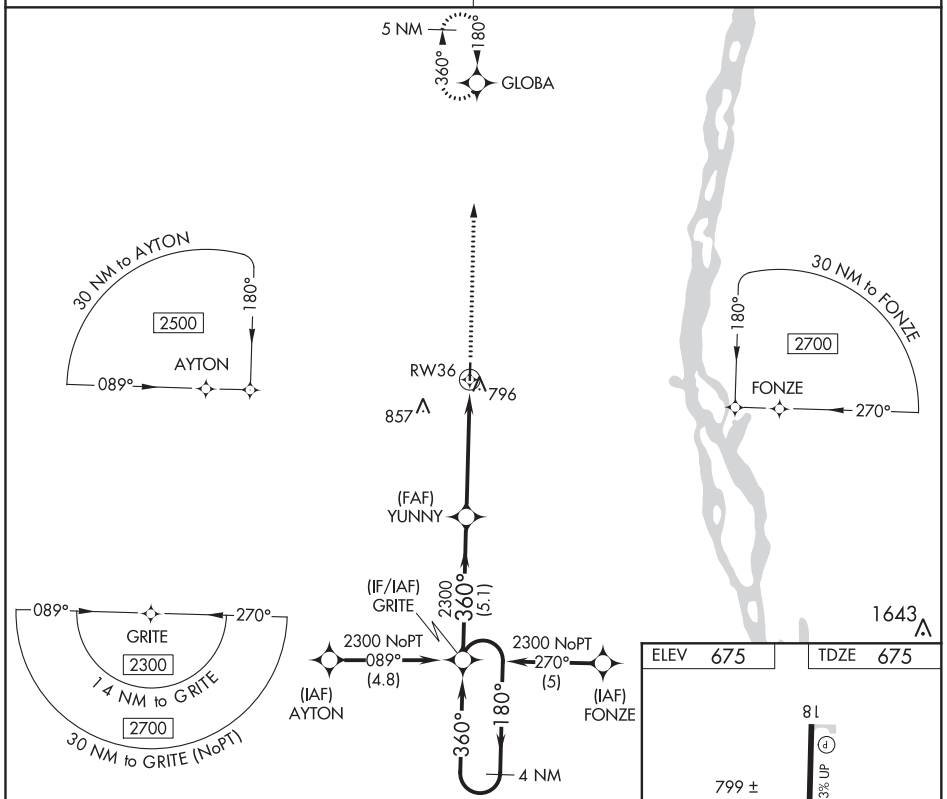
RNAV (GPS) RWY 36
LEWIS COUNTY RGNL (6M6)

RNP APCH.

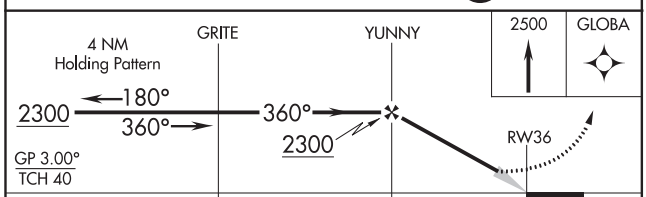
Baro-VNAV NA. Use Quincy altimeter setting; if not received, use Kirksville altimeter setting and increase all DAs/MDAs 80 feet.

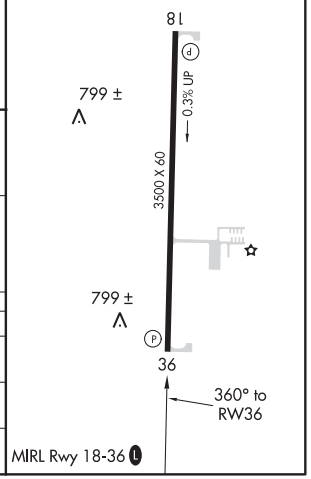
MISSED APPROACH: Climb to 2500 direct GLOBA and hold.

KANSAS CITY CENTER	UNICOM
126.225 317.775	122.7 (CTAF) L



ELEV 675	TDZE 675





CATEGORY	A	B	C	D
LPV DA	996-1¼ 321 (400-1¼)		NA	
LNAV/VNAV DA	1137-1¾ 462 (500-1¾)		NA	
LNAV MDA	1120-1 445 (500-1)		NA	

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

MONTICELLO, MISSOURI | AL-9193 (FAA) | 20310

VORTAC UIN	APP CRS	Rwy ldg	N/A
113.6	308°	TDZE	N/A
Chan 83		Apt Elev	674

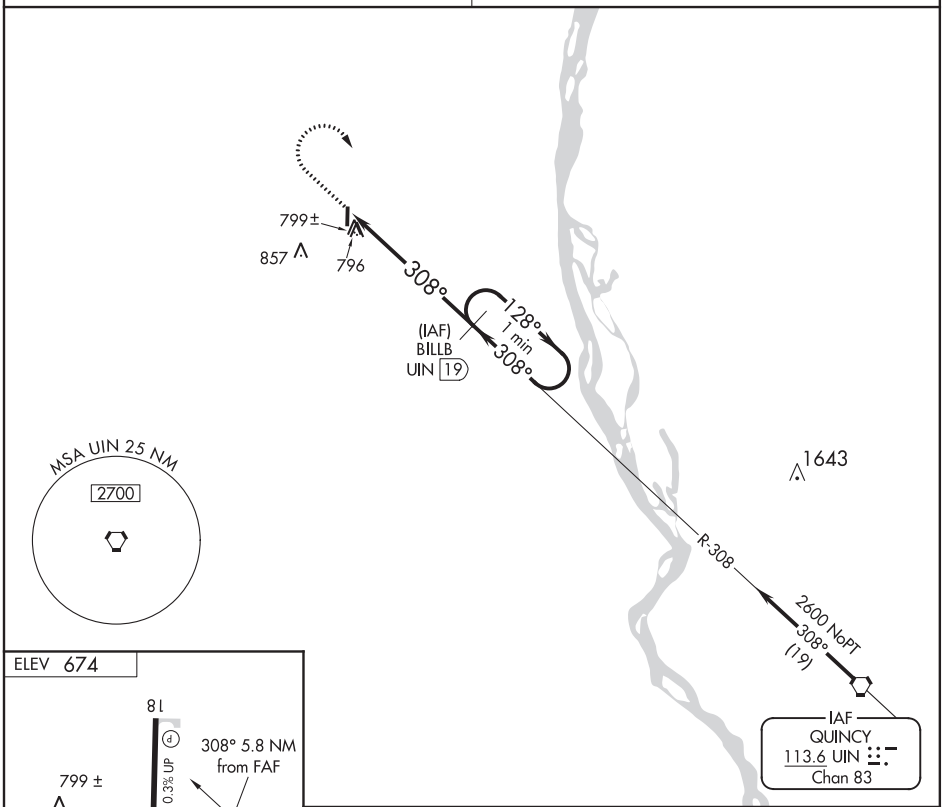
VOR/DME-A

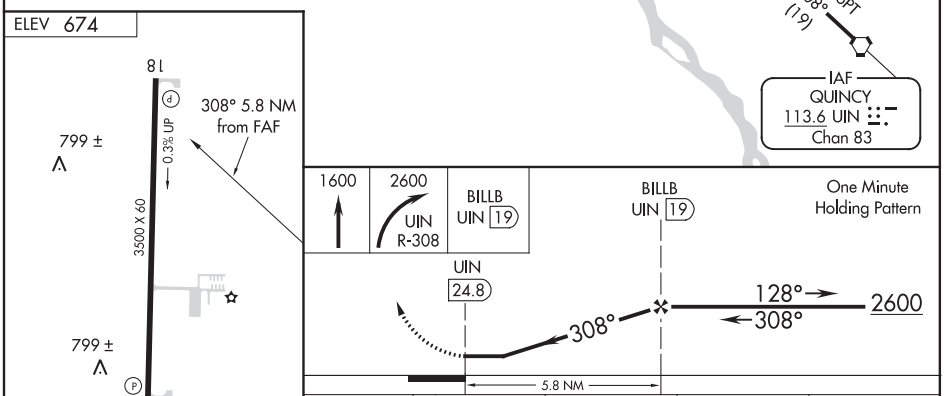
LEWIS COUNTY RGNL (6M6)

Use Quincy altimeter setting; when not received use Kirksville altimeter setting

MISSED APPROACH: Climb to 1600 then right turn to 2600 via UIN R-308 to BILLB/19 DME and hold.

KANSAS CITY CENTER	UNICOM
126.225 317.775	122.7 (CTAF) L





CATEGORY	A	B	C	D
CIRCLING	1180-1 506 (600-1)	1180-1¼ 506 (600-1¼)	NA	
KIRKSVILLE ALTIMETER SETTING MINIMUMS				
CIRCLING	1240-1 566 (600-1)	1240-1¼ 566 (600-1¼)	NA	

MIRL Rwy 18-36 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

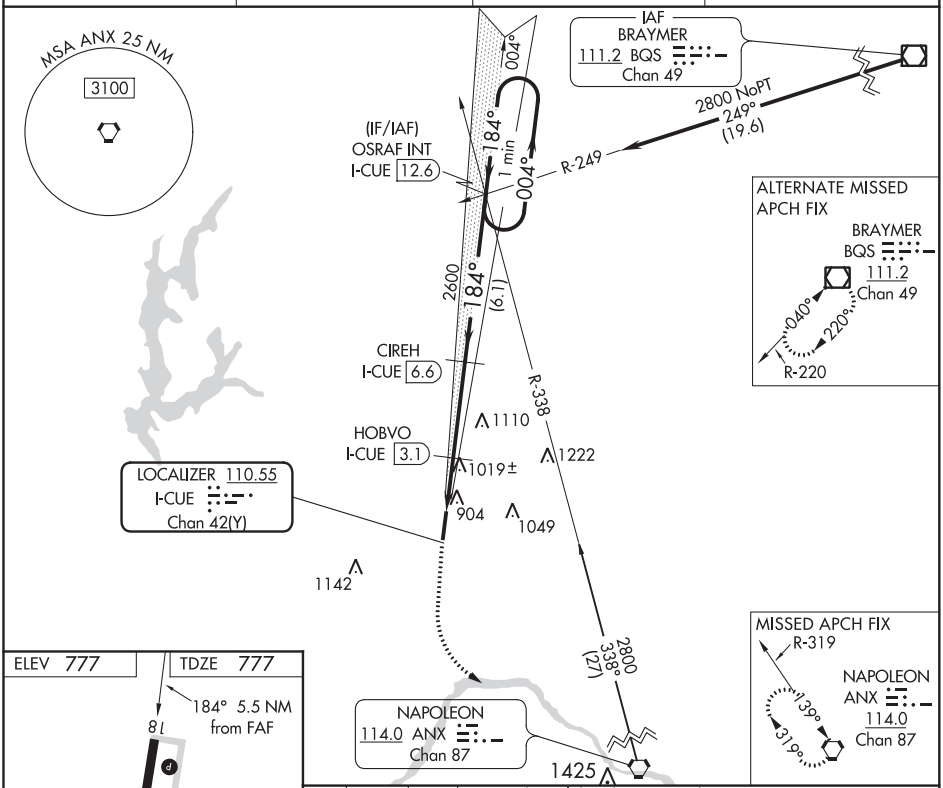
LOC/DME I-CUE	APP CRS	Rwy ldg	5502
110.55	184°	TDZE	777
Chan 42 (Y)		Apt Elev	777

ILS or LOC/DME RWY 18
MIDWEST NATIONAL AIR CENTER (GPH)

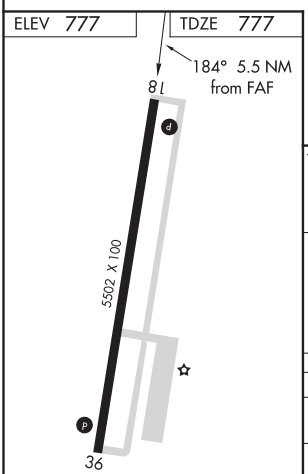
T ANA Obtain local altimeter setting on CTAF; when not received use Kansas City Intl altimeter setting and increase DA 79 feet and all visibilities ¼ mile; increase all MDAs 80 feet, and Circling visibility Cat C ¼ mile.

MISSED APPROACH: Climb to 1400 then climbing left turn to 2900 direct ANX VORTAC and hold.

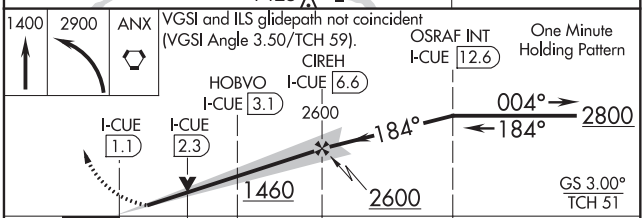
AWOS-3	KANSAS CITY APP CON	CLNC DEL	UNICOM
120.275	118.4 307.35	118.2	122.7 (CTAF) L



ELEV 777 TDZE 777



HIRL Rwy 18-36 L
REIL Rwys 18 and 36 L



CATEGORY	A	B	C	D
S-ILS 18	977- ¾ 200 (200-¾)			NA
S-LOC 18	1280-1 503 (600-1)		1280-1½ 503 (600-1½)	NA
CIRCLING	1300-1 523 (600-1)		1320-1½ 543 (600-1½)	NA

NC-3, 25 FEB 2021 to 22 APR 2021

MOSBY, MISSOURI AL-9229 (FAA) 20142

WAAS CH 70323 W18A	APP CRS 184°	Rwy ldg 5502 TDZE 777 Apt Elev 777

RNAV (GPS) RWY 18
MIDWEST NATIONAL AIR CENTER (GPH)

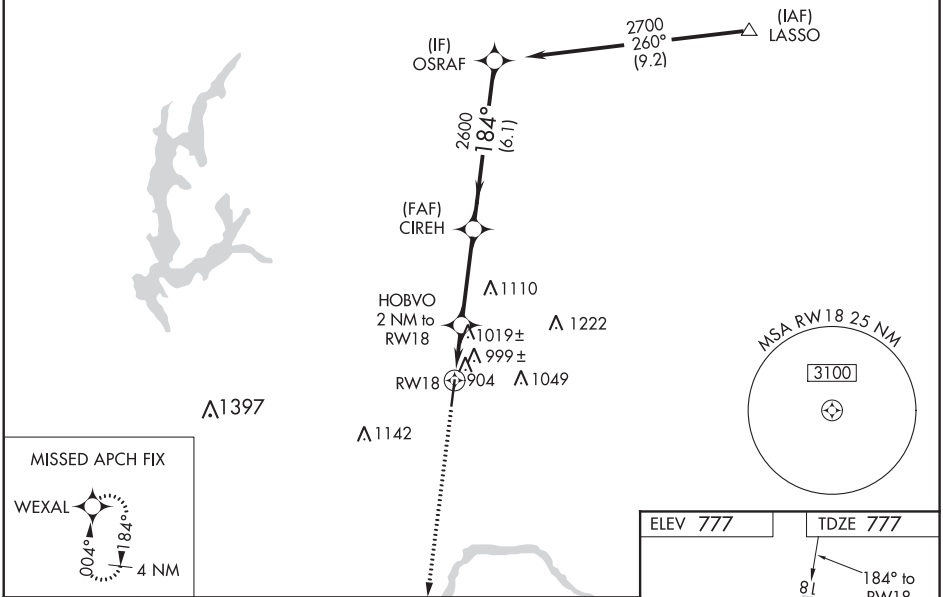
T NA

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). DME/DME RNP- 0.3 NA.
Baro-VNAV and VDP NA when using Kansas City Intl altimeter setting.
Obtain local altimeter setting on CTAF; when not received, use Kansas City Intl altimeter setting and increase all DAs 79 feet and all LPV and LNAV/VNAV visibilities ¼ mile; increase all MDAs 80 feet and circling visibility Cat C ¼ mile.

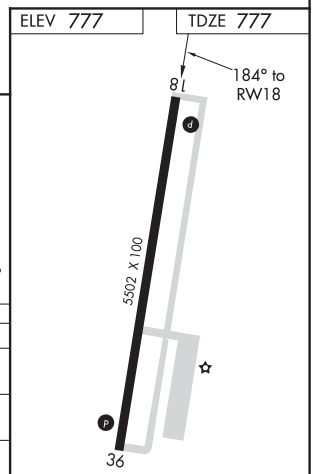
MISSED APPROACH: Climb to 2700 direct WEXAL and hold.

AWOS-3	KANSAS CITY APP CON	CLNC DEL	UNICOM
120.275	118.4 307.35	118.2	122.7 (CTAF) L

Procedure NA for arrivals at LASSO via V159 southeast bound, and via V502 northeast bound.



CATEGORY	A	B	C	D
LPV DA	1189-1½ 412 (500-1½)			NA
LNAV/VNAV DA	1324-2 547 (600-2)			NA
LNAV MDA	1280-1 503 (600-1)		1280-1½ 503 (600-1½)	NA
CIRCLING	1300-1 523 (600-1)		1320-1½ 543 (600-1½)	NA



HIRL Rwy 18-36 L
REIL Rwys 18 and 36 L

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 86409 W36A	APP CRS 004°	Rwy ldg 5502 TDZE 776 Apt Elev 777

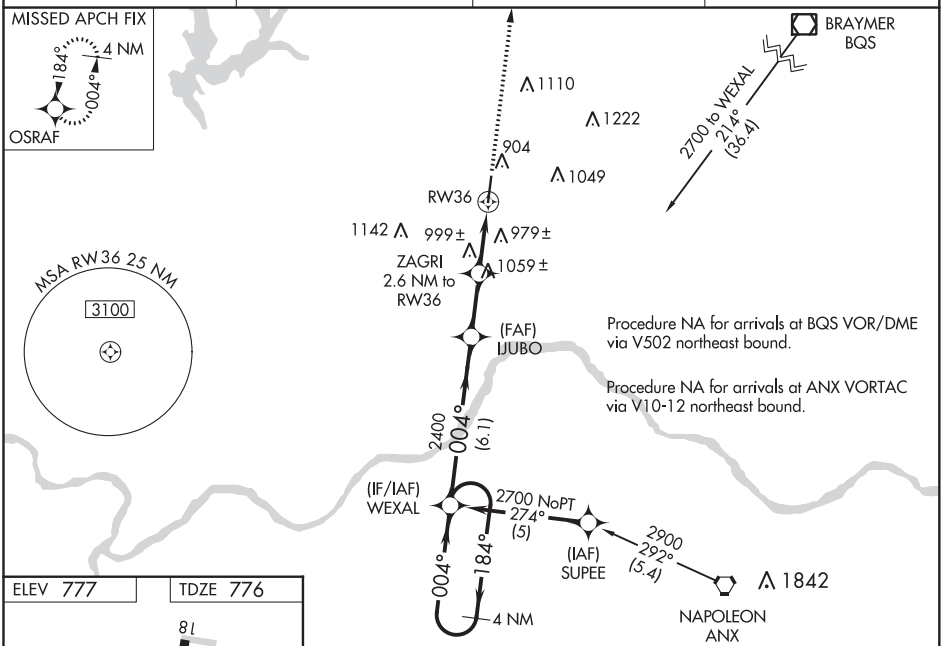
RNAV (GPS) RWY 36
MIDWEST NATIONAL AIR CENTER (GPH)

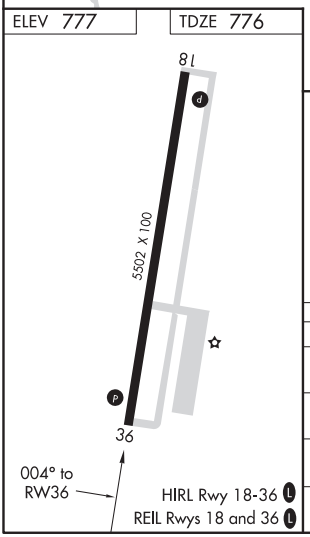
T
NA

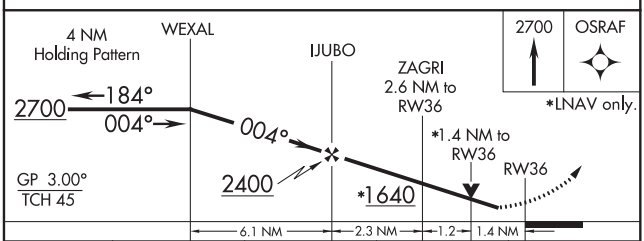
DME/DME RNP-0.3 NA. Baro-VNAV NA when using Kansas City Intl altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). Visibility reduction by helicopters NA.
Obtain local altimeter setting on CTAF; when not received use Kansas City Intl altimeter setting and increase all DA 79 feet and all LPV and LNAV/VNAV visibilities ¼ mile; increase all MDA 80 feet and LNAV and Circling Cat C visibility ¼ mile.
VDP NA when using Kansas City Intl altimeter setting.

MISSED APPROACH: Climb to 2700 direct OSRAF and hold.

AWOS-3	KANSAS CITY APP CON	CLNC DEL	UNICOM
120.275	118.4 307.35	118.2	122.7 (CTAF) L







CATEGORY	A	B	C	D
LPV DA	1105-1¼ 329 (400-1¼)			NA
LNAV/VNAV DA	1341-2 565 (600-2)			NA
LNAV MDA	1260-1 484 (500-1)		1260-1¼ 484 (500-1¼)	NA
CIRCLING	1300-1 523 (600-1)		1320-1½ 543 (600-1½)	NA

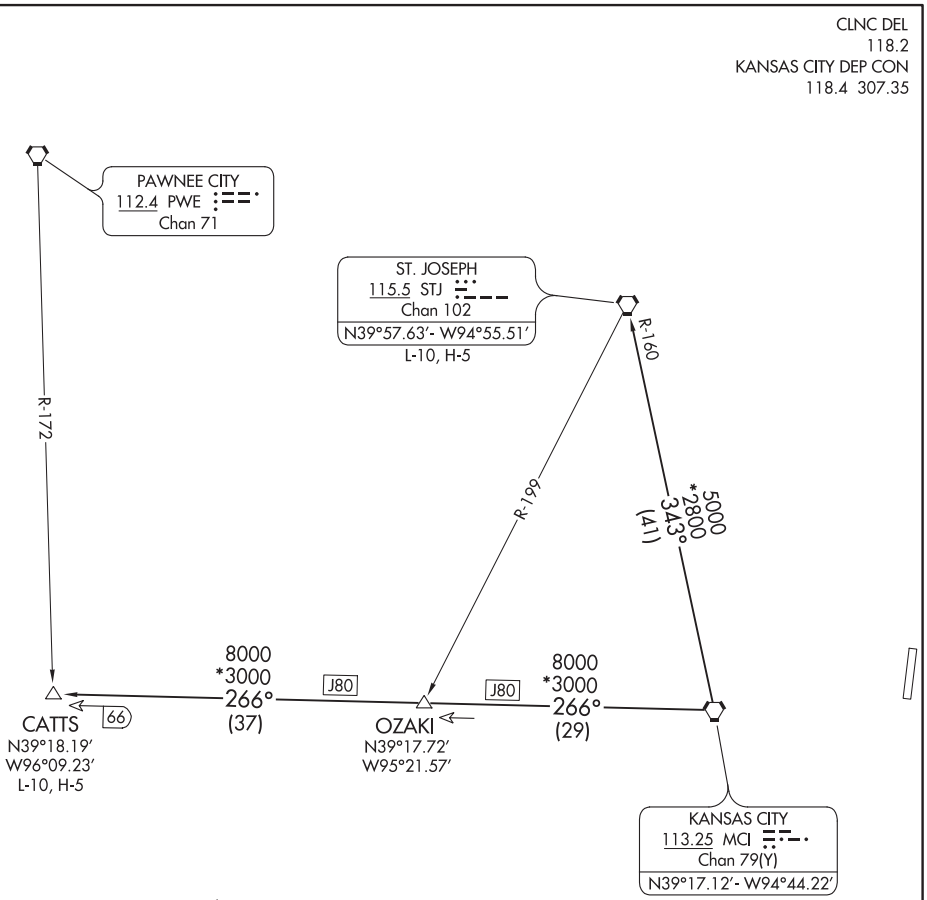
NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

(CHIEF7.MCI) 20142

CHIEF SEVEN DEPARTURE

AL-9229 (FAA)

MIDWEST NATIONAL AIR CENTER (GPH)
MOSBY, MISSOURI



NOTE: RADAR required.

TAKEOFF MINIMUMS

Rwys 18, 36: Standard.

NOTE: Chart not to scale

DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: Climb on assigned heading for RADAR vectors to appropriate route. Expect filed altitude 10 minutes after departure.

CATTS TRANSITION (CHIEF7.CATTS): From over MCI VORTAC on MCI R-266 to CATTS INT.

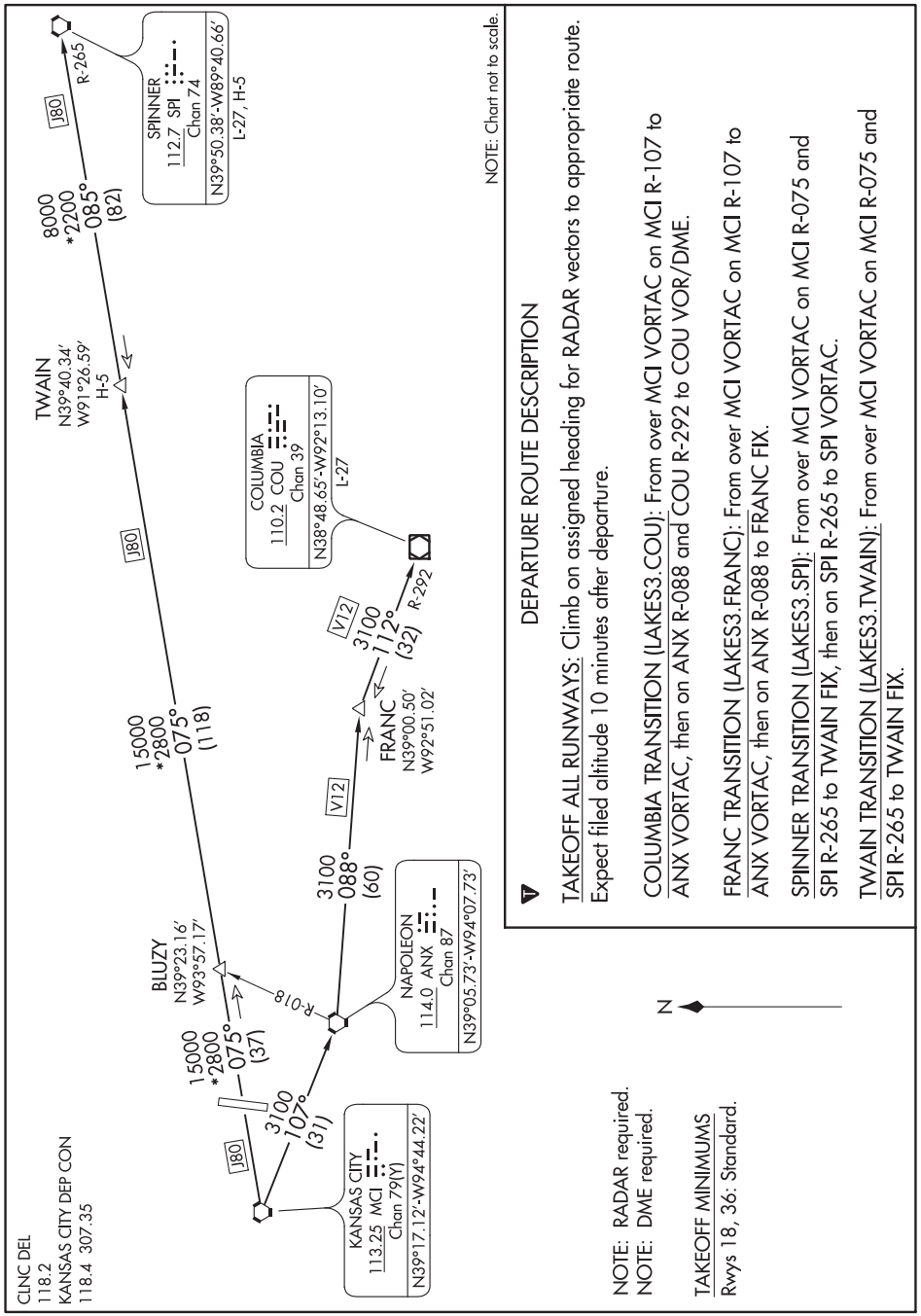
ST. JOSEPH TRANSITION (CHIEF7.STJ): From over MCI VORTAC on MCI R-343 and STJ R-160 to STJ VORTAC.

NC-3, 25 FEB 2021 to 22 APR 2021

CHIEF SEVEN DEPARTURE
(CHIEF7.MCI) 01FEB18

MOSBY, MISSOURI
MIDWEST NATIONAL AIR CENTER (GPH)

LAKES THREE DEPARTURE



DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: Climb on assigned heading for RADAR vectors to appropriate route. Expect filed altitude 10 minutes after departure.

COLUMBIA TRANSITION (LAKES3.COU): From over MCI VORTAC on MCI R-107 to ANX VORTAC, then on ANX R-088 and COU R-292 to COU VOR/DME.

FRANC TRANSITION (LAKES3.FRANC): From over MCI VORTAC on MCI R-107 to ANX VORTAC, then on ANX R-088 to FRANC FIX.

SPINNER TRANSITION (LAKES3.SPI): From over MCI VORTAC on MCI R-075 and SPI R-265 to TWAIN FIX, then on SPI R-265 to SPI VORTAC.

TWAIN TRANSITION (LAKES3.TWAIN): From over MCI VORTAC on MCI R-075 and SPI R-265 to TWAIN FIX.

NOTE: RADAR required.
NOTE: DME required.

TAKEOFF MINIMUMS
Rwys 18, 36: Standard.

(RACER7.MCI) 20142

RACER SEVEN DEPARTURE

AL-9229 (FAA)

MIDWEST NATIONAL AIR CENTER (GPH)
MOSBY, MISSOURI

CLNC DEL
118.2
KANSAS CITY DEP CON
118.4 307.35

KANSAS CITY
113.25 MCI
Chan 79(Y)
N39°17.12′- W94°44.22′

TOPEKA
117.8 TOP
Chan 125

NAPOLEON
114.0 ANX
Chan 87

R-124
3000
190°
(34)
3100
164°
(36)
R-215

SPRNT
N38°44.30′
W94°55.79′

GRILD
N38°41.73′
W94°35.48′

3000
190°
(35)
3100
164°
(26)
J25
69
R-342

BUTLER
115.9 BUM
Chan 106
N38°16.32′ W94°29.30′
L-10-16, H-5

DOSOA
N38°10.24′
W95°07.61′
H-5

R-252

3100
128°
(78)
V71
R-311

SPRINGFIELD
116.9 SGF
Chan 116
N37°21.36′ W93°20.04′
L-16, H-5

NOTE: RADAR required.

TAKEOFF MINIMUMS

Rwys 18, 36: Standard.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

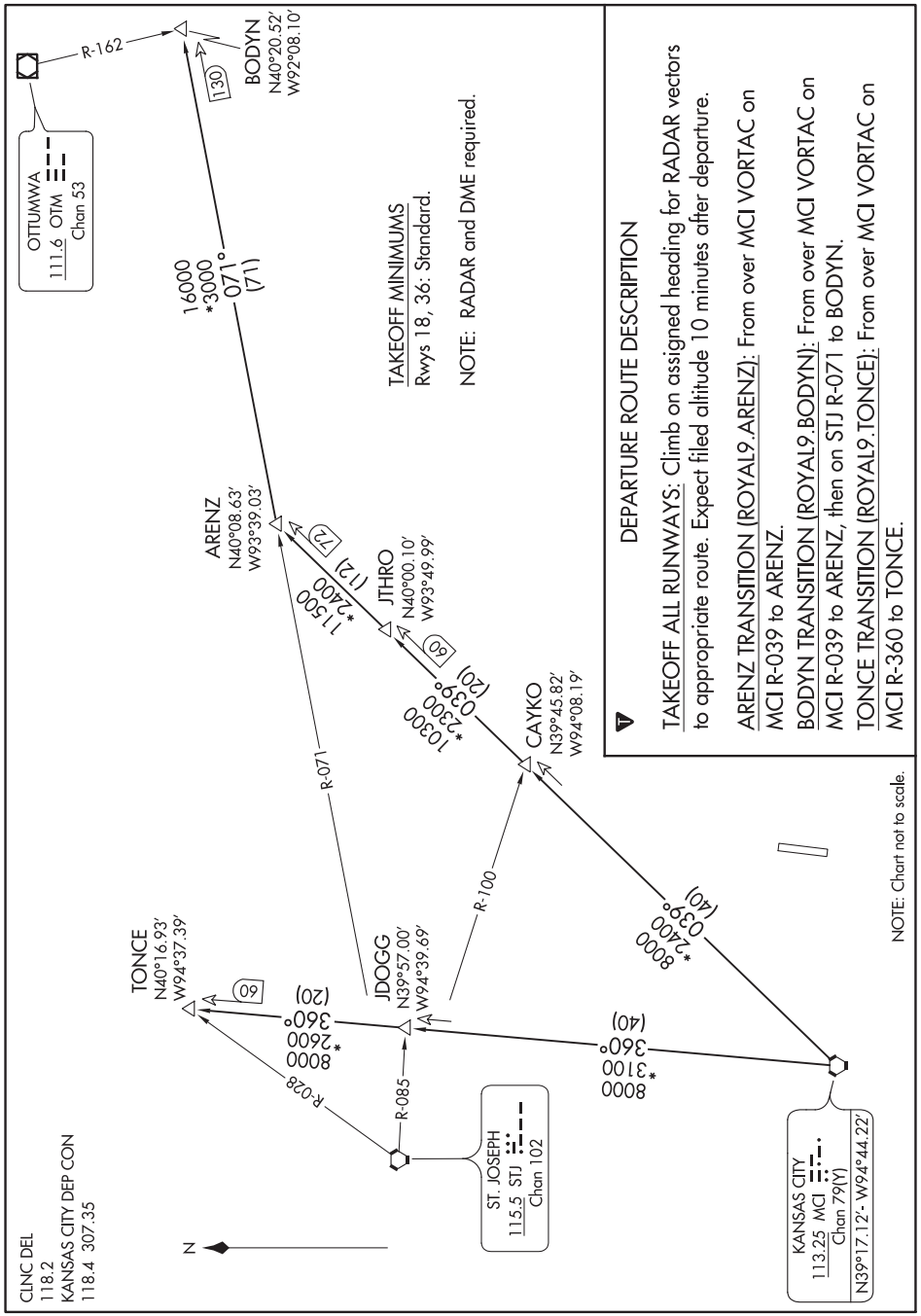
TAKEOFF ALL RUNWAYS: Climb on assigned heading for RADAR vectors to appropriate route. Expect filed altitude 10 minutes after departure.

BUTLER TRANSITION (RACER7.BUM): From over MCI VORTAC on MCI R-164 and BUM R-342 to BUM VORTAC.

DOSOA TRANSITION (RACER7.DOSOA): From over MCI VORTAC on MCI R-190 to DOSOA.

SPRINGFIELD TRANSITION (RACER7.SGF): From over MCI VORTAC on MCI R-164 and BUM R-342 to BUM VORTAC, then on BUM R-128 and SGF R-311 to SGF VORTAC.

NC-3, 25 FEB 2021 to 22 APR 2021


OTTUMWA
111.6 OTM
Chan 53
R-162
130
BODYN
N40°20.52'
W92°08.10'
16000
*3000
071°
(71)
ARENZ
N40°08.63'
W93°39.03'
1,500
*2400
(12)
72
JTHRO
N40°00.10'
W93°49.99'
60
10300
*2300
039°
(20)
CAYKO
N39°45.82'
W94°08.19'
8000
*2400
039°
(40)
R-071
R-100
TONCE
N40°16.93'
W94°37.39'
60
8000
*2600
360°
(20)
JDOGG
N39°57.00'
W94°39.69'
8000
*3100
360°
(40)
R-028
R-085
ST. JOSEPH
115.5 STJ
Chan 102
KANSAS CITY
113.25 MCI
Chan 79(Y)
N39°17.12'- W94°44.22'
N
CLNC DEL
118.2
KANSAS CITY DEP CON
118.4 307.35
TAKEOFF MINIMUMS
Rwys 18, 36: Standard.
NOTE: RADAR and DME required.
DEPARTURE ROUTE DESCRIPTION
TAKEOFF ALL RUNWAYS: Climb on assigned heading for RADAR vectors to appropriate route. Expect filed altitude 10 minutes after departure.
ARENZ TRANSITION (ROYAL9.ARENZ): From over MCI VORTAC on MCI R-039 to ARENZ.
BODYN TRANSITION (ROYAL9.BODYN): From over MCI VORTAC on MCI R-039 to ARENZ, then on STJ R-071 to BODYN.
TONCE TRANSITION (ROYAL9.TONCE): From over MCI VORTAC on MCI R-360 to TONCE.
NOTE: Chart not to scale.

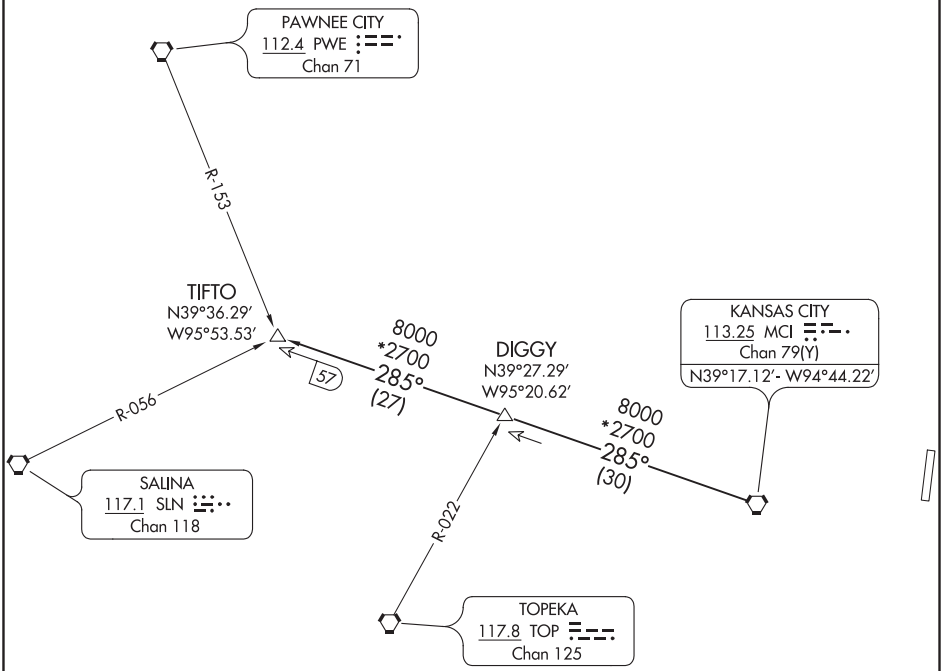
(TIFTO6.MCI) 20142

TIFTO SIX DEPARTURE

AL-9229 (FAA)

MIDWEST NATIONAL AIR CENTER (GPH)
MOSBY, MISSOURI

CLNC DEL
118.2
KANSAS CITY DEP CON
118.4 307.35



NOTE: RADAR required.

TAKEOFF MINIMUMS
Rwys 18, 36: Standard.

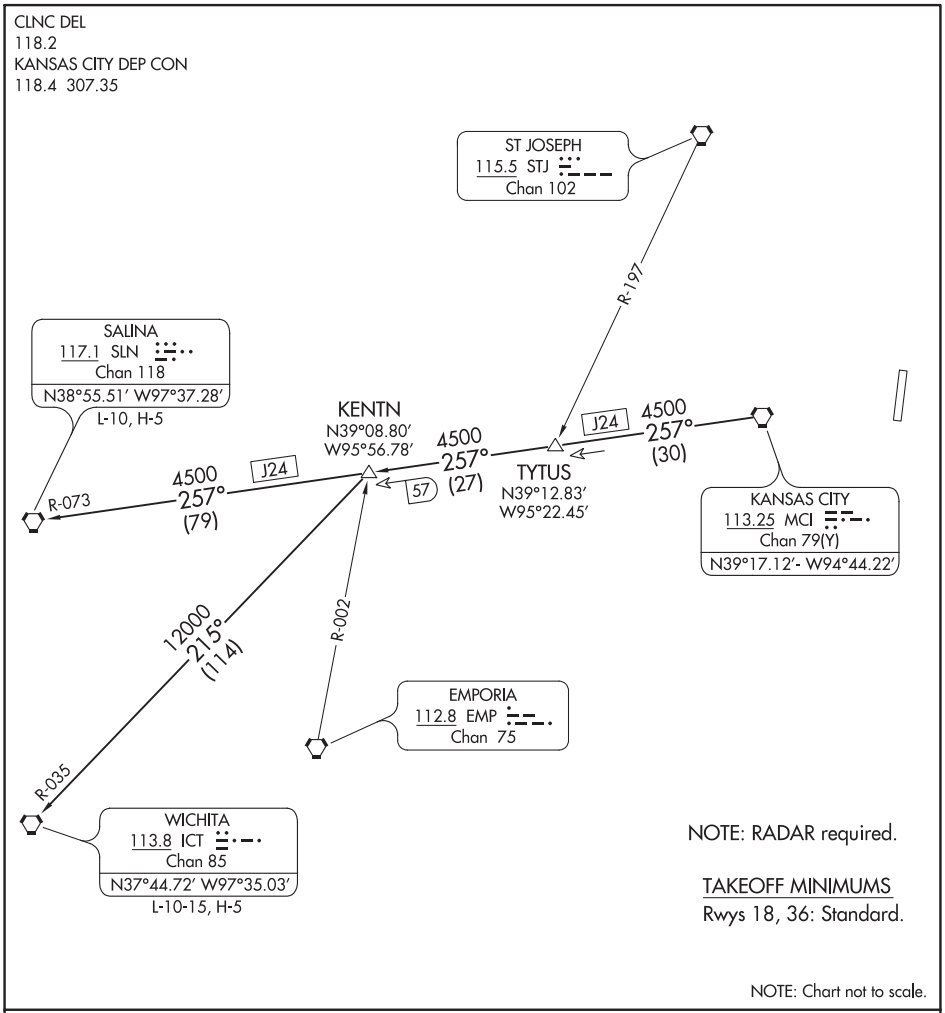
NOTE: Chart not to scale

DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: Climb on assigned heading for RADAR vectors to appropriate route. Expect filed altitude 10 minutes after departure.

TIFTO TRANSITION (TIFTO6.TIFTO): From over MCI VORTAC on MCI R-285 to TIFTO.

NC-3, 25 FEB 2021 to 22 APR 2021



NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: Climb on assigned heading for RADAR vectors to appropriate route. Expect filed altitude 10 minutes after departure.

KENTN TRANSITION (WLDCT5.KENTN): From over MCI VORTAC on MCI R-257 to KENTN.

SALINA TRANSITION (WLDCT5.SLN): From over MCI VORTAC on MCI R-257 and SLN R-073 to SLN VORTAC.

WICHITA TRANSITION (WLDCT5.ICT): From over MCI VORTAC on MCI R-257 to KENTN, then on ICT R-035 to ICT VORTAC.

MOUNT PLEASANT, IOWA | AL-5779 (FAA) | 18032

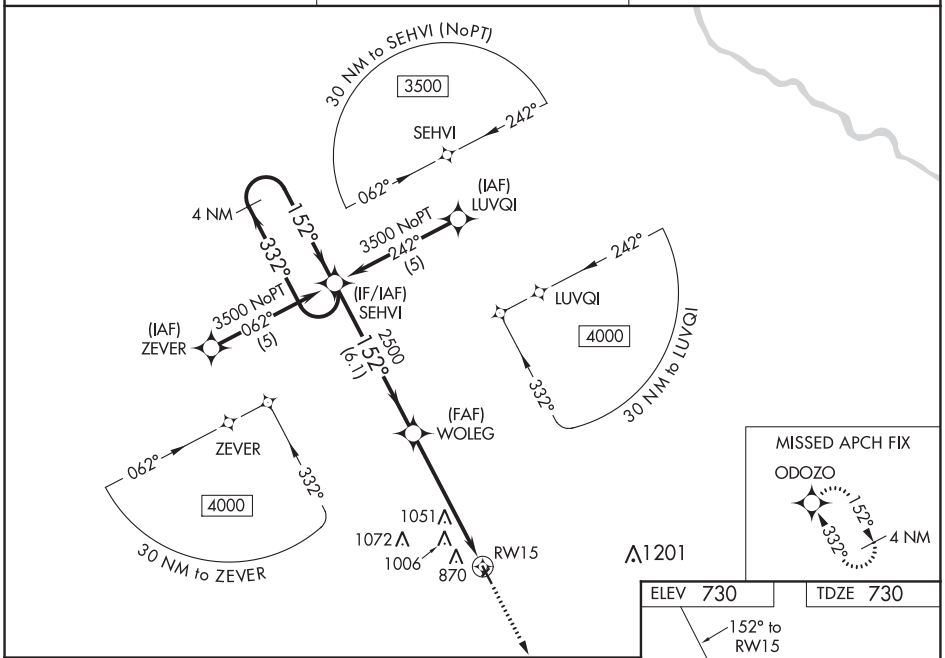
WAAS CH 86819 W15A	APP CRS 152°	Rwy ldg 3997 TDZE 730 Apt Elev 730

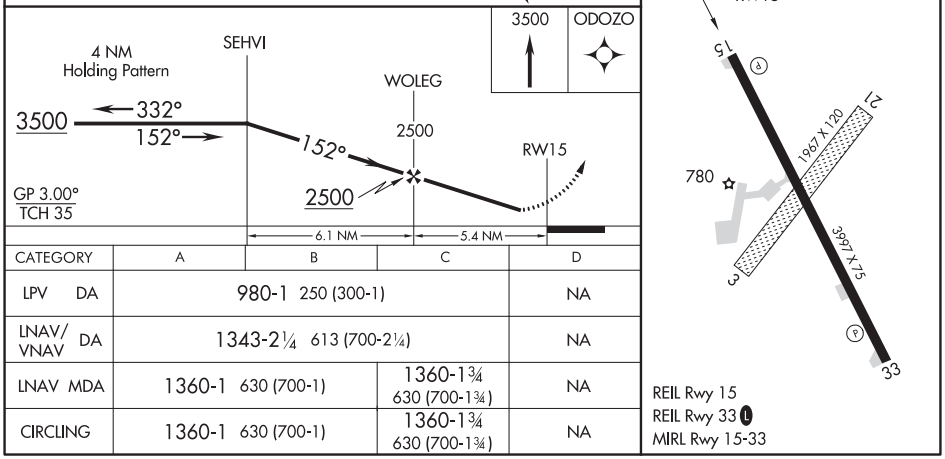
RNAV (GPS) RWY 15
MOUNT PLEASANT MUNI (MPZ)

Baro-VNAV NA when using Burlington altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When VGSI inoperative, straight-in minimums NA at night. When local altimeter setting not received, use Burlington altimeter setting: increase LPV DA to 1031 feet, LNAV/VNAV DA to 1394 feet and all LNAV/VNAV visibilities ¼ mile; increase all MDA 60 feet, increase LNAV and Circling Cat C visibility ¼ mile. Circling NA to Rwy 3/21.

MISSED APPROACH: Climb to 3500 direct ODOZO and hold.

AWOS-3	CHICAGO CENTER	UNICOM
119.325	135.6 316.1	123.05 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	980-1 250 (300-1)			NA
LNAV/VNAV DA	1343-2¼ 613 (700-2¼)			NA
LNAV MDA	1360-1 630 (700-1)		1360-1¾ 630 (700-1¾)	NA
CIRCLING	1360-1 630 (700-1)		1360-1¾ 630 (700-1¾)	NA

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

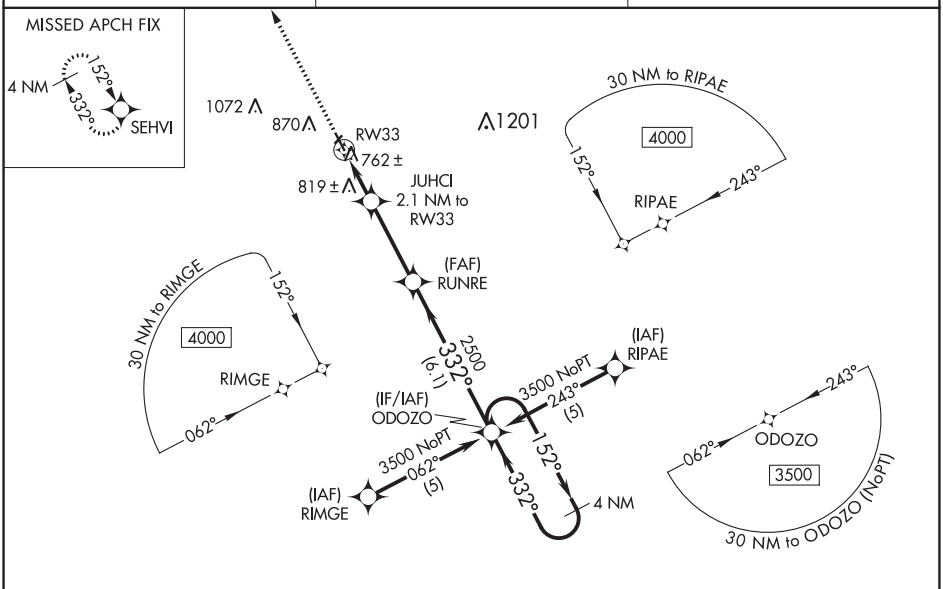
WAAS CH 81919 W33A	APP CRS 332°	Rwy ldg 3997 TDZE 730 Apt Elev 730

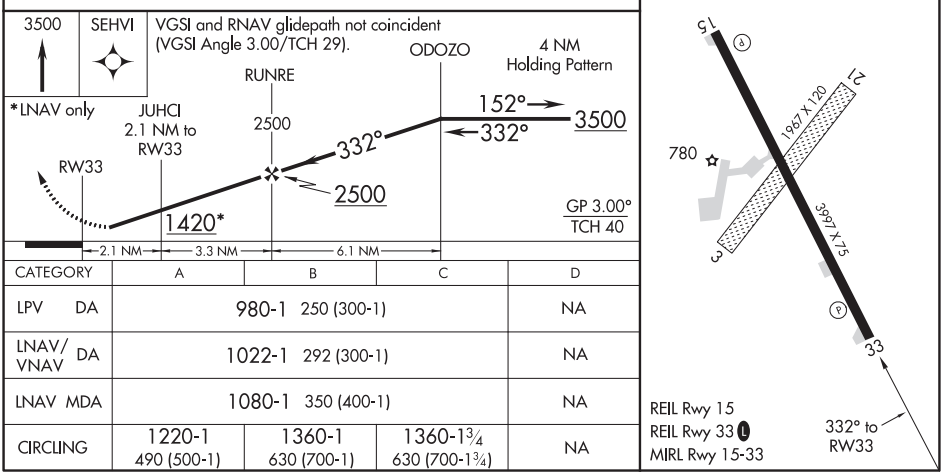
RNAV (GPS) RWY 33
MOUNT PLEASANT MUNI (MPZ)

Baro-VNAV NA when using Burlington altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When VGSI inoperative, straight-in minimums NA at night. When local altimeter setting not received, use Burlington altimeter setting: increase LPV DA to 1031 feet, LNAV/VNAV DA to 1073 feet and all LNAV/VNAV visibilities ¼ mile; increase all MDA 60 feet, and LNAV and Circling Cat C visibility ¼ mile. Circling NA to Rwy 3/21.

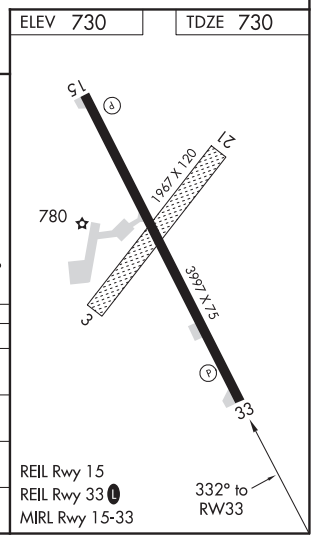
MISSED APPROACH: Climb to 3500 direct SEHVI and hold.

AWOS-3	CHICAGO CENTER	UNICOM
119.325	135.6 316.1	123.05 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	980-1 250 (300-1)			NA
LNAV/VNAV DA	1022-1 292 (300-1)			NA
LNAV MDA	1080-1 350 (400-1)			NA
CIRCLING	1220-1 490 (500-1)	1360-1 630 (700-1)	1360-1¾ 630 (700-1¾)	NA



NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

MOUNTAIN GROVE, MISSOURI | AL-6763 (FAA) | 20198

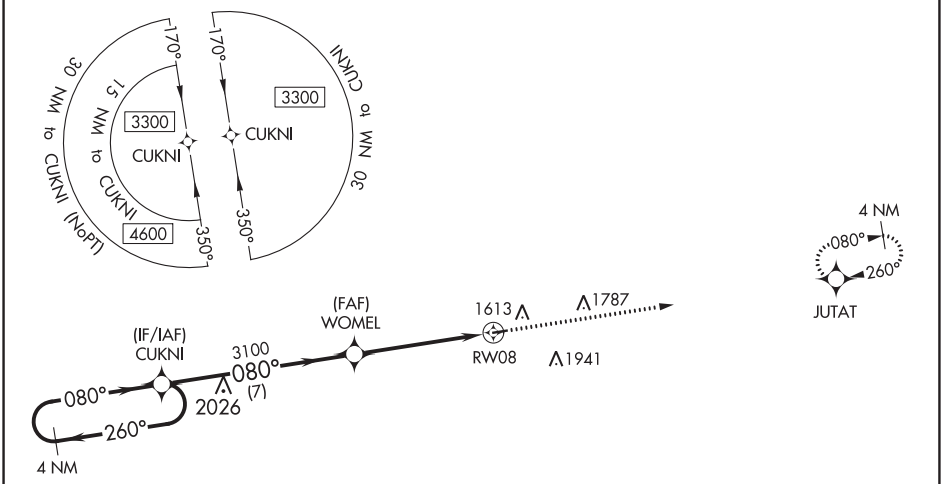
RNAV (GPS) RWY 8
MOUNTAIN GROVE MEMORIAL (1MO)

APP CRS	Rwy ldg	2922
080°	TDZE	1476
	Apt Elev	1476

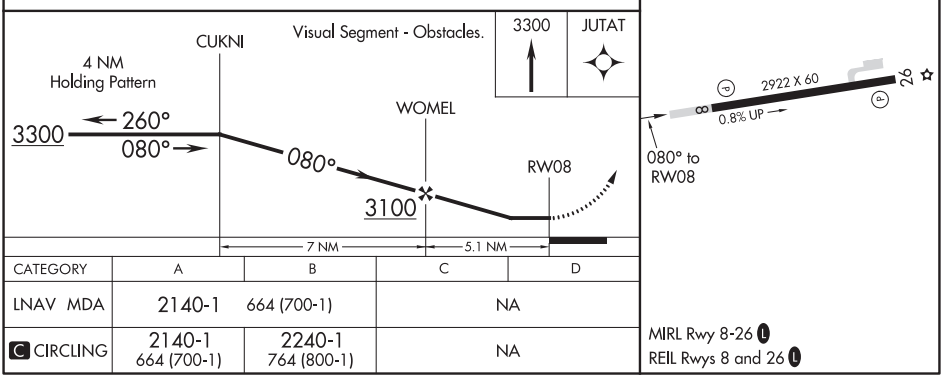
T NA DME/DME RNP-0.3 NA. Procedure NA at night. Use Fort Leonard Wood altimeter setting, when not received use Springfield altimeter setting and increase all MDA 20 feet. Helicopter visibility reduction below 1 SM NA.

MISSED APPROACH: Climb to 3300 direct JUTAT and hold.

KANSAS CITY CENTER	CTAF
128.35 284.675	122.9 L



ELEV 1476 | TDZE 1476



CATEGORY	A	B	C	D
LNAV MDA	2140-1	664 (700-1)	NA	
C CIRCLING	2140-1 664 (700-1)	2240-1 764 (800-1)	NA	

MIRL Rwy 8-26 L
REIL Rwys 8 and 26 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 93736 W26A	APP CRS 260°	Rwy ldg 2922 TDZE 1476 Apt Elev 1476

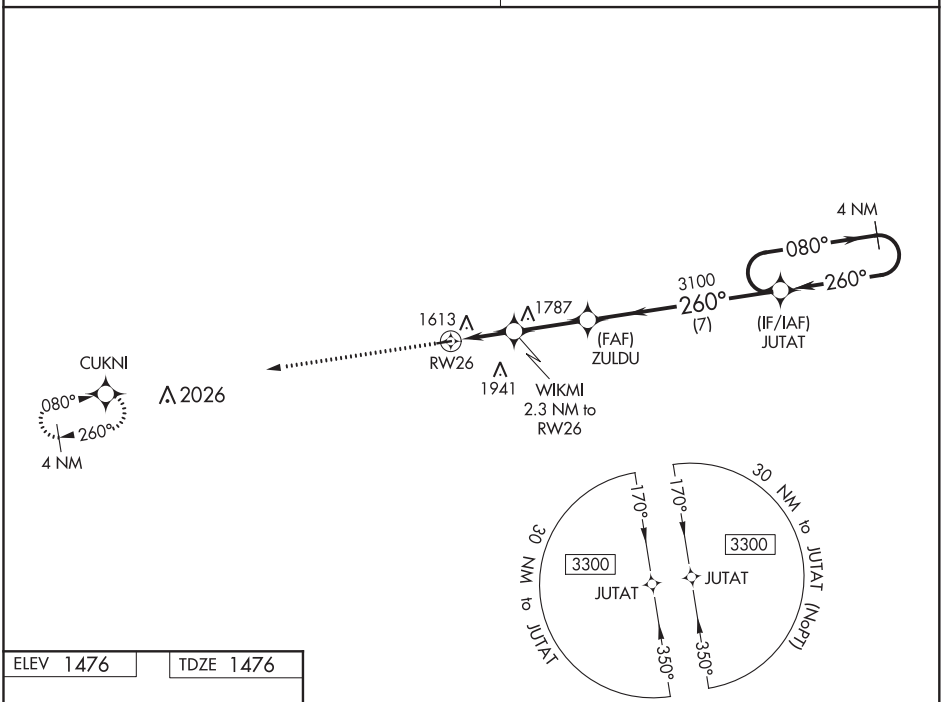
RNAV (GPS) RWY 26
MOUNTAIN GROVE MEMORIAL (1MO)

T NA

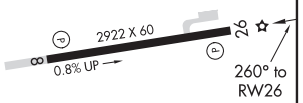
DME/DME RNP-0.3 NA. Procedure NA at night. Use Fort Leonard Wood altimeter setting, when not received use Springfield altimeter setting and increase all MDA 20 feet. Helicopter visibility reduction below 1 SM NA.

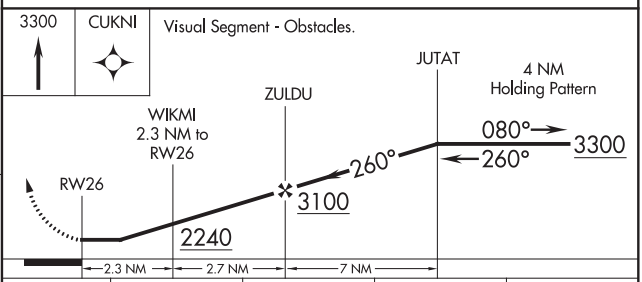
MISSED APPROACH: Climb to 3300 direct CUKNI and hold.

KANSAS CITY CENTER	CTAF
128.35 284.675	122.9 L



ELEV 1476	TDZE 1476





CATEGORY	A	B	C	D
LP MDA	2120-1 644 (700-1)		NA	
LNAV MDA	2160-1 684 (700-1)		NA	
C CIRCLING	2160-1 684 (700-1)	2240-1 764 (800-1)	NA	

MIRL Rwy 8-26 L
REIL Rwys 8 and 26 L

NC-3, 25 FEB 2021 to 22 APR 2021

MOUNTAIN VIEW, MISSOURI AL-6412 (FAA) 20198

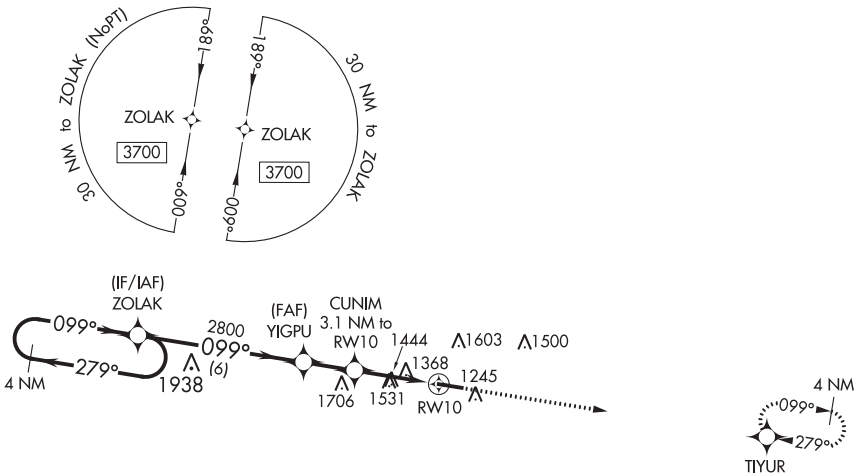
WAAS CH 73032 W10A	APP CRS 099°	Rwy ldg 4686 TDZE 1179 Apt Elev 1182

RNAV (GPS) RWY 10
MOUNTAIN VIEW (MNF)

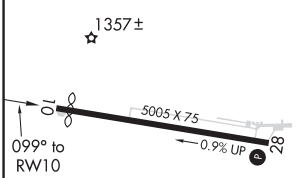
T A NA Procedure NA at night. DME/DME RNP-0.3 NA. Helicopter visibility reduction below 1 SM NA. Use West Plains altimeter setting, when not received, use Fort Leonard Wood altimeter setting and increase all MDA 80 feet; increase LP Cats C and D visibility ¼ mile, increase LNAV Cat B visibility ¼ mile, LNAV Cats C and D visibility ⅛ mile, and increase Circling Cats B and C visibility ¼ mile.

MISSED APPROACH: Climb to 3700 direct TIYUR and hold.

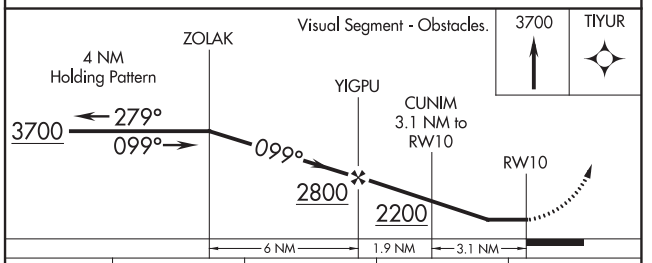
KANSAS CITY CENTER	UNICOM
128.35 284.675	122.8 (CTAF) L



ELEV 1182	TDZE 1179



MIRL Rwy 10-28 L



CATEGORY	A	B	C	D
LP MDA	1740-1 561 (600-1)		1740-1⅝ 561 (600-1⅝)	
LNAV MDA	1820-1 641 (700-1)		1820-1⅞ 641 (700-1⅞)	
CIRCLING	1880-1 698 (700-1)	2080-1¼ 898 (900-1¼)	2080-2¾ 898 (900-2¾)	2180-3 998 (1000-3)

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 63232 W28A	APP CRS 279°	Rwy ldg 5005 TDZE 1162 Apt Elev 1182

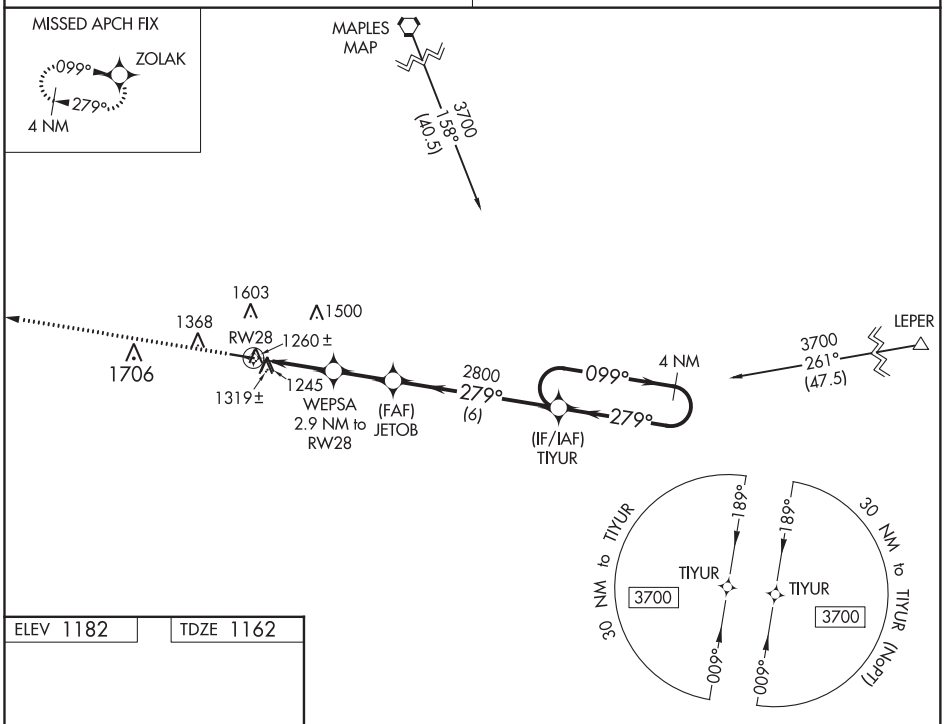
RNAV (GPS) RWY 28
MOUNTAIN VIEW (MNF)

T A NA

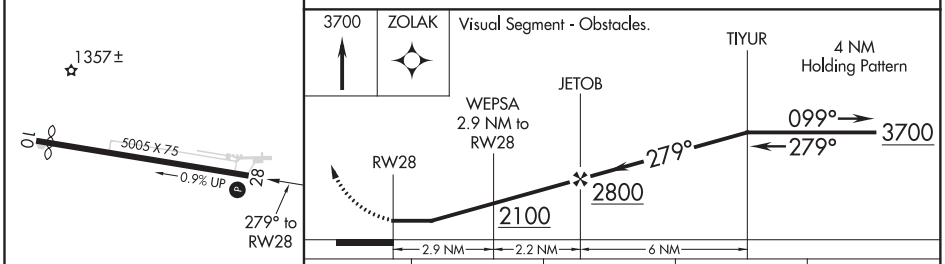
DME/DME RNP-0.3 NA. Helicopter visibility reduction below 1 SM NA. Use West Plains altimeter setting; when not received, use Fort Leonard Wood altimeter setting and increase all MDA 80 feet; increase LP Cats C and D visibility ⅛ mile, increase LNAV Cats C and D and Circling Cats B and C visibility ¼ mile. Procedure NA at night.

MISSED APPROACH: Climb to 3700 direct ZOLAK and hold.

KANSAS CITY CENTER	UNICOM
128.35 284.675	122.8 (CTAF) L



ELEV 1182 TDZE 1162



CATEGORY	A	B	C	D
LP MDA	1560-1 398 (400-1)		1560-1¼ 398 (400-1¼)	
LNAV MDA	1620-1 458 (500-1)		1620-1⅜ 458 (500-1⅜)	
CIRCLING	1880-1 698 (700-1)	2080-1¼ 898 (900-1¼)	2080-2¾ 898 (900-2¾)	2180-3 998 (1000-3)

MIRL Rwy 10-28 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

MUSCATINE, IOWA

AL-5564 (FAA)

19171

ILS or LOC RWY 24
MUSCATINE MUNI (MUT)

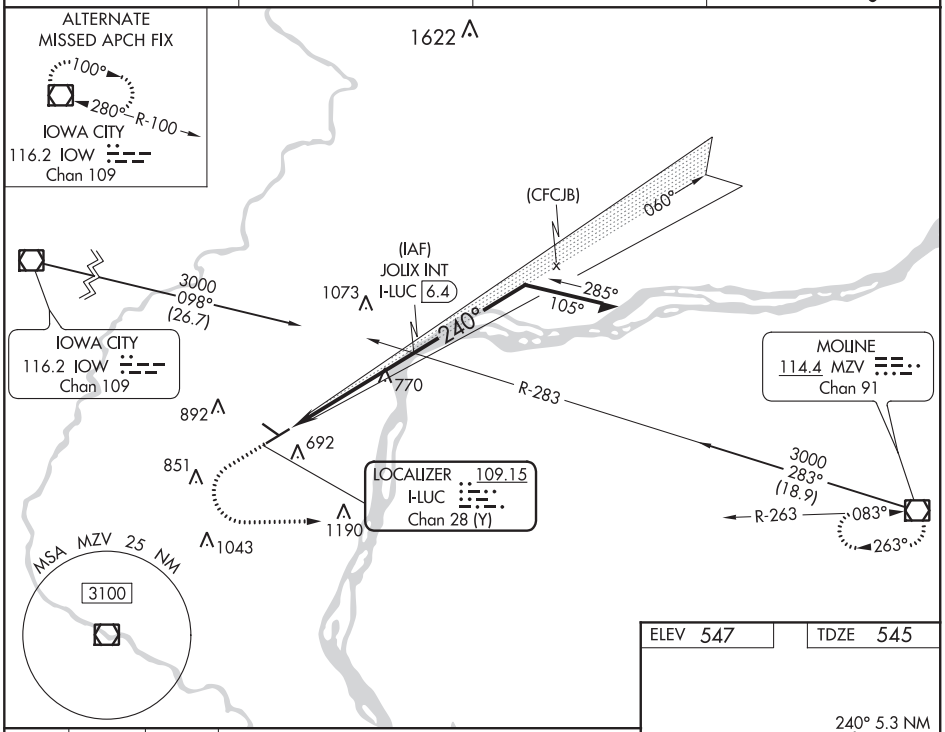
LOC/DME I-LUC	APP CRS	Rwy ldg	5500
109.15	240°	TDZE	545
Chan 28 (Y)		Apt Elev	547

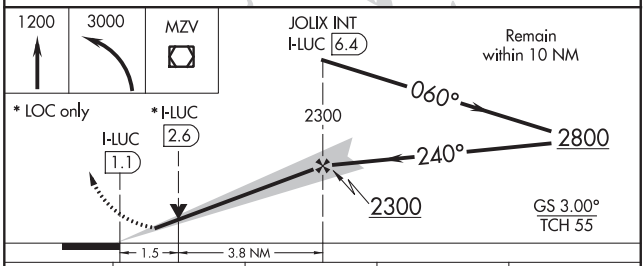
T A NA — VDP NA with Iowa City altimeter setting. When local altimeter setting not received, use Iowa City altimeter setting; increase DA to 825 feet; increase all MDA 80 feet and S-LOC 24 Cat C/D visibility ⅜ SM and Circling Cat C visibility ¼ SM. For inop ALS when using Iowa City altimeter setting, increase S-ILS 24 visibility to 1 SM all Cats, and S-LOC 24 Cat C/D visibility to 1¾ SM.

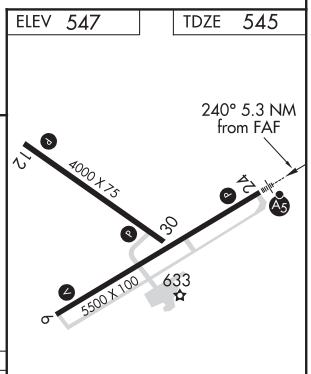
MALSR A5

MISSED APPROACH: Climb to 1200 then climbing left turn to 3000 direct MZV VOR/DME and hold.

AWOS-3	QUAD CITY APP CON ★	CLNC DEL	UNICOM
119.775	133.275 257.8	119.125	122.7 (CTAF) L







CATEGORY	A	B	C	D
S-ILS 24	745-½ 200 (200-½)			
S-LOC 24	1080-½ 535 (600-½)		1080-1 535 (600-1)	
C CIRCLING	1080-1 533 (600-1)	1200-1 653 (700-1)	1200-1¾ 653 (700-1¾)	1500-3 953 (1000-3)

REIL Rwys 6, 12, and 30 L

MIRL Rwys 6-24 and 12-30 L

FAF to MAP 5.3 NM					
Knots	60	90	120	150	180
Min:Sec	5:18	3:32	2:39	2:07	1:46

NC-3, 25 FEB 2021 to 22 APR 2021

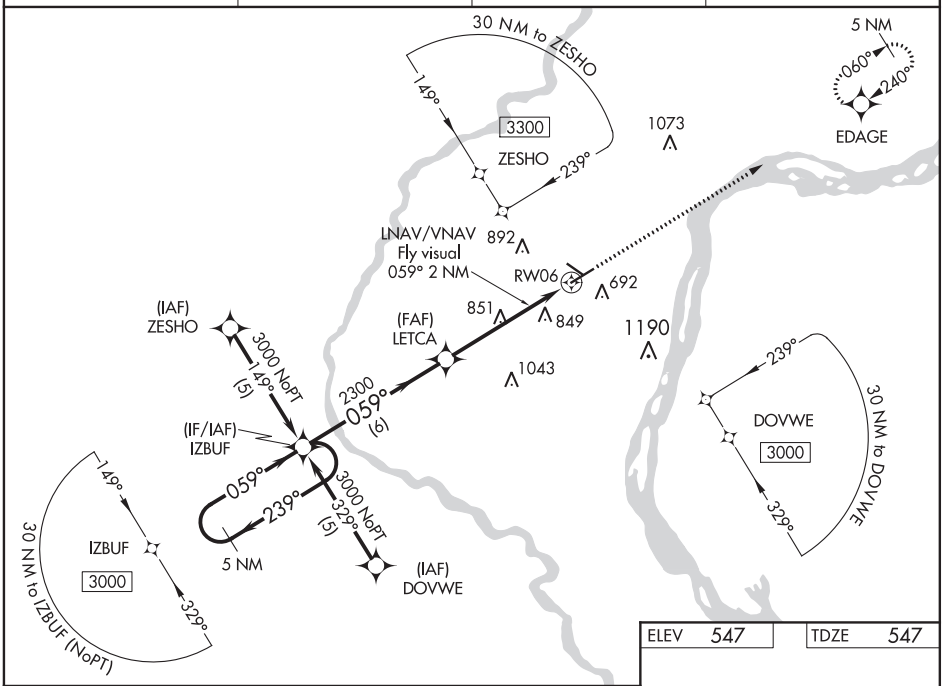
WAAS CH 53701 W06A	APP CRS 059°	Rwy ldg 5500 TDZE 547 Apt Elev 547

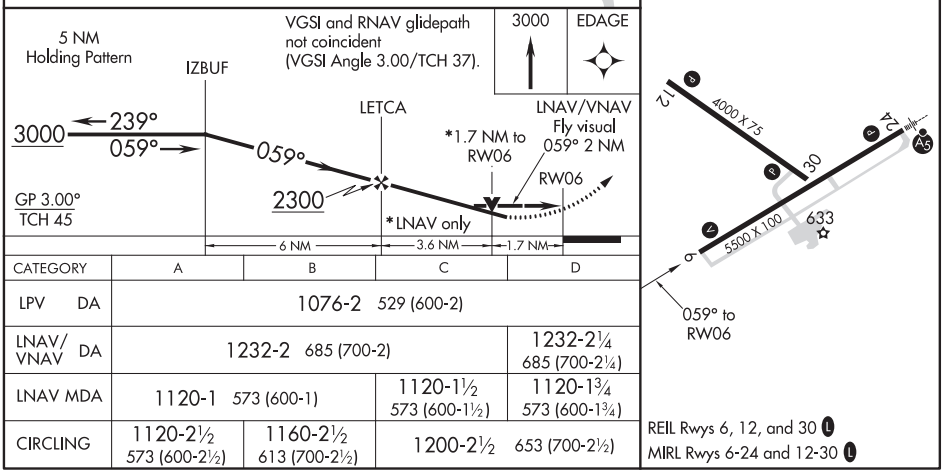
RNAV (GPS) RWY 6
MUSCATINE MUNI (MUT)

DME/DME RNP-0.3 NA. Visibility reductions by helicopters NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 48°C (118°F). If local altimeter setting not received, use Iowa City Muni altimeter setting and increase all DAs/MDAs 80 feet. Baro-VNAV and VDP NA when using Iowa City Muni altimeter setting.

MISSED APPROACH: Climb to 3000 direct EDAGE and hold.

AWOS-3	QUAD CITY APP CON *	CLNC DEL	UNICOM
119.775	133.275 257.8	119.125	122.7 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1076-2 529 (600-2)			
LNAV/VNAV DA	1232-2 685 (700-2)			1232-2¼ 685 (700-2¼)
LNAV MDA	1120-1 573 (600-1)		1120-1½ 573 (600-1½)	1120-1¾ 573 (600-1¾)
CIRCLING	1120-2½ 573 (600-2½)	1160-2½ 613 (700-2½)	1200-2½ 653 (700-2½)	

REIL Rwys 6, 12, and 30 L
MIRL Rwys 6-24 and 12-30 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

MUSCATINE, IOWA

AL-5564 (FAA)

19171

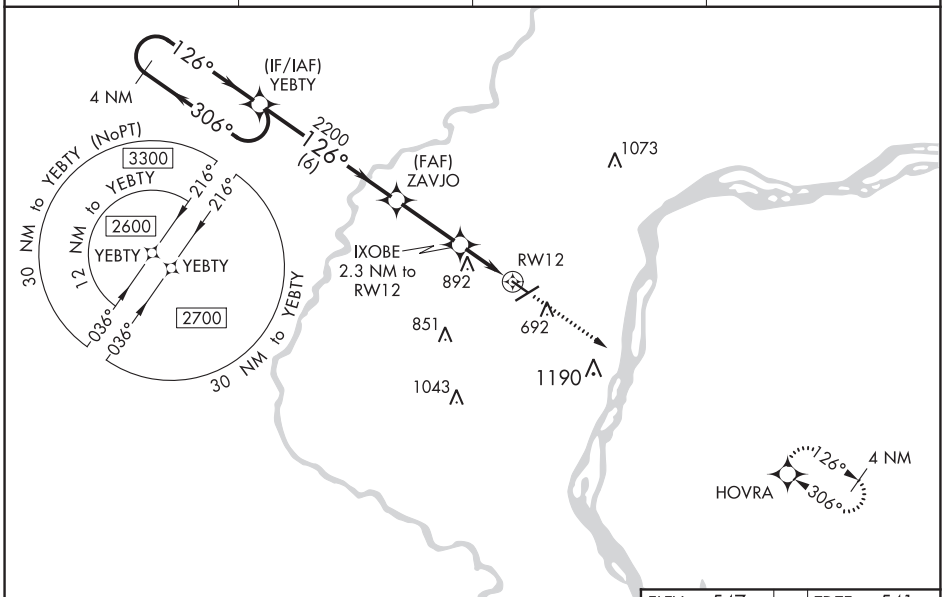
RNAV (GPS) RWY 12
MUSCATINE MUNI (MUT)

WAAS CH 56336 W12A	APP CRS 126°	Rwy ldg 4000 TDZE 541 Apt Elev 547

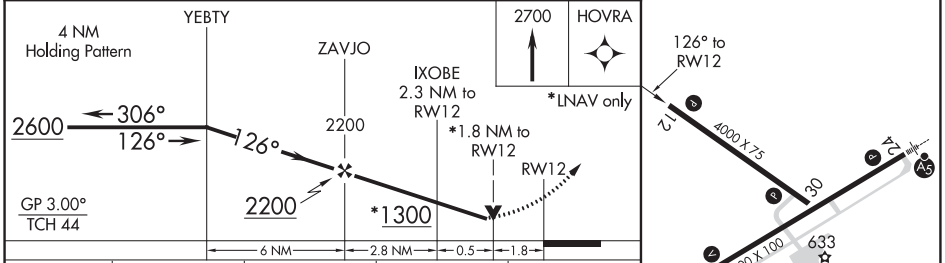
T A DME/DME RNP-0.3 NA. Helicopter visibility reduction below 1 SM NA. VDP and Baro-VNAV NA with Iowa City altimeter setting. When local altimeter setting not received, use Iowa City altimeter setting and increase all DA 76 feet and all MDA 80 feet, increase LPV, LNAV/VNAV all Cats visibility ½ mile. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F).

MISSED APPROACH: Climb to 2700 direct HOVRA and hold.

AWOS-3	QUAD CITY APP CON *	CLNC DEL	UNICOM
119.775	133.275 257.8	119.125	122.7 (CTAF) L



ELEV 547	TDZE 541



CATEGORY	A	B	C	D
LPV DA	1207-2½	666 (700-2½)	NA	
LNAV/VNAV DA	1223-2½	682 (700-2½)	NA	
LNAV MDA	1140-1	599 (600-1)	NA	
C CIRCLING	1140-1 593 (600-1)	1200-1 653 (700-1)	NA	

REIL Rwys 6, 12, and 30 L
MIRL Rwys 6-24 and 12-30 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

RNAV (GPS) RWY 24
MUSCATINE MUNI (MUT)

WAAS CH 99701 W24A	APP CRS 240°	Rwy ldg 5500 TDZE 545 Apt Elev 547

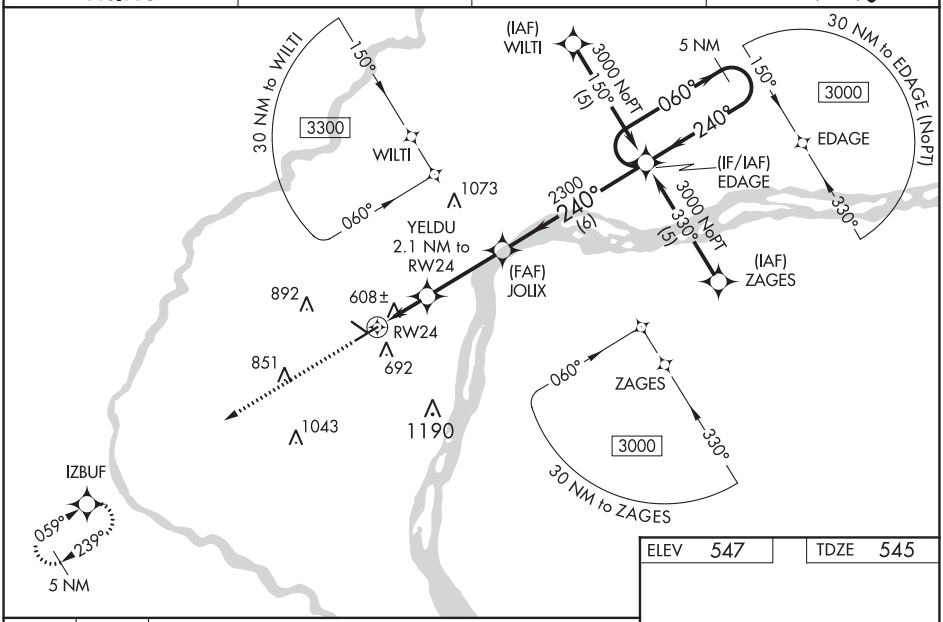
RNP APCH.

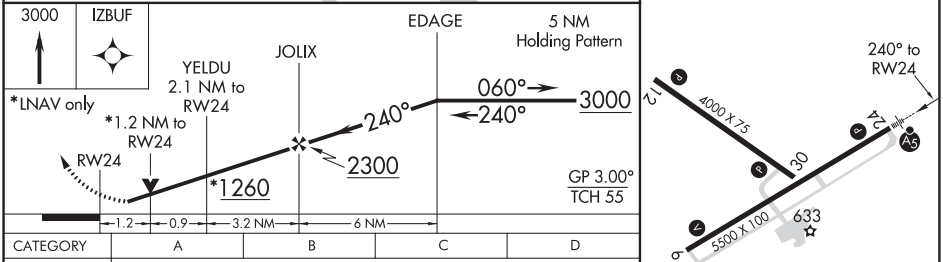
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 48°C (118°F). For inop ALS, increase LPV all visibilities to 1 SM, increase LNAV/VNAV all Cats and LNAV Cats C visibility to 1⅛ SM, and increase LNAV Cat D visibility to 1¼ SM. When local altimeter setting not received, use Iowa City altimeter setting and increase LPV DA to 992 and all visibilities ⅛ SM; increase LNAV/VNAV DA to 1030 feet and all visibilities ¼ SM; increase all MDA 80 feet and LNAV Cats C and D visibility ¼ SM and Circling Cat C visibility ¼ SM. For inop ALS when using Iowa City altimeter setting, increase LPV all visibilities to 1 SM, LNAV/VNAV all visibilities to 1⅜ SM, LNAV Cats A and B visibility to 1 SM, and LNAV Cats C and D visibility to 1⅜ SM. Baro-VNAV and VDP NA when using Iowa City altimeter setting.

MALSR

MISSED APPROACH: Climb to 3000 direct IZBUF and hold.

AWOS-3	QUAD CITY APP CON ★	CLNC DEL	UNICOM
119.775	133.275 257.8	119.125	122.7 (CTAF) L





ELEV 547 TDZE 545

CATEGORY	A	B	C	D
LPV DA	812-½ 267 (300-½)			
LNAV/VNAV DA	950-¾ 405 (500-¾)			
LNAV MDA	960-½ 415 (500-½)		960-¾ 415 (500-¾)	960-1 415 (500-1)
C CIRCLING	1080-1¼ 533 (600-1¼)	1200-1¼ 653 (700-1¼)	1200-1¾ 653 (700-1¾)	1500-3 953 (1000-3)

REIL Rwys 6, 12, and 30 L
MIRL Rwys 6-24 and 12-30 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

MUSCATINE, IOWA

AL-5564 (FAA)

19171

RNAV (GPS) RWY 30

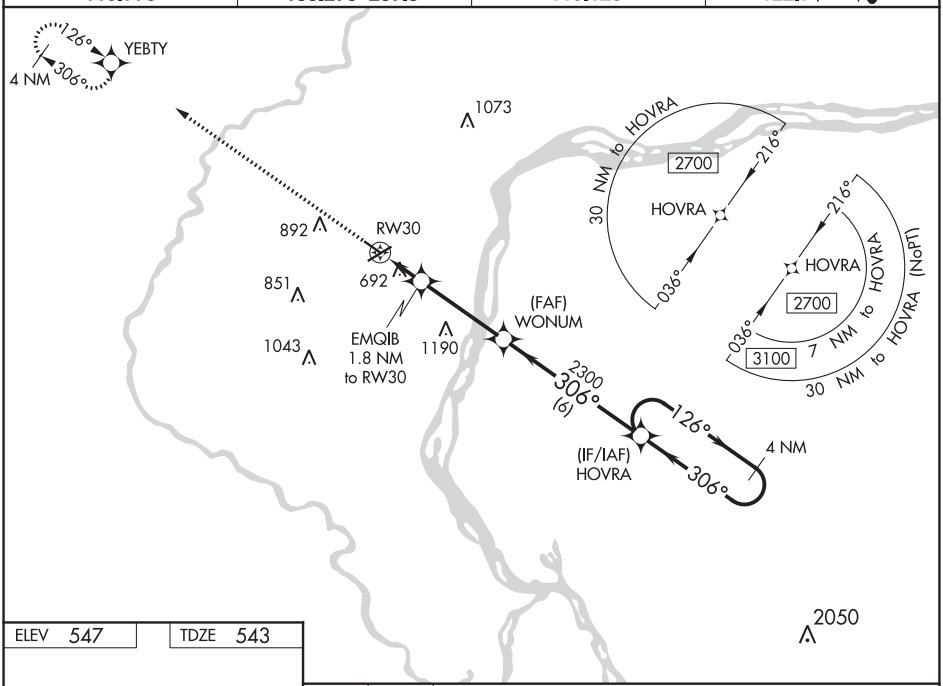
MUSCATINE MUNI (MUT)

WAAS CH 42636 W30A	APP CRS 306°	Rwy ldg 4000 TDZE 543 Apt Elev 547

DME/DME RNP-0.3 NA. Helicopter visibility reduction below 1 SM NA. VDP and Baro-VNAV NA with Iowa City altimeter setting. When local altimeter setting not received, use Iowa City altimeter setting and increase all DA 76 feet and all MDA 80 feet, increase LNAV/VNAV all Cats visibility ¼ mile. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F).

MISSED APPROACH: Climb to 2600 direct YEBTY and hold.

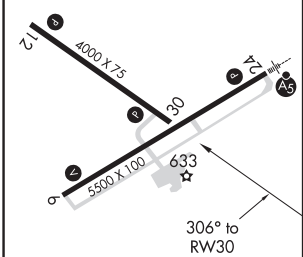
AWOS-3	QUAD CITY APP CON *	CLNC DEL	UNICOM
119.775	133.275 257.8	119.125	122.7 (CTAF) L

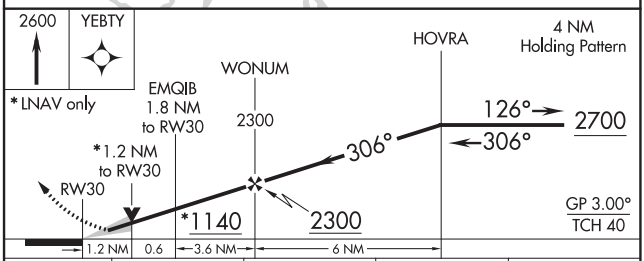


NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

ELEV 547 | TDZE 543





CATEGORY	A	B	C	D
LPV DA	743-1 200 (200-1)		NA	
LNAV/VNAV DA	989-1½ 446 (500-1½)		NA	
LNAV MDA	960-1 417 (500-1)		NA	
C CIRCLING	1000-1 453 (500-1)	1200-1 653 (700-1)	NA	

REIL Rwys 6, 12, and 30 L

MIRL Rwys 6-24 and 12-30 L

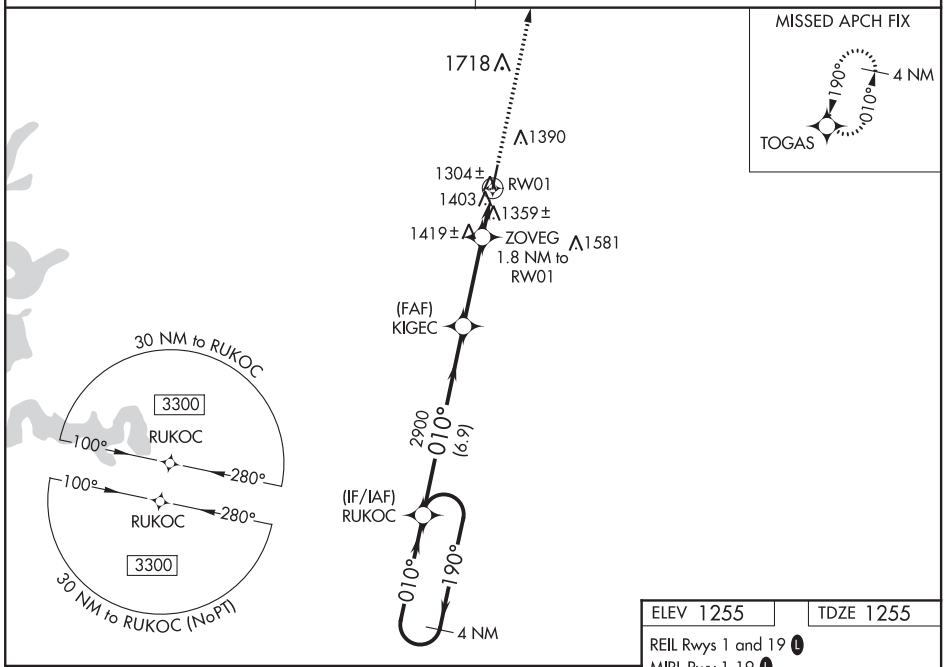
WAAS CH 99302 W01A	APP CRS 010°	Rwy ldg 5001 TDZE 1255 Apt Elev 1255

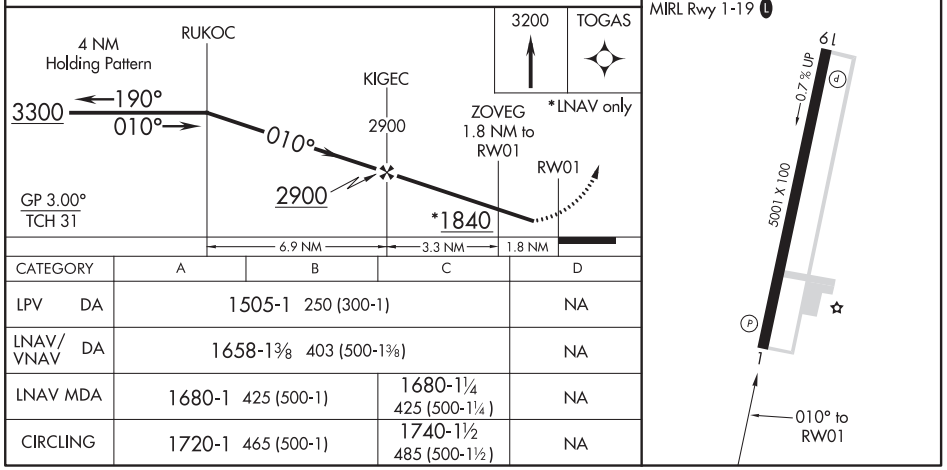
RNAV (GPS) RWY 1
NEOSHO HUGH ROBINSON (EOS)

Baro-VNAV NA when using Joplin altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Joplin altimeter setting and increase all DA 87 feet and all MDA 100 feet; increase LPV all Cats visibility ⅛ mile, LNAV/VNAV all Cats visibility ⅜ mile, and LNAV Cat C visibility ¼ mile. When VGSI inop, Straight-in/Circling to Rwy 1 NA at night.

MISSED APPROACH: Climb to 3200 direct TOGAS and hold.

KANSAS CITY CENTER	AUNICOM
128.6 282.325	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1505-1 250 (300-1)			NA
LNAV/VNAV DA	1658-1⅜ 403 (500-1⅜)			NA
LNAV MDA	1680-1 425 (500-1)		1680-1¼ 425 (500-1¼)	NA
CIRCLING	1720-1 465 (500-1)		1740-1½ 485 (500-1½)	NA

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

NEOSHO, MISSOURI | AL-5610 (FAA) | 19115

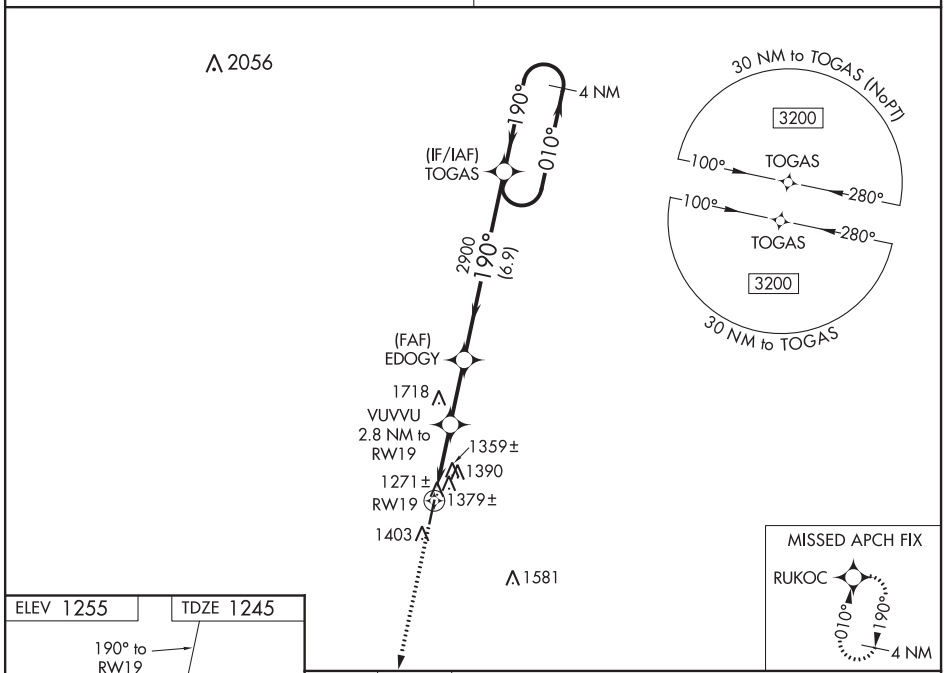
WAAS CH 56522 W19A	APP CRS 190°	Rwy ldg 5001 TDZE 1245 Apt Elev 1255

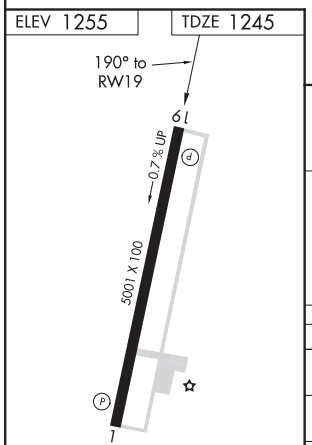
RNAV (GPS) RWY 19
NEOSHO HUGH ROBINSON (EOS)

When VGSI inop, Circling Rwy 1 NA at night. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Joplin altimeter setting and increase all DA 87 feet and all MDA 100 feet; increase LPV all Cats visibility ⅛ mile, LNAV/VNAV all Cats visibility ⅜ mile, and LNAV Cat C visibility ¼ mile. VDP and Baro-VNAV NA when using Joplin altimeter setting.

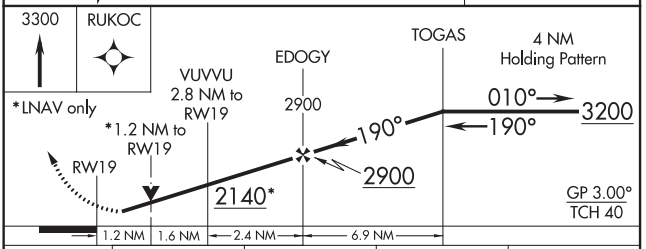
MISSED APPROACH: Climb to 3300 direct RUKOC and hold.

KANSAS CITY CENTER	AUNICOM
128.6 282.325	122.8 (CTAF) L





REIL Rwys 1 and 19 L
MIRL Rwy 1-19 L



CATEGORY	A	B	C	D
LPV DA	1495-1 250 (300-1)			NA
LNAV/VNAV DA	1692-1½ 447 (500-1½)			NA
LNAV MDA	1640-1 395 (400-1)		1640-1¼ 395 (400-1¼)	NA
CIRCLING	1720-1 465 (500-1)		1740-1½ 485 (500-1½)	NA

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

NEOSHO, MISSOURI
Amdt 1A 28MAY15

36°49′N-94°24′W

NEOSHO HUGH ROBINSON (EOS)
RNAV (GPS) RWY 19

WAAS CH 82019 W02A	APP CRS 024°	Rwy ldg 5000 TDZE 890 Apt Elev 892

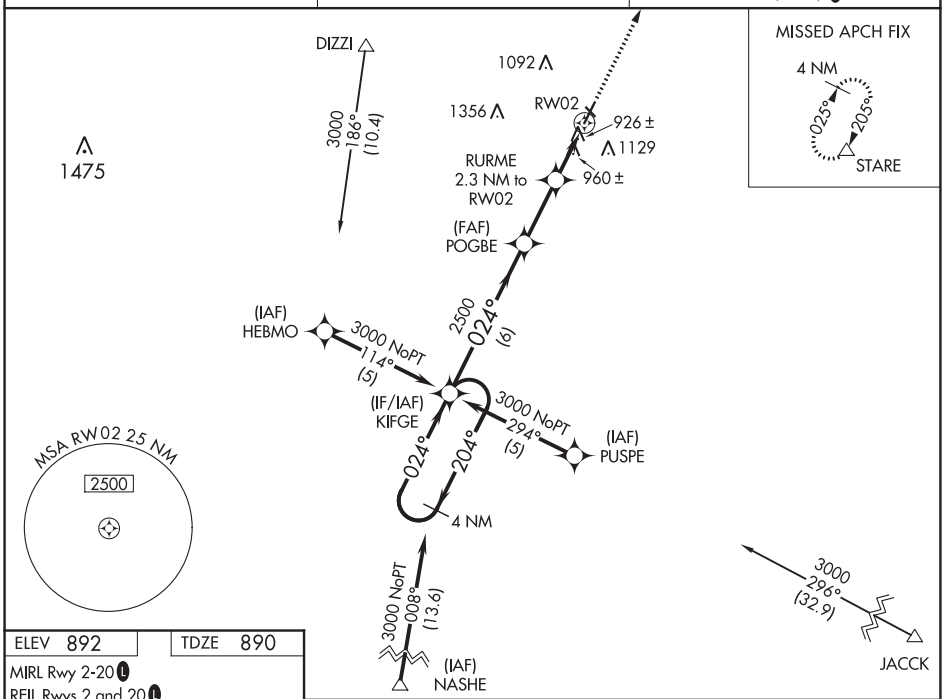
RNAV (GPS) RWY 2
NEVADA MUNI (NVD)

T
NA

DME/DME RNP-0.3 NA. Baro-VNAV and VDP NA when using Joplin Rgnl altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). When local altimeter setting not received, use Joplin Rgnl altimeter setting and increase all DA 112 feet and all MDA 120 feet, increase LNAV/VNAV all Cats and LNAV Cat C visibility ¼ mile. Circling NA to Rwy 13-31.

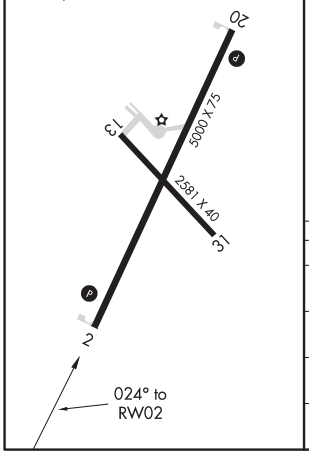
MISSED APPROACH: Climb to 3000 direct STARE and hold.

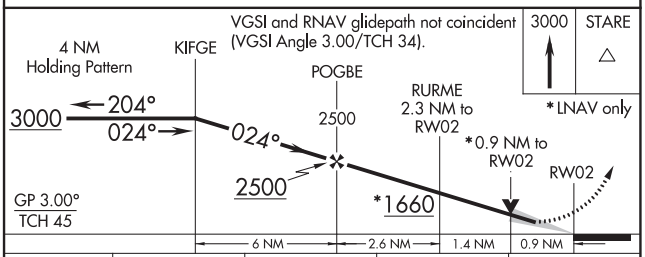
AWOS-3	KANSAS CITY CENTER	UNICOM
119.175	125.55 327.0	122.8 (CTAF) L



ELEV 892 | TDZE 890

MIRL Rwy 2-20 L
REIL Rwys 2 and 20 L





CATEGORY	A	B	C	D
LPV DA	1090-1 200 (200-1)			NA
LNAV/VNAV DA	1219-1¼ 329 (400-1¼)			NA
LNAV MDA	1220-1 330 (400-1)			NA
CIRCLING	1260-1 368 (400-1)	1440-1 548 (600-1)	1440-1½ 548 (600-1½)	NA

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

NEVADA, MISSOURI | AL-5831 (FAA) | 18088

RNAV (GPS) RWY 20
NEVADA MUNI (NVD)

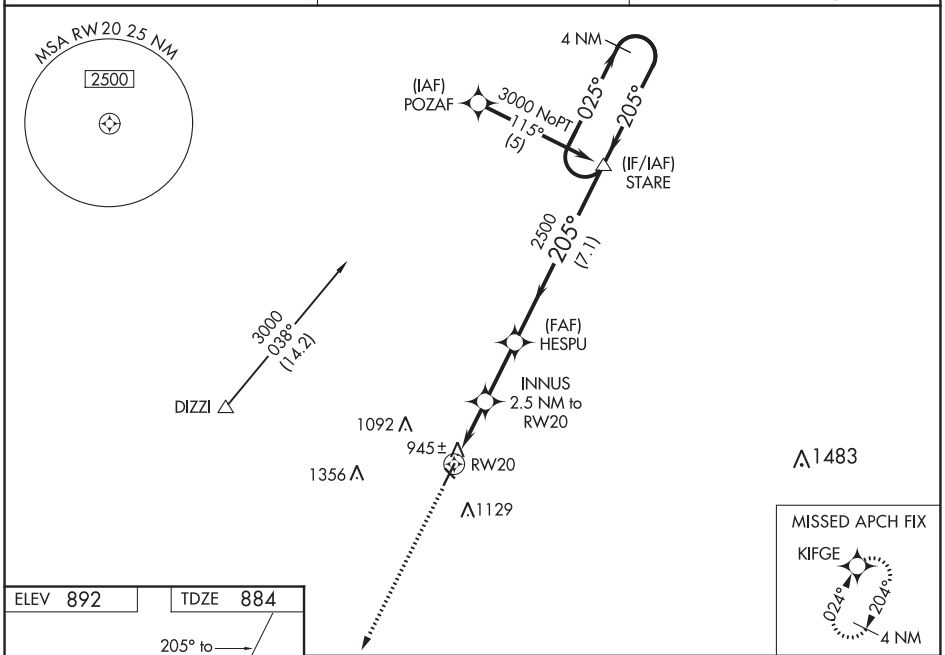
WAAS CH 77719 W20A	APP CRS 205°	Rwy ldg 5000 TDZE 884 Apt Elev 892

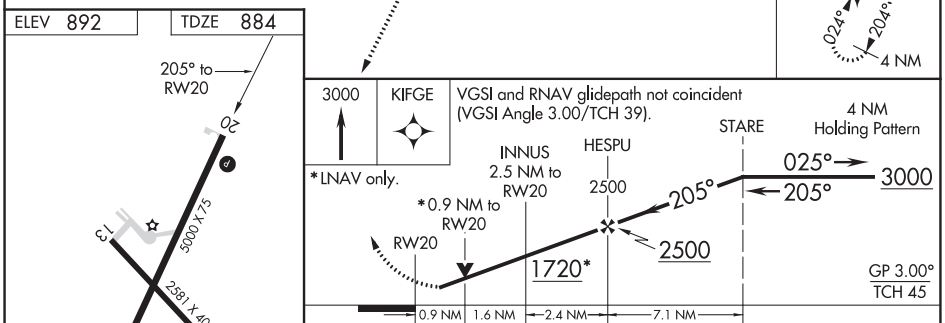
DME/DME RNP-0.3 NA. Rwy 20 helicopter visibility reduction below ¾ SM NA. Baro-VNAV and VDP NA when using Joplin Rgnl altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). When local altimeter setting not received, use Joplin Rgnl altimeter setting and increase all DA 112 feet and all MDA 120 feet, increase LPV and LNAV/VNAV all Cats visibility ¼ mile and increase LNAV Cat C visibility ¼ mile. Circling NA to Rwy 13-31.

NA

MISSED APPROACH: Climb to 3000 direct KIFGE and hold.

AWOS-3	KANSAS CITY CENTER	UNICOM
119.175	125.55 327.0	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1139-1 255 (300-1)			NA
LNAV/VNAV DA	1216-1¼ 332 (400-1¼)			NA
LNAV MDA	1200-1 316 (400-1)		1200-1½ 316 (400-1½)	NA
CIRCLING	1260-1 368 (400-1)	1440-1 548 (600-1)	1440-1½ 548 (600-1½)	NA

MIRL Rwy 2-20 L
REIL Rwys 2 and 20 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

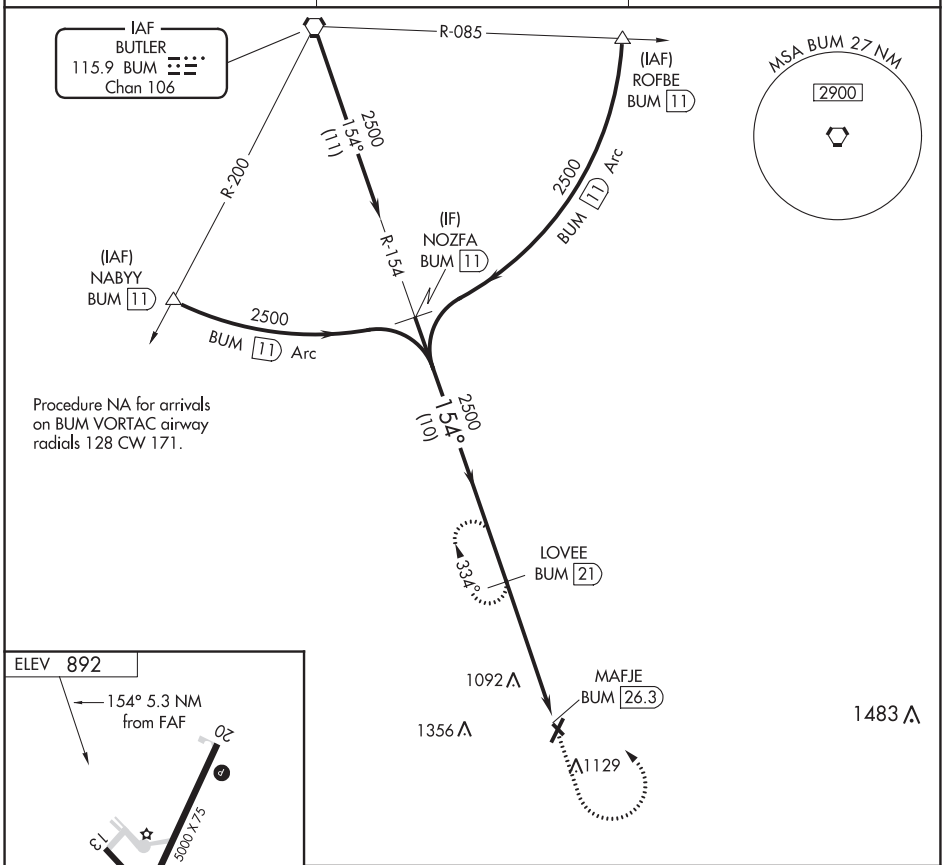
VOR-A
NEVADA MUNI (NVD)

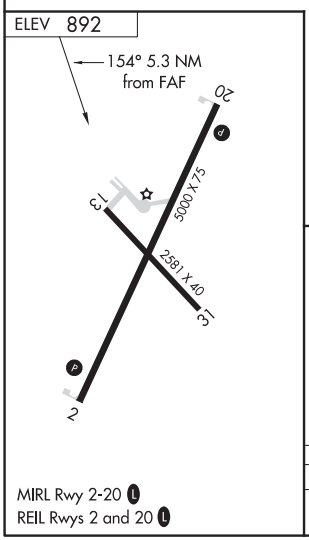
VORTAC BUM	APP CRS	Rwy Idg	N/A
115.9	154°	TDZE	N/A
Chan 106		Apt Elev	892

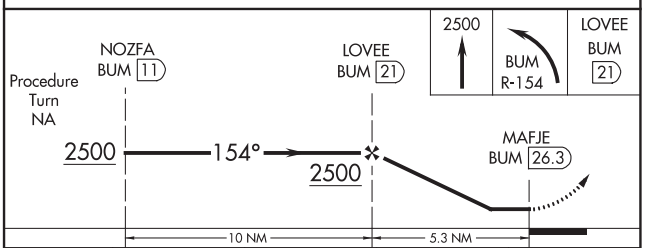
When local altimeter setting not received, use Joplin Rgnl altimeter setting and increase all MDA 120 feet.
Circling NA to Rwy 13-31. DME required.

MISSED APPROACH: Climb to 2500 then left turn on BUM VORTAC R-154 to LOVEE/21 DME and hold.

AWOS-3	KANSAS CITY CENTER	UNICOM
119.175	125.55 327.0	122.8 (CTAF) L







CATEGORY	A	B	C	D
CIRCLING	1360-1 468 (500-1)	1440-1 548 (600-1)	1440-1½ 548 (600-1½)	NA

MIRL Rwy 2-20 L
REIL Rwys 2 and 20 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

NEW MADRID, MISSOURI | AL-5903 (FAA) | 19283

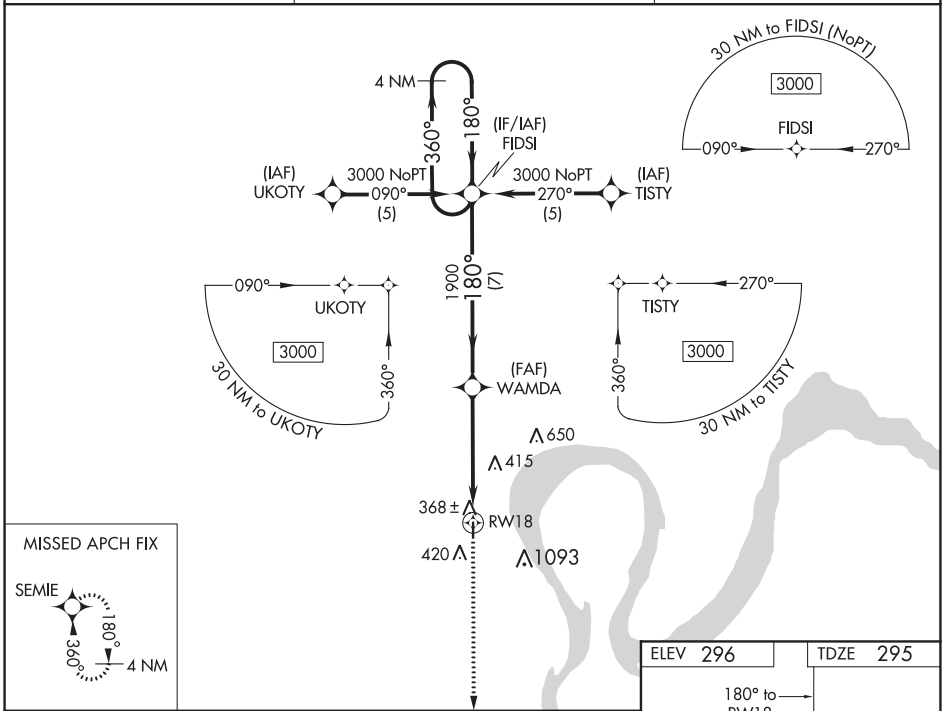
WAAS CH 82114 W18A	APP CRS 180°	Rwy ldg 3200 TDZE 295 Apt Elev 296

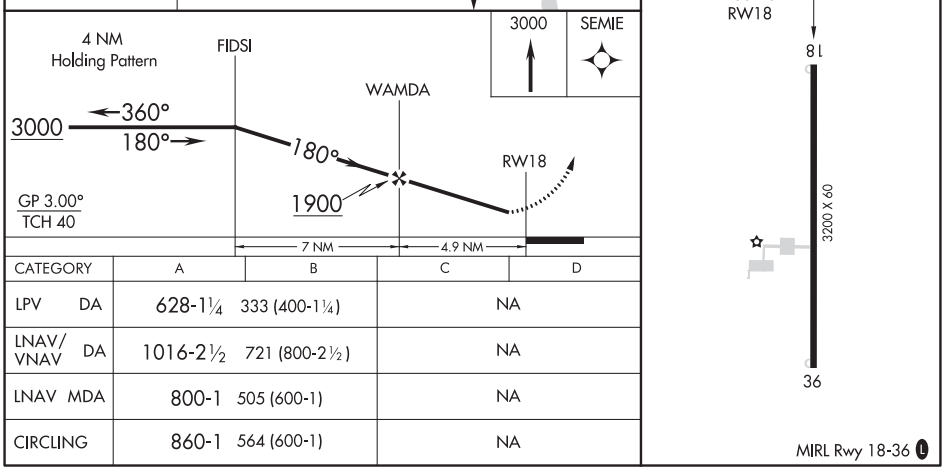
RNAV (GPS) RWY 18
COUNTY MEMORIAL (EIW)

T A NA — Circling to Rwy 36 NA at night. Baro-VNAV NA. DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. Use Dyersburg altimeter setting; when not received, use Cairo altimeter setting and increase all DA 5 feet and all MDA 20 feet.

MISSED APPROACH: Climb to 3000 direct SEMIE and hold.

DYR AWOS-3PT	MEMPHIS CENTER	UNICOM
135.625	133.65 292.15	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	628-1¼ 333 (400-1¼)		NA	
LNAV/VNAV DA	1016-2½ 721 (800-2½)		NA	
LNAV MDA	800-1 505 (600-1)		NA	
CIRCLING	860-1 564 (600-1)		NA	

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 56414 W36A	APP CRS 360°	Rwy ldg 3200 TDZE 296 Apt Elev 296

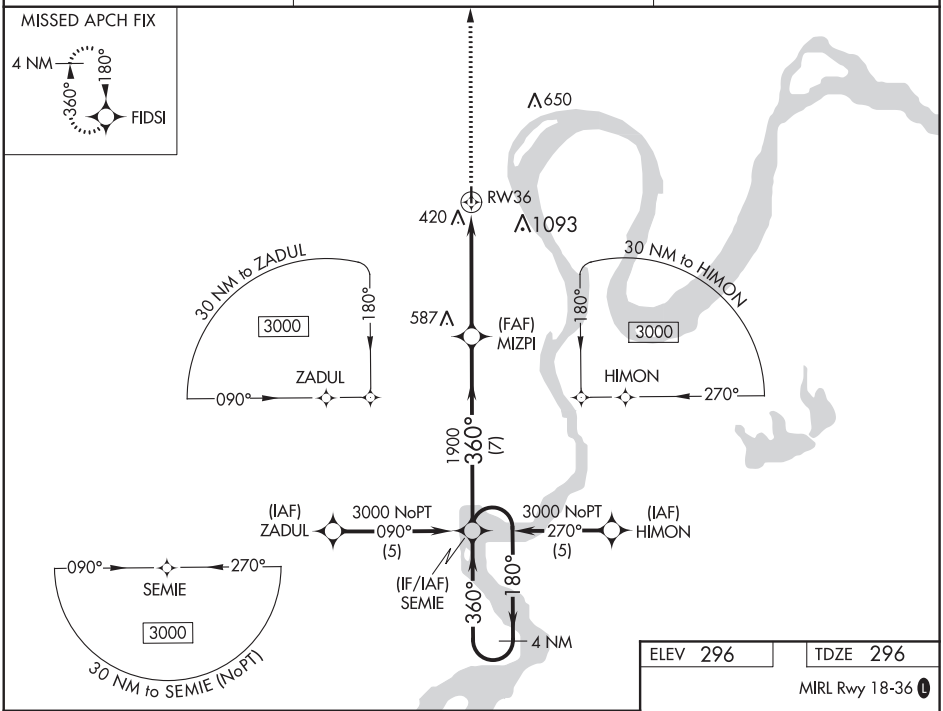
RNAV (GPS) RWY 36
COUNTY MEMORIAL (EIW)

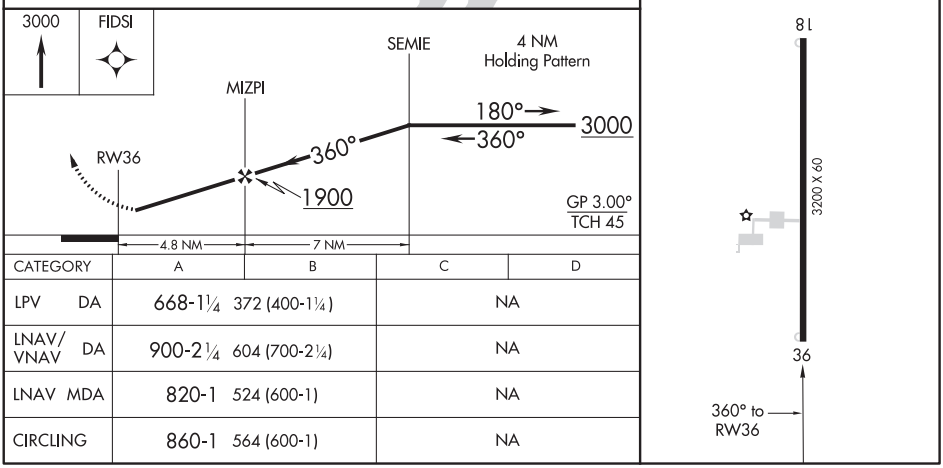
NA

Baro-VNAV NA. DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. Use Dyersburg altimeter setting; when not received, use Cairo altimeter setting and increase all DA 5 feet and all MDA 20 feet. Straight-in/Circling to Rwy 36 NA at night.

MISSED APPROACH: Climb to 3000 direct FIDSI and hold.

DYR AWOS-3PT	MEMPHIS CENTER	UNICOM
135.625	133.65 292.15	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	668-1¼ 372 (400-1¼)		NA	
LNAV/VNAV DA	900-2¼ 604 (700-2¼)		NA	
LNAV MDA	820-1 524 (600-1)		NA	
CIRCLING	860-1 564 (600-1)		NA	

NEW MADRID, MISSOURI | AL-5903 (FAA) | 20282

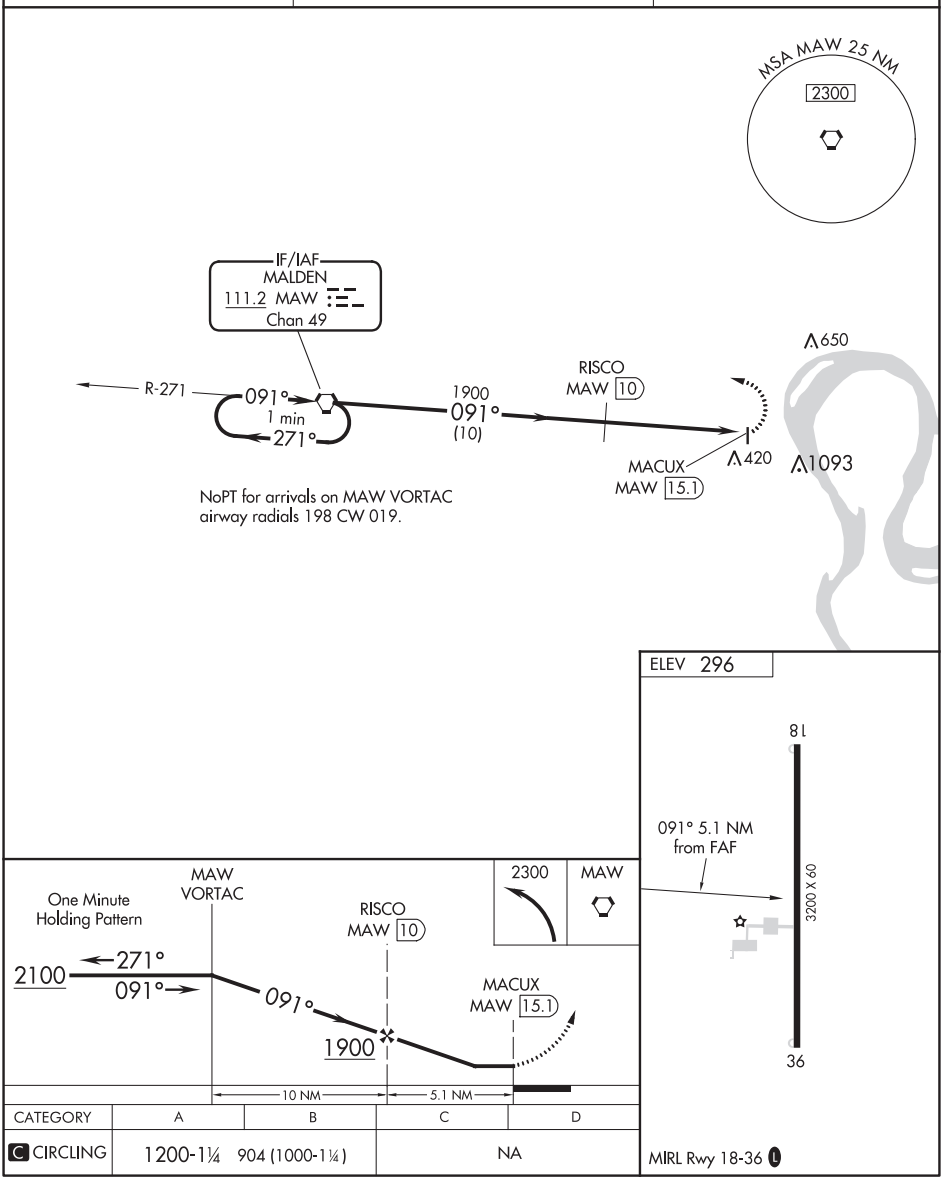
VOR/DME-A
COUNTY MEMORIAL (EIW)

VORTAC MAW	APP CRS	Rwy ldg	N/A
111.2	091°	TDZE	N/A
Chan 49		Apt Elev	296

T A NA — Circling to Rwy 36 NA at night. Use Dyersburg altimeter setting; when not received use Cairo altimeter setting and increase all MDA 20 feet.

MISSED APPROACH: Climbing left turn to 2300 direct MAW VORTAC and hold.

DYR AWOS-3PT	MEMPHIS CENTER	UNICOM
135.625	133.65 292.15	122.8 (CTAF) L



CATEGORY	A	B	C	D
C CIRCLING	1200-1¼ 904 (1000-1¼)		NA	

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

LOC I-MGX	APP CRS	Rwy ldg	5600
109.7	321°	TDZE	950
		Apt Elev	953

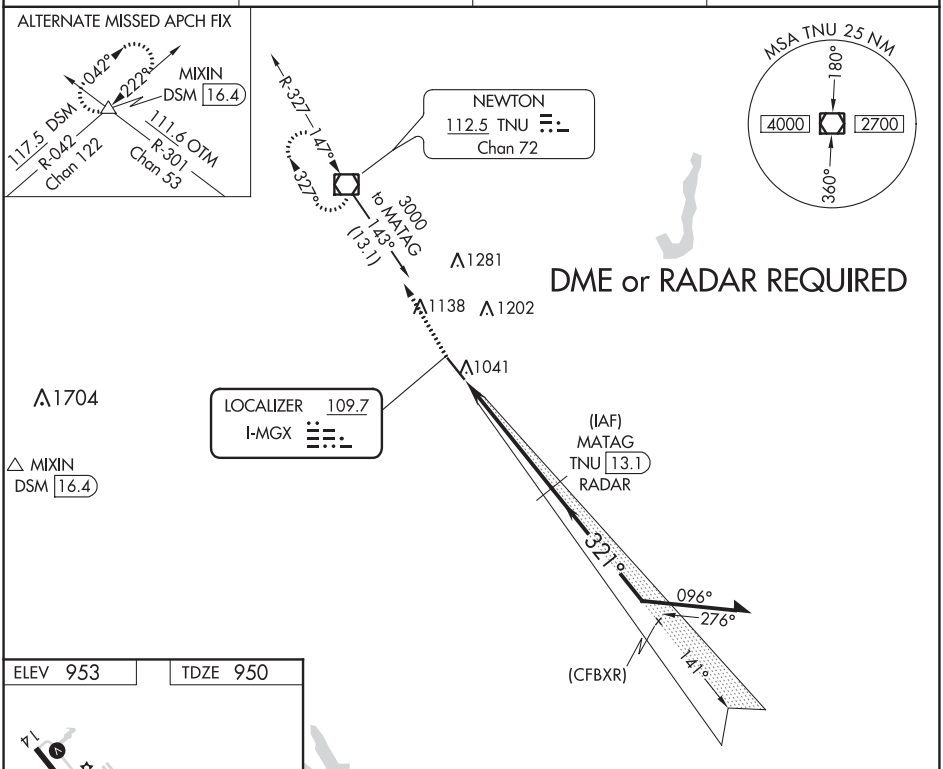
ILS or LOC RWY 32
NEWTON MUNI-EARL JOHNSON FIELD (TNU)

T A NA — For inop MALSR, increase ILS all Cats visibility to ⅞ SM.

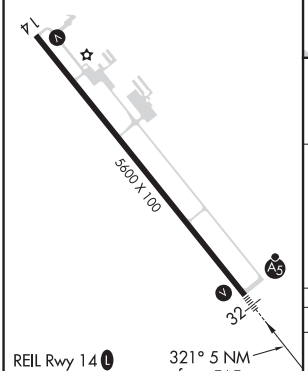
MALSR A5

MISSED APPROACH: Climb to 3000 direct TNU VOR/DME and hold.

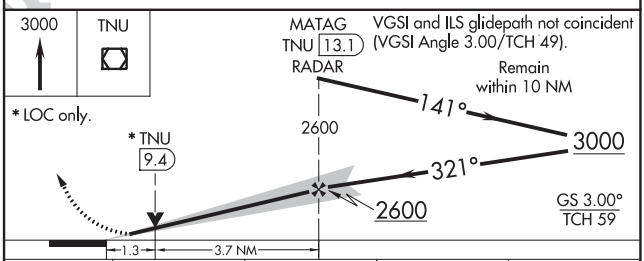
AWOS-3	DES MOINES APP CON	CLNC DEL	UNICOM
132.275	123.9 307.15	126.3	122.8 (CTAF) L



ELEV 953	TDZE 950



FAF to MAP 5 NM					
Knots	60	90	120	150	180
Min:Sec	5:00	3:20	2:30	2:00	1:40



CATEGORY	A	B	C	D
S-ILS 32	1150-½ 200 (200-½)			
S-LOC 32	1400-½ 450 (500-½)		1400-⅞ 450 (500-⅞)	
C CIRCLING	1420-1 467 (500-1)	1440-1 487 (500-1)	1520-1½ 567 (600-1½)	1600-2 647 (700-2)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

NEWTON, IOWA | AL-5233 (FAA) | 19115

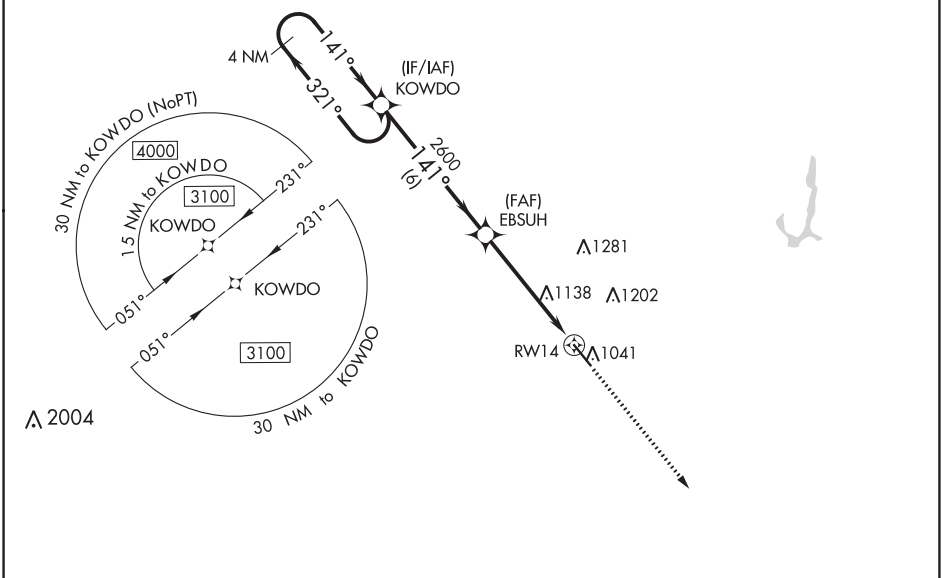
WAAS CH 86936 W14A	APP CRS 141°	Rwy ldg 5600 TDZE 953 Apt Elev 953

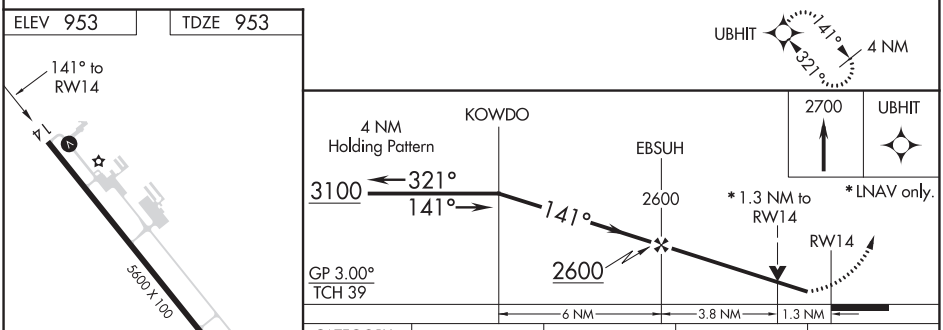
RNAV (GPS) RWY 14
NEWTON MUNI-EARL JOHNSON FIELD (TNU)

T A DME/DME RNP-0.3 NA. When local altimeter setting not received use Des Moines altimeter setting and increase all DA/MDA 80 feet; increase LPV and LNAV/VNAV all Cats and LNAV Cats C/D and Circling Cat C/D visibility ¼ mile. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -13°C (9°F) or above 54°C (130°F). Rwy 14 helicopter visibility reduction below ¾ SM NA. Baro-VNAV and VDP NA when using Des Moines altimeter setting.

MISSED APPROACH: Climb to 2700 direct UBHIT and hold.

AWOS-3	DES MOINES APP CON	CLNC DEL	UNICOM
132.275	123.9 307.15	126.3	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1203-⅞ 250 (300-⅞)			
LNAV/VNAV DA	1203-⅞ 250 (300-⅞)			
LNAV MDA	1420-1 467 (500-1)		1420-1⅜ 467 (500-1⅜)	
C CIRCLING	1420-1 467 (500-1)	1440-1½ 487 (500-1½)	1520-1½ 567 (600-1½)	1600-2 647 (700-2)

REIL Rwy 14 L
MIRL Rwy 14-32 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 99702 W32A	APP CRS 321°	Rwy ldg 5600 TDZE 950 Apt Elev 953

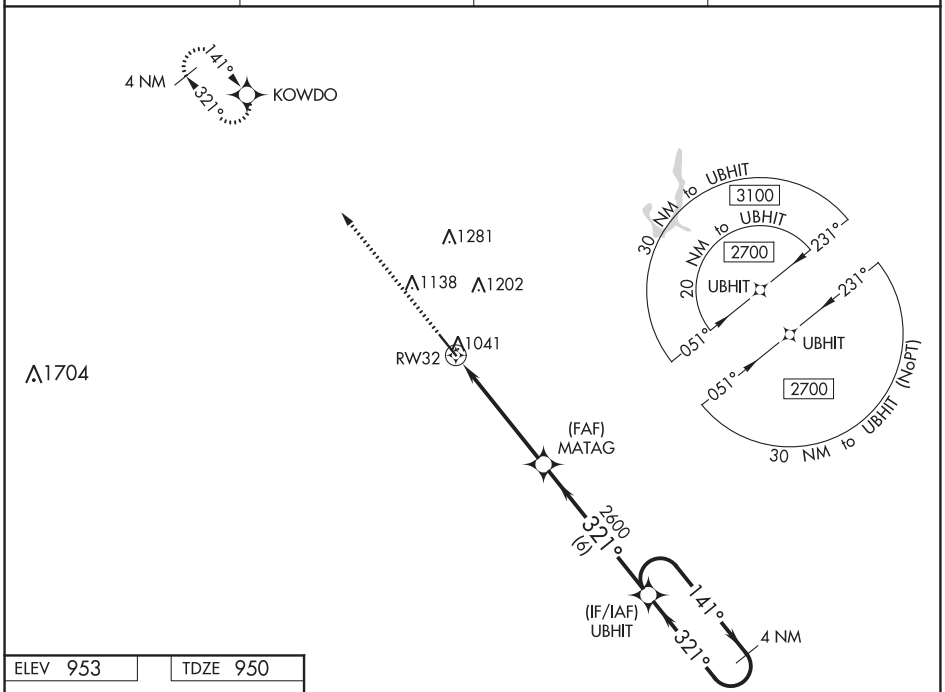
RNAV (GPS) RWY 32
NEWTON MUNI-EARL JOHNSON FIELD (TNU)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -19°C (2°F) or above 54°C (130°F). DME/DME RNP-0.3 NA.
For inop MALSR, increase LNAV/VNAV all Cats visibility to ¾ SM.

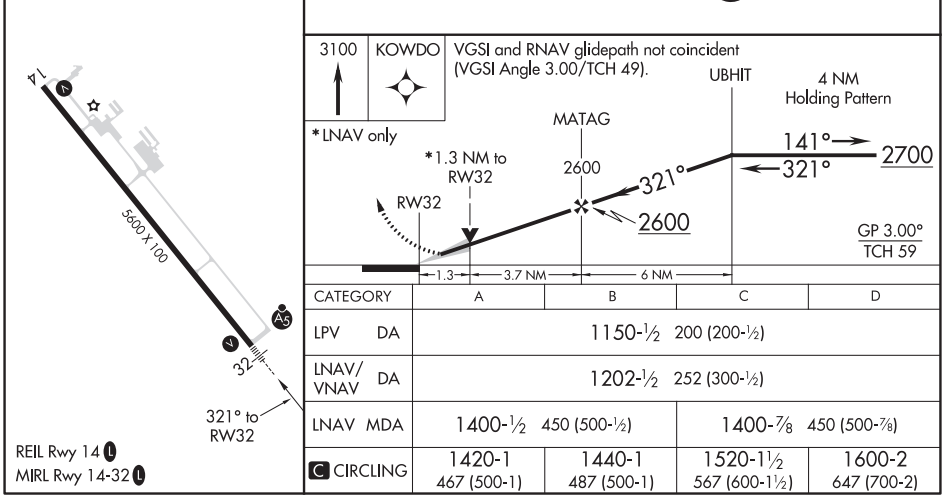
MALSR A5

MISSED APPROACH: Climb to 3100 direct KOWDO and hold.

AWOS-3	DES MOINES APP CON	CLNC DEL	UNICOM
132.275	123.9 307.15	126.3	122.8 (CTAF) L



ELEV 953 TDZE 950



REIL Rwy 14 L
MIRL Rwy 14-32 L

CATEGORY	A	B	C	D
LPV DA	1150-½ 200 (200-½)			
LNAV/VNAV DA	1202-½ 252 (300-½)			
LNAV MDA	1400-½ 450 (500-½)		1400-⅞ 450 (500-⅞)	
C CIRCLING	1420-1 467 (500-1)	1440-1 487 (500-1)	1520-1½ 567 (600-1½)	1600-2 647 (700-2)

NC-3, 25 FEB 2021 to 22 APR 2021

NEWTON, IOWA | AL-5233 (FAA) | 20086

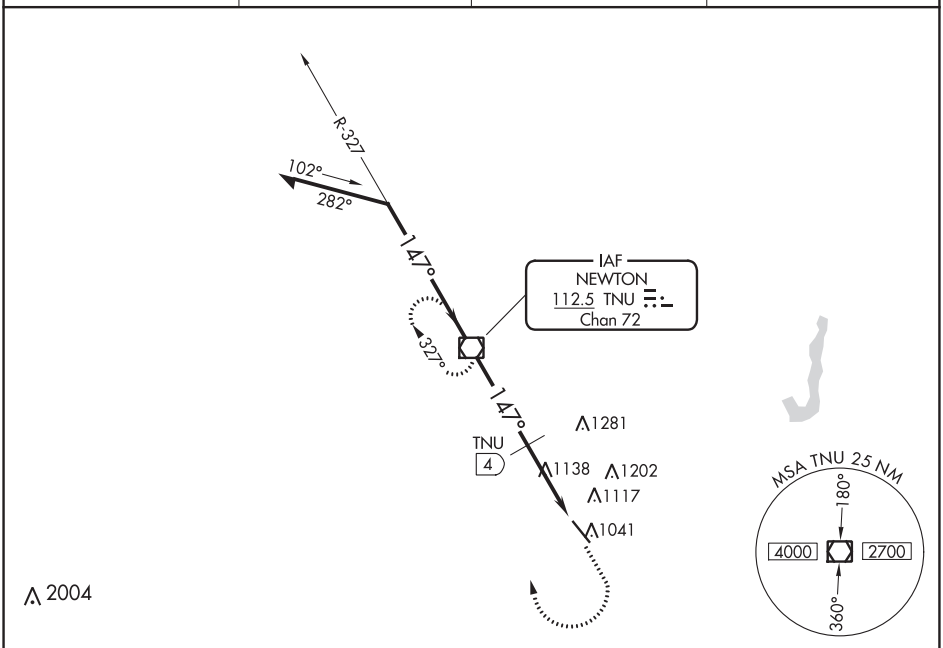
VOR/DME TNU 112.5 Chan 72	APP CRS 147°	Rwy ldg 5600 TDZE 952 Apt Elev 953

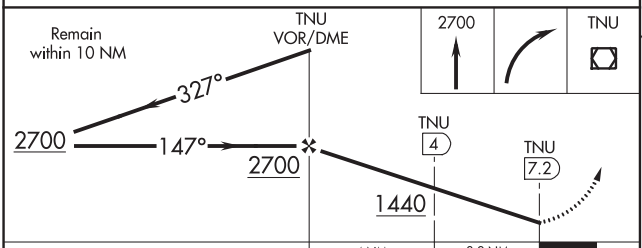
VOR RWY 14
NEWTON MUNI-EARL JOHNSON FIELD (TNU)

T Rwy 14 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 2700, then right turn direct TNU VOR/DME and hold.

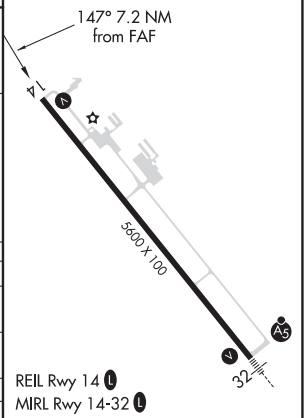
AWOS-3	DES MOINES APP CON	CLNC DEL	UNICOM
132.275	123.9 307.15	126.3	122.8 (CTAF) L





CATEGORY	A	B	C	D
S-14	1440-1 488 (500-1)		1440-1⅜ 488 (500-1⅜)	1440-1½ 488 (500-1½)
CIRCLING	1440-1 487 (500-1)		1520-1½ 567 (600-1½)	1600-2 647 (700-2)
DME MINIMUMS				
S-14	1400-1 448 (500-1)		1400-1⅜ 448 (500-1⅜)	1400-1½ 448 (500-1½)
C CIRCLING	1420-1 467 (500-1)	1440-1 487 (500-1)	1520-1½ 567 (600-1½)	1600-2 647 (700-2)

ELEV 953 | TDZE 952



REIL Rwy 14 L
MIRL Rwy 14-32 L

FAF to MAP 7.2 NM					
Knots	60	90	120	150	180
Min:Sec	7:12	4:48	3:36	2:53	2:24

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

APP CRS	Rwy ldg	4000
132°	TDZE	1076
	Apt Elev	1076

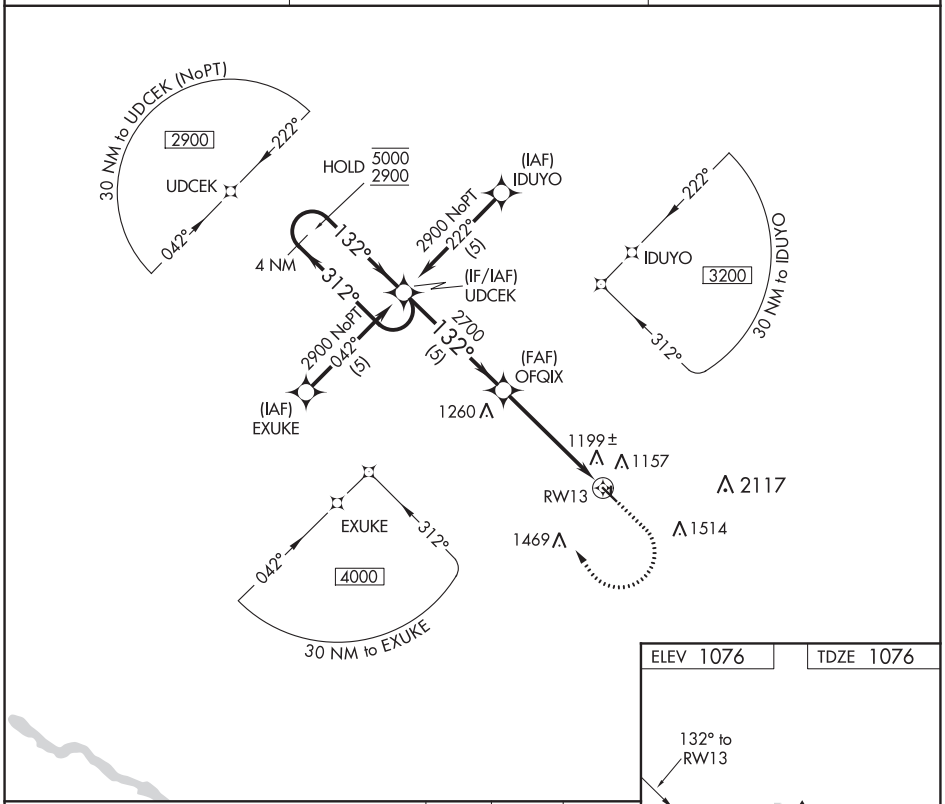
RNAV (GPS) RWY 13
OELWEIN MUNI (OLZ)

RNP APCH.

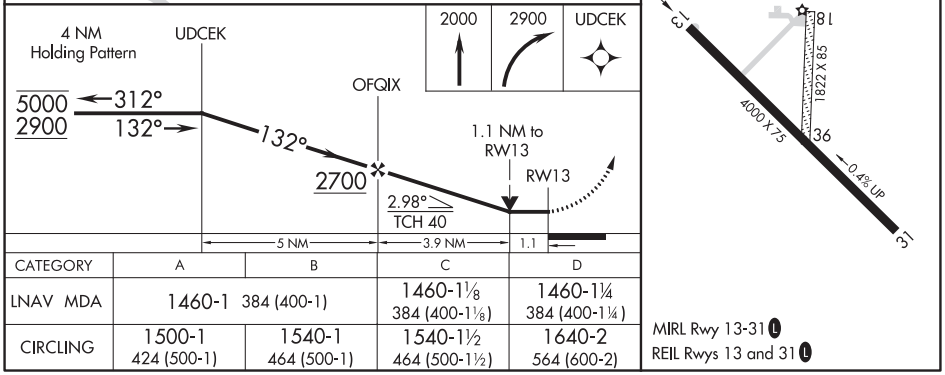
Circling NA to Rwys 18 and 36.
Rwy 13 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 2000 then climbing right turn to 2900 direct UDCEK and hold.

AWOS-3	WATERLOO APP CON ★	UNICOM
119.675	118.9 251.15	122.8 (CTAF) L



ELEV 1076	TDZE 1076



CATEGORY	A	B	C	D
LNAV MDA	1460-1 384 (400-1)		1460-1⅛ 384 (400-1⅛)	1460-1¼ 384 (400-1¼)
CIRCLING	1500-1 424 (500-1)	1540-1 464 (500-1)	1540-1½ 464 (500-1½)	1640-2 564 (600-2)

MIRL Rwy 13-31 L
REIL Rwys 13 and 31 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

OSAGE BEACH, MISSOURI | AL-6480 (FAA) | 20198

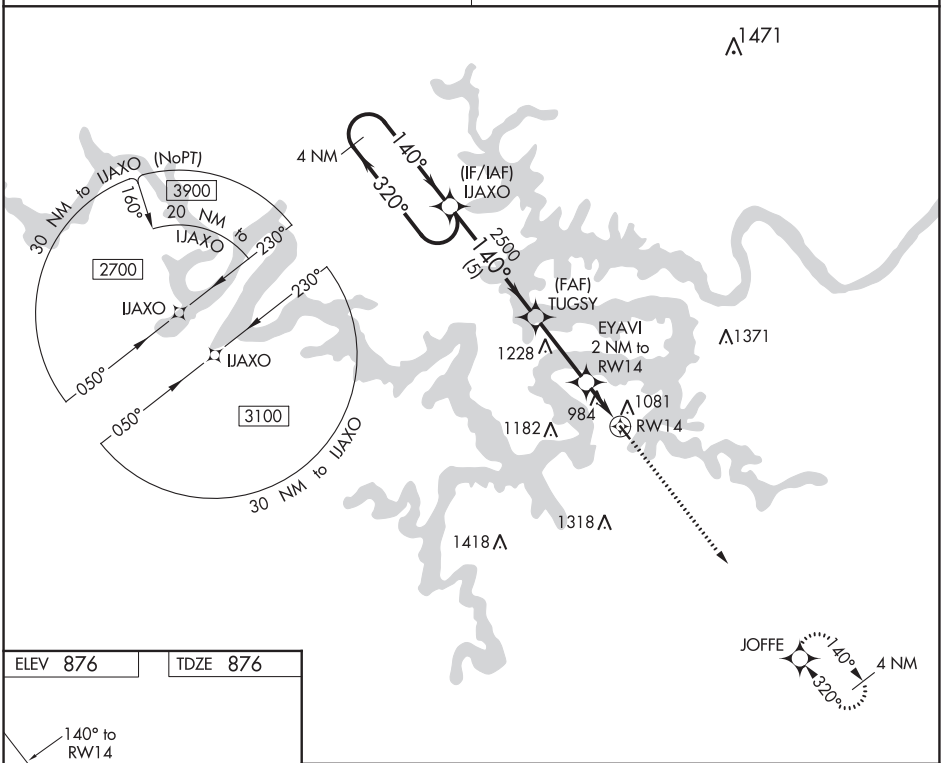
WAAS CH 48932 W14A	APP CRS 140°	Rwy ldg 3205 TDZE 876 Apt Elev 876

RNAV (GPS) RWY 14
GRAND GLAIZE-OSAGE BEACH (K15)

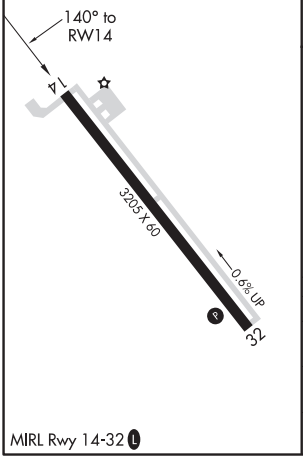
T A NA — Use Kaiser Lake Ozark altimeter setting; when not received, use Camdenton altimeter setting and increase all MDA 40 feet. DME/DME RNP- 0.3 NA. Procedure NA at night. Helicopter visibility reduction below 1 SM NA.

MISSED APPROACH: Climb to 2700 direct JOFFE and hold.

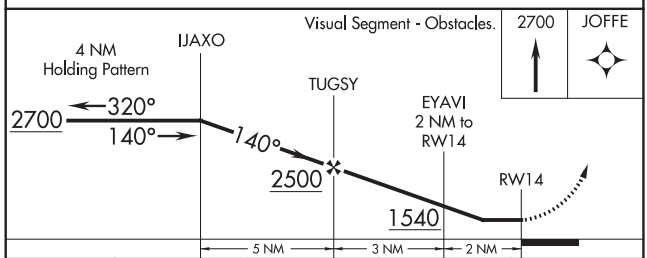
MIZZU APP CON	UNICOM
124.1 353.7	122.8 (CTAF) L



ELEV 876 | TDZE 876



MIRL Rwy 14-32 L



CATEGORY	A	B	C	D
LP MDA	1300-1 424 (500-1)			NA
LNAV MDA	1360-1 484 (500-1)			NA
CIRCLING	1400-1 524 (600-1)			NA

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 86832 W32A	APP CRS 320°	Rwy ldg 3205 TDZE 875 Apt Elev 876

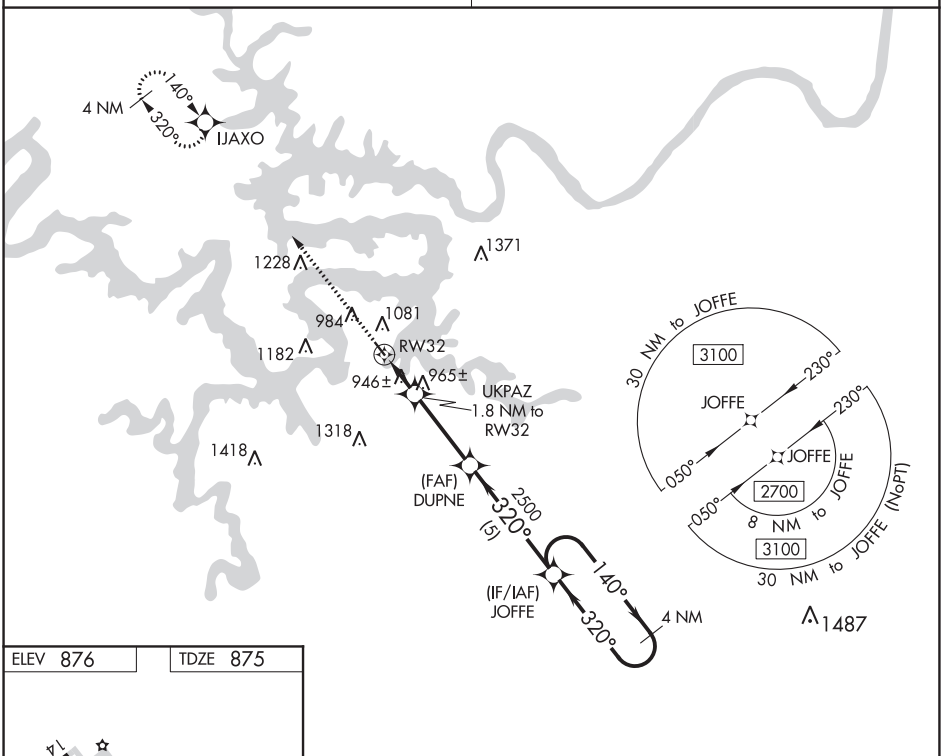
RNAV (GPS) RWY 32
GRAND GLAIZE-OSAGE BEACH (K15)

T NA

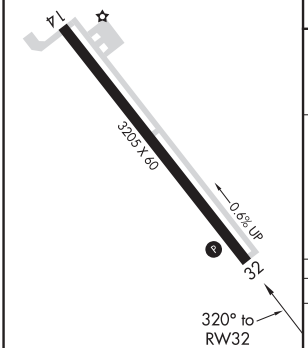
DME/DME RNP-0.3 NA. Use Kaiser Lake Ozark altimeter setting; when not received, use Camdenton altimeter setting and increase all MDA 40 feet. Procedure NA at night. Helicopter visibility reduction below 1 SM NA.

MISSED APPROACH: Climb to 2700 direct IJAXO and hold.

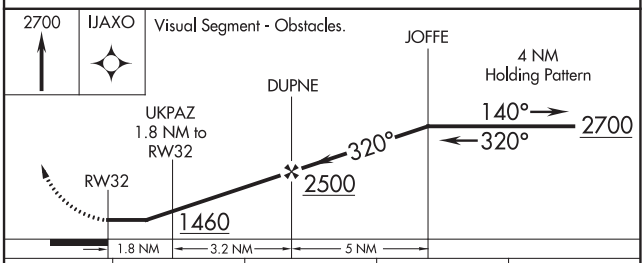
MIZZU APP CON	UNICOM
124.1 353.7	122.8 (CTAF) L



ELEV 876	TDZE 875



MIRL Rwy 14-32 L



CATEGORY	A	B	C	D
LP MDA	1220-1 345 (400-1)		NA	
LNAV MDA	1240-1 365 (400-1)		NA	
CIRCLING	1400-1 524 (600-1)		NA	

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

OSAGE BEACH, MISSOURI | AL-6480 (FAA) | 20086

VOR RWY 32
GRAND GLAIZE-OSAGE BEACH (K15)

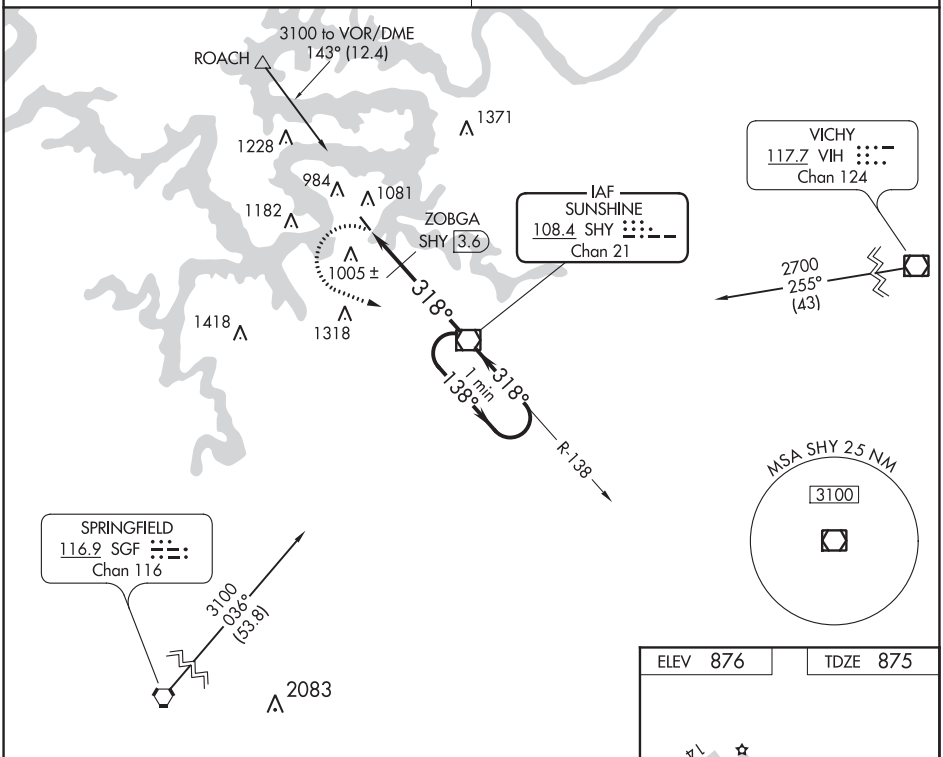
VOR/DME SHY	APP CRS	Rwy ldg	3205
108.4	318°	TDZE	875
Chan 21		Apt Elev	876

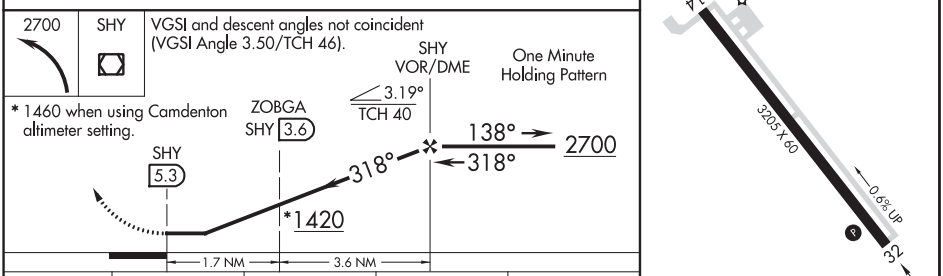
Helicopter visibility reduction below 1 SM NA. Procedure NA at night. Use Kaiser Lake Ozark altimeter setting; when not received, use Camdenton altimeter setting and increase all MDA 40 feet.

NA

MISSED APPROACH: Climbing left turn to 2700 direct SHY VOR/DME and hold.

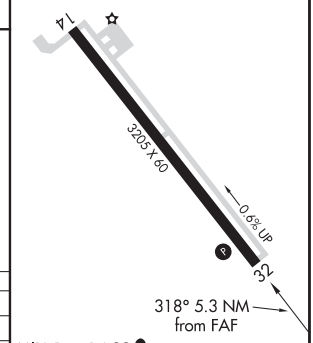
MIZZU APP CON	UNICOM
124.1 353.7	122.8 (CTAF) L





CATEGORY	A	B	C	D
S-32	1420-1 545 (600-1)		NA	
CIRCLING	1420-1 544 (600-1)		NA	
ZOBGA FIX MINIMUMS (DME REQUIRED)				
S-32	1280-1 405 (500-1)		NA	
CIRCLING	1400-1 524 (600-1)		NA	

ELEV 876 | TDZE 875



MIRL Rwy 14-32 L

FAF to MAP 5.3 NM					
Knots	60	90	120	150	180
Min:Sec	5:18	3:32	2:39	2:07	1:46

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 53623 W18A	APP CRS 179°	Rwy ldg 4001 TDZE 1115 Apt Elev 1115

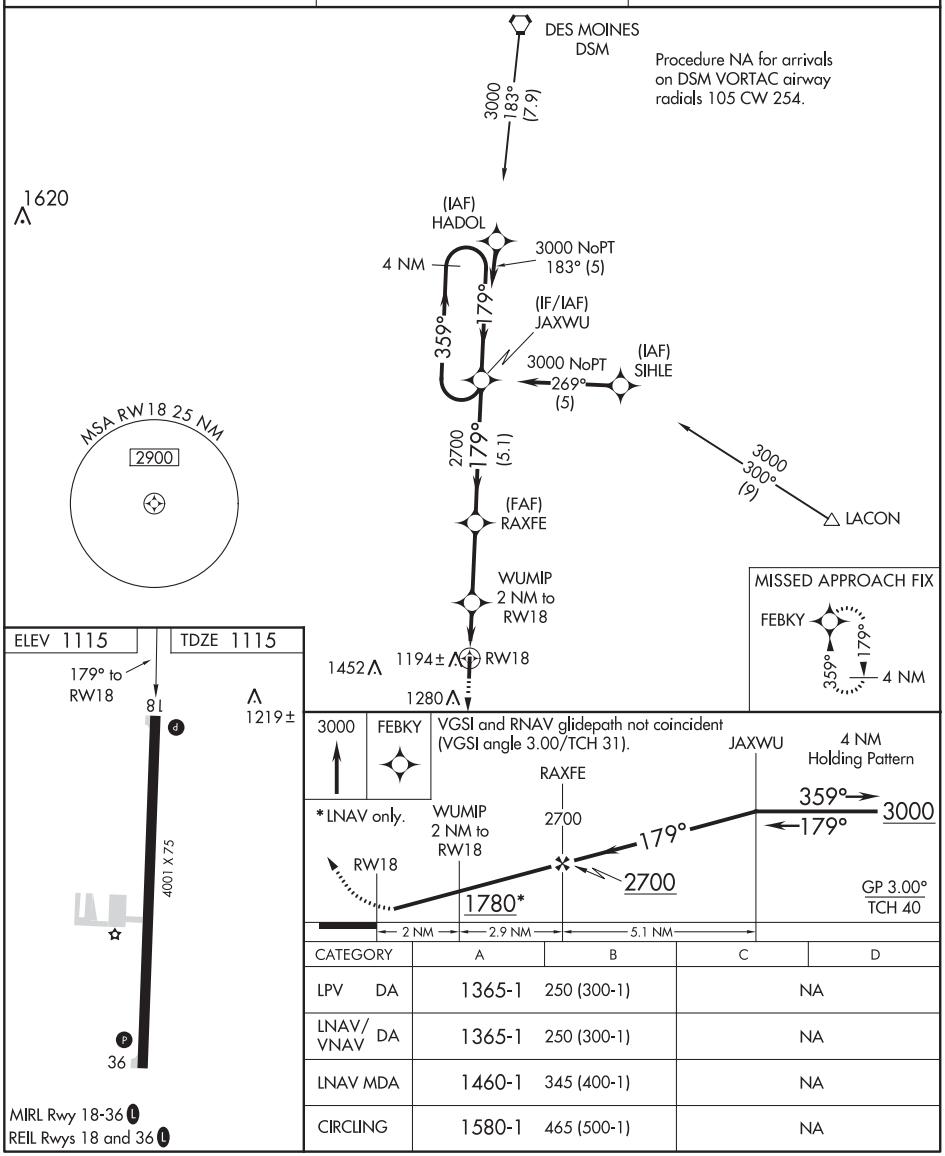
RNAV (GPS) RWY 18

OSCEOLA MUNI (I75)

T A Baro-VNAV NA when using Chariton altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). When VGSI inop, Straight-In/Circling Rwy 18 procedure NA at night. DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Chariton altimeter setting and increase all DA 44 feet and all MDA 60 feet.

MISSED APPROACH: Climb to 3000 direct FEBKY and hold.

AWOS-3	DES MOINES APP CON	UNICOM
120.975	135.2 360.7	122.8 (CTAF) L



CATEGORY	A	B	C	D
LPV DA	1365-1	250 (300-1)	NA	
LNAV/VNAV DA	1365-1	250 (300-1)	NA	
LNAV MDA	1460-1	345 (400-1)	NA	
CIRCLING	1580-1	465 (500-1)	NA	

MIRL Rwy 18-36 L
REIL Rwys 18 and 36 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

OSCEOLA, IOWA | AL-6974 (FAA) | 18144

RNAV (GPS) RWY 36

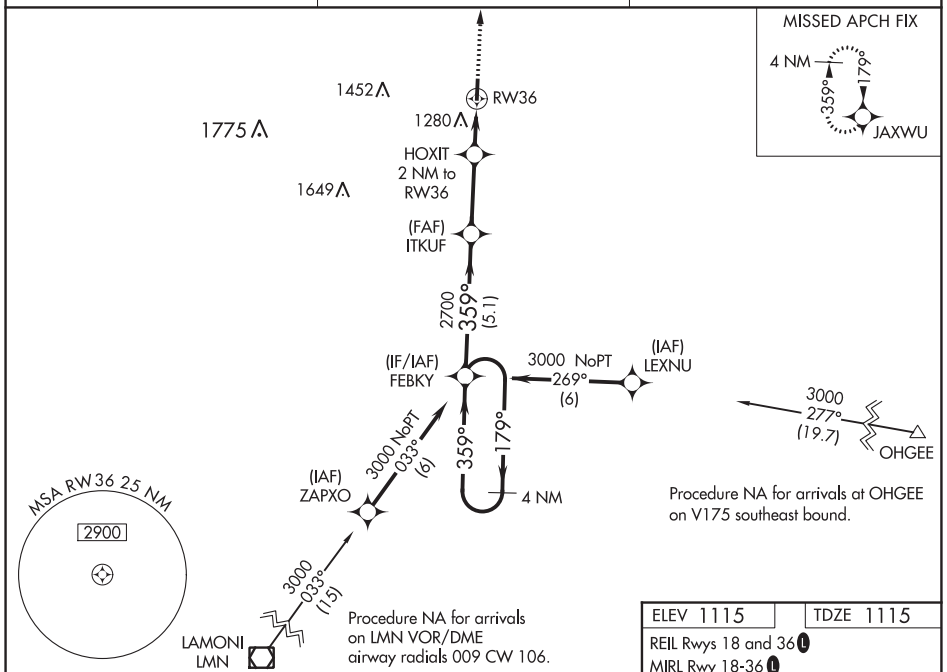
OSCEOLA MUNI (I75)

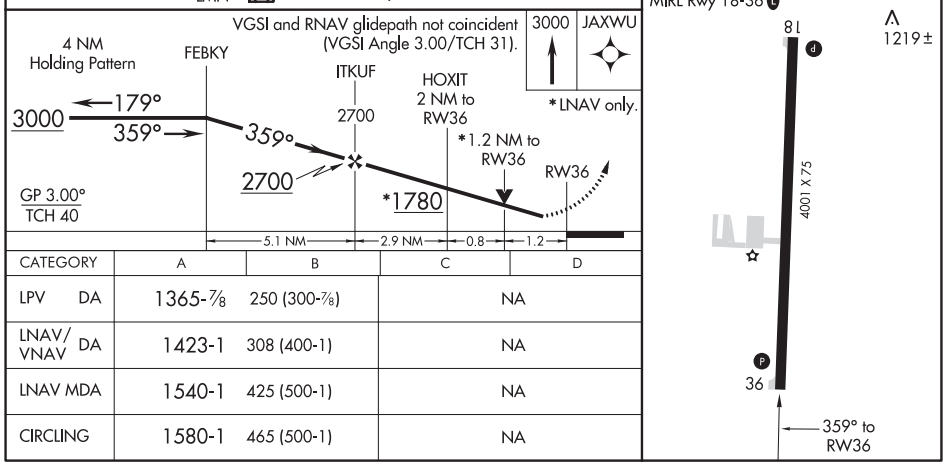
WAAS CH 72823 W36A	APP CRS 359°	Rwy ldg 4001 TDZE 1115 Apt Elev 1115

When VGSI inop, Circling Rwy 18 NA at night. Baro-VNAV NA when using Chariton altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. VDP NA with Chariton altimeter setting. When local altimeter setting not received, use Chariton altimeter setting and increase all DA 44 feet and all MDA 60 feet. Increase LPV all Cats visibility to 1 mile and LNAV/VNAV all Cats visibility to 1¼ mile. Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 3000 direct JAXWU and hold.

AWOS-3	DES MOINES APP CON	UNICOM
120.975	135.2 360.7	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1365-⅞	250 (300-⅞)	NA	
LNAV/VNAV DA	1423-1	308 (400-1)	NA	
LNAV MDA	1540-1	425 (500-1)	NA	
CIRCLING	1580-1	465 (500-1)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 78215 W13A	APP CRS 134°	Rwy ldg 4012 TDZE 837 Apt Elev 841

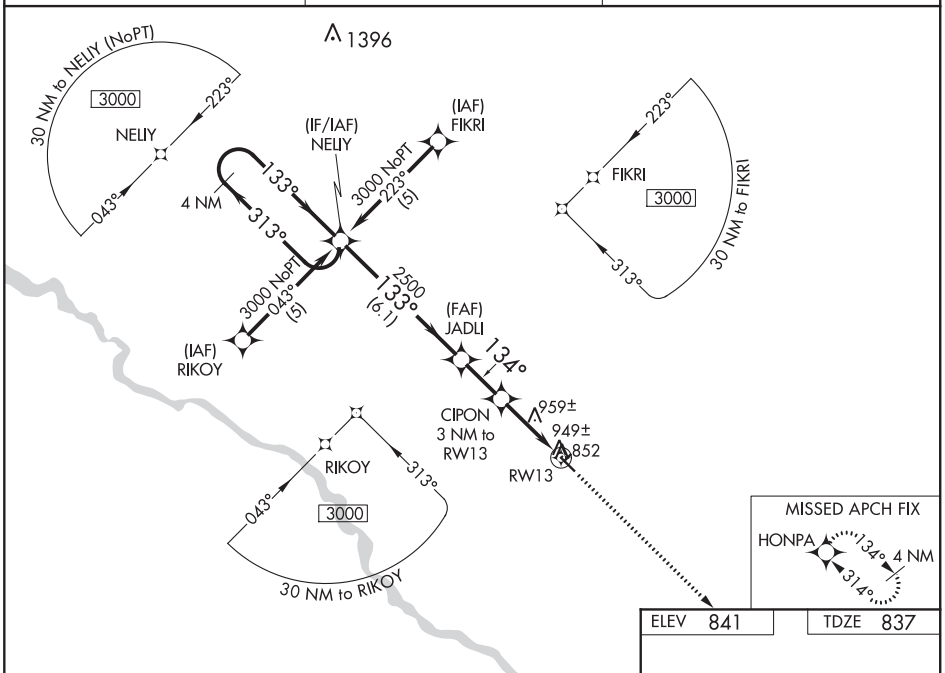
RNAV (GPS) RWY 13
OSKALOOSA MUNI (OOA)

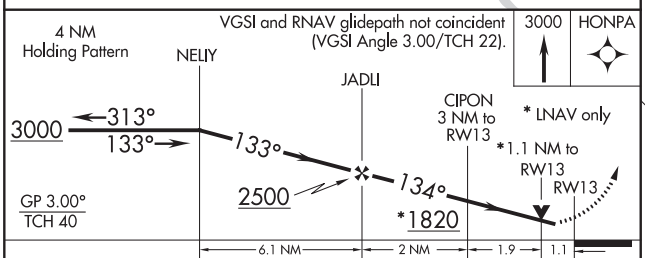
RNP APCH.

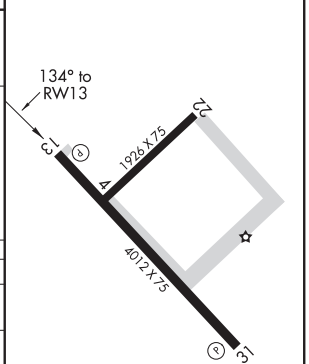
When local altimeter setting not received, use Ottumwa altimeter setting and increase all DA 18 feet and all MDA 20 feet and increase LNAV/VNAV all Cats visibility ¼ mile. Baro-VNAV and VDP NA when using Ottumwa altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F).

MISSED APPROACH: Climb to 3000 direct HONPA and hold.

AWOS-3	CHICAGO CENTER	UNICOM
118.625	118.15 335.575	122.8 (CTAF) L







CATEGORY	A	B	C	D
LPV DA	1193-1¼ 356 (400-1¼)			NA
LNAV/VNAV DA	1219-1¼ 382 (400-1¼)			NA
LNAV MDA	1220-1 383 (400-1)			NA
CIRCLING	1260-1 419 (500-1)	1300-1 459 (500-1)	1300-1½ 459 (500-1½)	NA

REIL Rwys 13 and 31 L
MIRL Rwy 13-31 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

OSKALOOSA, IOWA | AL-6493 (FAA) | 20198

WAAS CH 82515 W31A	APP CRS 314°	Rwy ldg 4012 TDZE 837 Apt Elev 841

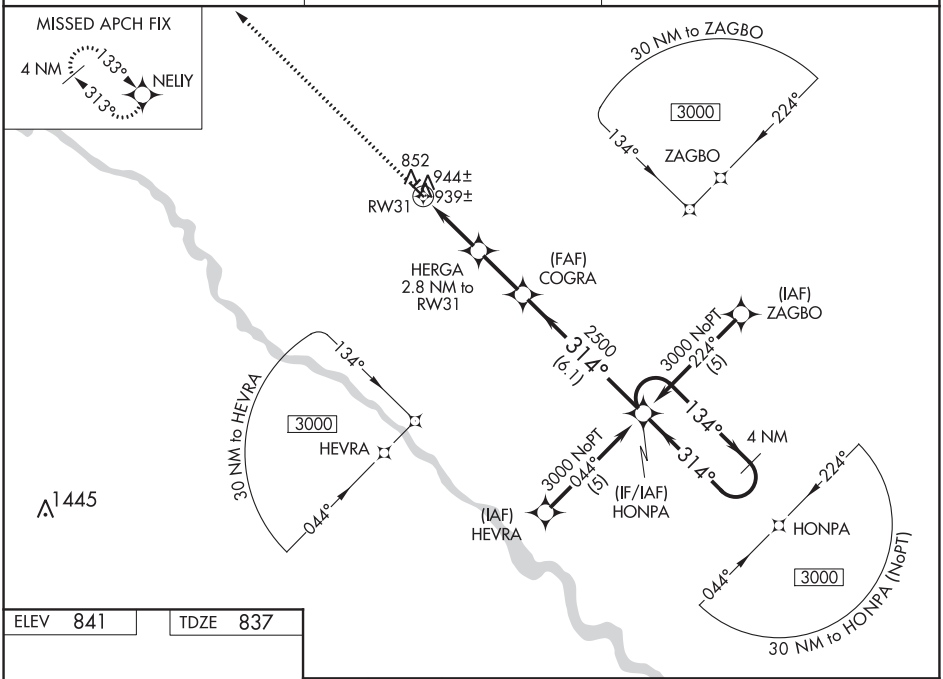
RNAV (GPS) RWY 31
OSKALOOSA MUNI (OOA)

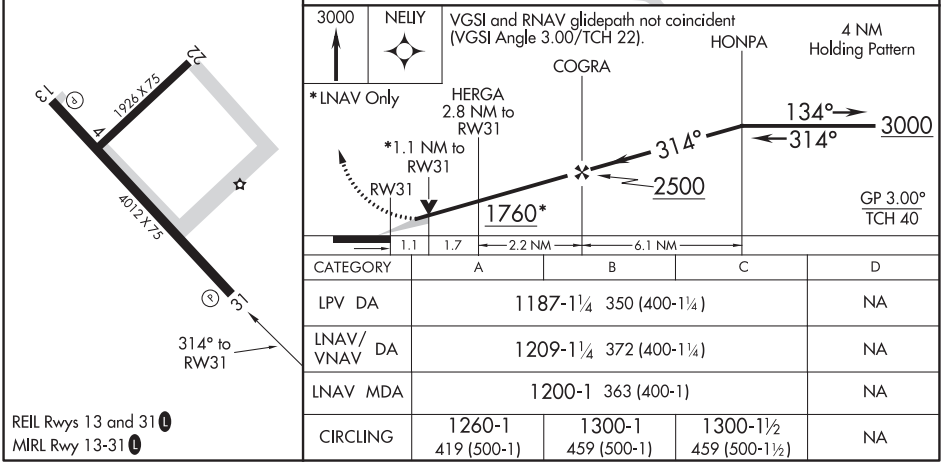
RNP APCH.

When local altimeter setting not received, use Ottumwa altimeter setting and increase all DA 18 feet and all MDA 20 feet and increase LNAV/VNAV all Cats visibility ¼ mile. Baro-VNAV and VDP NA when using Ottumwa altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F).

MISSED APPROACH: Climb to 3000 direct NELIY and hold.

AWOS-3	CHICAGO CENTER	UNICOM
118.625	118.15 335.575	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1187-1¼ 350 (400-1¼)			NA
LNAV/VNAV DA	1209-1¼ 372 (400-1¼)			NA
LNAV MDA	1200-1 363 (400-1)			NA
CIRCLING	1260-1 419 (500-1)	1300-1 459 (500-1)	1300-1½ 459 (500-1½)	NA

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

OSKALOOSA, IOWA | 41°14′N-92°30′W | OSKALOOSA MUNI (OOA)

Amdt 1A 20JUN19

RNAV (GPS) RWY 31

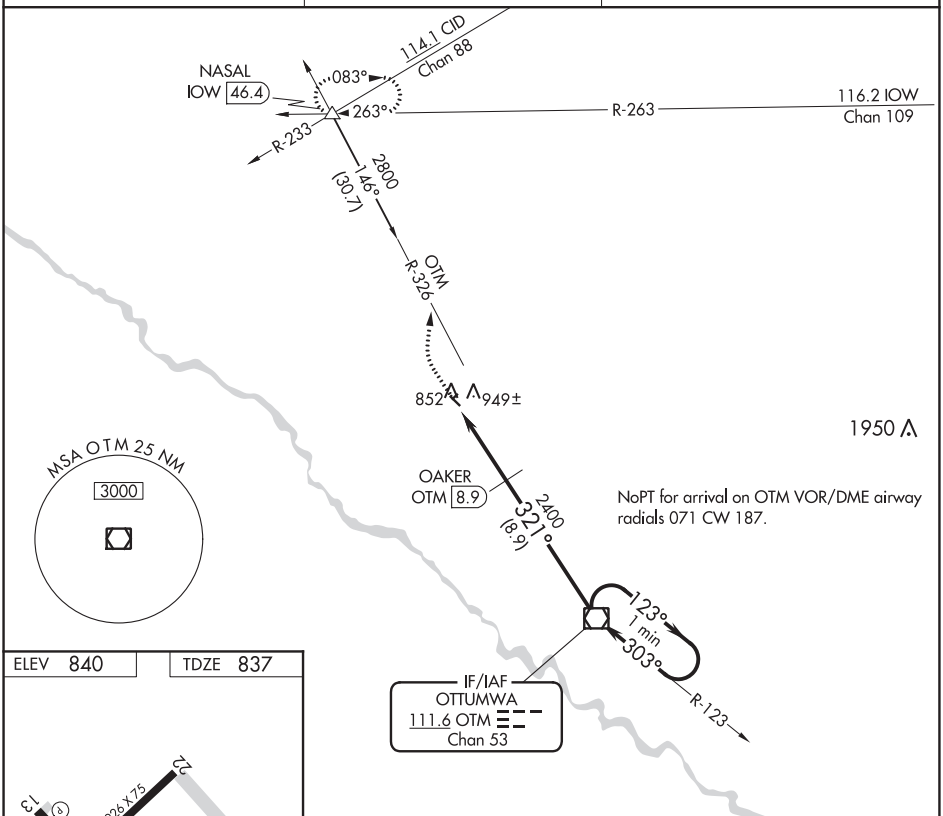
VOR/DME OTM	APP CRS	Rwy ldg	4012
111.6	321°	TDZE	837
Chan 53		Apt Elev	840

VOR/DME RWY 31
OSKALOOSA MUNI (OOA)

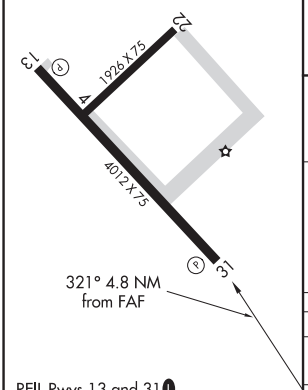
T NA — If local altimeter setting not received, use Ottumwa altimeter setting and increase all MDAs 20 feet. VDP NA with Ottumwa altimeter setting.

MISSED APPROACH: Climb to 1300 then climbing right turn to 2800 via heading 360° and OTM R-326 to NASAL Int/IOW 46.4 DME and hold.

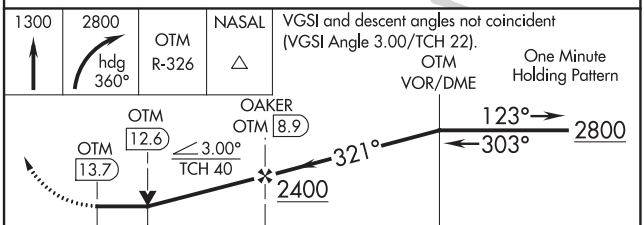
AWOS-3	CHICAGO CENTER	UNICOM
118.625	118.15 335.575	122.8 (CTAF) L



ELEV 840	TDZE 837



REIL Rwys 13 and 31 L
MIRL Rwy 13-31 L



CATEGORY	A	B	C	D
S-31	1220-1 383 (400-1)			NA
CIRCLING	1260-1 420 (500-1)	1300-1 460 (500-1)	1300-1½ 460 (500-1½)	NA

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

OTTUMWA, IOWA | AL-915 (FAA) | 20310

ILS or LOC RWY 31
OTTUMWA RGNL (OTM)

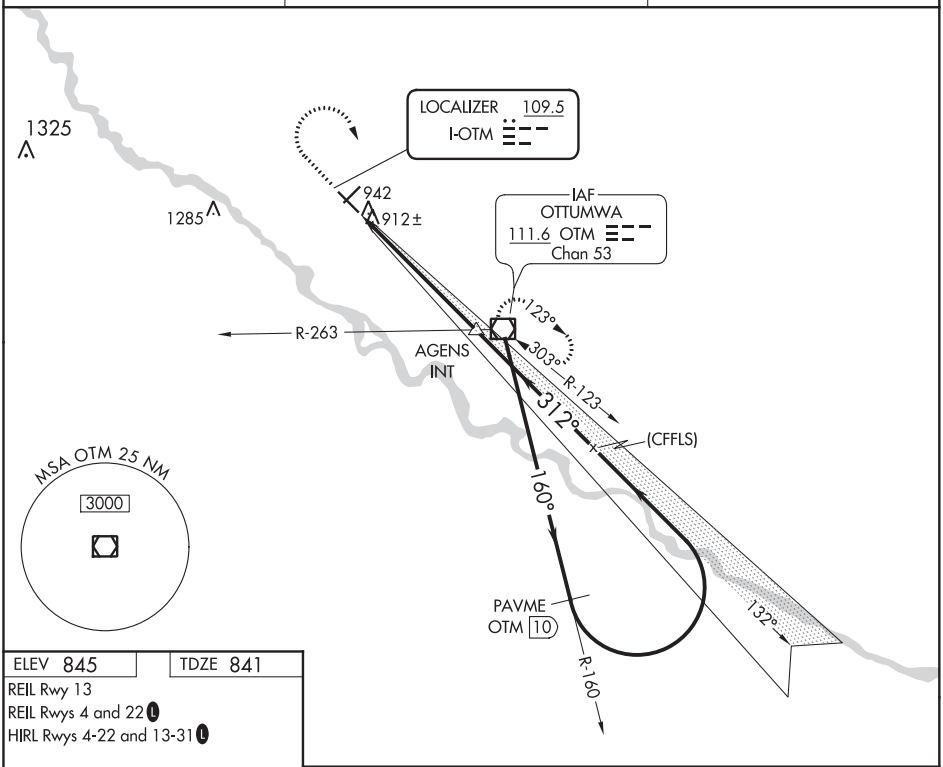
LOC I-OTM	APP CRS	Rwy ldg	5885
109.5	312°	TDZE	841
		Apt Elev	845

DME required.
Autopilot coupled approach NA below 1160.

MALSR

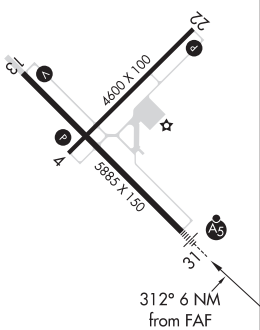
MISSED APPROACH: Climb to 1500 then climbing right turn to 2800 direct OTM VOR/DME and hold.

ASOS	CHICAGO CENTER	UNICOM
124.175	118.15 335.575	123.0 (CTAF)

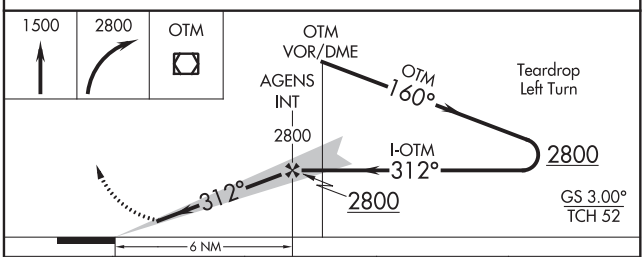


ELEV 845 | TDZE 841

REIL Rwy 13
REIL Rwys 4 and 22
HIRL Rwys 4-22 and 13-31



FAF to MAP 6 NM					
Knots	60	90	120	150	180
Min:Sec	6:00	4:00	3:00	2:24	2:00



CATEGORY	A	B	C	D
S-ILS 31	1044-½ 203 (200-½)			NA
S-LOC 31	1180-½ 339 (400-½)			NA
CIRCLING	1260-1 415 (500-1)	1300-1 455 (500-1)	1300-1½ 455 (500-1½)	NA

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

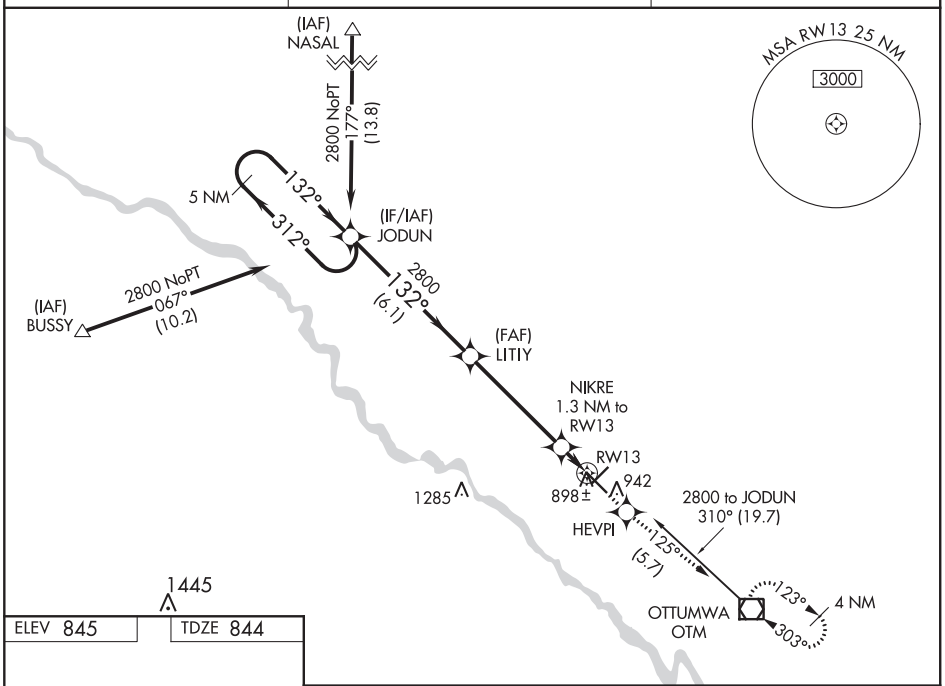
RNAV (GPS) RWY 13
OTTUMWA RGNL (OTM)

WAAS CH 86300 W13A	APP CRS 132°	Rwy ldg 5885 TDZE 844 Apt Elev 845

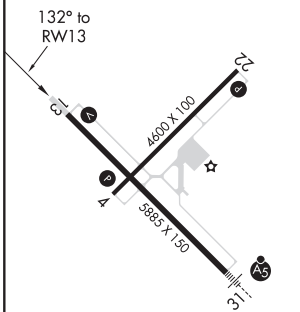
Circling to Rwy 4 NA at night. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (117°F). DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 2800 direct HEVPI and on track 125° to OTM VOR/DME and hold.

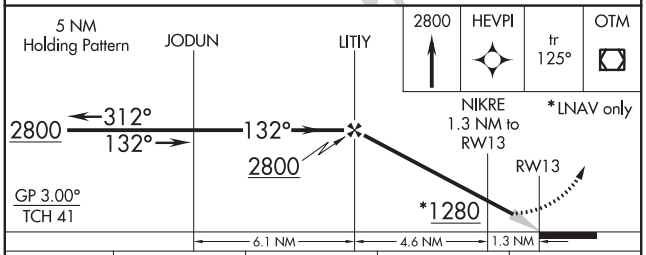
ASOS	CHICAGO CENTER	UNICOM
124.175	118.15 335.575	123.0 (CTAF) L



ELEV 845 | TDZE 844



REIL Rwy 13
REIL Rwys 4 and 22 L
HIRL Rwys 4-22 and 13-31 L



CATEGORY	A	B	C	D
LPV DA	1094-1 250 (300-1)			NA
LNAV/VNAV DA	1135-⅞ 291 (300-⅞)			NA
LNAV MDA	1160-1 316 (400-1)		1160-⅞ 316 (400-⅞)	NA
CIRCLING	1260-1 415 (500-1)	1300-1 455 (500-1)	1300-1½ 455 (500-1½)	NA

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

OTTUMWA, IOWA

AL-915 (FAA)

20198

RNAV (GPS) RWY 31

OTTUMWA RGNL (OTM)

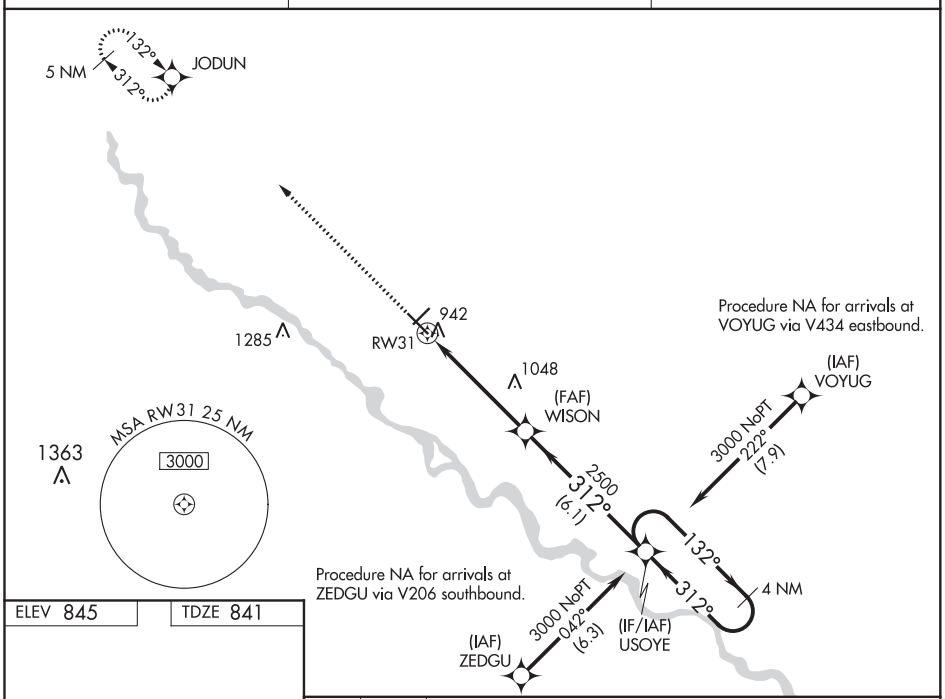
WAAS CH 93611 W31A	APP CRS 312°	Rwy ldg 5885 TDZE 841 Apt Elev 845

For uncompensated Baro-VNAV systems, procedure NA below -16°C (4°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Baro-VNAV and VDP NA when using Fairfield altimeter setting. When local altimeter setting not received, use Fairfield altimeter setting and increase all DA 56 feet and all MDA 60 feet. Increase LNAV/VNAV all Cats and LNAV Cat C ¼ mile. For inoperative MALSR when using Fairfield altimeter setting, increase LPV all Cats visibility to 1 mile.

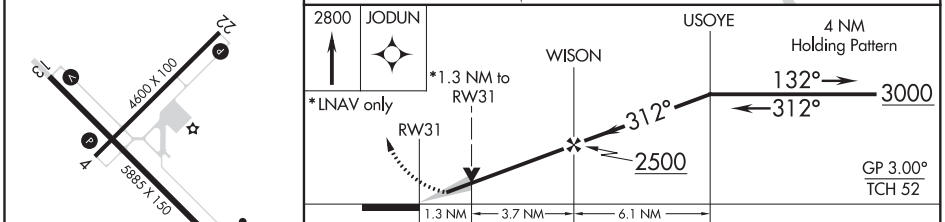
MALSR

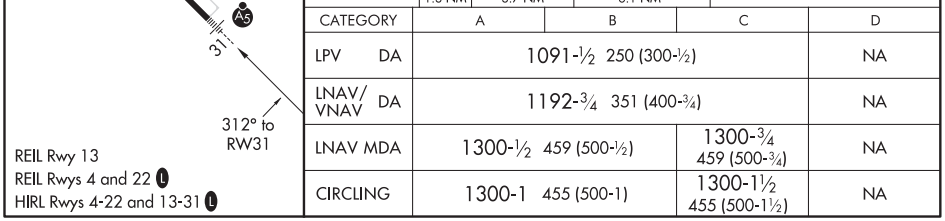
MISSED APPROACH: Climb to 2800 direct JODUN and hold.

ASOS	CHICAGO CENTER	UNICOM
124.175	118.15 335.575	123.0 (CTAF) L



ELEV 845 | TDZE 841





CATEGORY	A	B	C	D
LPV DA	1091-½ 250 (300-½)			NA
LNAV/VNAV DA	1192-¾ 351 (400-¾)			NA
LNAV MDA	1300-½ 459 (500-½)		1300-¾ 459 (500-¾)	NA
CIRCLING	1300-1 455 (500-1)		1300-1½ 455 (500-1½)	NA

REIL Rwy 13
REIL Rwys 4 and 22 L
HIRL Rwys 4-22 and 13-31 L

OTTUMWA, IOWA
Orig 12MAR09

41°06′N-92°27′W

OTTUMWA RGNL (OTM)

RNAV (GPS) RWY 31

NC-3, 25 FEB 2021 to 22 APR 2021

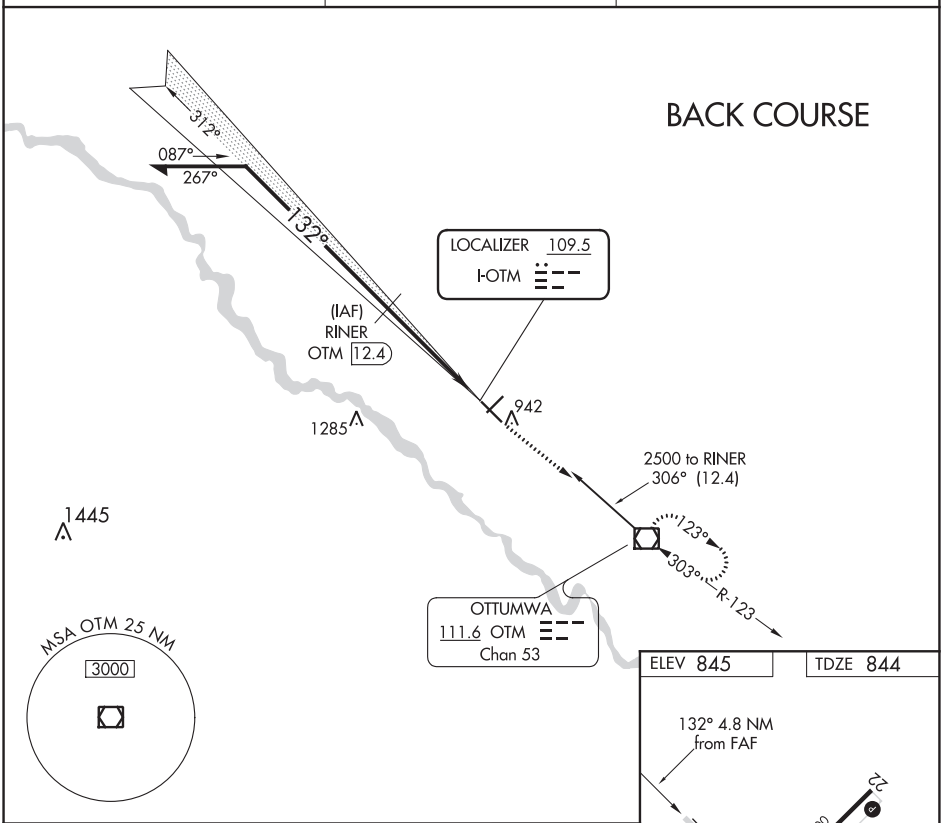
LOC I-OTM	APP CRS	Rwy ldg	5885
109.5	132°	TDZE	844
		Apt Elev	845

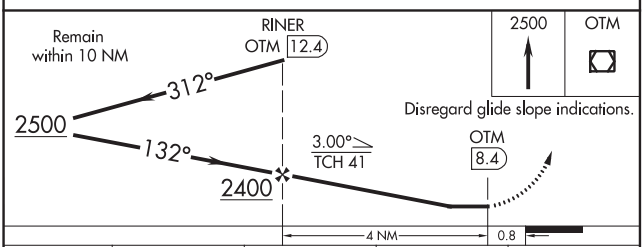
LOC/DME BC RWY 13
OTTUMWA RGNL (OTM)

DME from OTM VOR/DME. Simultaneous reception of I-OTM and OTM DME required. When local altimeter setting not received, use Oskaloosa altimeter setting and increase all MDA 20 feet.

MISSED APPROACH: Climb to 2500 direct OTM VOR/DME and hold.

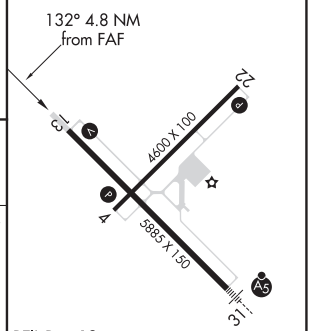
ASOS	CHICAGO CENTER	UNICOM
124.175	118.15 335.575	123.0 (CTAF) L





CATEGORY	A	B	C	D
S-13	1220-1 376 (400-1)			NA
CIRCLING	1260-1 415 (500-1)	1300-1 455 (500-1)	1300-1½ 455 (500-1½)	NA

ELEV 845 TDZE 844



REIL Rwy 13
REIL Rwys 4 and 22 L
HIRL Rwys 4-22 and 13-31 L

FAF to MAP 4 NM					
Knots	60	90	120	150	180
Min:Sec	4:00	2:40	2:00	1:36	1:20

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

OTTUMWA, IOWA | AL-915 (FAA) | 20198

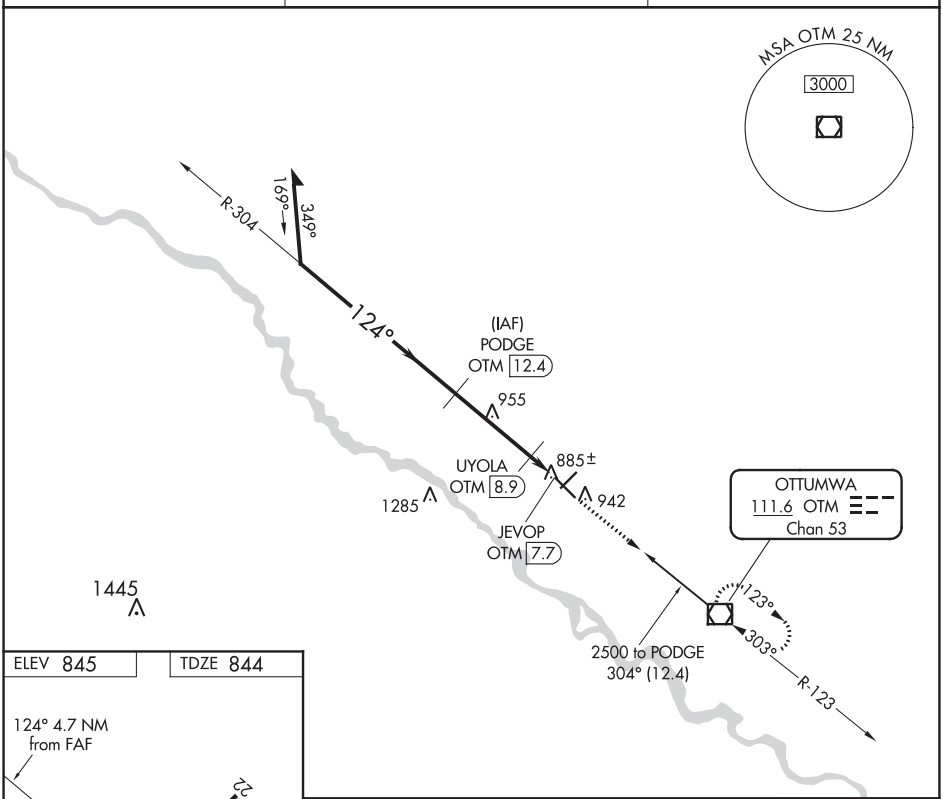
VOR/DME OTM	APP CRS	Rwy ldg	5885
111.6	124°	TDZE	844
Chan 53		Apt Elev	845

VOR/DME RWY 13
OTTUMWA RGNL (OTM)

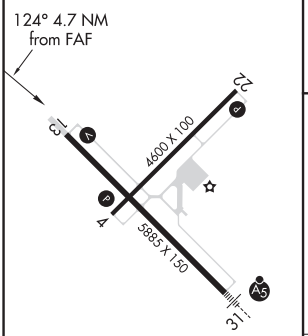
When local altimeter setting not received, use Oskaloosa altimeter setting and increase all MDA 20 feet.

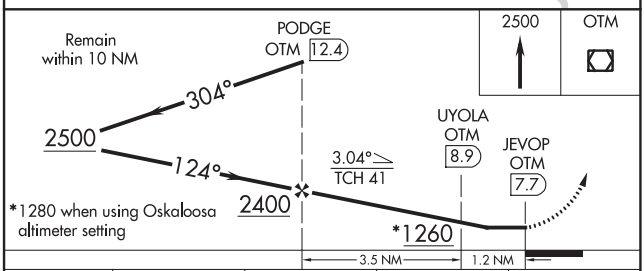
MISSED APPROACH: Climb to 2500 direct OTM VOR/DME and hold.

ASOS	CHICAGO CENTER	UNICOM
124.175	118.15 335.575	123.0 (CTAF) L



ELEV 845 | TDZE 844



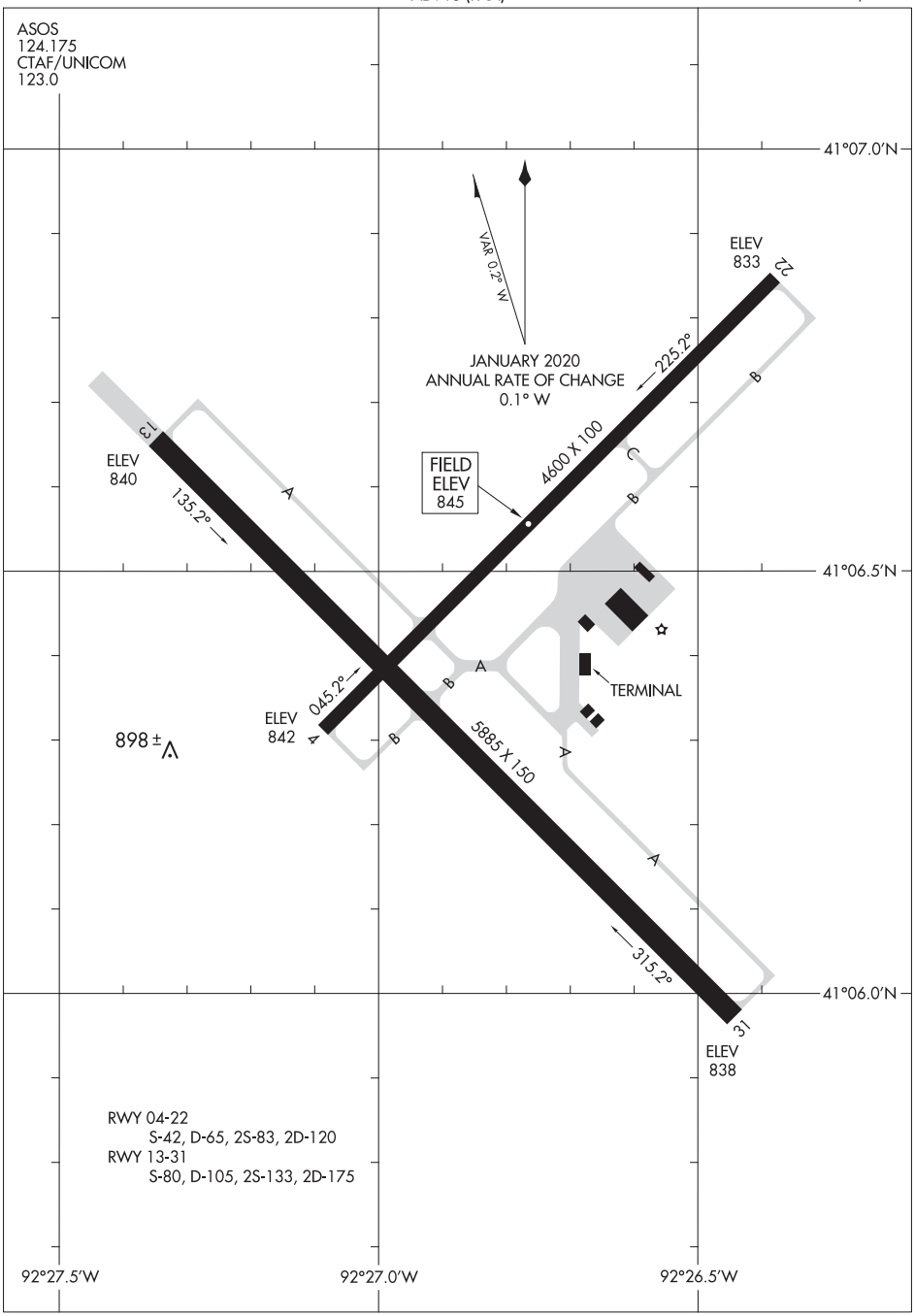


CATEGORY	A	B	C	D
S-13	1140-1	296 (300-1)	1140-⅞ 296 (300-⅞)	NA
CIRCLING	1260-1 415 (500-1)	1300-1 455 (500-1)	1300-1½ 455 (500-1½)	NA

REIL Rwy 13
REIL Rwys 4 and 22 L
HIRL Rwys 4-22 and 13-31 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

AL-915 (FAA)



NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

PELLA, IOWA | AL-6034 (FAA) | 19115

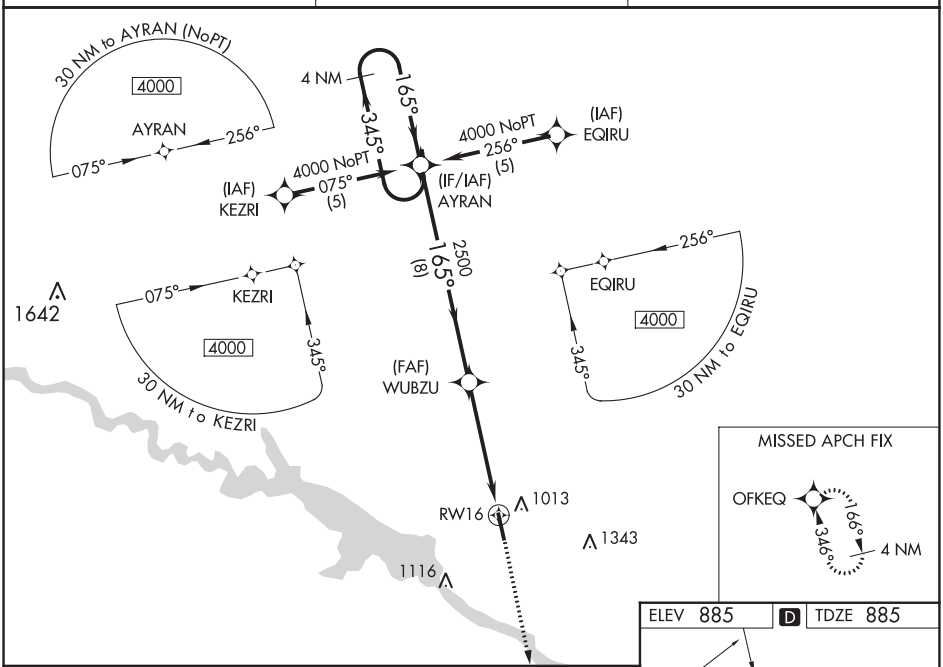
RNAV (GPS) RWY 16
PELLA MUNI (PEA)

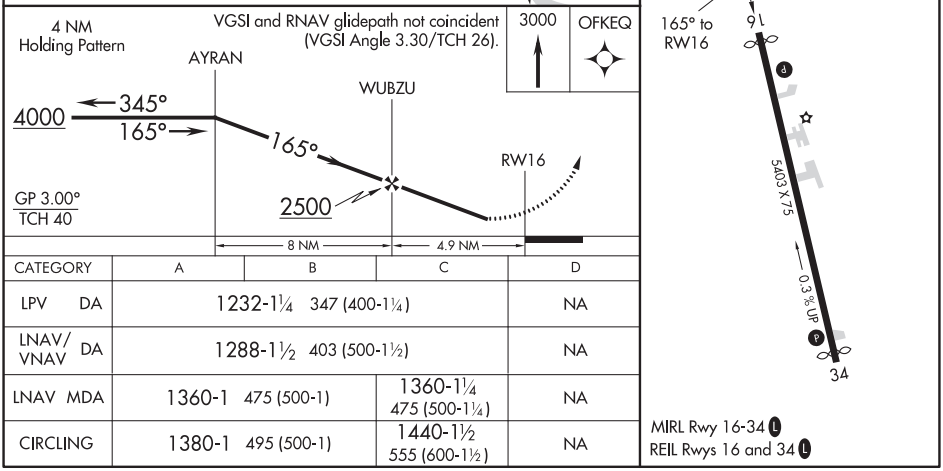
WAAS CH 77610 W16A	APP CRS 165°	Rwy ldg 5000 TDZE 885 Apt Elev 885

DME/DME RNP -0.3 NA. Visibility reduction by helicopters NA.
Baro-VNAV NA when using Knoxville altimeter setting.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F).
When local altimeter setting not received, use Knoxville altimeter setting and increase all DA 29 feet and all MDA 40 feet.

MISSED APPROACH: Climb to 3000 direct OFKEQ and hold.

AWOS-3	DES MOINES APP CON	UNICOM
118.875	123.9 307.15	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1232-1¼ 347 (400-1¼)			NA
LNAV/VNAV DA	1288-1½ 403 (500-1½)			NA
LNAV MDA	1360-1 475 (500-1)		1360-1¼ 475 (500-1¼)	NA
CIRCLING	1380-1 495 (500-1)		1440-1½ 555 (600-1½)	NA

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

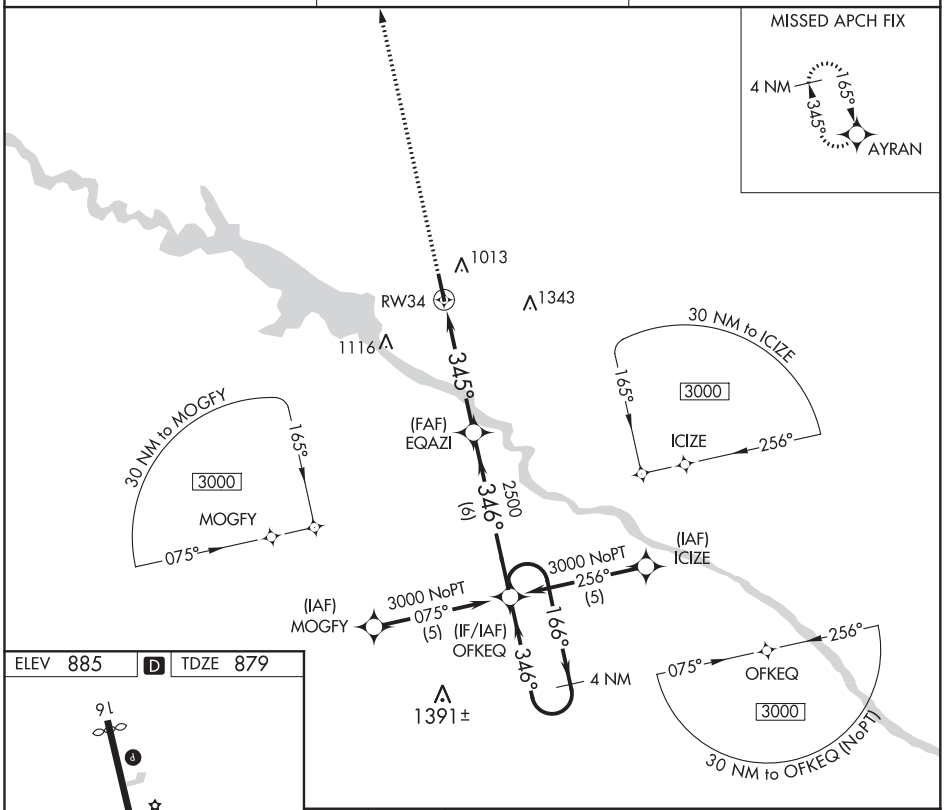
APP CRS	Rwy ldg	5000
345°	TDZE	879
	Apt Elev	885

RNAV (GPS) RWY 34
PELLA MUNI (PEA)

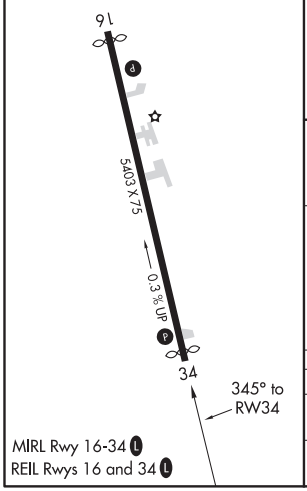
DME/DME RNP -0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Knoxville altimeter setting and increase all MDA 40 feet.

MISSED APPROACH: Climb to 4000 direct AYRAN and hold.

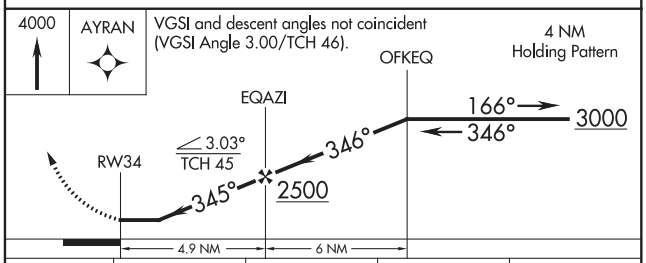
AWOS-3	DES MOINES APP CON	UNICOM
118.875	123.9 307.15	122.8 (CTAF) L



ELEV 885 D TDZE 879



MIRL Rwy 16-34 L
REIL Rwys 16 and 34 L



CATEGORY	A	B	C	D
LNAV MDA	1320-1 441 (500-1)		1320-1¼ 441 (500-1¼)	NA
CIRCLING	1380-1 495 (500-1)		1440-1½ 555 (600-1½)	NA

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

PELLA, IOWA

AL-6034 (FAA)

20310

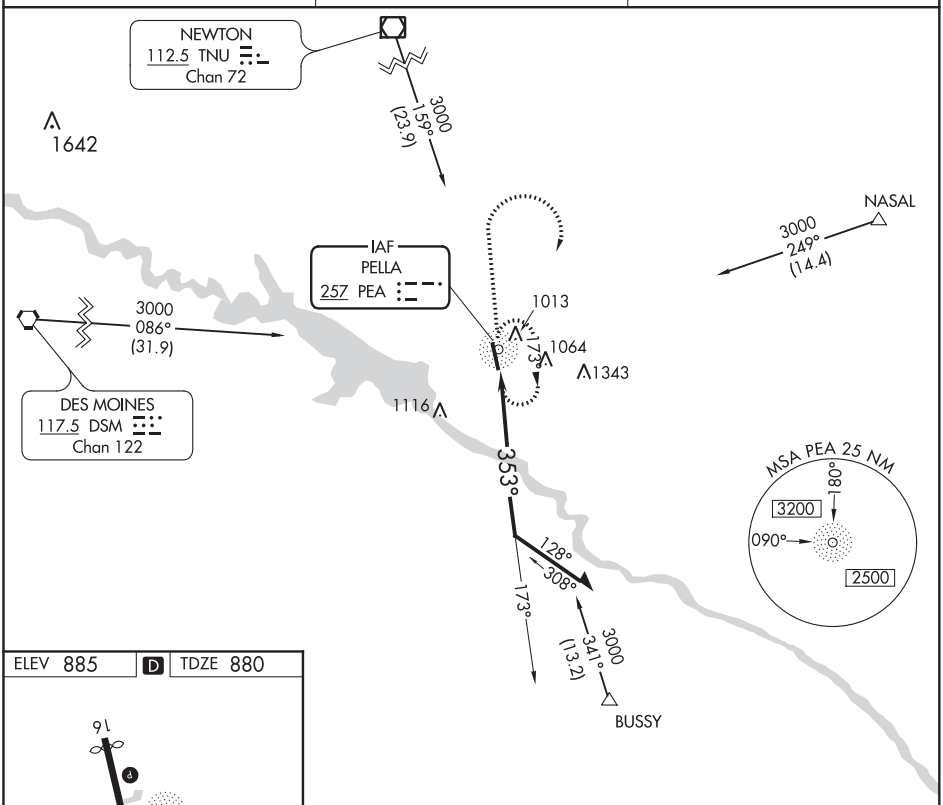
NDB RWY 34
PELLA MUNI (PEA)

NDB PEA	APP CRS	Rwy ldg	5000
257	353°	TDZE	880
		Apt Elev	885

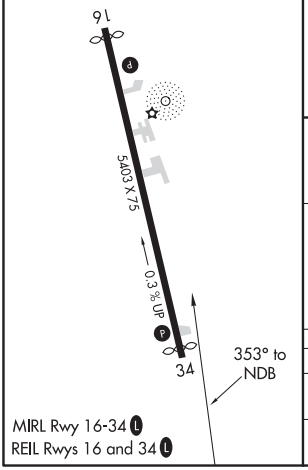
When local altimeter setting not received, use Knoxville altimeter setting and increase all MDA 40 feet.

MISSED APPROACH: Climb to 2500 then right turn direct PEA NDB and hold.

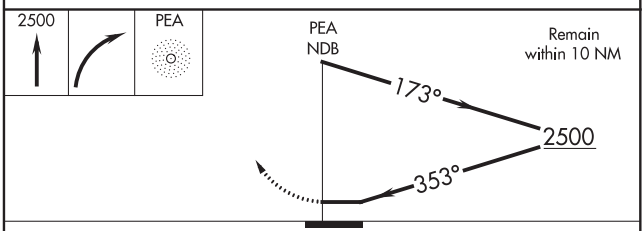
AWOS-3	DES MOINES APP CON	UNICOM
118.875	123.9 307.15	122.8 (CTAF) L



ELEV 885 | D | TDZE 880



MIRL Rwy 16-34 L
REIL Rwys 16 and 34 L



CATEGORY	A	B	C	D
S-34	1420-1	540 (600-1)	1420-1½ 540 (600-1½)	NA
CIRCLING	1420-1	535 (600-1)	1440-1½ 555 (600-1½)	NA

WAAS CH 61326 W14A	APP CRS 139°	Rwy ldg 4001 TDZE 1012 Apt Elev 1013

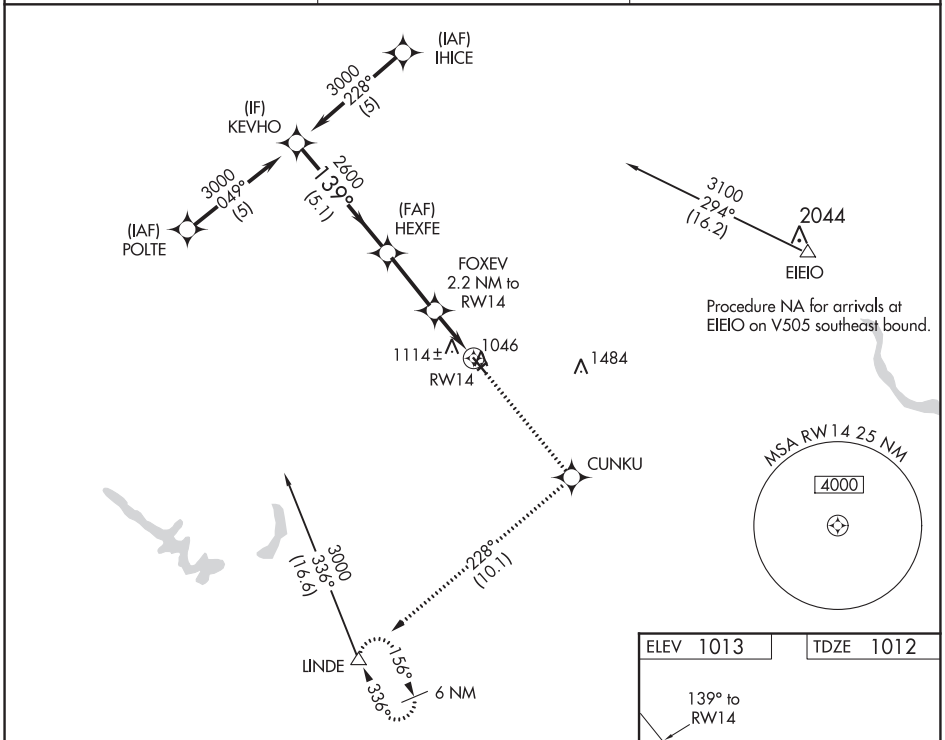
RNAV (GPS) RWY 14
PERRY MUNI (PRO)

RNP APCH.

Circling NA to Rwys 4 and 22. Rwy 14 helicopter visibility reduction below ¾ SM NA.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 54°C.

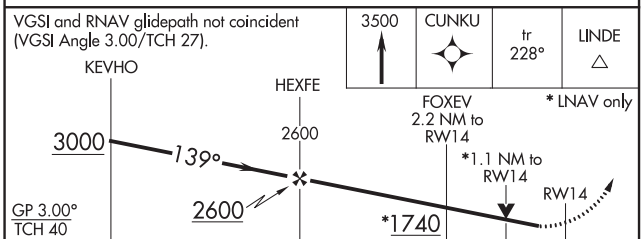
MISSED APPROACH: Climb to 3500 direct CUNKU and on track 228° to LINDE and hold.

AWOS-3	DES MOINES APP CON	UNICOM
118.0	135.2 360.7	122.8 (CTAF) L



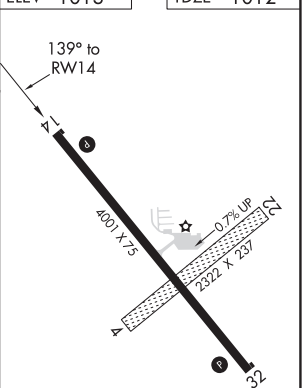
VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 27).

3500	CUNKU	tr 228°	LINDE



CATEGORY	A	B	C	D
LPV DA	1262-⅞	250 (300-⅞)	NA	
LNAV/VNAV DA	1262-⅞	250 (300-⅞)	NA	
LNAV MDA	1380-1	368 (400-1)	NA	
C CIRCLING	1460-1 447 (500-1)	1480-1 467 (500-1)	NA	

ELEV 1013	TDZE 1012



MIRL Rwy 14-32 L
REIL Rwys 14 and 32 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

PERRY, IOWA | AL-5668 (FAA) | 21056

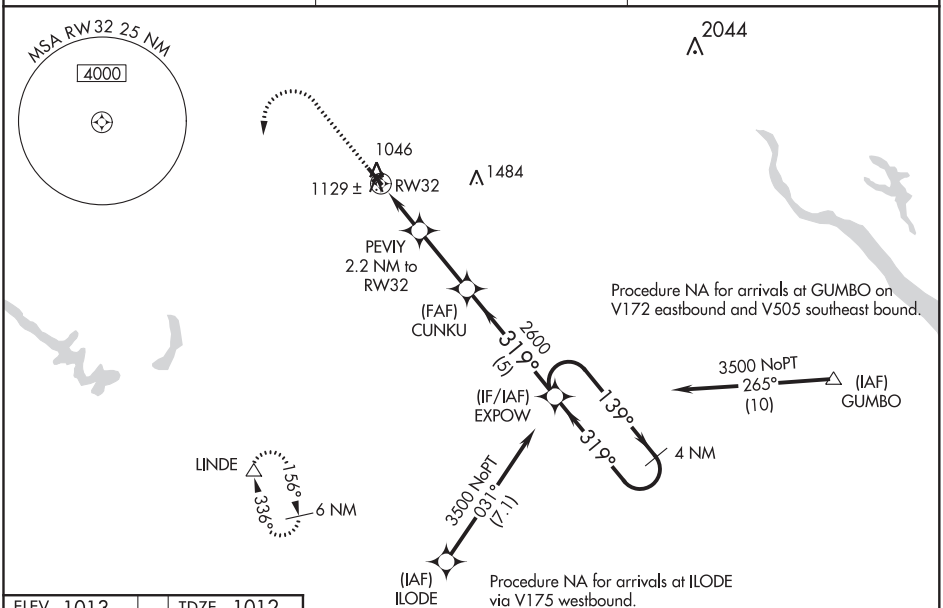
WAAS CH 90508 W32A	APP CRS 319°	Rwy ldg 4001 TDZE 1012 Apt Elev 1013

RNAV (GPS) RWY 32
PERRY MUNI (PRO)

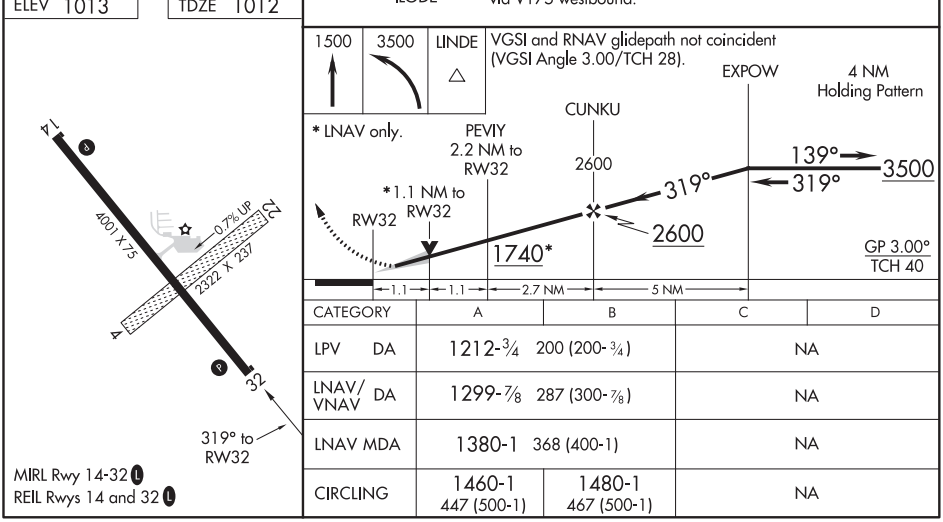
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Boone altimeter setting and increase all DA 66 feet and all MDA 80 feet. Increase LPV visibility all Cats to ⅞ mile, and increase LNAV/VNAV visibility all Cats to 1⅛ mile. Baro-VNAV and VDP NA when using Boone altimeter setting.

MISSED APPROACH: Climb to 1500 then climbing left turn to 3500 direct LINDE and hold.

AWOS-3	DES MOINES APP CON	UNICOM
118.0	135.2 360.7	122.8 (CTAF) L



ELEV 1013 | TDZE 1012



CATEGORY	A	B	C	D
LPV DA	1212-¾ 200 (200-¾)		NA	
LNAV/VNAV DA	1299-⅞ 287 (300-⅞)		NA	
LNAV MDA	1380-1 368 (400-1)		NA	
CIRCLING	1460-1 447 (500-1)	1480-1 467 (500-1)	NA	

MIRL Rwy 14-32 L
REIL Rwys 14 and 32 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 93618 W02A	APP CRS 017°	Rwy ldg 6483 TDZE 370 Apt Elev 372

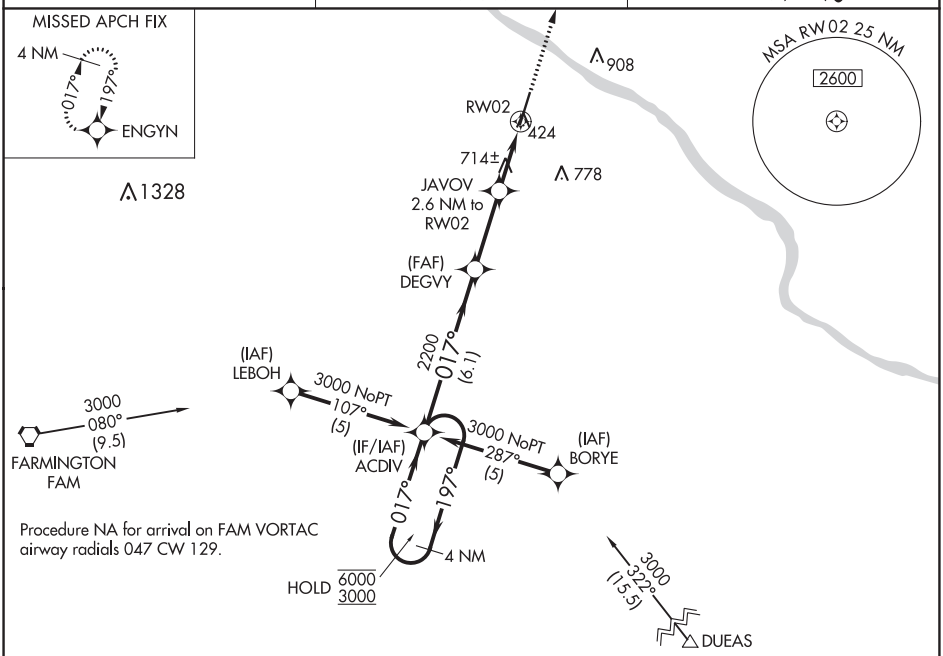
RNAV (GPS) RWY 2
PERRYVILLE RGNL (PCD)

RNP APCH.

For uncompensated Baro-VNAV systems, procedure NA below 15°C or above 54°C. Rwy 2 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 3000 direct ENGYN and hold.

AWOS-3PT	KANSAS CITY CENTER	UNICOM
118.95	127.475 346.275	122.8 (CTAF) L

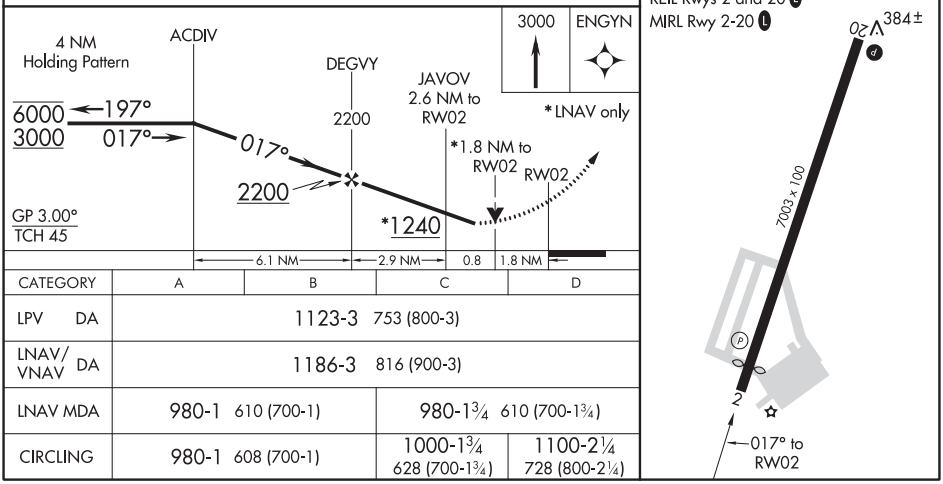


Procedure NA for arrival on FAM VORTAC airway radials 047 CW 129.

ELEV 372 D TDZE 370

REIL Rwys 2 and 20 L

MIRL Rwy 2-20 L



CATEGORY	A	B	C	D
LPV DA	1123-3 753 (800-3)			
LNAV/VNAV DA	1186-3 816 (900-3)			
LNAV MDA	980-1 610 (700-1)		980-1¾ 610 (700-1¾)	
CIRCLING	980-1 608 (700-1)		1000-1¾ 628 (700-1¾)	1100-2¼ 728 (800-2¼)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

PERRYVILLE, MISSOURI | AL-5482 (FAA) | 18032

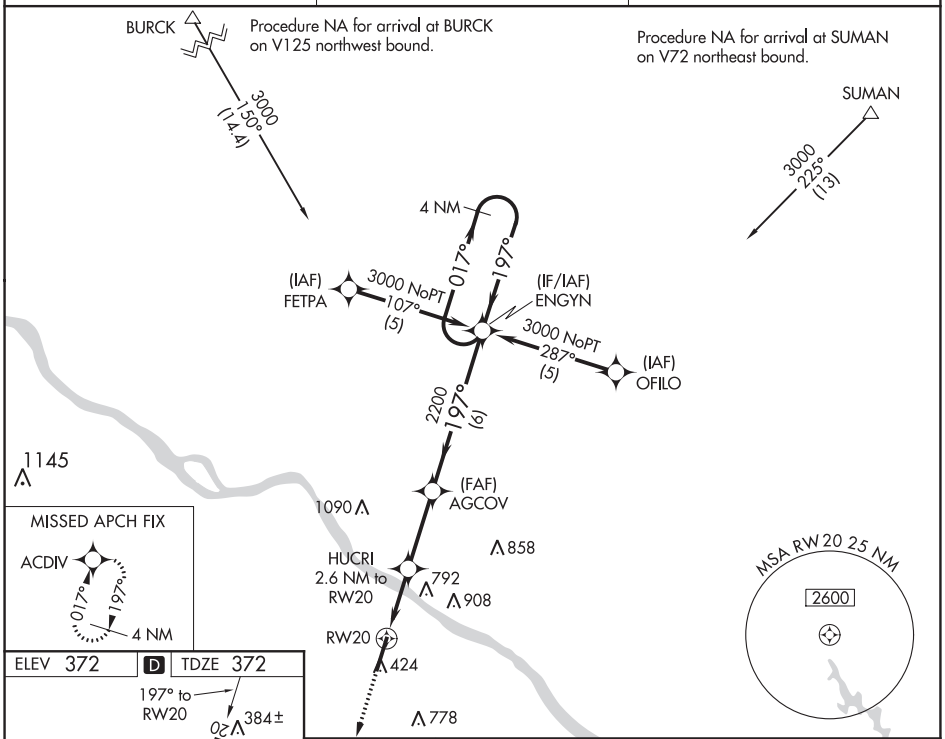
RNAV (GPS) RWY 20
PERRYVILLE RGNL (PCD)

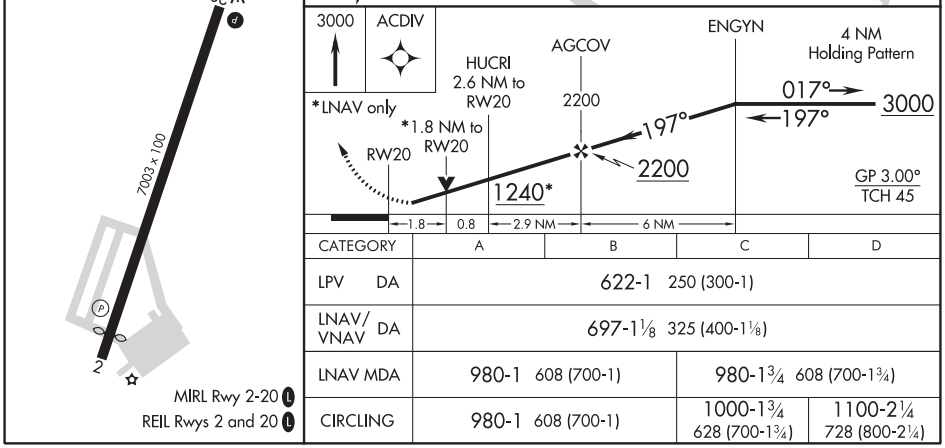
WAAS CH 53418 W20A	APP CRS 197°	Rwy ldg 6483 TDZE 372 Apt Elev 372

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 48°C (118°F). DME/DME RNP-0.3 NA. Rwy 20 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 3000 direct ACDIV and hold.

AWOS-3PT	KANSAS CITY CENTER	UNICOM
118.95	127.475 346.275	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	622-1 250 (300-1)			
LNAV/VNAV DA	697-1⅛ 325 (400-1⅛)			
LNAV MDA	980-1 608 (700-1)		980-1¾ 608 (700-1¾)	
CIRCLING	980-1 608 (700-1)		1000-1¾ 628 (700-1¾)	1100-2¼ 728 (800-2¼)

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

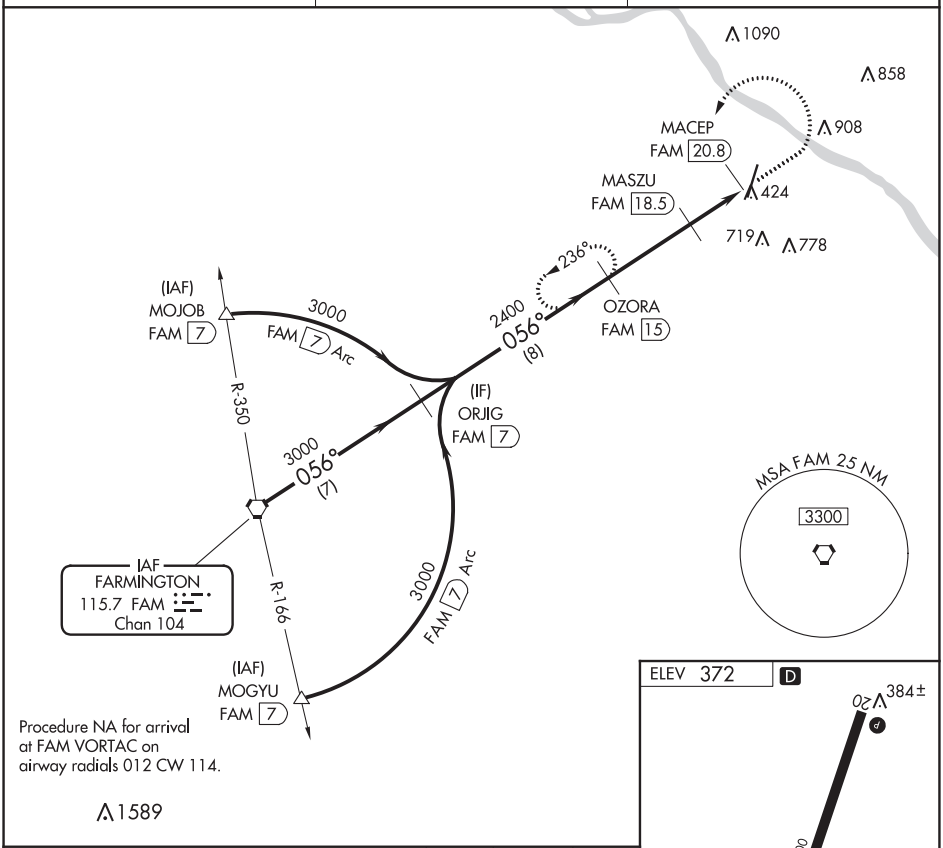
VORTAC FAM 115.7 Chan 104	APP CRS 056°	Rwy ldg N/A TDZE N/A Apt Elev 372

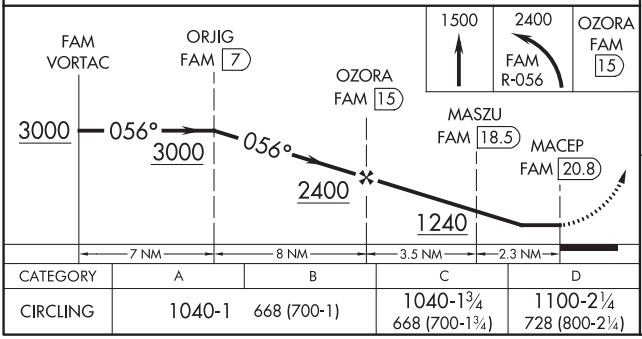
VOR-A
PERRYVILLE RGNL (PCD)

DME required.

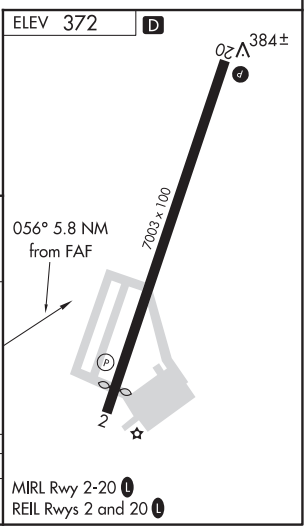
MISSED APPROACH: Climb to 1500 then climbing left turn to 2400 on FAM VORTAC R-056 to OZORA/FAM 15 DME and hold.

AWOS-3PT	KANSAS CITY CENTER	UNICOM
118.95	127.475 346.275	122.8 (CTAF) L





CATEGORY	A	B	C	D
CIRCLING	1040-1	668 (700-1)	1040-1¾ 668 (700-1¾)	1100-2¼ 728 (800-2¼)



MIRL Rwy 2-20 L
REIL Rwys 2 and 20 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

POCAHONTAS, IOWA | AL-6108 (FAA) | 19283

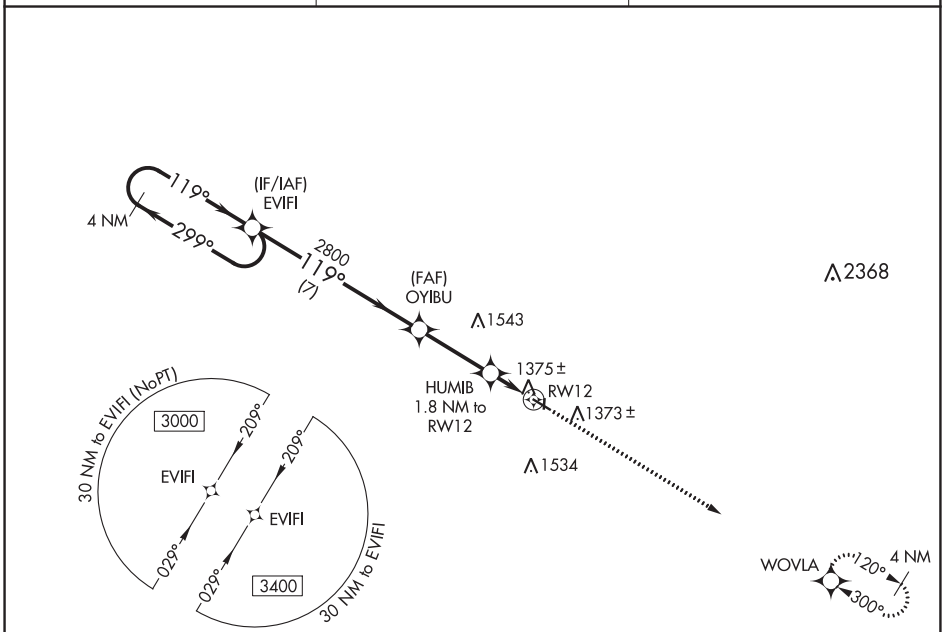
WAAS CH 58223 W12A	APP CRS 119°	Rwy ldg 4100 TDZE 1226 Apt Elev 1226

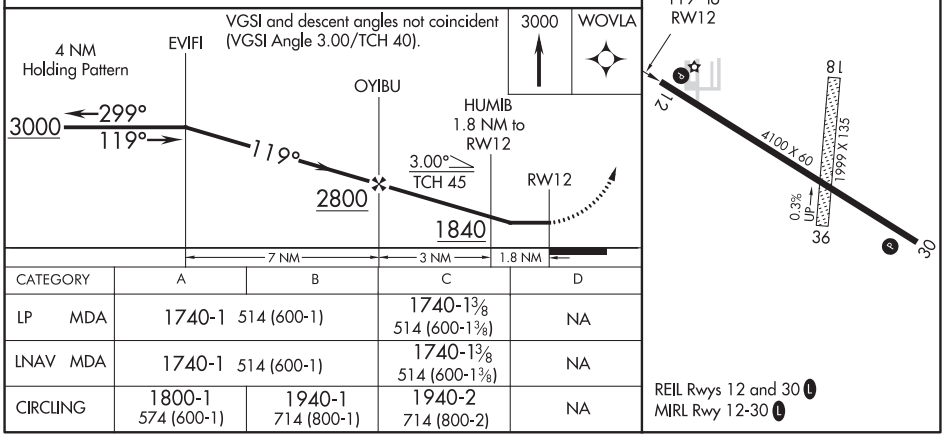
RNAV (GPS) RWY 12
POCAHONTAS MUNI (POH)

DME/DME RNP-0.3 NA. Helicopter visibility reduction below 1 SM NA.
Use Algona altimeter setting; when not received, use Fort Dodge altimeter setting and increase all MDA 20 feet and LP and LNAV Cat C visibility ⅛ mile.
Night Landing: Rwy 12 NA. Circling NA to Rwys 18 and 36.

MISSED APPROACH: Climb to 3000 direct WOVLA and hold

AXA AWOS-3	MINNEAPOLIS CENTER	UNICOM
118.475	134.0 288.3	122.8 (CTAF) L





CATEGORY	A	B	C	D
LP MDA	1740-1 514 (600-1)		1740-1⅜ 514 (600-1⅜)	NA
LNAV MDA	1740-1 514 (600-1)		1740-1⅜ 514 (600-1⅜)	NA
CIRCLING	1800-1 574 (600-1)	1940-1 714 (800-1)	1940-2 714 (800-2)	NA

REIL Rwys 12 and 30 L
MIRL Rwy 12-30 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 70723 W30A	APP CRS 300°	Rwy ldg 4100 TDZE 1222 Apt Elev 1226

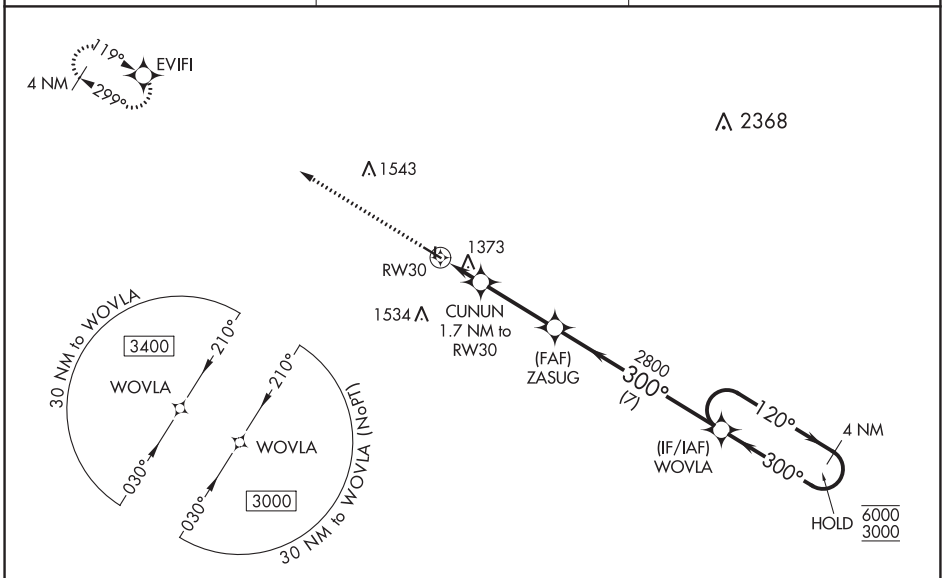
RNAV (GPS) RWY 30
POCAHONTAS MUNI (POH)

RNP APCH.

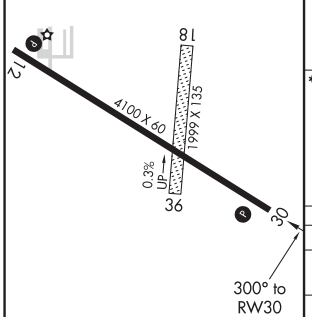
T A NA Circling NA to Rwys 18 and 36. Circling Rwy 12 NA at night. Rwy 30 helicopter visibility reduction below ¾ SM NA. Use Algona altimeter setting; when not received, use Fort Dodge altimeter setting: increase LPV all Cats DA to 1536 feet, LNAV/VNAV all Cats DA to 1784 feet; increase all MDA 20 feet and LNAV Cat C visibility ⅛ SM. Baro-VNAV NA.

MISSED APPROACH: Climb to 3000 direct EVIFI and hold.

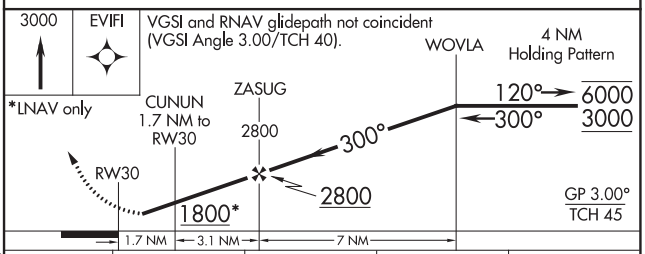
AXA AWOS-3	MINNEAPOLIS CENTER	UNICOM
118.475	134.0 288.3	122.8 (CTAF) L



ELEV 1226 TDZE 1222



REIL Rwys 12 and 30 L
MIRL Rwy 12-30 L



CATEGORY	A	B	C	D
LPV DA	1534-1 312 (400-1)			NA
LNAV/VNAV DA	1782-1⅝ 560 (600-1⅝)			NA
LNAV MDA	1740-1 518 (600-1)		1740-1⅜ 518 (600-1⅜)	NA
CIRCLING	1800-1 574 (600-1)	1940-1 714 (800-1)	1940-2 714 (800-2)	NA

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

POCAHONTAS, IOWA | AL-6108 (FAA) | 19283

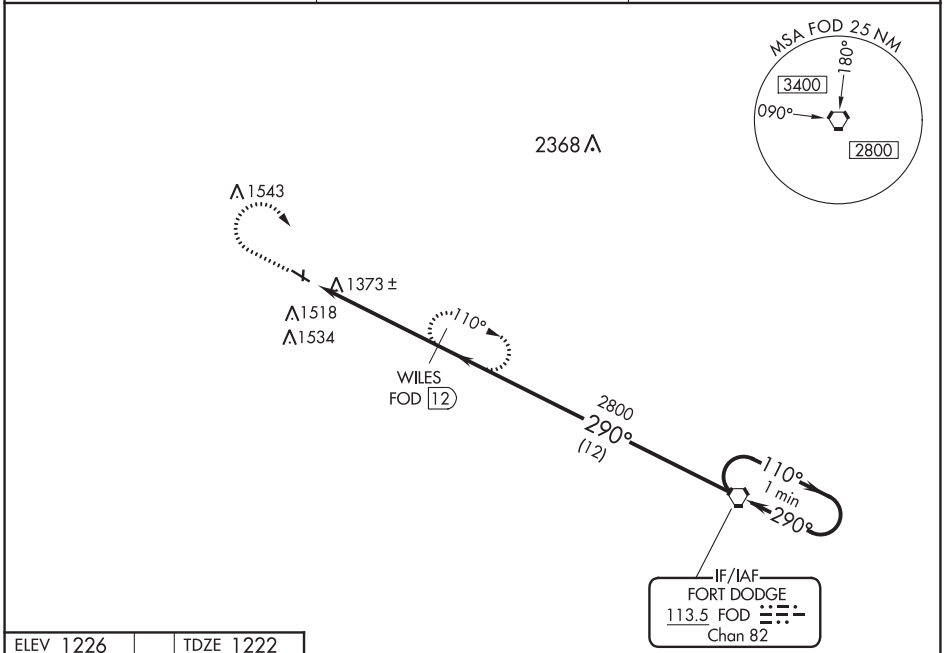
VOR/DME RWY 30
POCAHONTAS MUNI (POH)

VORTAC FOD	APP CRS	Rwy ldg	4100
113.5	290°	TDZE	1222
Chan 82		Apt Elev	1226

T A NA — Helicopter visibility reduction below ¾ SM NA. Use Algona altimeter setting; when not received, use Fort Dodge altimeter setting and increase all MDA 20 feet and S-30 Cat C visibility ⅛ mile. Night Landing: Rwy 12 NA. Circling NA to Rwys 18 and 36.

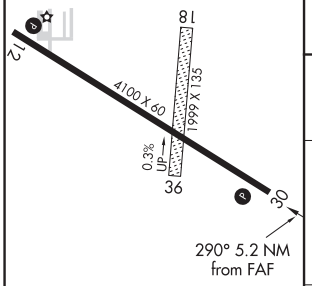
MISSED APPROACH: Climb to 2800 then right turn on FOD VORTAC R-290 to WILES/FOD 12 DME and hold.

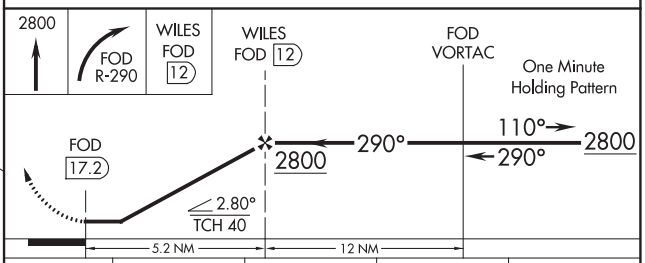
AXA AWOS-3	MINNEAPOLIS CENTER	UNICOM
118.475	134.0 288.3	122.8 (CTAF) L



NoPT for arrival on FOD VORTAC airway radials 003 CW 215.

ELEV 1226 | TDZE 1222





CATEGORY	A	B	C	D
S-30	1900-1 678 (700-1)		1900-1⅞ 678 (700-1⅞)	NA
CIRCLING	1900-1 674 (700-1)	1940-1 714 (800-1)	1940-2 714 (800-2)	NA

REIL Rwys 12 and 30 L
MIRL Rwy 12-30 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

NDB POH	APP CRS	Rwy ldg	4100
428	090°	TDZE	1226
		Apt Elev	1226

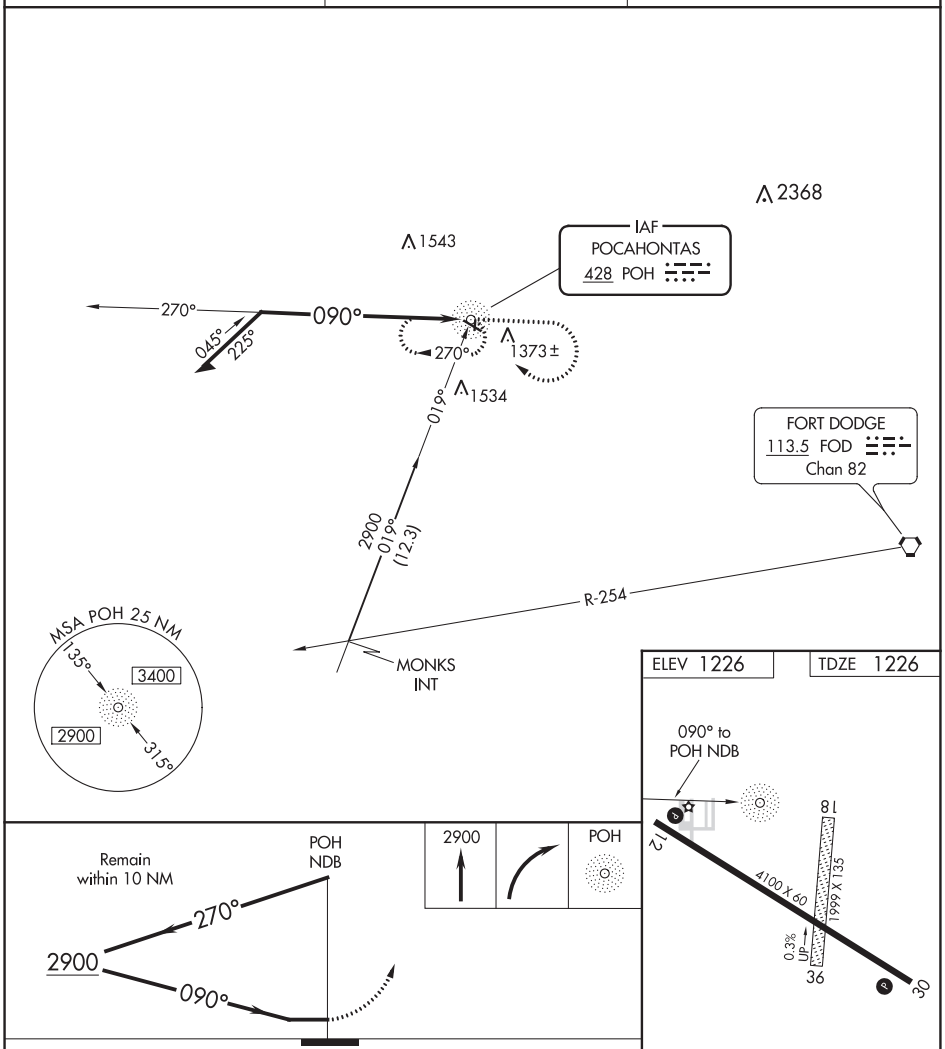
NDB RWY 12
POCAHONTAS MUNI (POH)

T NA

Helicopter visibility reduction below 1 SM NA. Use Algona altimeter setting; when not received, use Fort Dodge altimeter setting and increase all MDA 20 feet. Night Landing: Rwy 12 NA. Circling NA to Rwys 18 and 36.

MISSED APPROACH: Climb to 2900 then right turn direct POH NDB and hold.

AXA AWOS-3	MINNEAPOLIS CENTER	UNICOM
118.475	134.0 288.3	122.8 (CTAF) L



CATEGORY	A	B	C	D
S-12	1940-1 714 (800-1)		NA	
CIRCLING	1940-1 714 (800-1)		1940-2 714 (800-2)	NA

REIL Rwys 12 and 30 L
MIRL Rwy 12-30 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

POPLAR BLUFF, MISSOURI | AL-5622 (FAA) | 20310

WAAS CH 97499 W18A	APP CRS 181°	Rwy ldg 5008 TDZE 331 Apt Elev 331

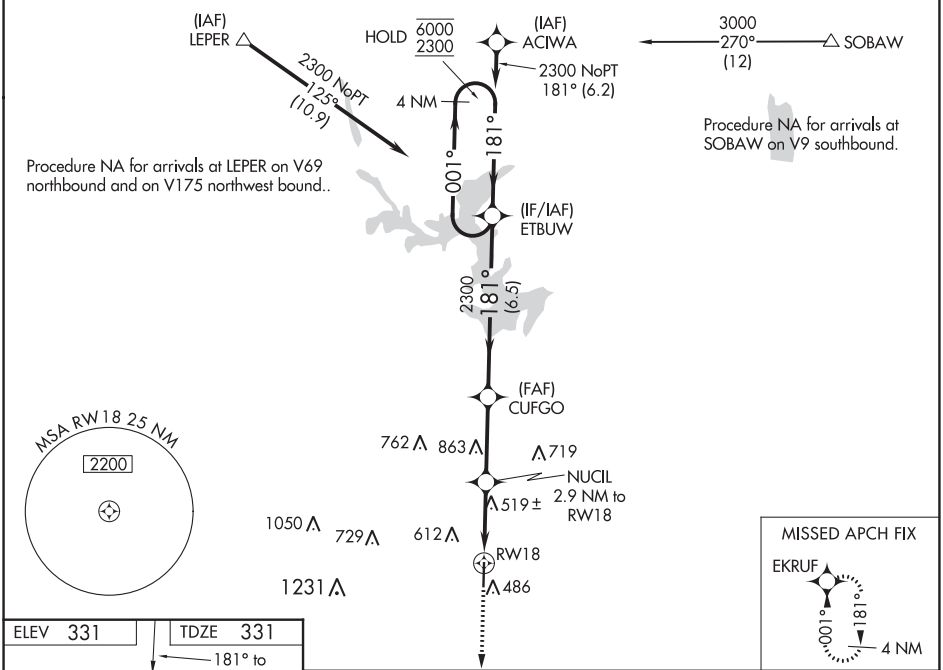
RNAV (GPS) RWY 18
POPLAR BLUFF RGNL BUSINESS (POF)

RNP APCH.

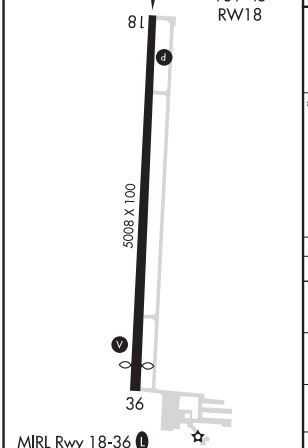
Rwy 18 helicopter visibility reduction below ¾ SM NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -23°C or above 54°C.

MISSED APPROACH: Climb to 2300 direct EKRUF and hold.

ASOS	MEMPHIS CENTER	UNICOM
124.225	120.075 289.4	123.0 (CTAF) L



ELEV 331 | TDZE 331

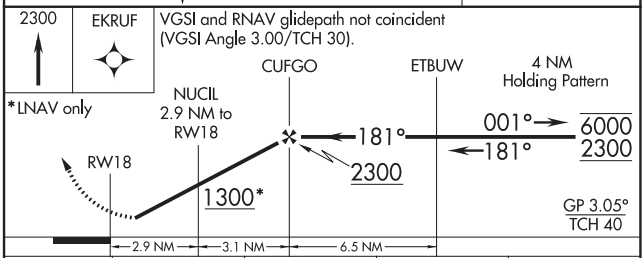


MIRL Rwy 18-36 L
REIL Rwys 18 and 36

2300 | EKRUF

*LNAV only

VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 30).



CATEGORY	A	B	C	D
LPV DA	634-1 303 (400-1)			
LNAV/VNAV DA	675-1¼ 344 (400-1¼)			
LNAV MDA	800-1 469 (500-1)		800-1⅜ 469 (500-1⅜)	800-1½ 469 (500-1½)
CIRCLING	840-1 509 (600-1)	920-1 589 (600-1)	920-1½ 589 (600-1½)	980-2 649 (700-2)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 56399 W36A	APP CRS 001°	Rwy ldg 4708 TDZE 331 Apt Elev 331

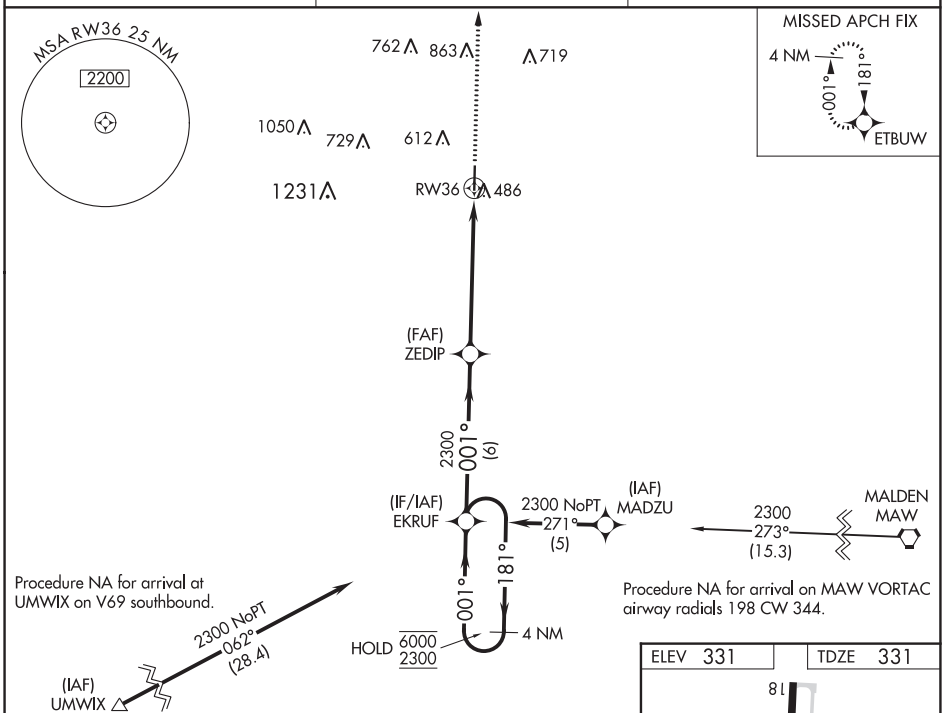
RNAV (GPS) RWY 36
POPLAR BLUFF RGNL BUSINESS (POF)

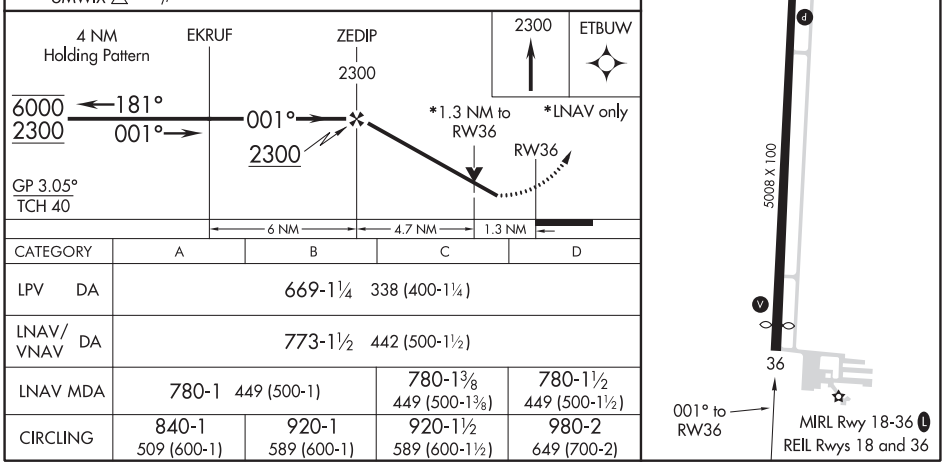
RNP APCH.

Rwy 36 helicopter visibility reduction below ¾ SM NA.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -23°C or above 54°C.

MISSED APPROACH: Climb to 2300 direct ETBUW and hold.

ASOS	MEMPHIS CENTER	UNICOM
124.225	120.075 289.4	123.0 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	669-1¼ 338 (400-1¼)			
LNAV/VNAV DA	773-1½ 442 (500-1½)			
LNAV MDA	780-1 449 (500-1)		780-1⅜ 449 (500-1⅜)	780-1½ 449 (500-1½)
CIRCLING	840-1 509 (600-1)	920-1 589 (600-1)	920-1½ 589 (600-1½)	980-2 649 (700-2)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

POTOSI, MISSOURI | AL-10241 (FAA) | 20198

RNAV (GPS) RWY 2
WASHINGTON COUNTY (8WC)

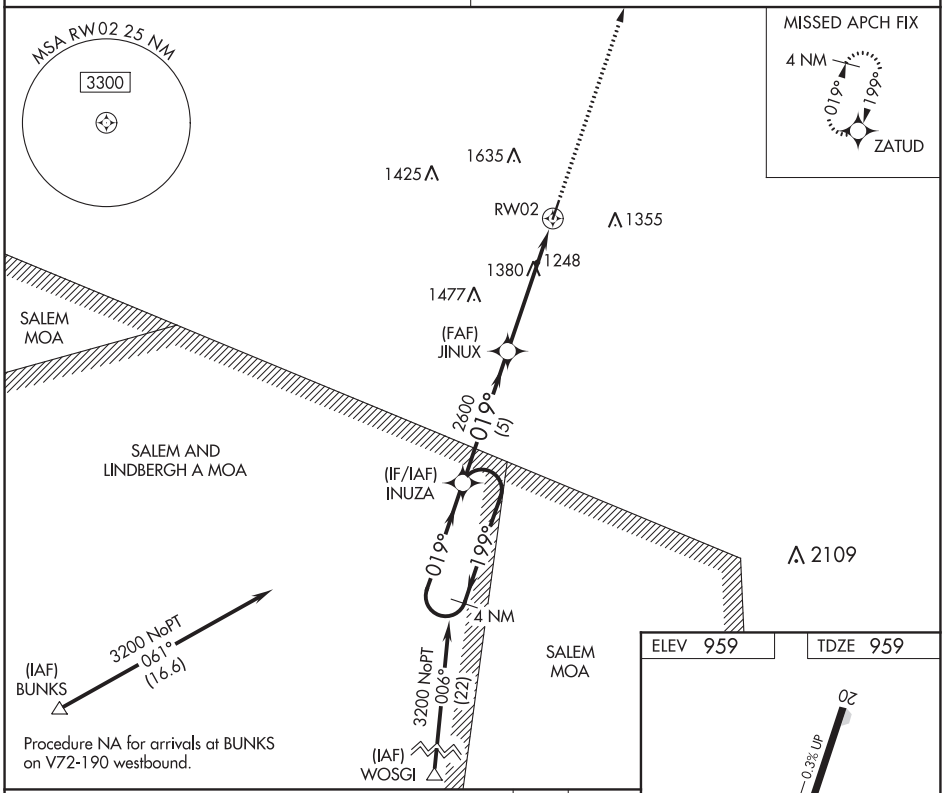
WAAS CH 93624 W02A	APP CRS 019°	Rwy ldg 4000 TDZE 959 Apt Elev 959

RNP APCH.

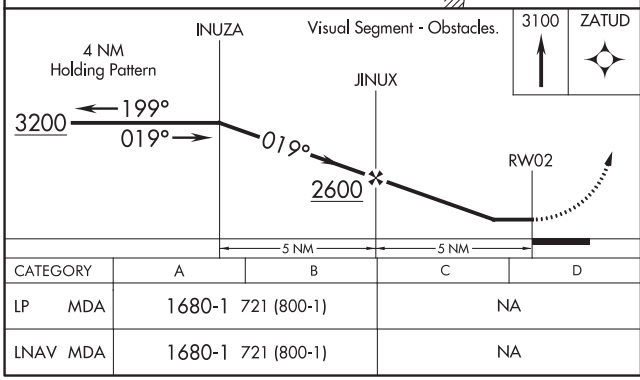
NA Use Farmington altimeter setting; when not received, use Rolla National altimeter setting and increase all MDAs 100 feet and visibility LP and LNAV Cat B ¼ SM. Rwy 2 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 3100 direct ZATUD and hold.

KANSAS CITY CENTER	UNICOM
128.35 284.675	123.0 (CTAF) L

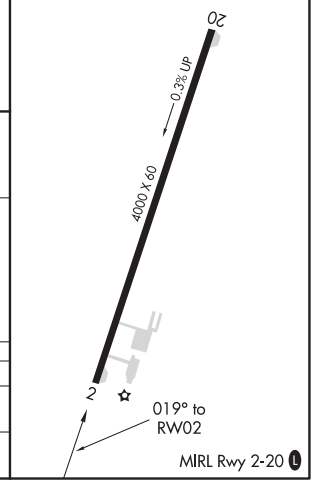


Procedure NA for arrivals at BUNKS on V72-190 westbound.



CATEGORY	A	B	C	D
LP MDA	1680-1 721 (800-1)		NA	
LNAV MDA	1680-1 721 (800-1)		NA	

ELEV 959 | TDZE 959



POTOSI, MISSOURI
Amdt 2C 18JUL19

37°56′N-90°44′W

WASHINGTON COUNTY (8WC)
RNAV (GPS) RWY 2

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 86721 W20A	APP CRS 199°	Rwy ldg 4000 TDZE 958 Apt Elev 959

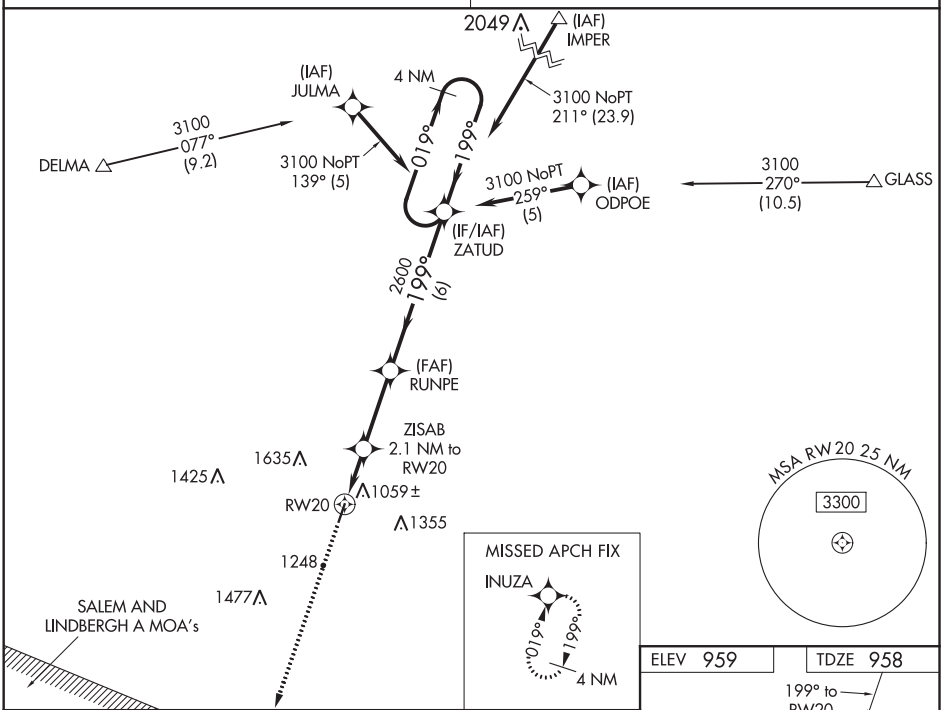
RNAV (GPS) RWY 20
WASHINGTON COUNTY (8WC)

T NA

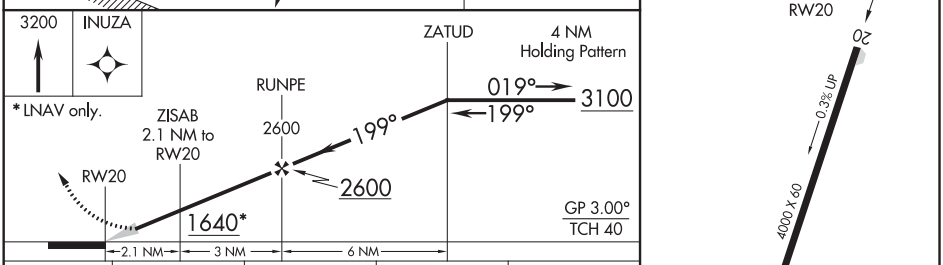
Baro-VNAV NA. DME/DME RNP- 0.3 NA. Use Farmington altimeter setting, when not received, use Rolla National altimeter setting and increase all DA/MDA 100 feet; increase LPV Cats A/B visibility ⅜ mile and increase LNAV/VNAV Cats A/B ¼ mile. Circling NA west of Rwy 2-20.

MISSED APPROACH: Climb to 3200 direct INUZA and hold.

KANSAS CITY CENTER	UNICOM
128.35 284.675	123.0 (CTAF) L



ELEV 959	TDZE 958



CATEGORY	A	B	C	D
LPV DA	1253-1 295 (300-1)		NA	
LNAV / VNAV DA	1278-1⅛ 320 (400-1⅛)		NA	
LNAV MDA	1360-1 402 (500-1)		NA	
CIRCLING	1580-1 621 (700-1)	1600-1 641 (700-1)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

RED OAK, IOWA | AL-6051 (FAA) | 19339

RNAV (GPS) RWY 5
RED OAK MUNI (RDK)

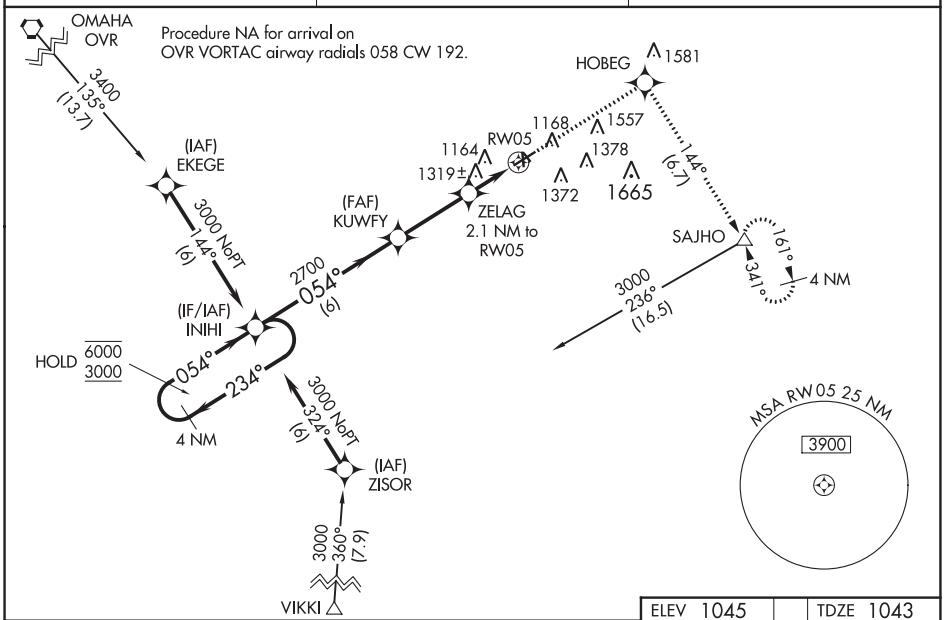
WAAS CH 42927 W05A	APP CRS 054°	Rwy ldg 4100 TDZE 1043 Apt Elev 1045

RNP APCH

Circling NA to Rwys 13 and 31. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17° C or above 54° C.

MISSED APPROACH: Climb to 3000 direct HOBEG and right turn on track 144° to SAJHO and hold.

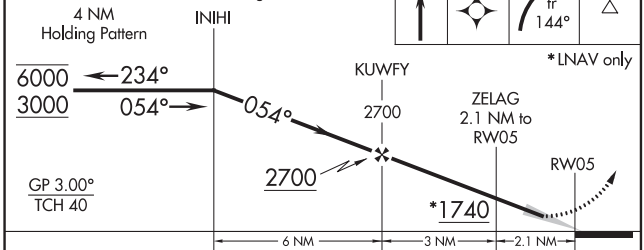
AWOS-3P	OMAHA APP CON	UNICOM
123.925	124.5 263.0	122.8 (CTAF) L



VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 26).

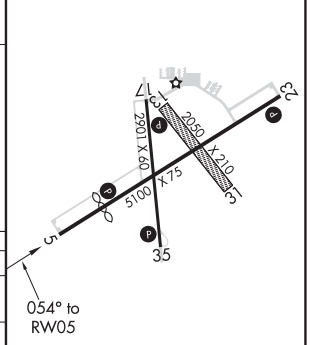
3000	HOBEG	tr 144°	SAJHO

*LNAV only



CATEGORY	A	B	C	D
LPV DA	1363-1 320 (400-1)		NA	
LNAV/VNAV DA	1660-2¼ 617 (700-2¼)		NA	
LNAV MDA	1600-1 557 (600-1)		NA	
CIRCLING	1620-1 575 (600-1)	1740-1 695 (700-1)	NA	

ELEV 1045 | TDZE 1043



MIRL Rwys 5-23 and 17-35 L
REIL Rwys 5, 17, 23, and 35 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

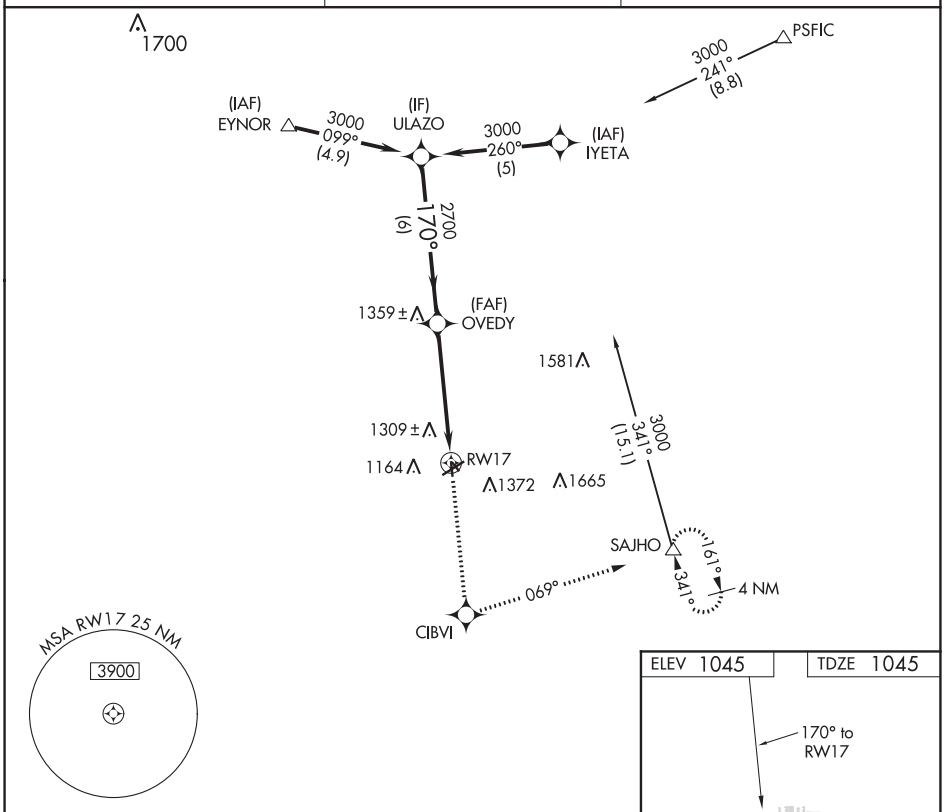
APP CRS	Rwy ldg	2901
170°	TDZE	1045
	Apt Elev	1045

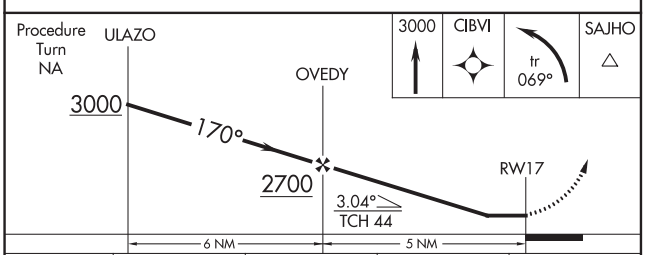
RNAV (GPS) RWY 17
RED OAK MUNI (RDK)

DME/DME RNP-0.3 NA. Visibility reduction by helicopers NA. When local altimeter setting not received, use Shenandoah altimeter setting and increase all MDA 60 feet, and increase Circling Cat B visibility ¼ mile.

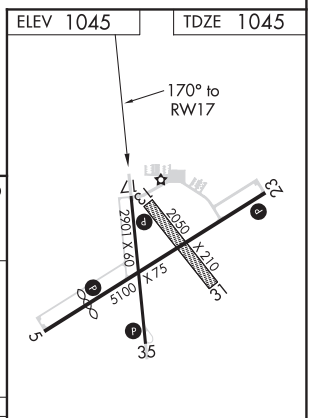
MISSED APPROACH: Climb to 3000 direct CIBVI and left turn via track 069° to SAJHO and hold.

AWOS-3P	OMAHA APP CON	UNICOM
123.925	124.5 263.0	122.8 (CTAF) L





CATEGORY	A	B	C	D
LNAV MDA	1600-1 555 (600-1)		NA	
CIRCLING	1620-1 575 (600-1)	1780-1 735 (800-1)	NA	



MIRL Rwys 5-23 and 17-35 L
REIL Rwys 5, 17, 23, and 35 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

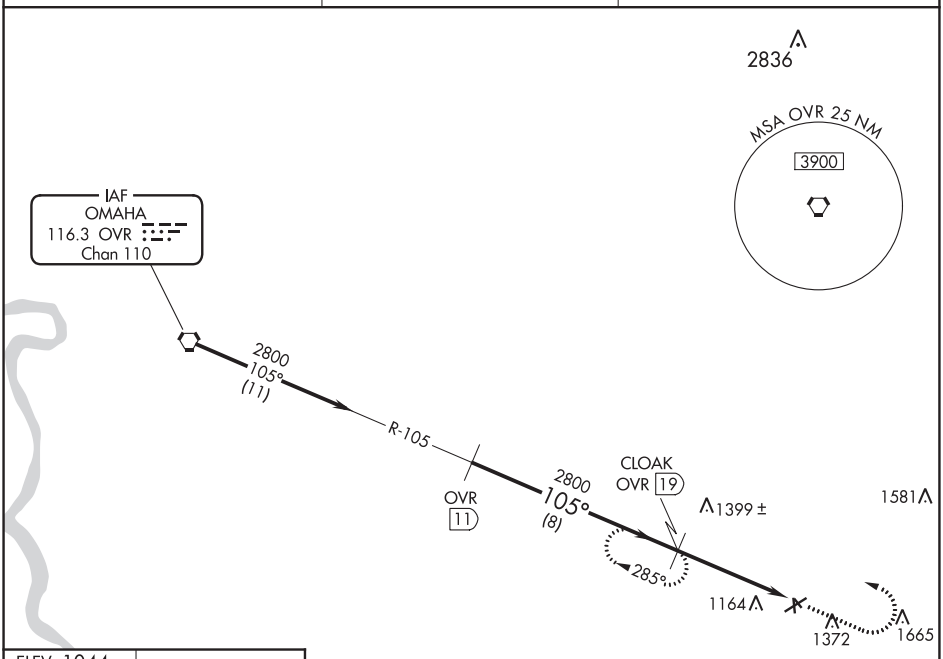
RED OAK, IOWA | AL-6051 (FAA) | 20310

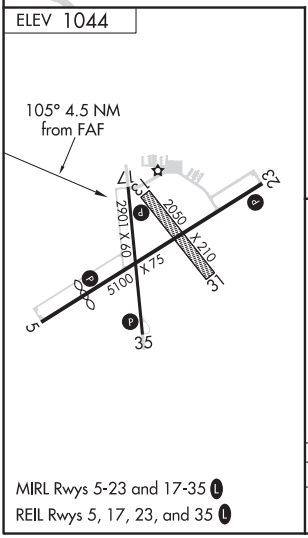
VORTAC OVR	APP CRS	Rwy ldg	N/A
116.3	105°	TDZE	N/A
Chan 110		Apt Elev	1044

VOR/DME-A
RED OAK MUNI (RDK)

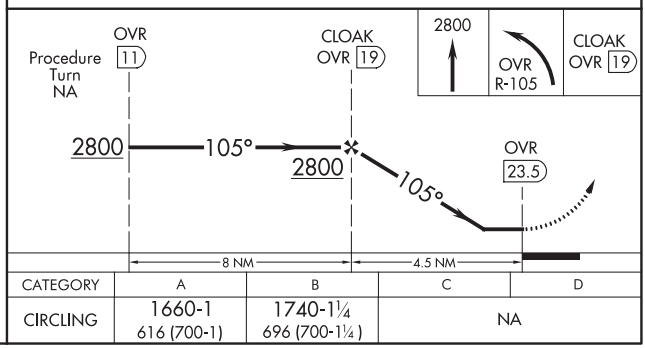
MISSED APPROACH: Climb to 2800 then left turn via OVR R-105 to CLOAK/19 DME and hold.

AWOS-3P	OMAHA APP CON	UNICOM
123.925	124.5 263.0	122.8 (CTAF) L





MIRL Rwys 5-23 and 17-35 L
REIL Rwys 5, 17, 23, and 35 L



CATEGORY	A	B	C	D
CIRCLING	1660-1 616 (700-1)	1740-1¼ 696 (700-1¼)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 82742 W16A	APP CRS 167°	Rwy ldg 2797 TDZE 1363 Apt Elev 1363

RNAV (GPS) RWY 16
ROCK RAPIDS MUNI (RRQ)

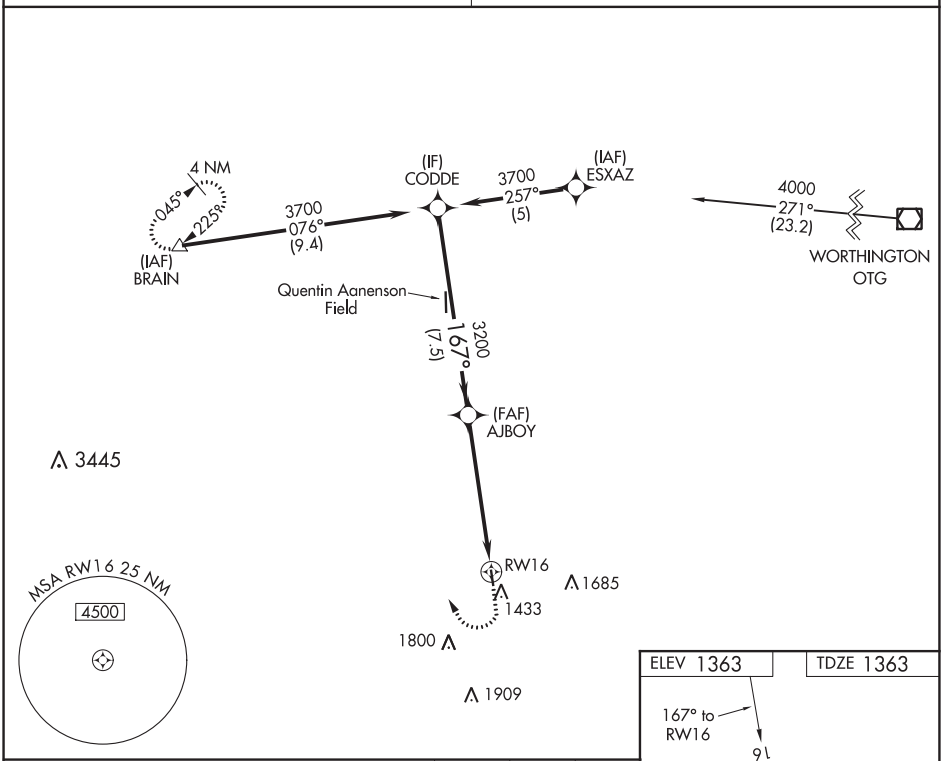
RNP APCH.

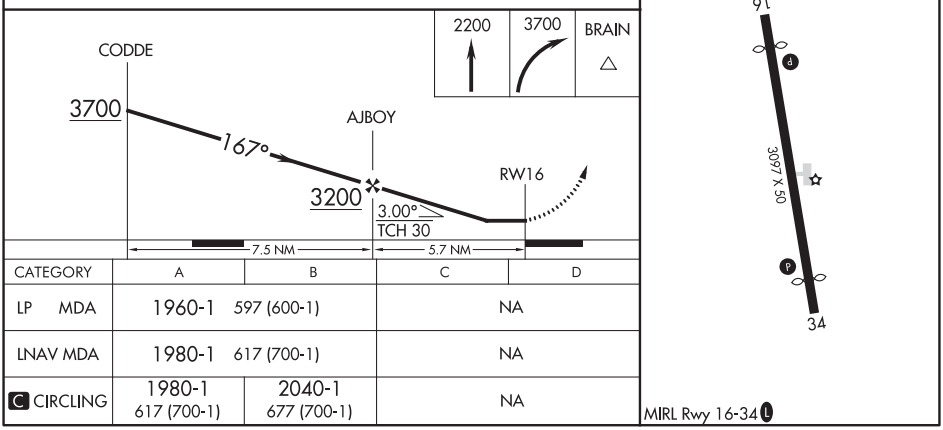
T
A NA

Procedure NA at night. Rwy 16 helicopter visibility reduction below 1 SM NA. Use Sioux Falls, SD altimeter setting.

MISSED APPROACH: Climb to 2200 then climbing right turn to 3700 direct BRAIN and hold.

SIOUX FALLS APP CON*	UNICOM
126.9 284.725	122.8 (CTAF) L





CATEGORY	A	B	C	D
LP MDA	1960-1 597 (600-1)		NA	
LNAV MDA	1980-1 617 (700-1)		NA	
C CIRCLING	1980-1 617 (700-1)	2040-1 677 (700-1)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

ROCK RAPIDS, IOWA | AL-6571 (FAA) | 21056

WAAS CH 40044 W34A	APP CRS 347°	Rwy ldg 2797 TDZE 1363 Apt Elev 1363

RNAV (GPS) RWY 34
ROCK RAPIDS MUNI (RRQ)

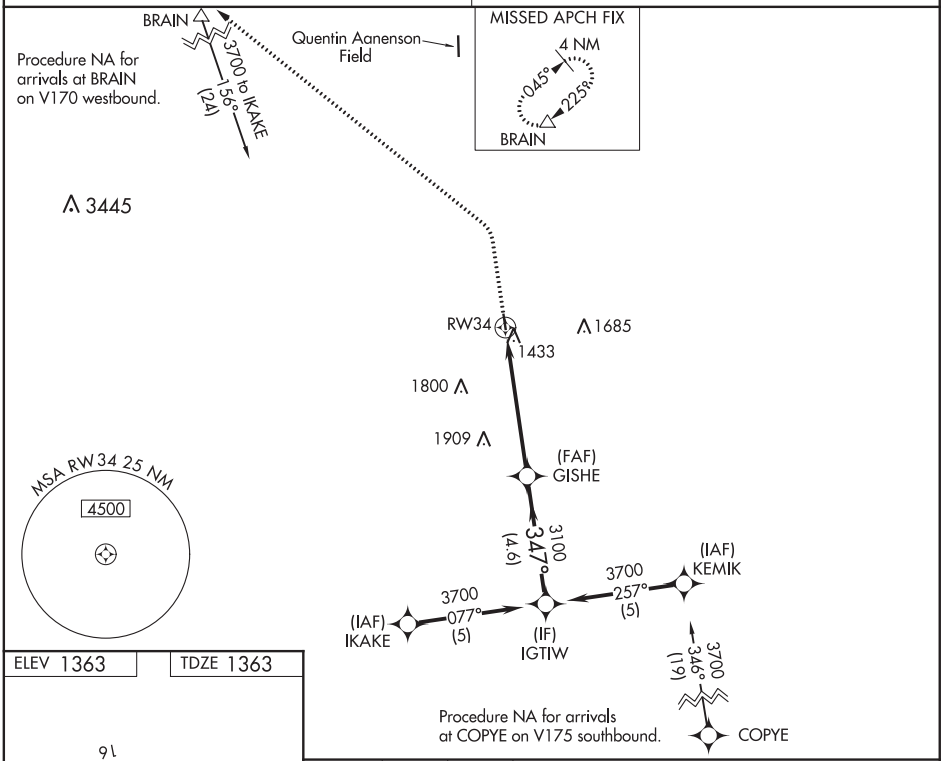
RNP APCH.

NA — Procedure NA at night. Rwy 34 helicopter visibility reduction below 1 SM NA. Use Sioux Falls, SD altimeter setting.

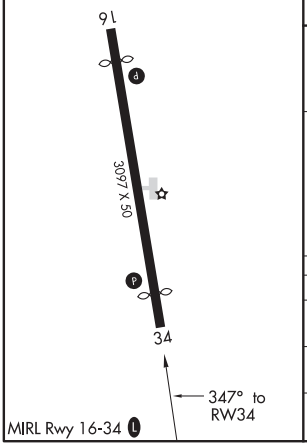
MISSED APPROACH: Climb to 2200 then climbing left turn to 3700 direct BRAIN and hold.

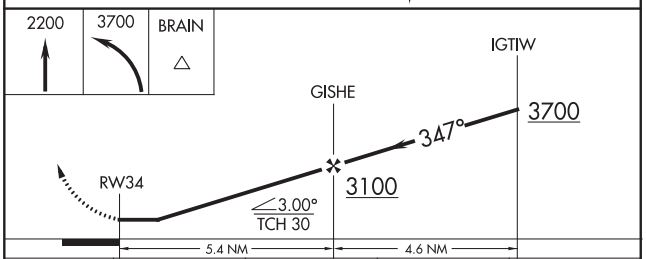
SIOUX FALLS APP CON ★ 126.9 284.725

UNICOM 122.8 (CTAF) L



ELEV 1363 | TDZE 1363





CATEGORY	A	B	C	D
LP MDA	1960-1 597 (600-1)		NA	
LNAV MDA	1960-1 597 (600-1)		NA	
C CIRCLING	1960-1 597 (600-1)	2040-1 677 (700-1)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

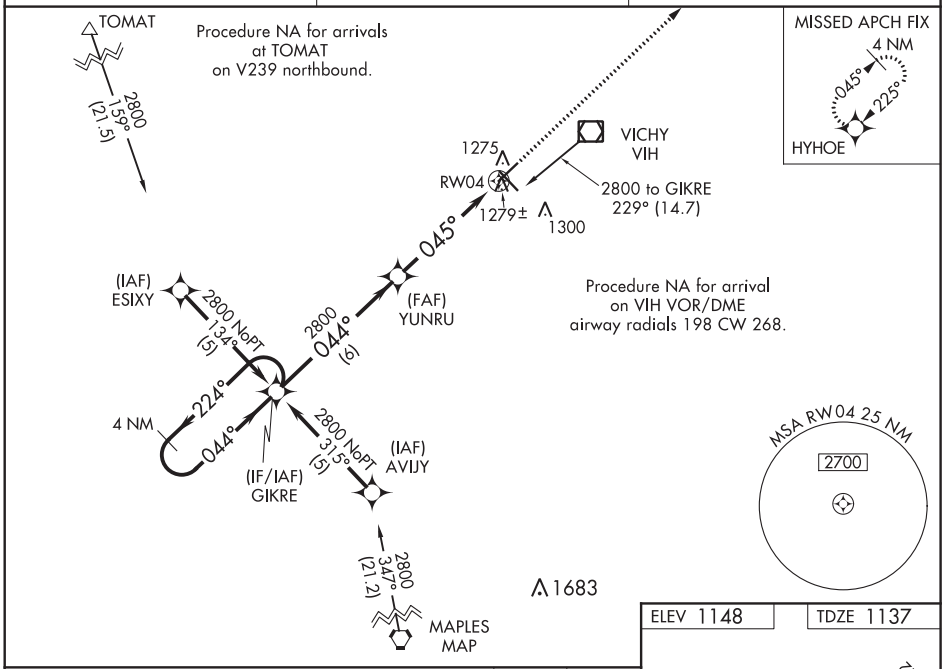
WAAS CH 78119 W04A	APP CRS 045°	Rwy ldg 5287 TDZE 1137 Apt Elev 1148

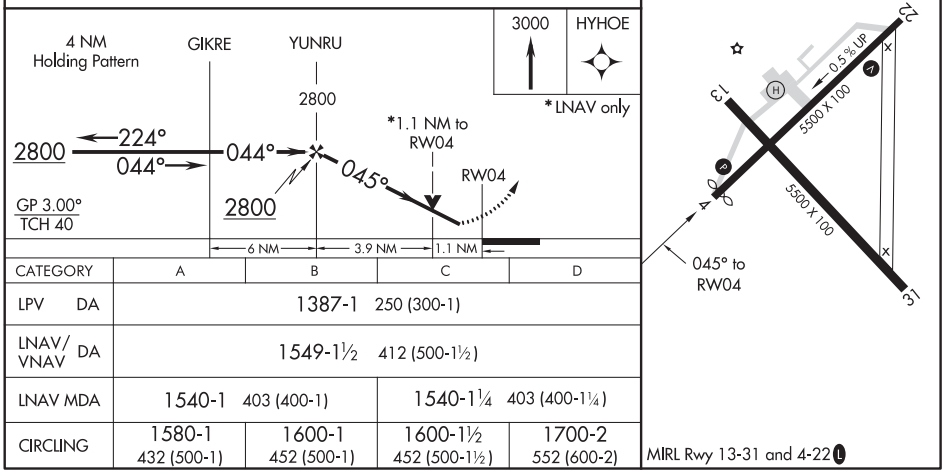
RNAV (GPS) RWY 4
ROLLA NATIONAL (VIH)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 46°C (114°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Fort Leonard Wood altimeter setting and increase all DA 69 feet and all MDA 80 feet, increase LPV and LNAV/VNAV all Cats visibility, and LNAV Cat D visibility ¼ mile. Baro-VNAV and VDP NA with Fort Leonard Wood altimeter setting.

MISSED APPROACH: Climb to 3000 direct HYHOE and hold.

ASOS	KANSAS CITY CENTER	UNICOM
119.025	128.35 284.675	123.0 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1387-1 250 (300-1)			
LNAV/VNAV DA	1549-1½ 412 (500-1½)			
LNAV MDA	1540-1 403 (400-1)		1540-1¼ 403 (400-1¼)	
CIRCLING	1580-1 432 (500-1)	1600-1 452 (500-1)	1600-1½ 452 (500-1½)	1700-2 552 (600-2)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 72719 W22A	APP CRS 225°	Rwy ldg 5500 TDZE 1117 Apt Elev 1148

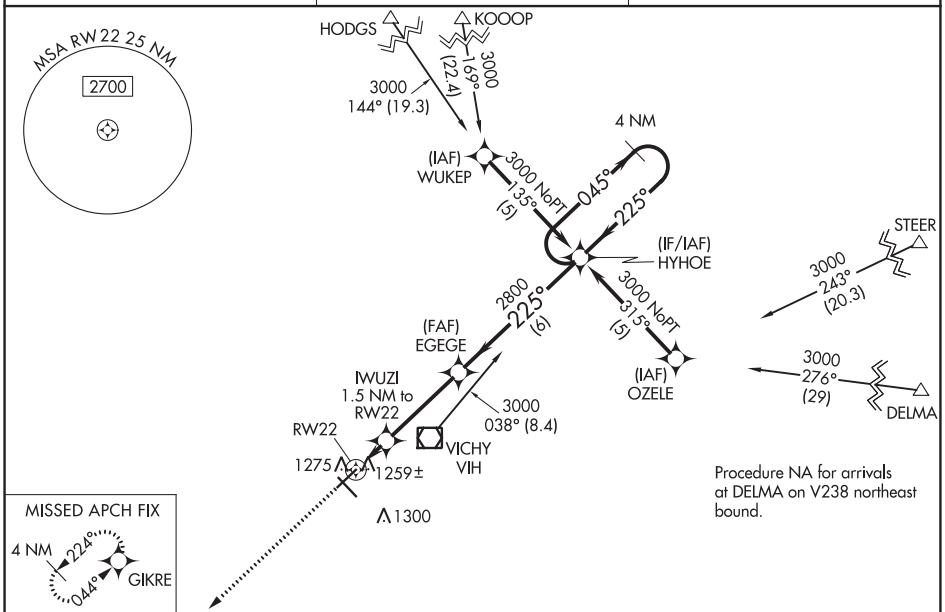
RNAV (GPS) RWY 22
ROLLA NATIONAL (VIH)

NA

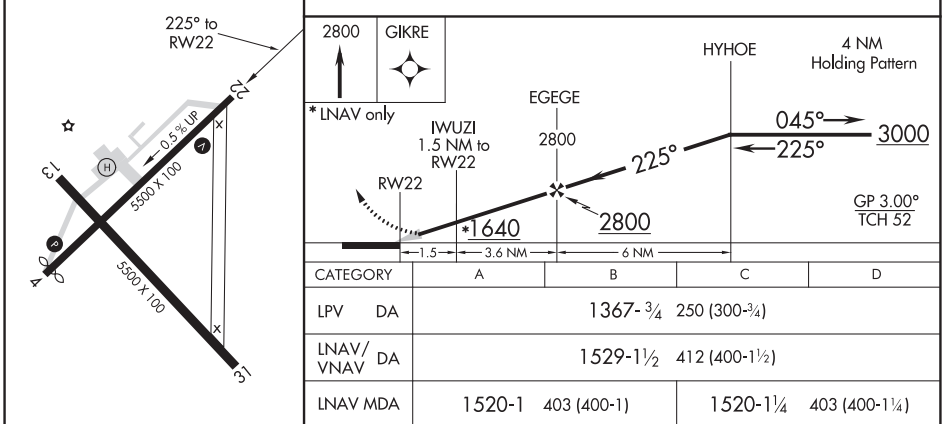
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 46°C (114°F).
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 2800 direct GIKRE and hold.

ASOS	KANSAS CITY CENTER	UNICOM
119.025	128.35 284.675	123.0 (CTAF) L



ELEV 1148	TDZE 1117



CATEGORY	A	B	C	D
LPV DA	1367-¾ 250 (300-¾)			
LNAV/VNAV DA	1529-1½ 412 (400-1½)			
LNAV MDA	1520-1 403 (400-1)		1520-1¼ 403 (400-1¼)	
CIRCLING	1700-1 552 (600-1)		1700-1½ 552 (600-1½)	1700-2 552 (600-2)

MIRL Rwy 13-31 and 4-22 L

NC-3, 25 FEB 2021 to 22 APR 2021

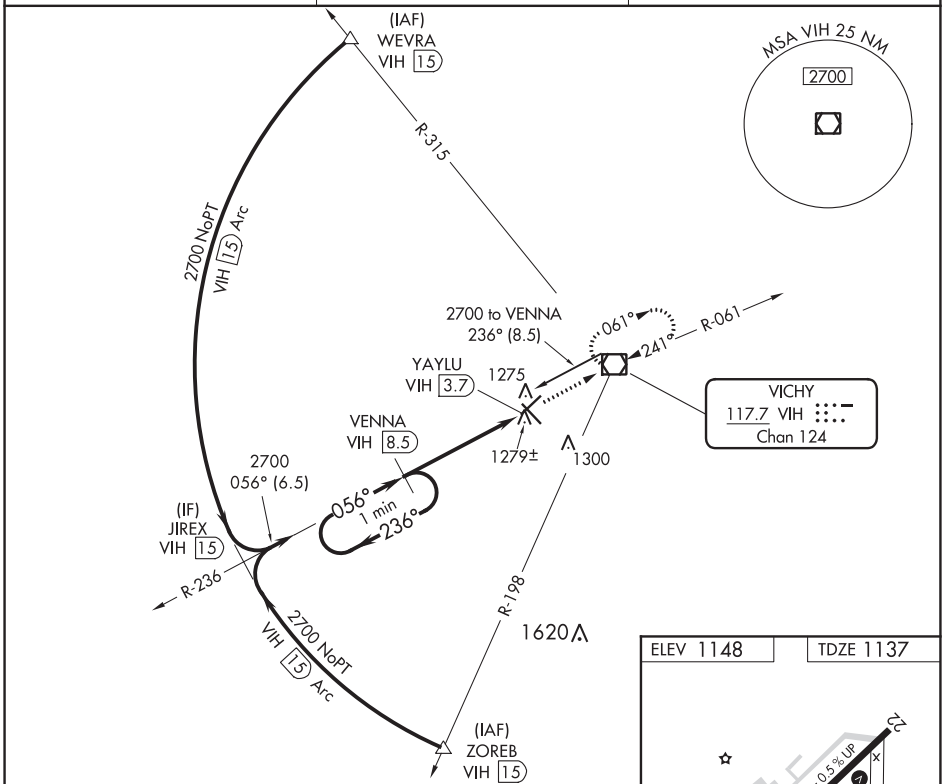
VOR/DME VIH 117.7 Chan 124	APP CRS 056°	Rwy ldg 5287 TDZE 1137 Apt Elev 1148

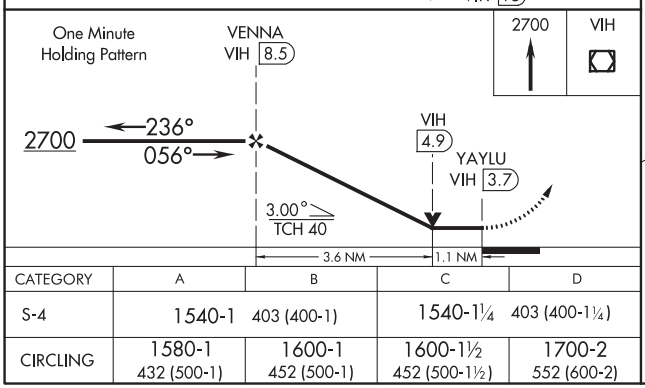
VOR/DME RWY 4
ROLLA NATIONAL (VIH)

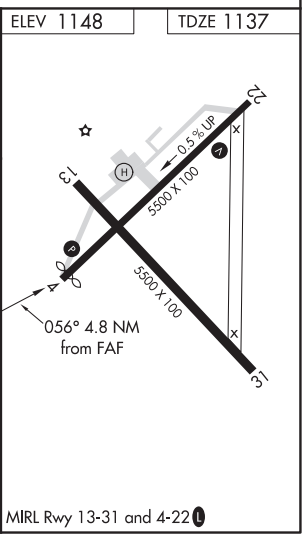
Visibility reduction by helicopters NA. When local altimeter setting not received, use Fort Leonard Wood altimeter setting and increase all MDA 80 feet, increase S-4 Cat D visibility ¼ mile. VDP NA with Fort Leonard Wood altimeter setting.

MISSED APPROACH: Climb to 2700 direct VIH VOR/DME and hold.

ASOS	KANSAS CITY CENTER	UNICOM
119.025	128.35 284.675	123.0 (CTAF) L







CATEGORY	A	B	C	D
S-4	1540-1 403 (400-1)		1540-1¼ 403 (400-1¼)	
CIRCLING	1580-1 432 (500-1)	1600-1 452 (500-1)	1600-1½ 452 (500-1½)	1700-2 552 (600-2)

MIRL Rwy 13-31 and 4-22 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

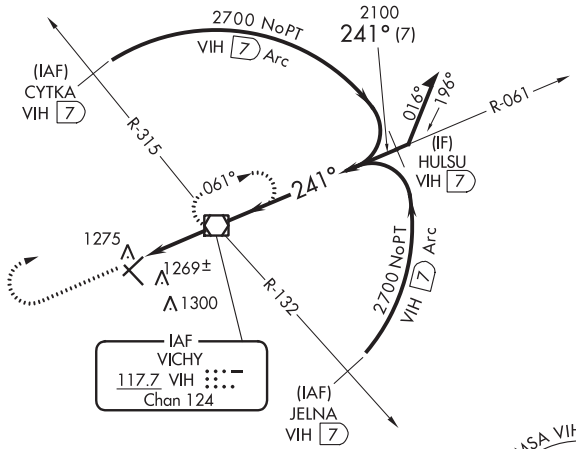
VOR/DME VIH 117.7 Chan 124	APP CRS 241°	Rwy ldg 5500 TDZE 1117 Apt Elev 1148

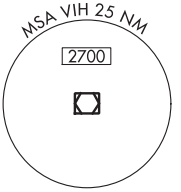
VOR RWY 22
ROLLA NATIONAL (VIH)

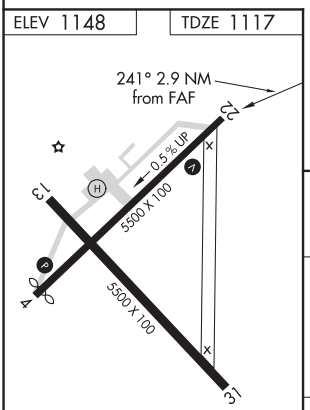
When local altimeter setting not received, use Fort Leonard Wood altimeter setting and increase all MDA 80 feet, increase S-22 Cat D visibility ¼ mile. VDP NA with Fort Leonard Wood altimeter setting.

MISSED APPROACH: Climb to 2700 then right turn direct VIH VOR/DME and hold.

ASOS	KANSAS CITY CENTER	UNICOM
119.025	128.35 284.675	123.0 (CTAF) L

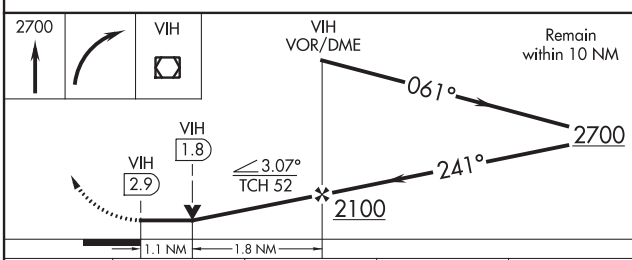






MIRL Rwy 13-31 and 4-22 L

FAF to MAP 2.9 NM					
Knots	60	90	120	150	180
Min:Sec	2:54	1:56	1:27	1:10	0:58



CATEGORY	A	B	C	D
S-22	1520-1 403 (400-1)		1520-1¼ 403 (400-1¼)	
CIRCLING	1580-1 432 (500-1)	1600-1 452 (500-1)	1600-1½ 452 (500-1½)	1700-2 552 (600-2)

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 49128 W18A	APP CRS 177°	Rwy ldg 4100 TDZE 1246 Apt Elev 1250

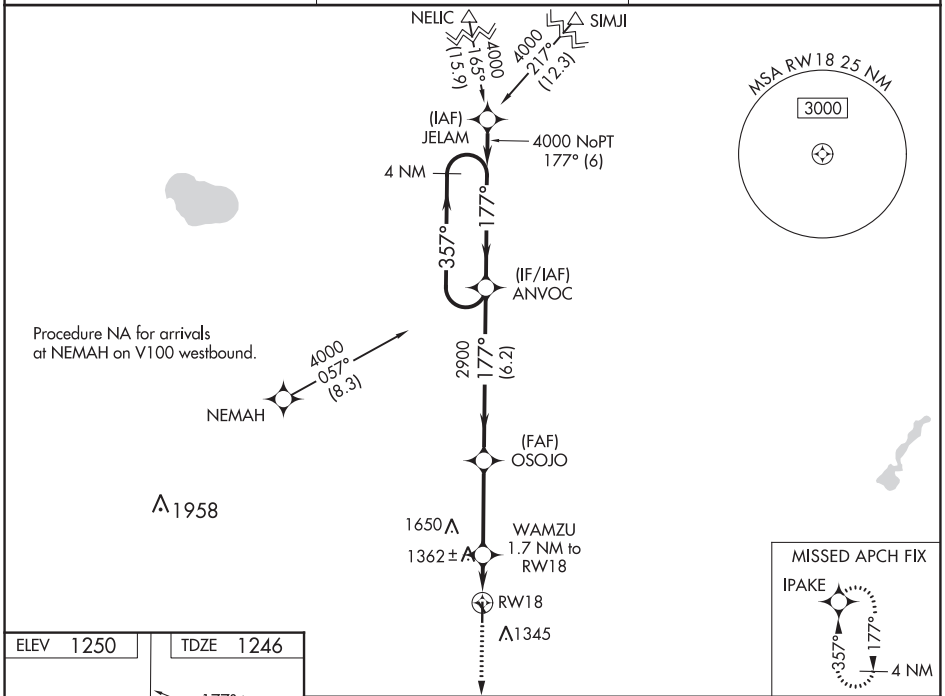
RNAV (GPS) RWY 18
SAC CITY MUNI (SKI)

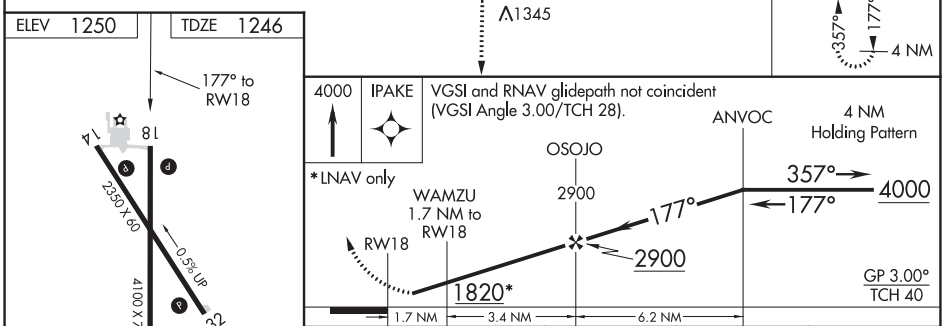
T NA

Night landing: Rwy 14 NA. Baro-VNAV NA. DME/DME RNP-0.3 NA. Helicopter visibility reduction below ¾ SM NA. Use Carroll altimeter setting; when not received, use Denison altimeter setting and increase all DA 15 feet and all MDA 20 feet. Increase LPV and LNAV/VNAV visibility ⅛ mile all Cats.

MISSED APPROACH: Climb to 4000 direct IPAKE and hold.

CIN AWOS-3	MINNEAPOLIS CENTER	UNICOM
118.025	134.0 288.3	122.8 (CTAF) L





REIL Rwy 36 L
MIRL Rwys 14-32 and 18-36 L

CATEGORY		A	B	C	D
LPV	DA	1553-1	307 (400-1)	NA	
LNAV/VNAV	DA	1553-1	307 (400-1)	NA	
LNAV MDA		1680-1	434 (500-1)	NA	
CIRCLING		1740-1	490 (500-1)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

SAC CITY, IOWA | AL-6143 (FAA) | 21056

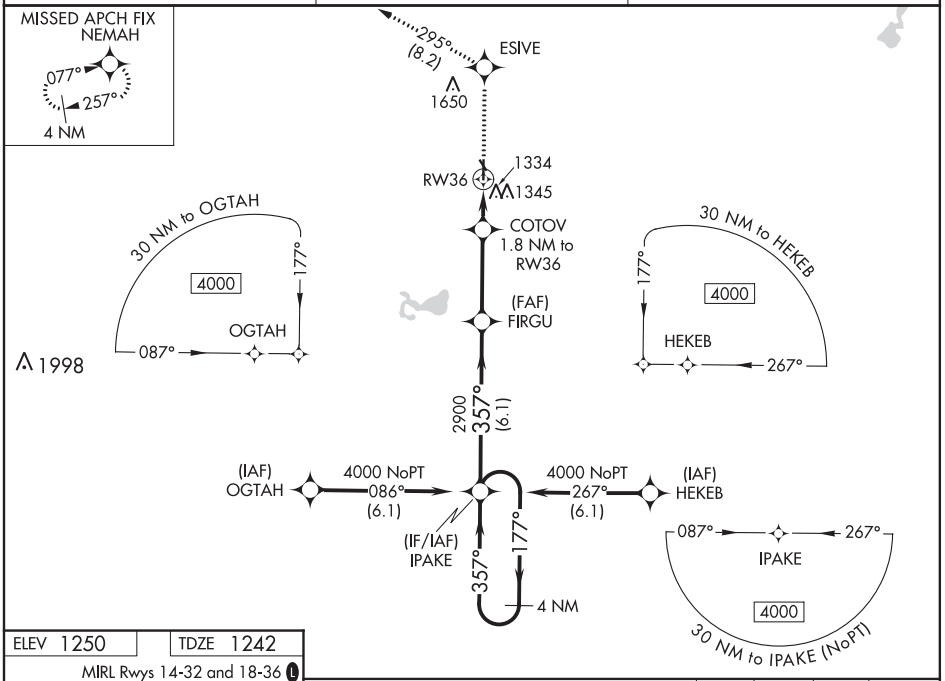
RNAV (GPS) RWY 36
SAC CITY MUNI (SKI)

WAAS	APP CRS	Rwy ldg	4100
CH 58228	357°	TDZE	1242
W36A		Apt Elev	1250

T NA Night landing: Rwy 14 NA. Baro-VNAV NA. DME/DME RNP-0.3 NA. Use Carroll altimeter setting; when not received, use Denison altimeter setting and increase all DA 15 feet and all MDA 20 feet, increase LNAV/VNAV visibility ⅛ mile all Cats.

MISSED APPROACH: Climb to 4000 direct ESIVE and on track 295° to NEMAH and hold.

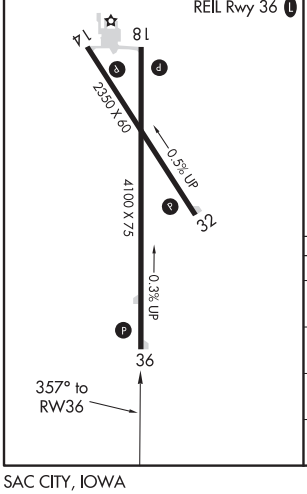
CIN AWOS-3	MINNEAPOLIS CENTER	UNICOM
118.025	134.0 288.3	122.8 (CTAF) L



ELEV 1250 | TDZE 1242

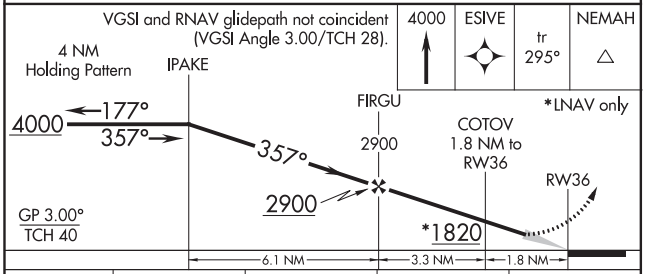
MIRL Rwys 14-32 and 18-36 L

REIL Rwy 36 L



VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 28).

4000	ESIVE	tr 295°	NEMAH



CATEGORY		A	B	C	D
LPV	DA	1499-1	257 (300-1)	NA	
LNAV/VNAV	DA	1549-1	307 (300-1)	NA	
LNAV MDA		1660-1	418 (500-1)	NA	
CIRCLING		1740-1	490 (500-1)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

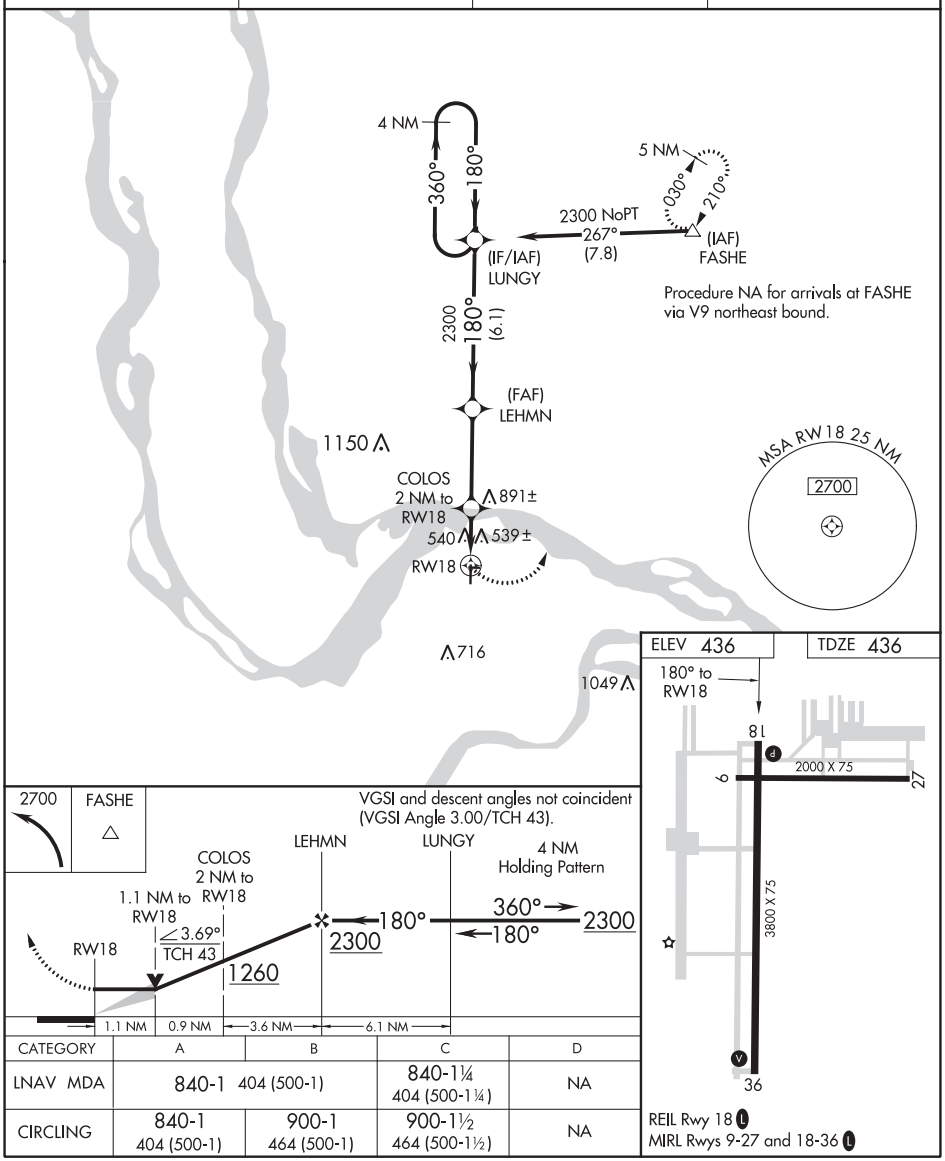
APP CRS	Rwy ldg	3800
180°	TDZE	436
	Apt Elev	436

RNAV (GPS) RWY 18
ST CHARLES COUNTY SMARTT (SET)

DME/DME RNP-0.3 NA.
If local altimeter setting not received, use St Louis Lambert Intl altimeter setting and increase all MDAs 60 feet.
VDP NA with St Louis Lambert Intl altimeter setting.

MISSED APPROACH: Climbing left turn to 2700 direct FASHE and hold.

ASOS	ST. LOUIS APP CON	CLNC DEL	UNICOM
118.075	124.2 353.9	121.6	122.7 (CTAF) L



CATEGORY	A	B	C	D
LNAV MDA	840-1 404 (500-1)		840-1¼ 404 (500-1¼)	NA
CIRCLING	840-1 404 (500-1)	900-1 464 (500-1)	900-1½ 464 (500-1½)	NA

REIL Rwy 18 L
MIRL Rwys 9-27 and 18-36 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

ST. CHARLES, MISSOURI

AL-6100 (FAA)

17285

VOR RWY 18

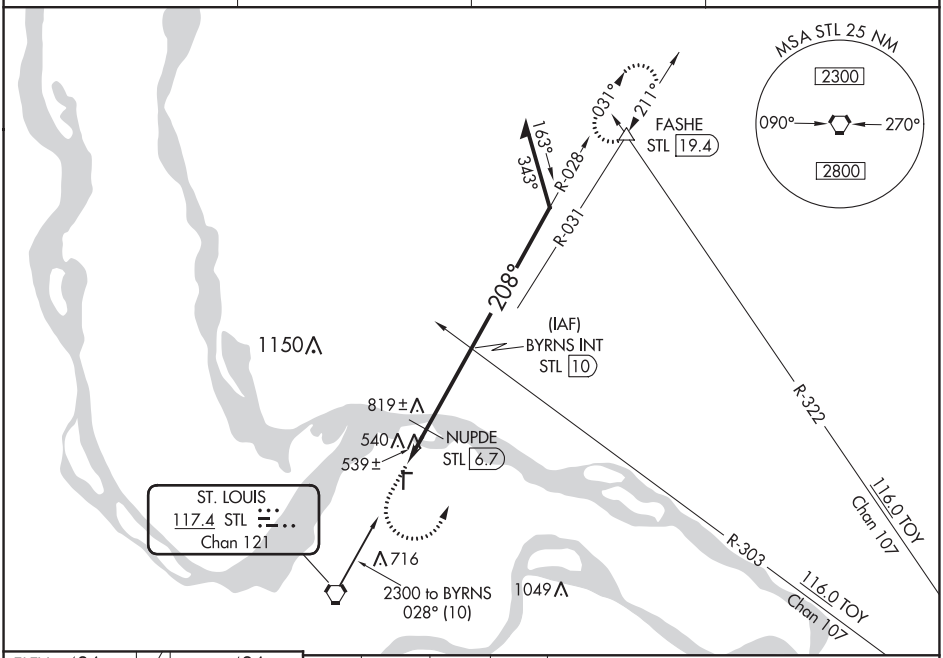
ST CHARLES COUNTY SMARTT (SET)

VORTAC STL	APP CRS	Rwy ldg	3800
117.4	208°	TDZE	436
Chan 121		Apt Elev	436

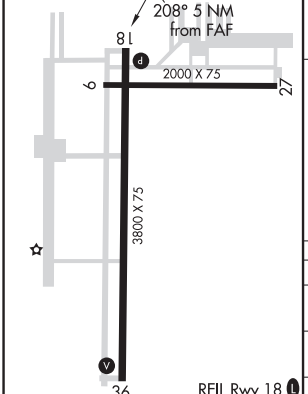
If local altimeter setting not received, use St Louis Lambert Intl altimeter setting and increase all MDAs 60 feet. Straight-in minimums NA with St Louis Lambert Intl altimeter setting.

MISSED APPROACH: Climb to 1000 then climbing left turn to 2700 via heading 360° and STL R-031 to FASHE INT/19.4 DME and hold.

ASOS	ST. LOUIS APP CON	CLNC DEL	UNICOM
118.075	124.2 353.9	121.6	122.7 (CTAF) L



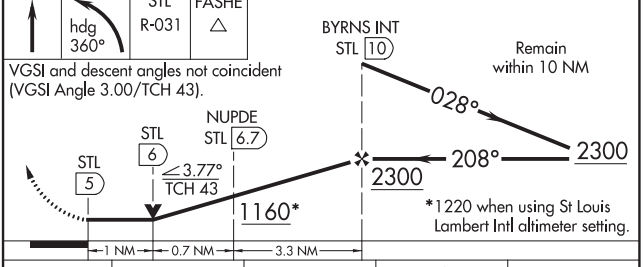
ELEV 436 | TDZE 436



REIL Rwy 18 L

MIRL Rwys 9-27 and 18-36 L

FAF to MAP 5 NM					
Knots	60	90	120	150	180
Min:Sec	5:00	3:20	2:30	2:00	1:40



VGSI and descent angles not coincident (VGSI Angle 3.00/TCH 43).

CATEGORY	A	B	C	D
S-18	1160-1 724 (800-1)		1160-2 724 (800-2)	NA
CIRCLING	1160-1 724 (800-1)		1160-2 724 (800-2)	NA
NUPDE FIX MINIMUMS				
S-18	800-1 364 (400-1)			NA
CIRCLING	840-1 404 (500-1)	900-1 464 (500-1)	900-1½ 464 (500-1½)	NA

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

LOC I-STJ	APP CRS	Rwy ldg	8061
110.3	356°	TDZE	815
		Apt Elev	827

ILS or LOC RWY 35
ROSECRANS MEMORIAL (STJ)

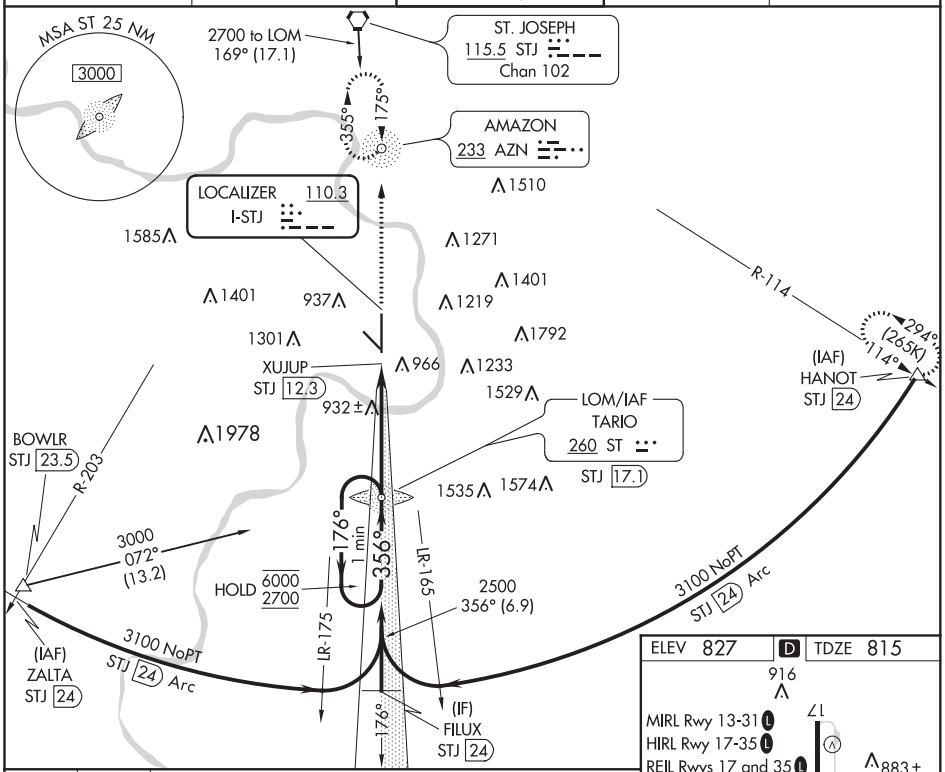
ADF or TACAN required.

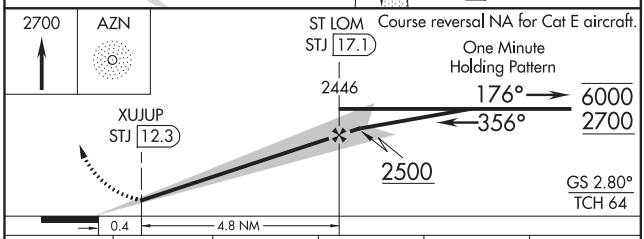
DME from STJ VORTAC, simultaneous reception of I-STJ and STJ DME required.

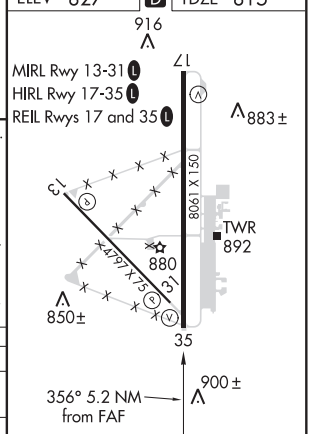
ASR/PAR

MISSED APPROACH: Climb to 2700 direct AZN NDB and hold. (TACAN aircraft climb to 2700 then climbing right turn to 3100 on STJ VORTAC R-114 to HANOT/24 DME and hold NW, LT, 114° inbound).

ATIS	ST. JOSEPH APP CON ★	ST. JOSEPH TOWER ★	GND CON	UNICOM
125.05	120.35 360.8	126.9(CTAF) L 239.0	121.9	122.95







CATEGORY	A	B	C	D	E
S-ILS 35	1015/40 200 (200-¾)				
S-LOC 35	1200/55 385 (400-1)		1200/60 385 (400-1¼)		
C CIRCLING	1400-1 573 (600-1)	1420-1 593 (600-1)	1620-2¼ 793 (800-2¼)	1640-2¾ 813 (900-2¾)	1760-3 933 (1000-3)

FAF to MAP 4.8 NM

Knots	60	90	120	150	180
Min:Sec	4:48	3:12	2:24	1:55	1:36

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

ST. JOSEPH, MISSOURI — AL-359 (FAA) — 19171

WAAS CH 57935 W13A	APP CRS 132°	Rwy ldg 4797 TDZE 811 Apt Elev 827

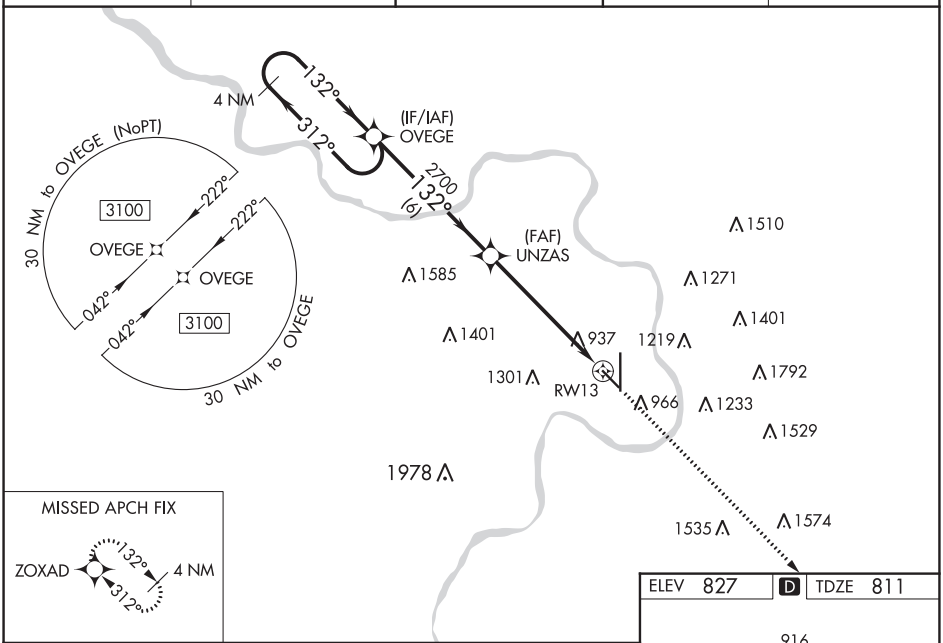
RNAV (GPS) RWY 13
ROSECRANS MEMORIAL (STJ)

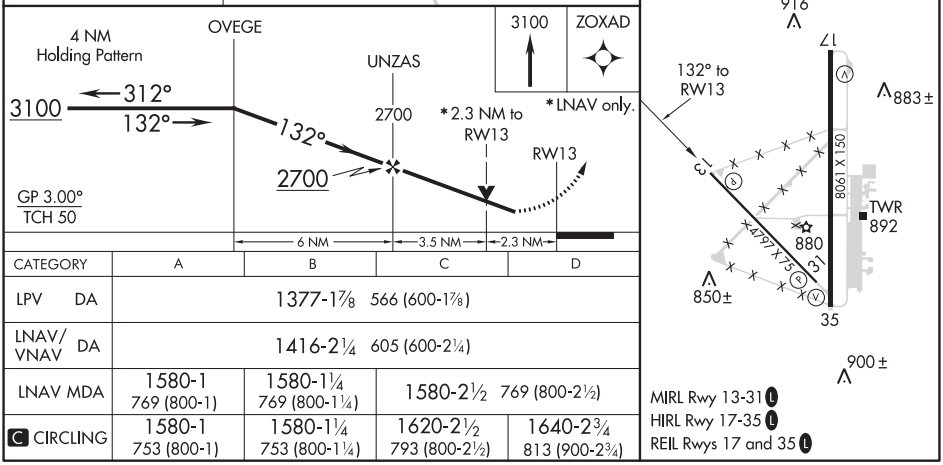
ASR/PAR

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -20°C (-4°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Straight-In minimums NA at night. Baro-VNAV and VDP NA when using Kansas City Intl altimeter setting. Helicopter visibility reduction below ¾ SM NA. When local altimeter setting not received, use Kansas City Intl altimeter setting and increase all DA 97 feet, and LPV visibility ⅜ mile all Cats, LNAV/VNAV visibility ¼ mile all Cats; increase all MDA 100 feet and Circling Cat C ½ mile, Cat D ¼ mile.

MISSED APPROACH: Climb to 3100 direct ZOXAD and hold.

ATIS	ST. JOSEPH APP CON ★	ST. JOSEPH TOWER ★	GND CON	UNICOM
125.05	120.35 360.8	126.9 (CTAF) L 239.0	121.9	122.95





CATEGORY	A	B	C	D
LPV DA	1377-1⅞ 566 (600-1⅞)			
LNAV/VNAV DA	1416-2¼ 605 (600-2¼)			
LNAV MDA	1580-1 769 (800-1)	1580-1¼ 769 (800-1¼)	1580-2½ 769 (800-2½)	
C CIRCLING	1580-1 753 (800-1)	1580-1¼ 753 (800-1¼)	1620-2½ 793 (800-2½)	1640-2¾ 813 (900-2¾)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 70535 W17A	APP CRS 176°	Rwy ldg 8061 TDZE 827 Apt Elev 827

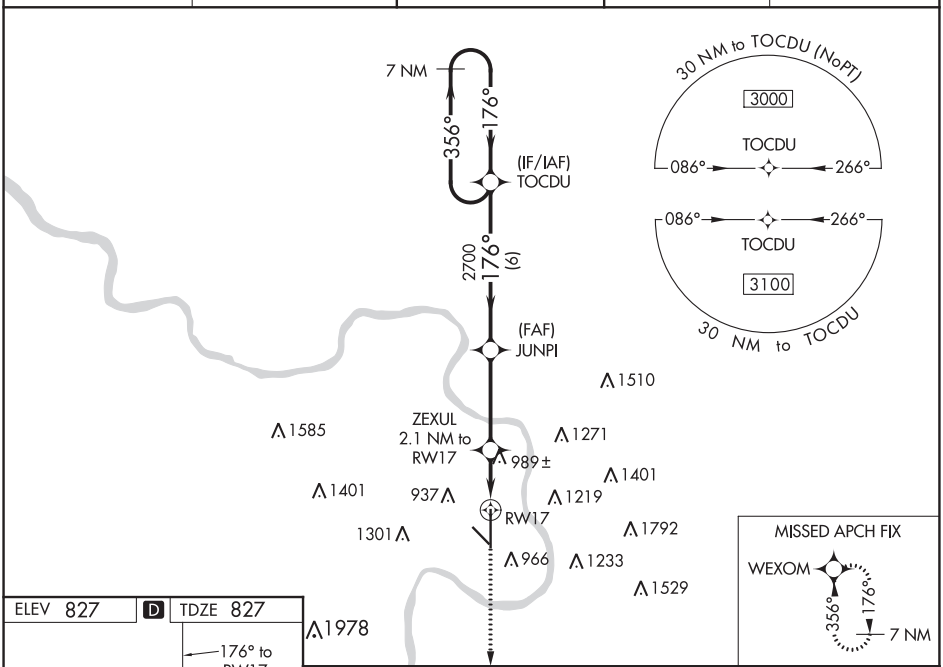
RNAV (GPS) RWY 17
ROSECRANS MEMORIAL (STJ)

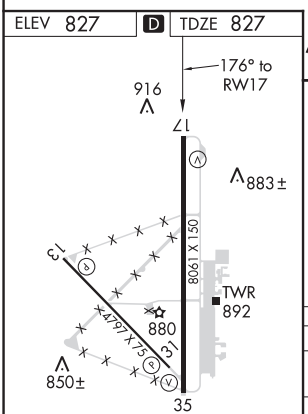
T A ASR/PAR

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -20°C (-4°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Helicopter visibility reduction below ¾ SM NA. Baro-VNAV and VDP NA when using Kansas City Intl altimeter setting. When local altimeter setting not received, use Kansas City Intl altimeter setting and increase all DA 97 feet, and LPV visibility ⅛ mile all Cats, LNAV/VNAV visibility ⅜ mile all Cats; increase all MDA 100 feet and LNAV Cat C/D/E visibility ¼ mile, Circling Cat C ½ mile, Cat D ¼ mile.

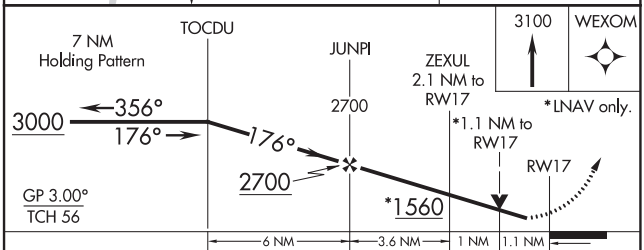
MISSED APPROACH: Climb to 3100 direct WEXOM and hold.

ATIS	ST. JOSEPH APP CON ★	ST. JOSEPH TOWER ★	GND CON	UNICOM
125.05	120.35 360.8	126.9 (CTAF) L 239.0	121.9	122.95





MIRL Rwy 13-31 L
HIRL Rwy 17-35 L
REIL Rwys 17 and 35 L



CATEGORY	A	B	C	D	E
LPV DA	1027-¾ 200 (200-¾)				
LNAV/VNAV DA	1077-¾ 250 (300-¾)				
LNAV MDA	1240-1 413 (500-1)		1240-1⅛ 413 (500-1⅛)		
C CIRCLING	1400-1 573 (600-1)	1420-1 593 (600-1)	1620-2¼ 793 (800-2¼)	1640-2¾ 813 (900-2¾)	1760-3 933 (1000-3)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

ST. JOSEPH, MISSOURI | AL-359 (FAA) | 19171

RNAV (GPS) RWY 31
ROSECRANS MEMORIAL (STJ)

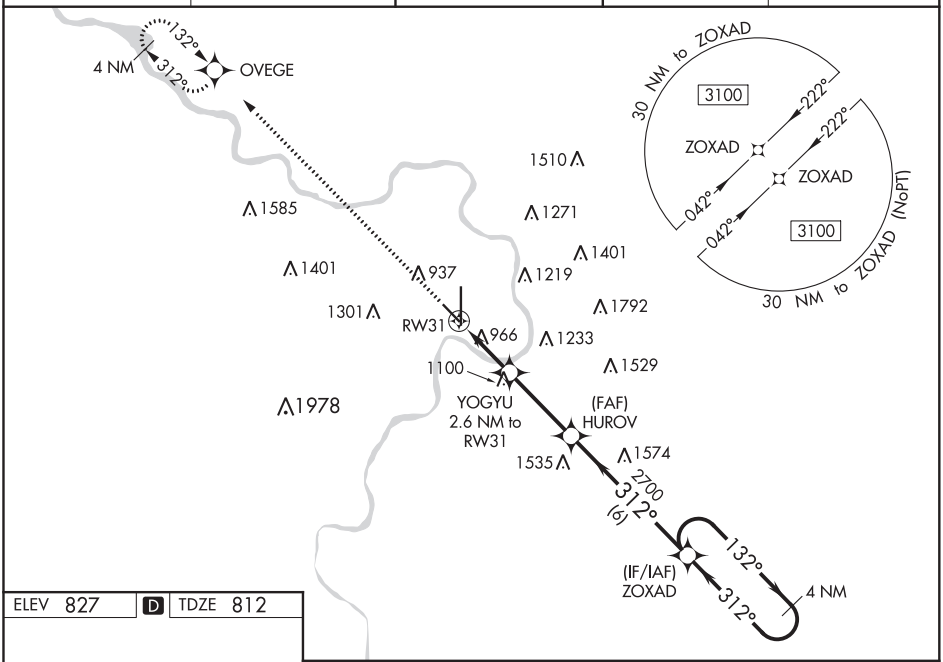
WAAS CH 65835 W31A	APP CRS 312°	Rwy ldg 4797 TDZE 812 Apt Elev 827

T A ASR/PAR

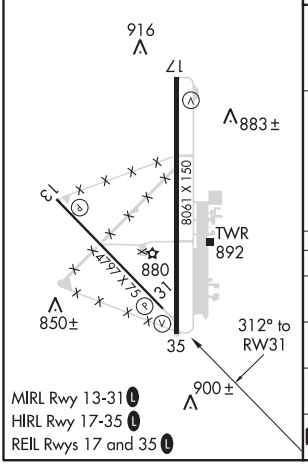
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -20°C (-4°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Baro-VNAV and VDP NA when using Kansas City Intl altimeter setting. Straight-In minimums NA at night. When local altimeter setting not received, use Kansas City Intl altimeter setting and increase all DA 97 feet and increase LPV visibility ⅛ mile and LNAV/VNAV visibility ⅜ mile all Cats; increase all MDA 100 feet and LNAV Cat C and D visibility ¼ mile, and Circling Cat C ½ mile, Cat D ¼ mile.

MISSED APPROACH: Climb to 3100 direct OVEGE and hold.

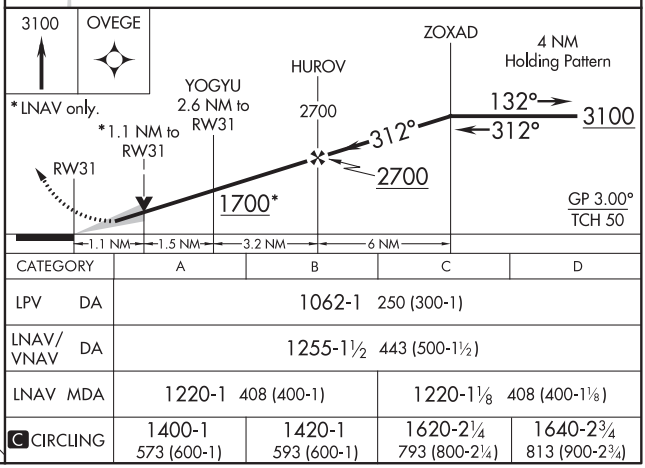
ATIS	ST. JOSEPH APP CON ★	ST. JOSEPH TOWER ★	GND CON	UNICOM
125.05	120.35 360.8	126.9 (CTAF) L 239.0	121.9	122.95



ELEV 827 | D | TDZE 812



MIRL Rwy 13-31 L
HIRL Rwy 17-35 L
REIL Rwys 17 and 35 L



CATEGORY	A	B	C	D
LPV DA	1062-1 250 (300-1)			
LNAV/VNAV DA	1255-1½ 443 (500-1½)			
LNAV MDA	1220-1 408 (400-1)		1220-1⅛ 408 (400-1⅛)	
C CIRCLING	1400-1 573 (600-1)	1420-1 593 (600-1)	1620-2¼ 793 (800-2¼)	1640-2¾ 813 (900-2¾)

ST. JOSEPH, MISSOURI
Orig-B 05FEB15

39°46′N-94°55′W

ROSECRANS MEMORIAL (STJ)
RNAV (GPS) RWY 31

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 77819 W35A	APP CRS 356°	Rwy ldg 8061 TDZE 815 Apt Elev 827

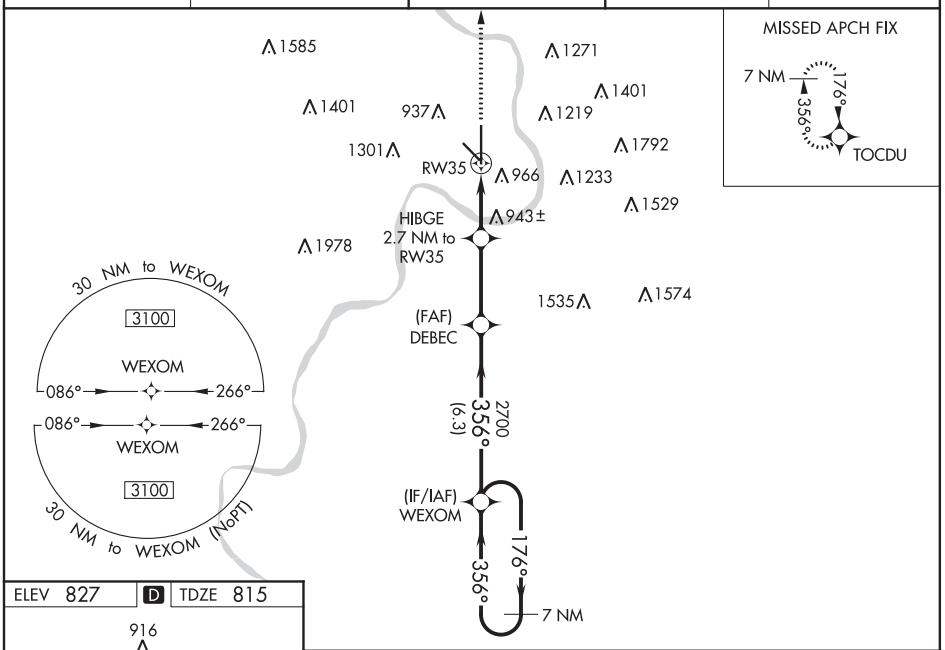
RNAV (GPS) RWY 35
ROSECRANS MEMORIAL (STJ)

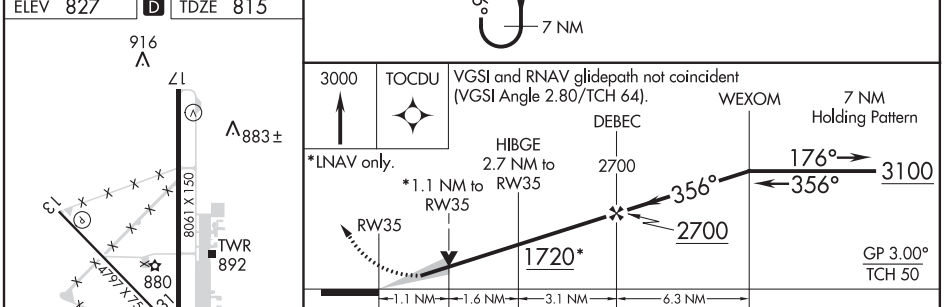
T A ASR/PAR

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -20°C (-4°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. VDP and Baro-VNAV NA when using Kansas City Intl altimeter setting. When local altimeter setting not received, use Kansas City Intl altimeter setting and increase all DA 97 feet and increase LPV all Cats visibility to RVR 5000, and LNAV/VNAV all Cats visibility to 1¼ mile; increase all MDA 100 feet, and increase LNAV Cat C/D/E visibility ¼ mile, and Circling Cat C ½ mile, Cat D ¼ mile.

MISSED APPROACH: Climb to 3000 direct TOCDU and hold.

ATIS	ST. JOSEPH APP CON ★	ST. JOSEPH TOWER ★	GND CON	UNICOM
125.05	120.35 360.8	126.9(CTAF) L 239.0	121.9	122.95





CATEGORY	A	B	C	D	E
LPV DA	1015/40 200 (200-¾)				
LNAV/VNAV DA	1096/45 281 (300-⅞)				
LNAV MDA	1200/55 385 (400-1)		1200/60 385 (400-1¼)		
C CIRCLING	1400-1 573 (600-1)	1420-1 593 (600-1)	1620-2¼ 793 (800-2¼)	1640-2¾ 813 (900-2¾)	1760-3 933 (1000-3)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

LOC I-STJ 110.3	APP CRS 176°	Rwy ldg 8061 TDZE 827 Apt Elev 827

LOC BC RWY 17
ROSECRANS MEMORIAL (STJ)

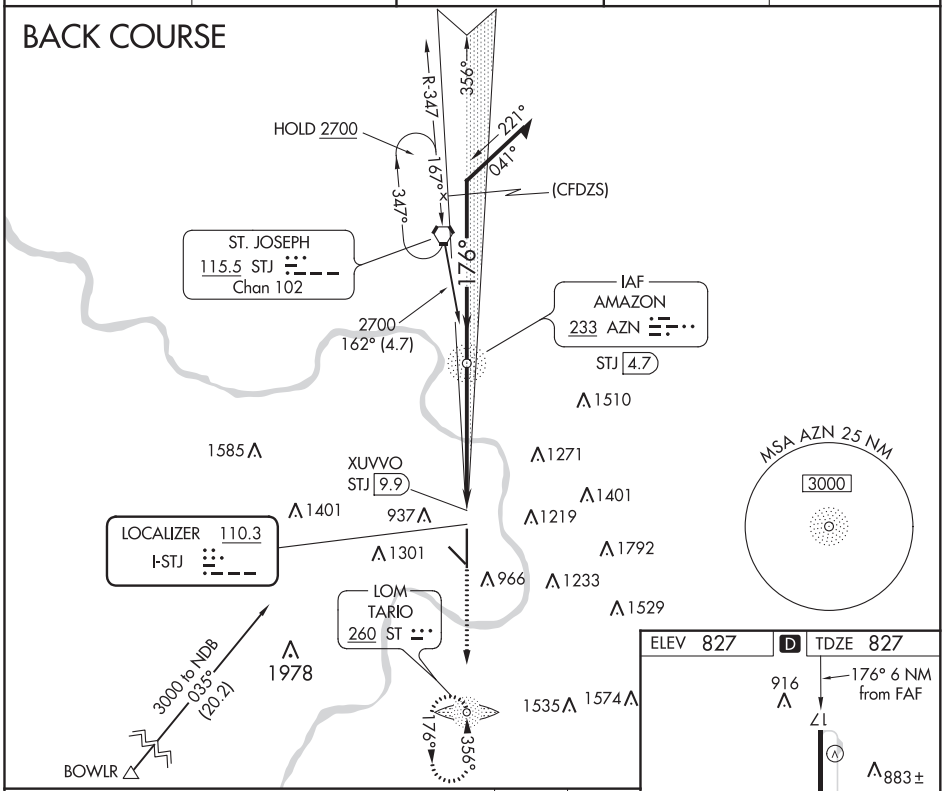
ADF required.

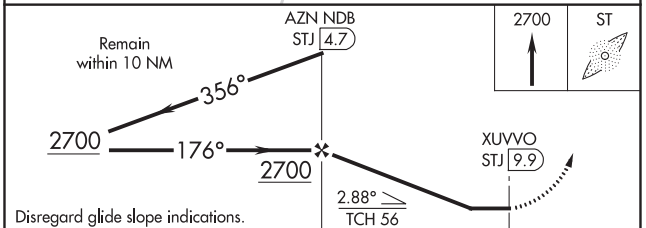
ASR/PAR

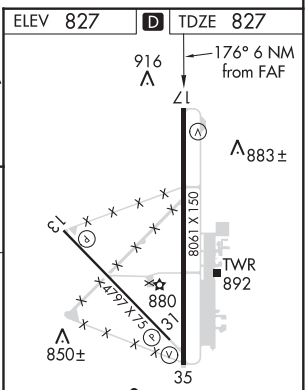
DME from STJ VORTAC, simultaneous reception of I-STJ and STJ DME required.

MISSED APPROACH: Climb to 2700 direct ST LOM and hold.

ATIS	ST. JOSEPH APP CON ★	ST. JOSEPH TOWER ★	GND CON	UNICOM
125.05	120.35 360.8	126.9 (CTAF) L 239.0	121.9	122.95







MIRL Rwy 13-31 L
HIRL Rwy 17-35 L
REIL Rwys 17 and 35 L

CATEGORY	A	B	C	D
S-17	1280-1 453 (500-1)		1280-1⅜ 453 (500-1⅜)	
C CIRCLING	1400-1 573 (600-1)	1420-1 593 (600-1)	1620-2¼ 793 (800-2¼)	1640-2¾ 813 (900-2¾)

FAF to MAP 5.3 NM					
Knots	60	90	120	150	180
Min:Sec	5:18	3:32	2:39	2:07	1:46

NC-3, 25 FEB 2021 to 22 APR 2021

VORTAC STJ 115.5 Chan 102	APP CRS 167°	Rwy ldg 8061 TDZE 827 Apt Elev 827

VOR or TACAN RWY 17

ROSECRANS MEMORIAL (STJ)

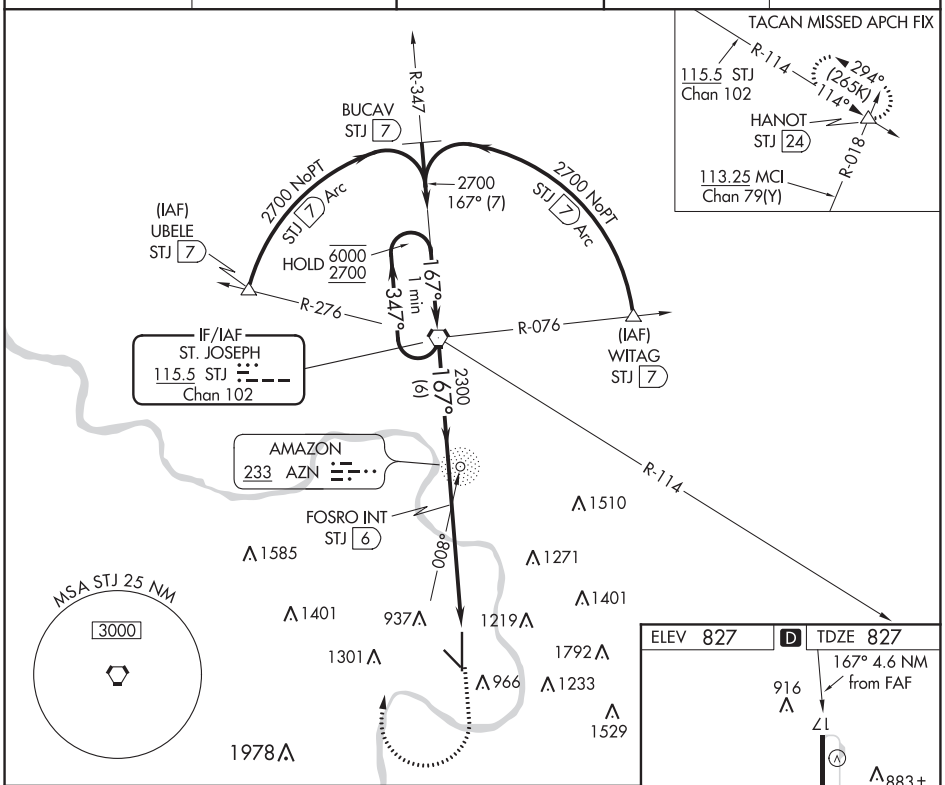
ADF or DME required.

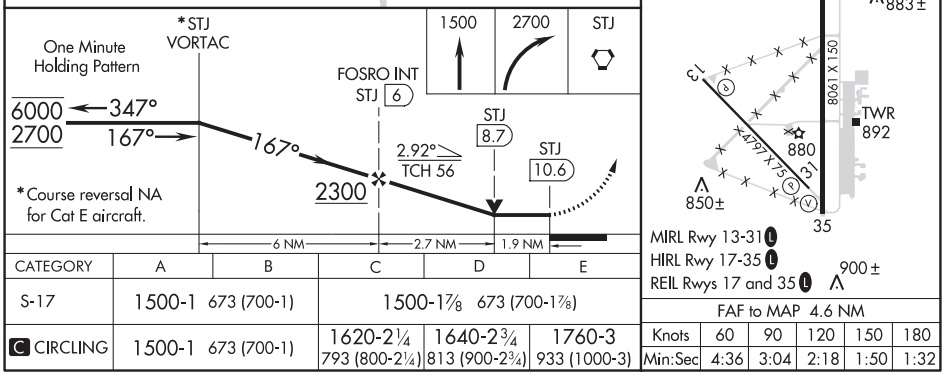
Missed approach to STJ VORTAC NA for Cat E aircraft.

ASR/PAR

MISSED APPROACH: Climb to 1500 then climbing right turn to 2700 direct STJ VORTAC and hold. (TACAN aircraft climb to 2300 then climbing left turn to 3100 direct HANOT INT/STJ 24 DME and hold NW, LT, 114° inbound, GPS required).

ATIS	ST. JOSEPH APP CON *	ST. JOSEPH TOWER *	GND CON	UNICOM
125.05	120.35 360.8	126.9 (CTAF) L 239.0	121.9	122.95





CATEGORY	A	B	C	D	E
S-17	1500-1 673 (700-1)		1500-1⅞ 673 (700-1⅞)		
C CIRCLING	1500-1 673 (700-1)		1620-2¼ 793 (800-2¼)	1640-2¾ 813 (900-2¾)	1760-3 933 (1000-3)

FAF to MAP 4.6 NM					
Knots	60	90	120	150	180
Min:Sec	4:36	3:04	2:18	1:50	1:32

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

ST. JOSEPH, MISSOURI — AL-359 (FAA) — 20086

VOR or TACAN RWY 35
ROSECRANS MEMORIAL (STJ)

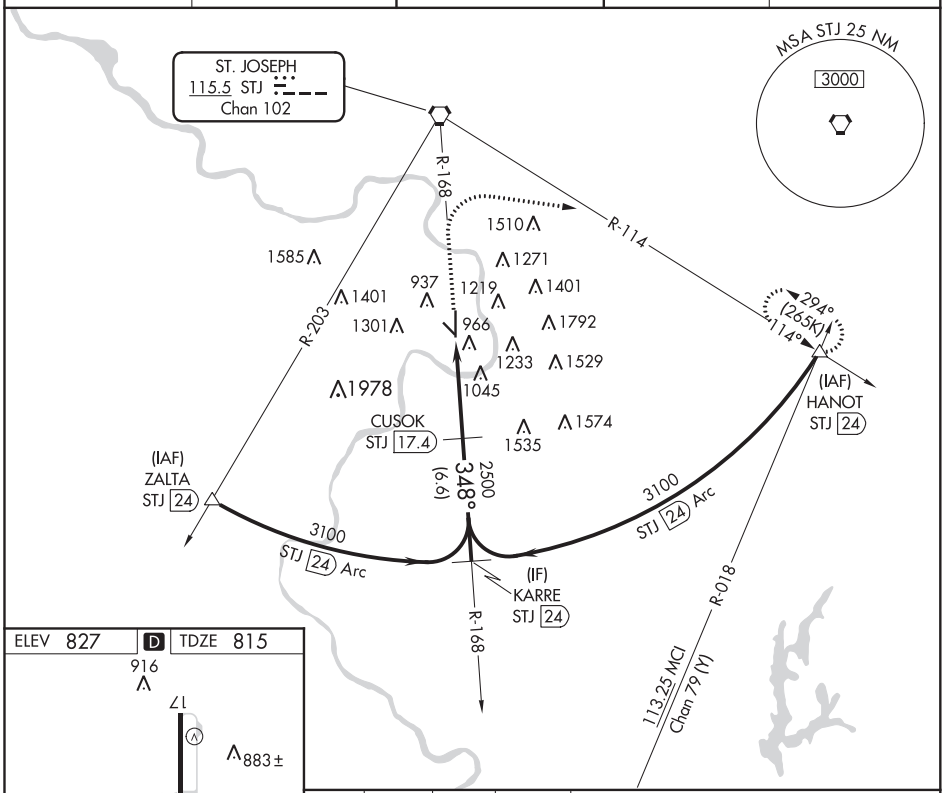
STJ VORTAC	APP CRS	Rwy ldg	8061
115.5	348°	TDZE	815
Chan 102		Apt Elev	827

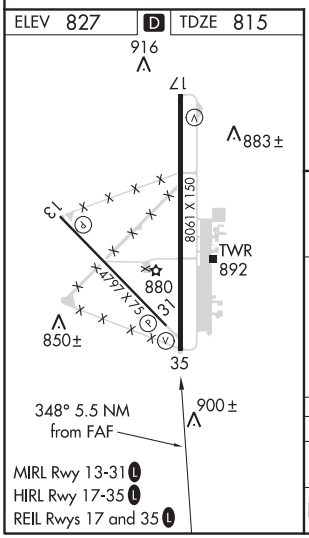
DME required.

T
A
ASR/PAR

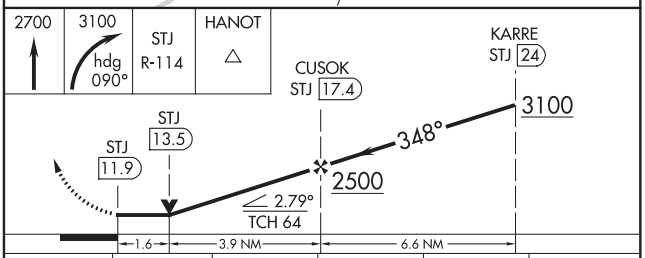
MISSED APPROACH: Climb to 2700 then climbing right turn to 3100 on heading 090° and STJ VORTAC R-114 to HANOT/24 DME and hold.

ATIS	ST. JOSEPH APP CON ★	ST. JOSEPH TOWER ★	GND CON	UNICOM
125.05	120.35 360.8	126.9 (CTAF) L 239.0	121.9	122.95





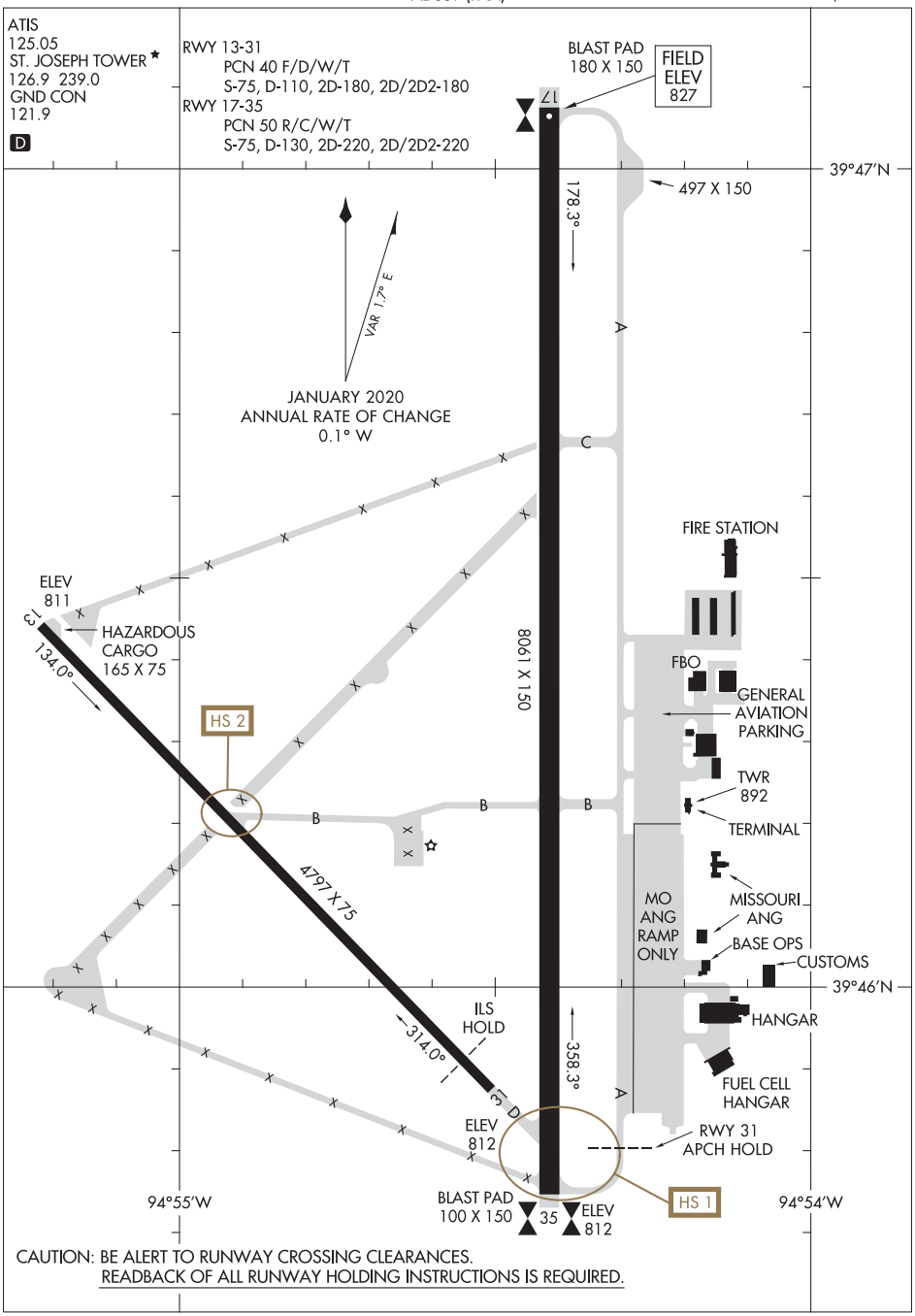
MIRL Rwy 13-31 L
HIRL Rwy 17-35 L
REIL Rwys 17 and 35 L



CATEGORY	A	B	C	D	E
S-35	1360/55	545 (600-1)	1360-1⅝ 545 (600-1⅝)	1360-1¾ 545 (600-1¾)	1360-2 545 (600-2)
C CIRCLING	1400-1 573 (600-1)	1420-1 593 (600-1)	1620-2¼ 793 (800-2¼)	1640-2¾ 813 (900-2¾)	1760-3 933 (1000-3)

NC-3, 25 FEB 2021 to 22 APR 2021

AL-359 (FAA)



CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.
READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.

NC-3, 25 FEB 2021 to 22 APR 2021

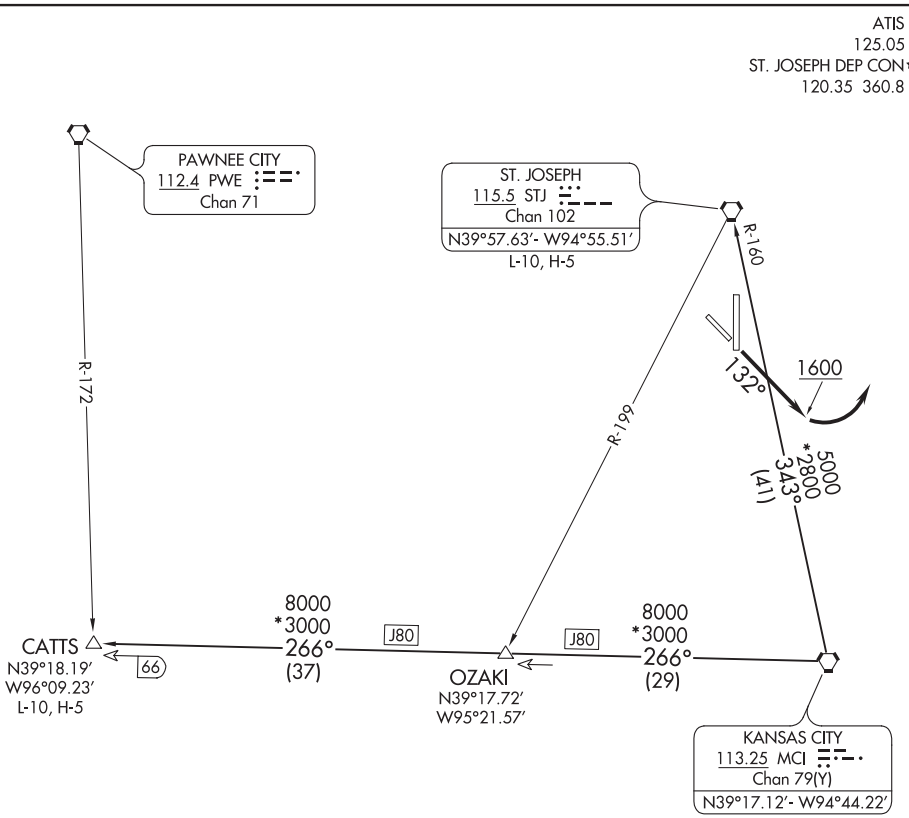
NC-3, 25 FEB 2021 to 22 APR 2021

(CHIEF7.MCI) 20086

CHIEF SEVEN DEPARTURE

AL-359 (FAA)

ROSECRANS MEMORIAL (STJ)
ST. JOSEPH, MISSOURI



NOTE: RADAR required.

TAKEOFF MINIMUMS
Rwys 13, 17, 35: Standard.
Rwy 31: 400-2¼ or standard with minimum climb of 340′ per NM to 1300.

NOTE: Chart not to scale

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 13: Climb heading 132° to 1600 before turning left, thence. . . .

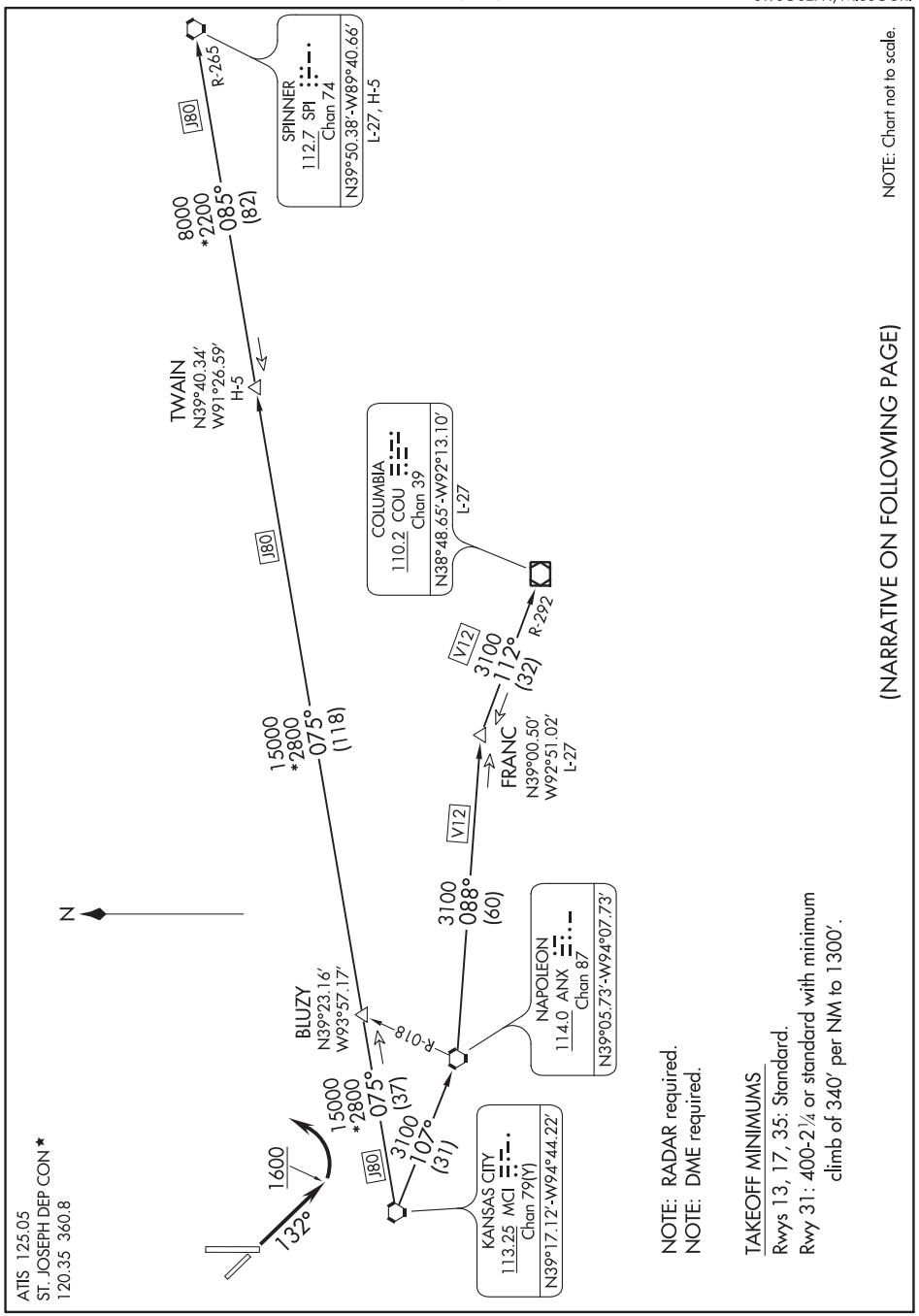
. . . .climb on assigned heading for RADAR vectors to appropriate route. Expect filed altitude 10 minutes after departure.

TAKEOFF ALL OTHER RUNWAYS: Climb on assigned heading for RADAR vectors to appropriate route. Expect filed altitude 10 minutes after departure.

CATTS TRANSITION (CHIEF7.CATTS): From over MCI VORTAC on MCI R-266 to CATTS INT.

ST. JOSEPH TRANSITION (CHIEF7.STJ): From over MCI VORTAC on MCI R-343 and STJ R-160 to STJ VORTAC.

NC-3, 25 FEB 2021 to 22 APR 2021


ATIS 125.05
ST. JOSEPH DEP CON*
120.35 360.8
132°
1600
N
J80
15000
*2800
075°
(37)
3100
107°
(31)
KANSAS CITY
113.25 MCI
Chan 79(Y)
N39°17.12'-W94°44.22'
BLUZY
N39°23.16'
W93°57.17'
R-018
15000
*2800
075°
(118)
3100
088°
(60)
NAPOLEON
114.0 ANX
Chan 87
N39°05.73'-W94°07.73'
V12
FRANC
N39°00.50'
W92°51.02'
L-27
3100
112°
(32)
R-292
COLUMBIA
110.2 COU
Chan 39
N38°48.65'-W92°13.10'
L-27
TWAIN
N39°40.34'
W91°26.59'
H-5
J80
8000
*2200
085°
(82)
R-265
SPINNER
112.7 SPI
Chan 74
N39°50.38'-W89°40.66'
L-27, H-5
NOTE: Chart not to scale.
(NARRATIVE ON FOLLOWING PAGE)
NOTE: RADAR required.
NOTE: DME required.
TAKEOFF MINIMUMS
Rwys 13, 17, 35: Standard.
Rwy 31: 400-2¼ or standard with minimum climb of 340' per NM to 1300'.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 13: Climb heading 132° to 1600 before turning left, thence. . . .

. . . .climb on assigned heading for RADAR vectors to appropriate route. Expect filed altitude 10 minutes after departure.

TAKEOFF RUNWAYS 17, 31, 35: Climb on assigned heading for RADAR vectors to appropriate route. Expect filed altitude 10 minutes after departure

COLUMBIA TRANSITION (LAKES3.COU): From over MCI VORTAC on MCI R-107 to ANX VORTAC, then on ANX R-088 and COU R-292 to COU VOR/DME.

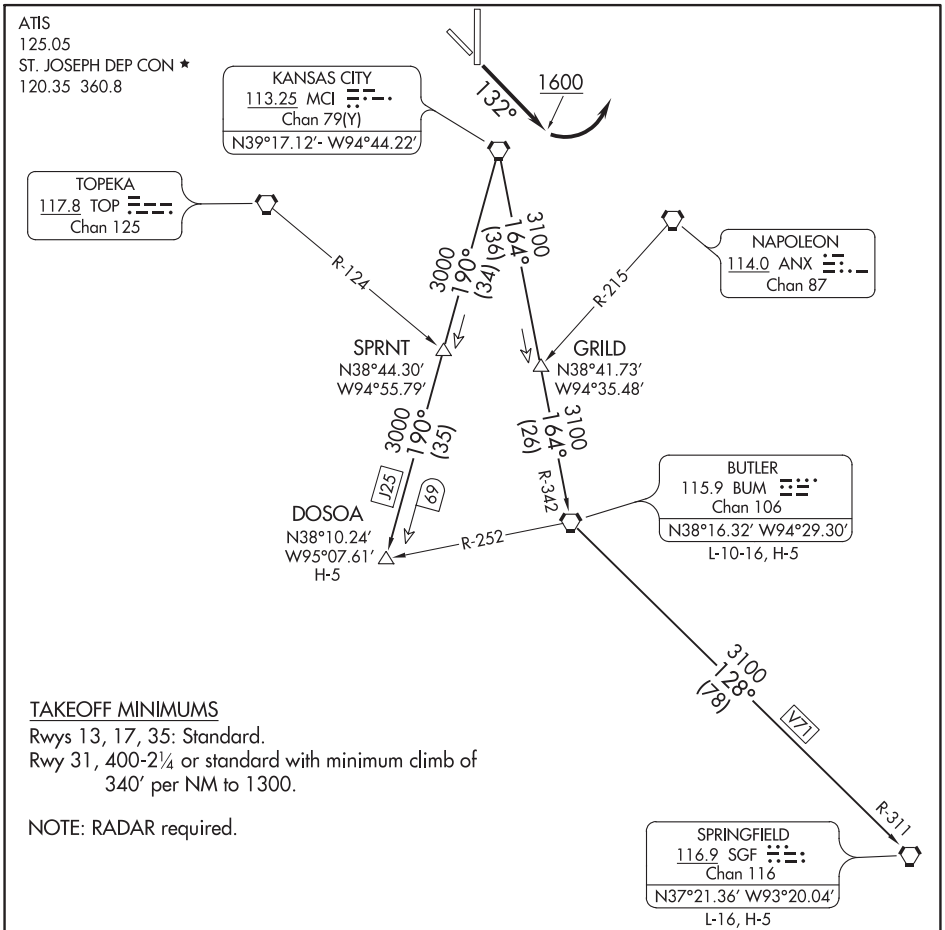
FRANC TRANSITION (LAKES3.FRANC): From over MCI VORTAC on MCI R-107 to ANX VORTAC, then on ANX R-088 to FRANC FIX.

SPINNER TRANSITION (LAKES3.SPI): From over MCI VORTAC on MCI R-075 and SPI R-265 to TWAIN FIX, then on SPI R-265 to SPI VORTAC.

TWAIN TRANSITION (LAKES3.TWAIN): From over MCI VORTAC on MCI R-075 and SPI R-265 to TWAIN FIX.

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021



TAKEOFF MINIMUMS

Rwys 13, 17, 35: Standard.

Rwy 31, 400-2¼ or standard with minimum climb of 340′ per NM to 1300.

NOTE: RADAR required.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 13: Climb heading 132° to 1600 before turning left, thence . . . . . .climb on assigned heading for RADAR vectors to appropriate route. Expect filed altitude 10 minutes after departure.

TAKEOFF ALL OTHER RUNWAYS: Climb on assigned heading for RADAR vectors to appropriate route. Expect filed altitude 10 minutes after departure.

BUTLER TRANSITION (RACER7.BUM): From over MCI VORTAC on MCI R-164 and BUM R-342 to BUM VORTAC.

DOSOA TRANSITION (RACER7.DOSOA): From over MCI VORTAC on MCI R-190 to DOSOA.

SPRINGFIELD TRANSITION (RACER7.SGF): From over MCI VORTAC on MCI R-164 and BUM R-342 to BUM VORTAC, then on BUM R-128 and SGF R-311 to SGF VORTAC.

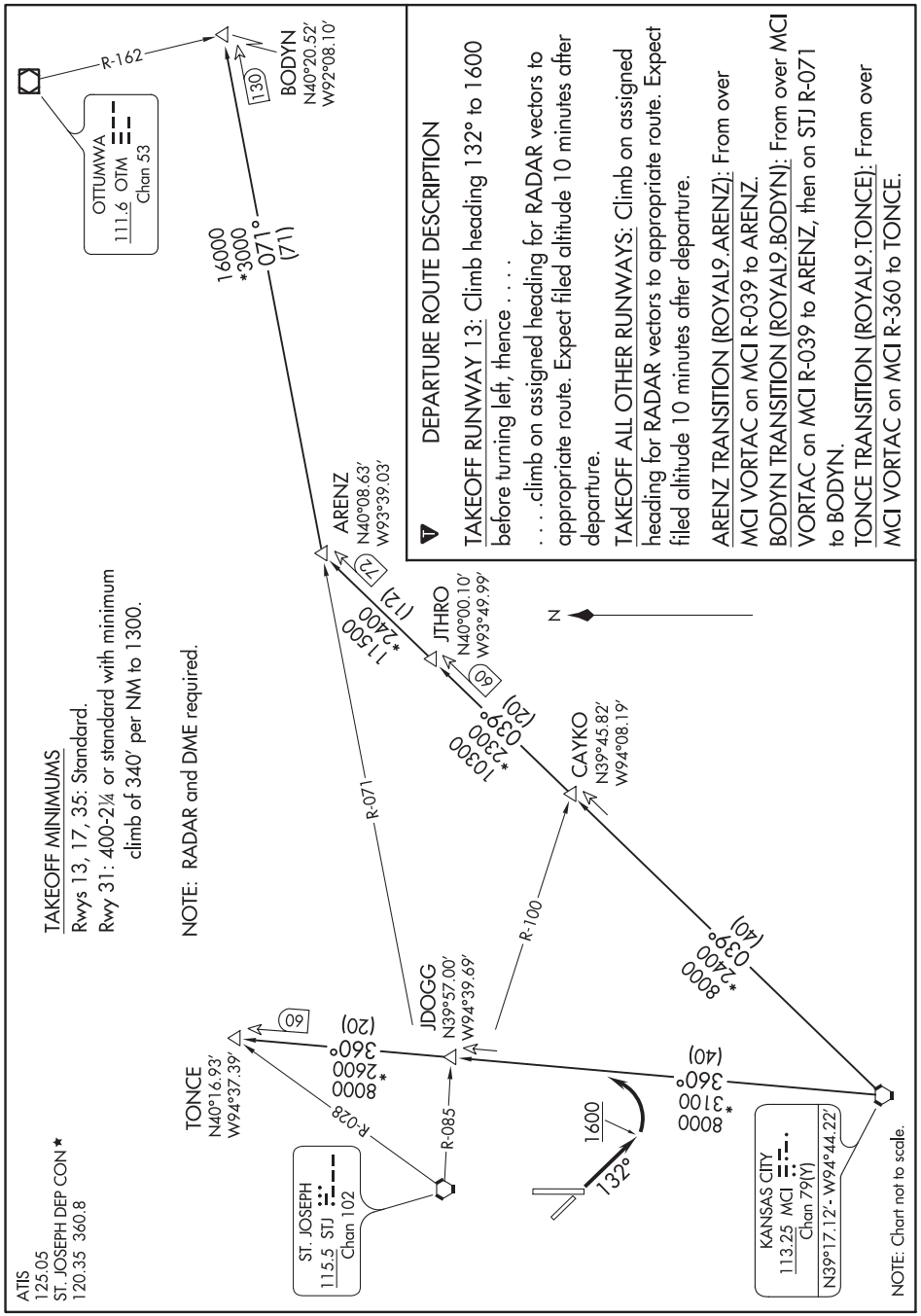
NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

(ROYAL9.MCI) 20086

ROYAL NINE DEPARTURE

AL-359 (FAA)

ROSECRANS MEMORIAL (STJ)
ST. JOSEPH, MISSOURI

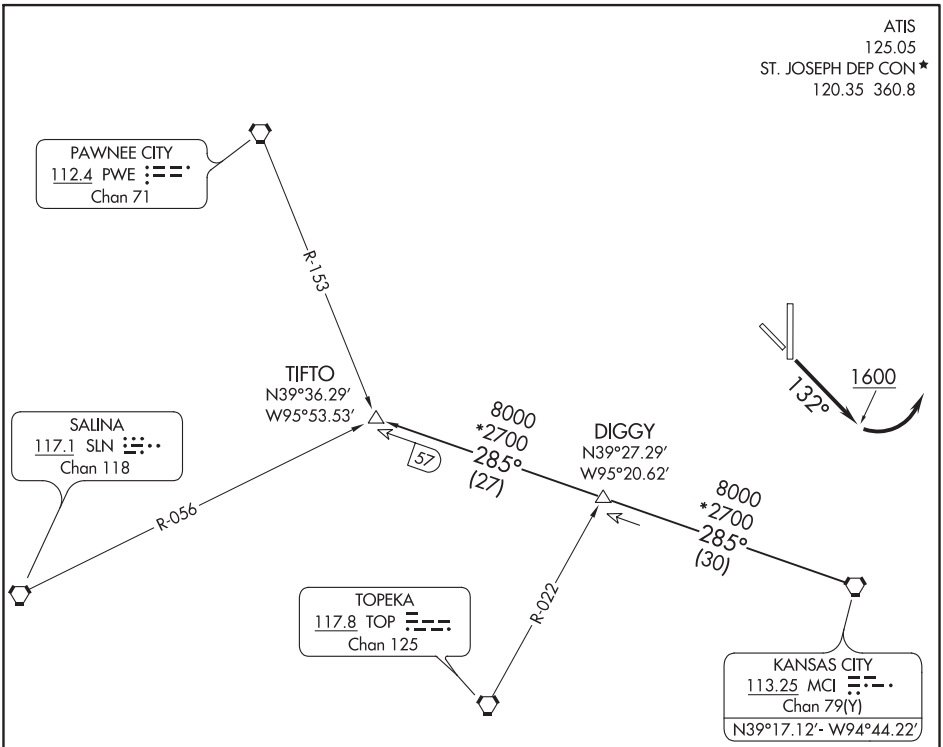


NC-3, 25 FEB 2021 to 22 APR 2021

ROYAL NINE DEPARTURE

(ROYAL9.MCI) 01FEB18

ST. JOSEPH, MISSOURI
ROSECRANS MEMORIAL (STJ)



NOTE: RADAR required.

TAKEOFF MINIMUMS
Rwys 13, 17, 35: Standard.
Rwy 31: 400-2¼ or standard with minimum climb of 340′ per NM to 1300.

NOTE: Chart not to scale

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 13: Climb heading 132° to 1600 before turning left, thence. . . .

. . . .climb on assigned heading for RADAR vectors to appropriate route. Expect filed altitude 10 minutes after departure.

TAKEOFF ALL OTHER RUNWAYS: Climb on assigned heading for RADAR vectors to appropriate route. Expect filed altitude 10 minutes after departure.

TIFTO TRANSITION (TIFTO6.TIFTO): From over MCI VORTAC on MCI R-285 to TIFTO.

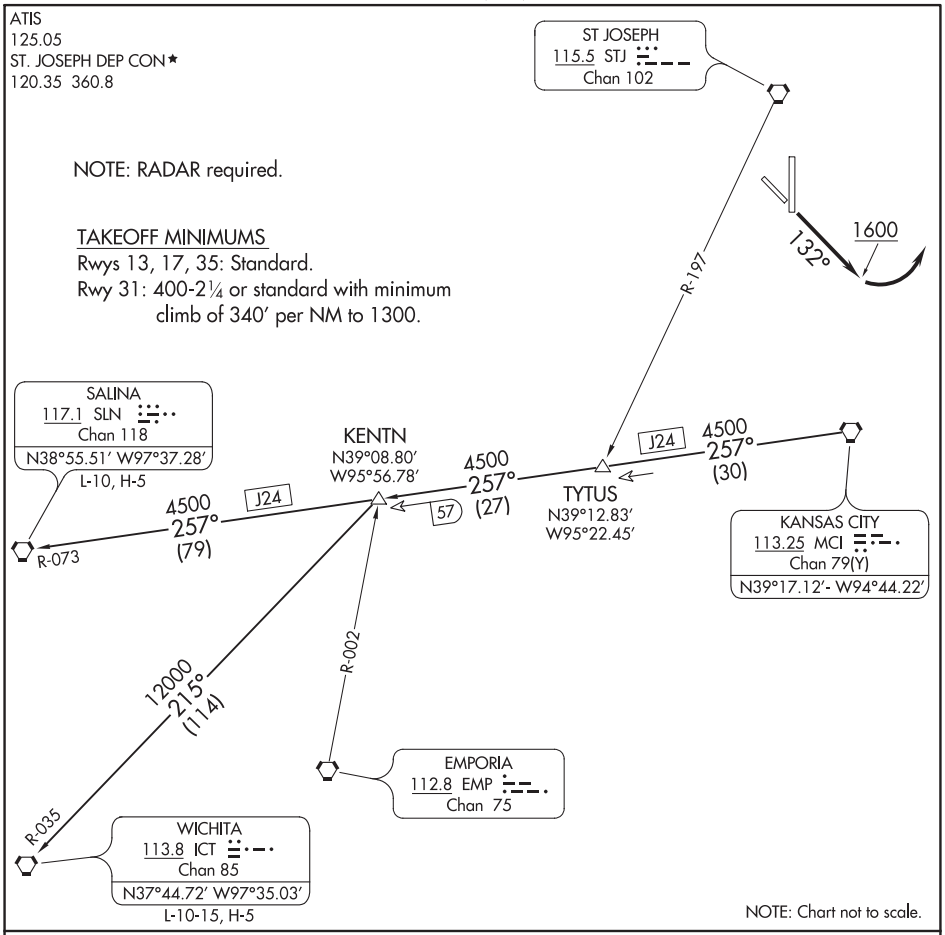
NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

(WLDCT5.MCI) 20086

WILDCAT FIVE DEPARTURE

AL-359 (FAA)

ROSECRANS MEMORIAL (STJ)
ST. JOSEPH, MISSOURI



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 13: Climb heading 132° to 1600 before turning left, thence . . . . . .climb on assigned heading for RADAR vectors to appropriate route. Expect filed altitude 10 minutes after departure.

TAKEOFF ALL OTHER RUNWAYS: Climb on assigned heading for RADAR vectors to appropriate route. Expect filed altitude 10 minutes after departure.

KENTN TRANSITION (WLDCT5.KENTN): From over MCI VORTAC on MCI R-257 to KENTN.

SALINA TRANSITION (WLDCT5.SLN): From over MCI VORTAC on MCI R-257 and SLN R-073 to SLN VORTAC.

WICHITA TRANSITION (WLDCT5.ICT): From over MCI VORTAC on MCI R-257 to KENTN, then on ICT R-035 to ICT VORTAC.

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 50403 W16A	APP CRS 158°	Rwy ldg 4500 TDZE 451 Apt Elev 462

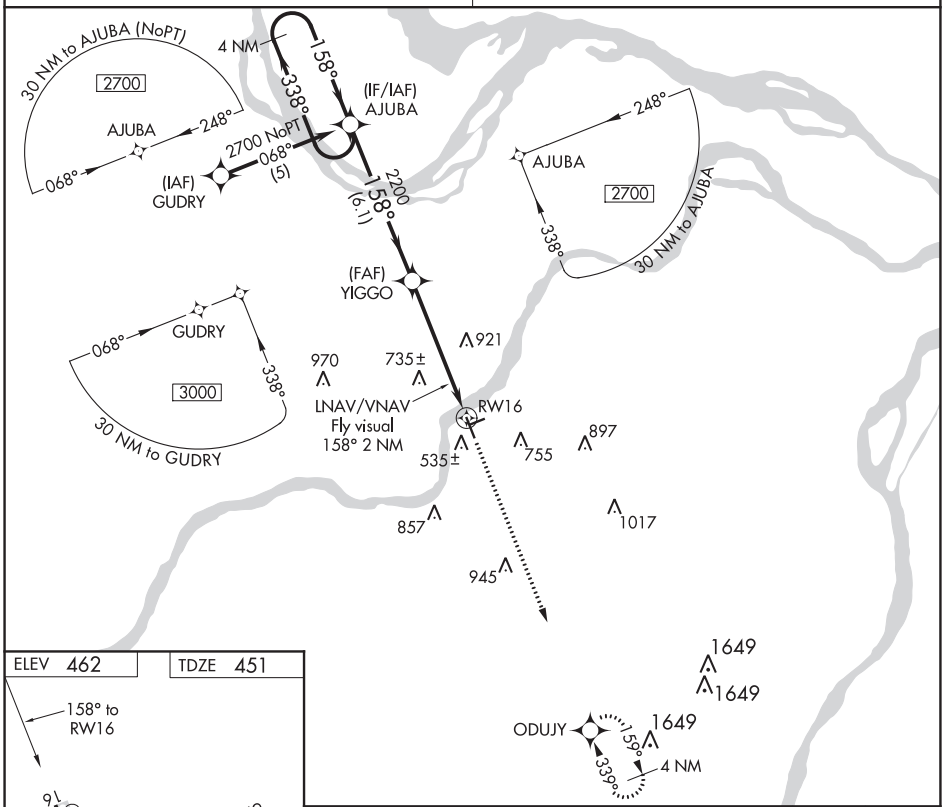
RNAV (GPS) RWY 16
CREVE COEUR (1H0)

RNP APCH.

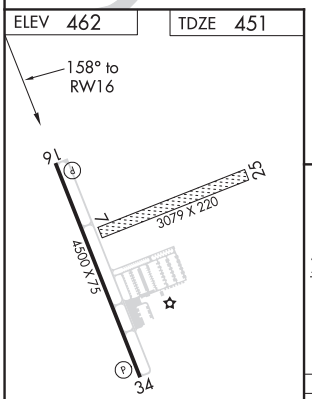
Baro-VNAV NA. Rwy 16 helicopter visibility reduction below 1 SM NA. Use St Louis Lambert Intl altimeter setting. Straight-in Rwy 16 NA at night, Circling Rwy 16 NA at night. Circling NA to Rwys 7 and 25.

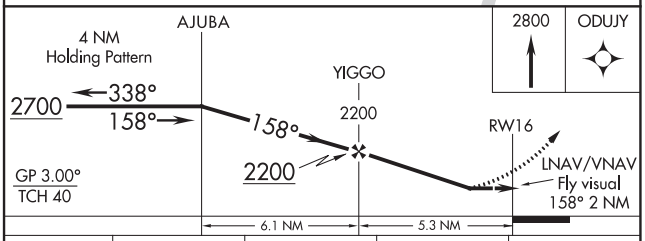
MISSED APPROACH: Climb to 2800 direct ODUJY and hold.

ST. LOUIS APP CON	UNICOM
126.5 254.3	122.8 (CTAF) L



ELEV 462 TDZE 451





CATEGORY		A	B	C	D
LPV	DA	912-1¾ 461 (500-1¾)		NA	
LNAV/VNAV	DA	1130-2 679 (700-2)		NA	
LNAV	MDA	1160-1 709 (700-1)		NA	
CIRCLING		1160-1 698 (700-1)		NA	

REIL Rwys 16 and 34 L
MIRL Rwy 16-34 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

ST. LOUIS, MISSOURI | AL-5910 (FAA) | 20310

RNAV (GPS) RWY 34

CREVE COEUR (1H0)

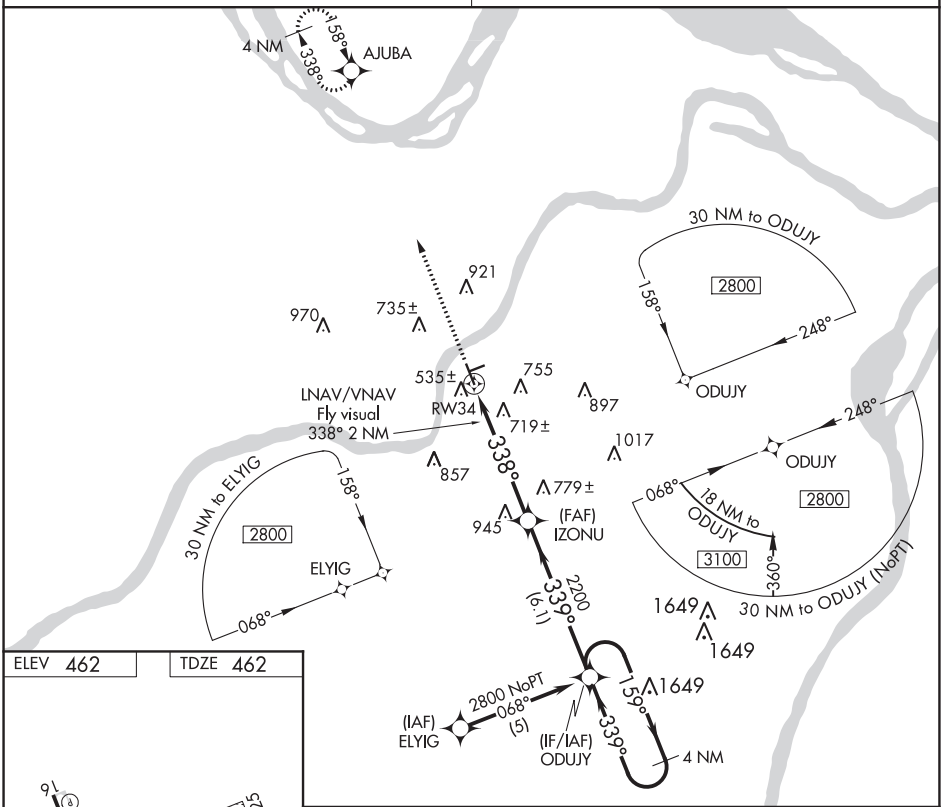
WAAS CH 93905 W34A	APP CRS 338°	Rwy ldg 4500 TDZE 462 Apt Elev 462

RNP APCH.

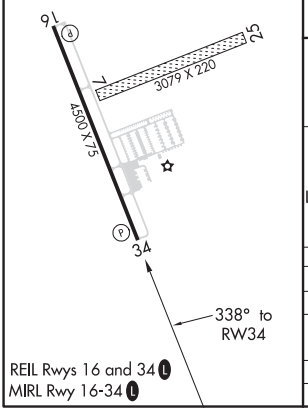
Use St Louis Lambert Intl altimeter setting. Baro-VNAV NA. Circling Rwy 16 NA at night. Circling NA to Rwys 7 and 25. Rwy 34 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 2700 direct AJUBA and hold.

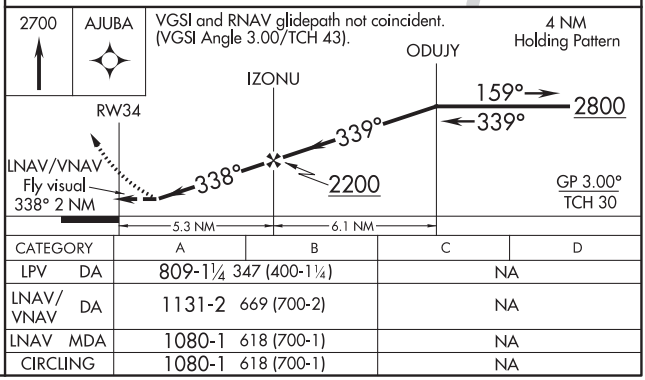
ST. LOUIS APP CON	UNICOM
126.5 254.3	122.8 (CTAF) L



ELEV 462 | TDZE 462



REIL Rwys 16 and 34 L
MIRL Rwy 16-34 L



CATEGORY	A	B	C	D
LPV DA	809-1¼ 347 (400-1¼)		NA	
LNAV/VNAV DA	1131-2 669 (700-2)		NA	
LNAV MDA	1080-1 618 (700-1)		NA	
CIRCLING	1080-1 618 (700-1)		NA	

ST. LOUIS, MISSOURI
Amdt 1A 13SEP18

38°44′N-90°31′W

CREVE COEUR (1H0)

RNAV (GPS) RWY 34

NC-3, 25 FEB 2021 to 22 APR 2021

LOC/DME I-JAK	APP CRS	Rwy ldg	7352
110.3	064°	TDZE	551
Chan 40		Apt Elev	618

ILS or LOC RWY 6
ST LOUIS LAMBERT INTL (STL)

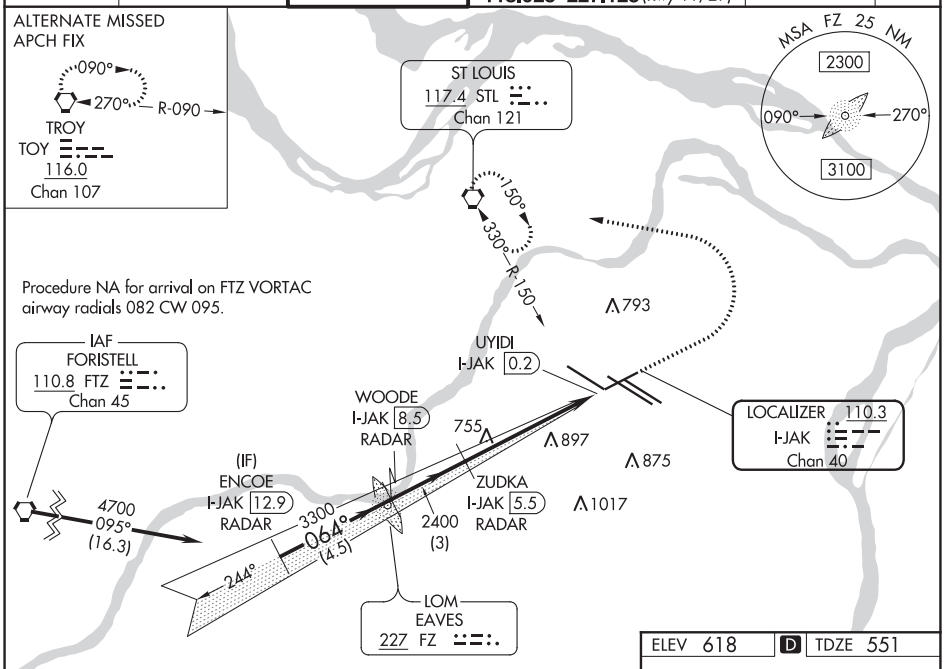
DME or RADAR required. DME or RADAR required for procedure entry.

For inop ALS, increase S-ILS 6 Cat E visibility to RVR 4000 and S-LOC 6 Cat C/D/E visibility to 1⅜ SM.

MALSR

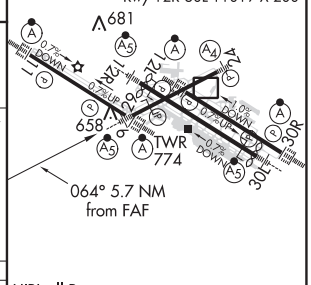
MISSED APPROACH: Climb to 2200 then climbing left turn to 3000 direct STL VORTAC and hold, continue climb-in-hold to 3000.

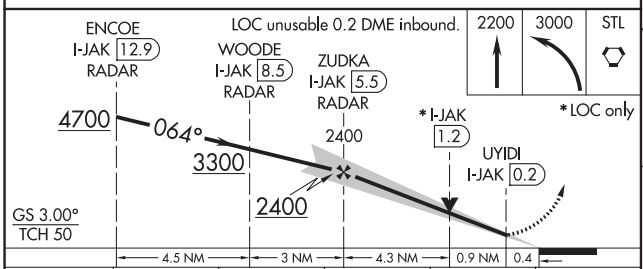
D-ATIS	ST. LOUIS APP CON	ST. LOUIS TOWER	GND CON	CLNC DEL	CPDLC
125.025 379.925	132.125 360.6	132.475 239.275	121.9 348.6 (Inbound) 121.65 377.175 (Outbound) 118.925 227.125 (Rwy 11/29)	119.5 363.1	



ELEV 618 D TDZE 551

Rwy 6-24 7607 X 150
Rwy 11-29 9001 X 150
Rwy 12L-30R 9003 X 150
Rwy 12R-30L 11019 X 200





CATEGORY	A	B	C	D	E
S-ILS 6	751/24 200 (200-½)				
S-LOC 6	1020/24 469 (500-½)		1020/50 469 (500-1)		

HIRL all Rwys
TDZ/CL Rwys 11, 12L, 12R, 29, and 30R

FAF to MAP 5.3 NM

Knots	60	90	120	150	180
Min:Sec	5:18	3:32	2:39	2:07	1:46

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

ST. LOUIS, MISSOURI — AL-360 (FAA) — 21056

ILS or LOC RWY 11
ST LOUIS LAMBERT INTL (STL)

LOC/DME I-OGZ	APP CRS	Rwy ldg	9001
111.95	123°	TDZE	618
Chan 56(Y)		Apt Elev	618

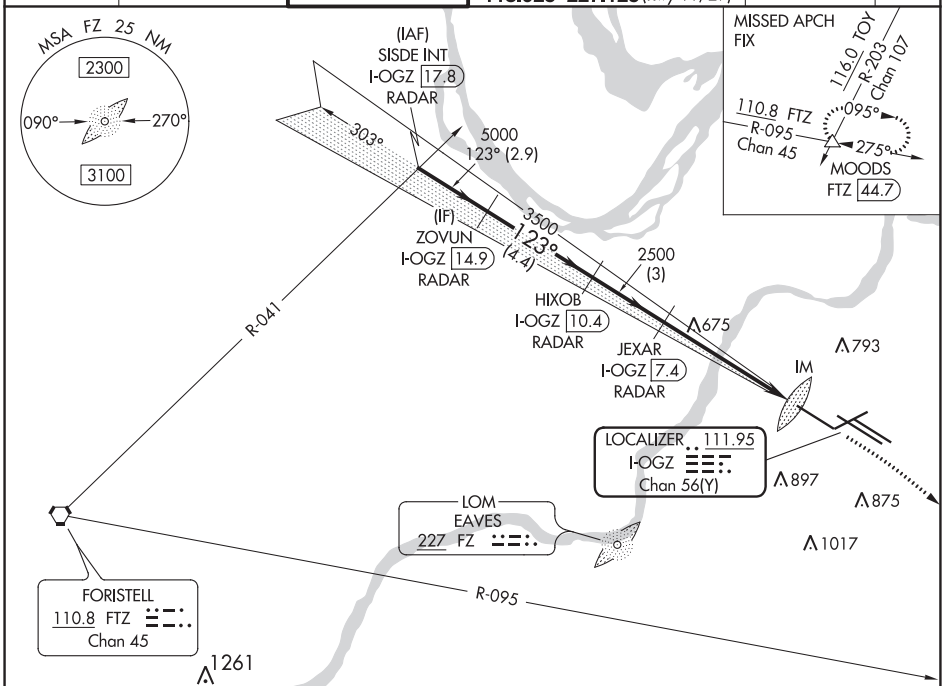
RADAR required for procedure entry. DME or RADAR required.

T Simultaneous approach authorized with Rwy 12R/L. Disregard OM signal associated with ILS to Rwy 12R. For inop ALS, increase S-ILS Cat E visibility to RVR 4000, and S-LOC Cat C/D/E visibility to RVR 5500.

ALSF-2

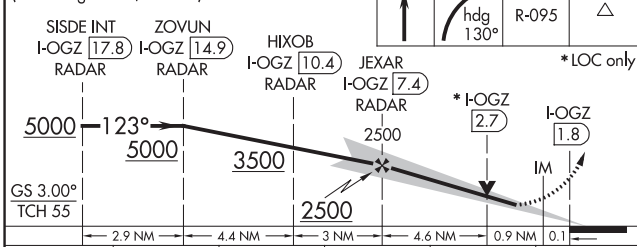
MISSED APPROACH: Climb to 1060 then climbing right turn to 3000 on heading 130° and FTZ R-095 to MOODS INT/FTZ 44.7 DME and hold.

D-ATIS	ST. LOUIS APP CON	ST. LOUIS TOWER	GND CON	CLNC DEL	CPDLC
125.025 379.925	132.125 360.6	132.475 239.275	121.9 348.6 (Inbound) 121.65 377.175 (Outbound) 118.925 227.125 (Rwy 11/29)	119.5 363.1	



VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 67).

1060	3000	FTZ	MOODS
↑	hdg 130°	R-095	△

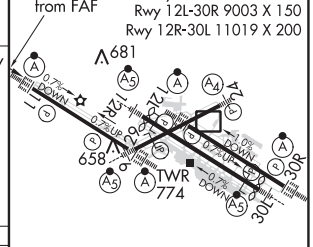


CATEGORY	A	B	C	D	E
S-ILS 11	818/18 200 (200-½)				
S-LOC 11	980/24 362 (400-½)		980/35 362 (400-⅝)		

ELEV 618 | D | TDZE 618

123° 5.6 NM from FAF

Rwy 6-24 7607 X 150
Rwy 11-29 9001 X 150
Rwy 12L-30R 9003 X 150
Rwy 12R-30L 11019 X 200



HIRL all Rwys
TDZ/CL Rwys 11, 12L, 12R, 29, and 30R

FAF to MAP 5.6 NM					
Knots	60	90	120	150	180
Min:Sec	5:36	3:44	2:48	2:14	1:52

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

LOC/DME I-LDZ	APP CRS	Rwy ldg	9003
108.9	123°	TDZE	541
Chan 26		Apt Elev	618

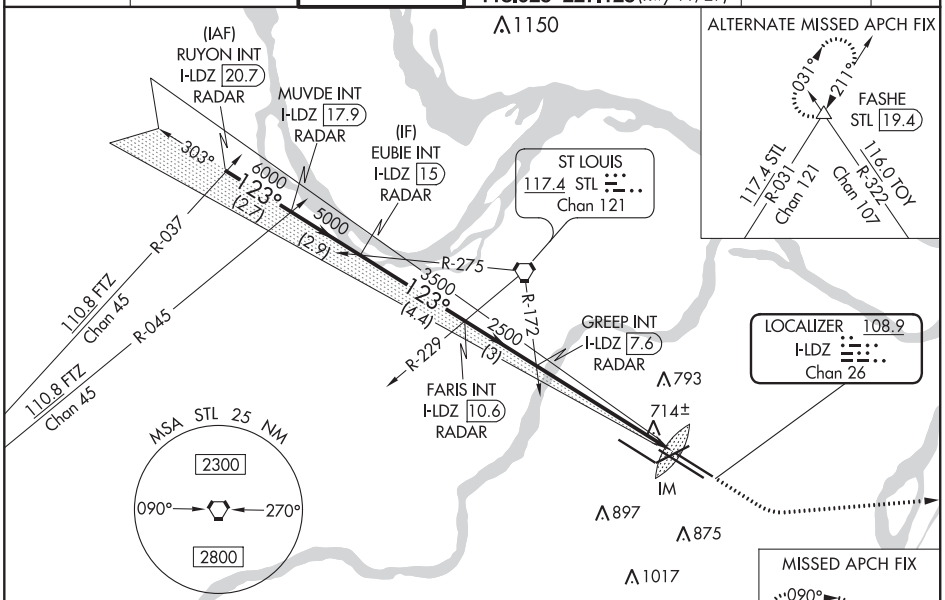
ILS or LOC RWY 12L
ST LOUIS LAMBERT INTL (STL)

T Disregard OM indications. For inop ALS, increase S-ILS 12L Cat E visibility to RVR 4000 and S-LOC 12L Cat E visibility to 1½ SM. Simultaneous approach authorized with Rwy 11. Simultaneous approach authorized with Rwy 12R requires use of vertical guidance; maintain last altitude until established on the glideslope.

ALSF-2

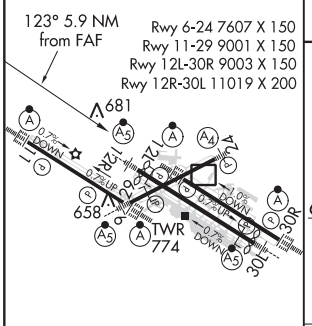
MISSED APPROACH: Climb to 2500 then climbing left turn to 3000 direct TOY VORTAC and hold.

D-ATIS	ST. LOUIS APP CON	ST. LOUIS TOWER	GND CON	CLNC DEL	CPDLC
125.025 379.925	132.125 360.6	120.05 284.6	121.9 348.6 (Inbound) 121.65 377.175 (Outbound) 118.925 227.125 (Rwy 11/29)	119.5 363.1	



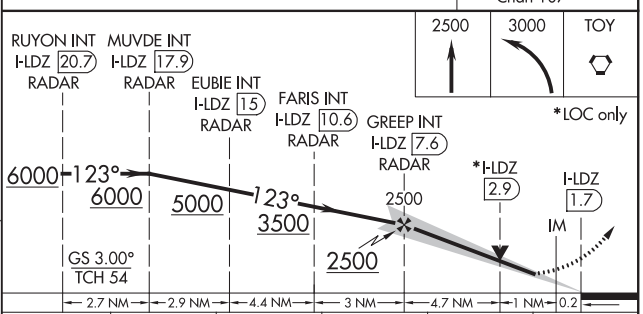
RADAR and DME REQUIRED

ELEV 618 | D | TDZE 541



HIRL all Rwys
TDZ/CL Rwys 11, 12L, 12R, 29, and 30R

FAF to MAP 5.9 NM					
Knots	60	90	120	150	180
Min:Sec	5:54	3:56	2:57	2:22	1:58



CATEGORY	A	B	C	D	E
S-ILS 12L	741/18 200 (200-½)				741/24 200 (200-½)
S-LOC 12L	980/24 439 (400-½)		980/40 439 (400-¾)	980/50 439 (400-1)	

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

ST. LOUIS, MISSOURI

AL-360 (FAA)

21056

ILS or LOC RWY 12R
ST LOUIS LAMBERT INTL (STL)

LOC/DME I-LMR	APP CRS		12R	12L
109.7	123°	Rwy ldg	10552	9003
Chan 34		TDZE	540	541
		Apt Elev	618	618

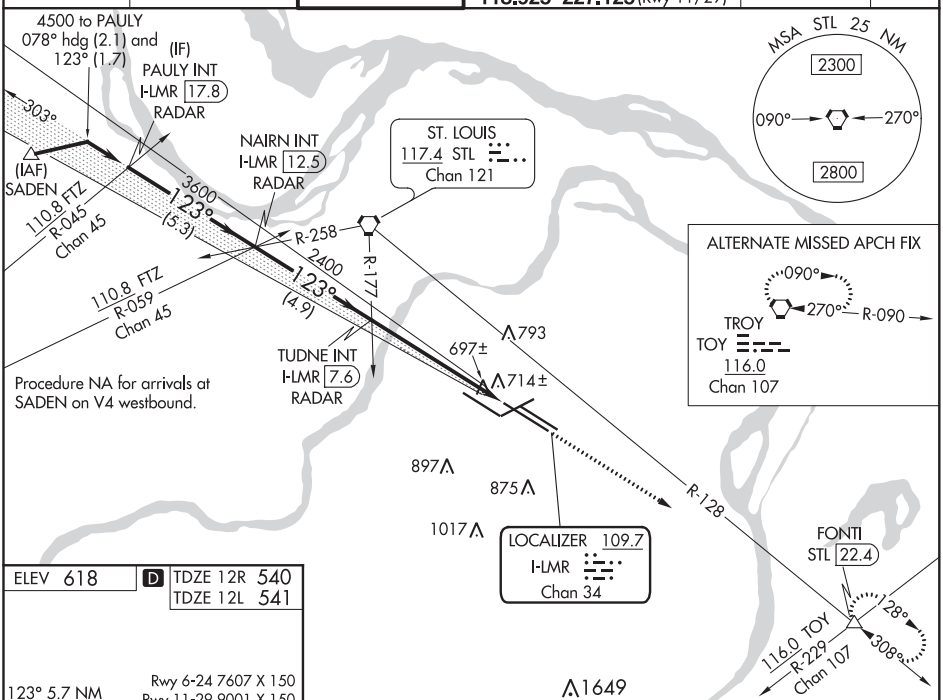
T LOC only: Rwy 12R helicopter visibility reduction below ¾ SM NA. Inop table does not apply to sidestep Rwy 12L. For inop ALS, increase S-ILS 12R Cat E visibility to RVR 4000 and increase S-LOC 12R Cats A/B visibility to RVR 5500, Cats C/D/E visibility to RVR 6000. Simultaneous approach authorized with Rwy 11. Simultaneous approach authorized with Rwy 12L requires use of vertical guidance; maintain last assigned altitude until established on glideslope.

MALSR Rwy 12R (A5)

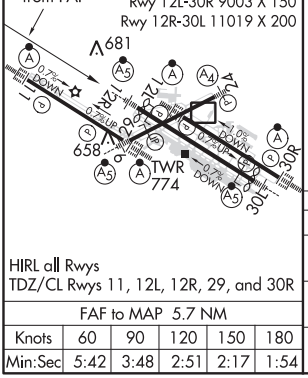
ALSF-2 Rwy 12L (A)

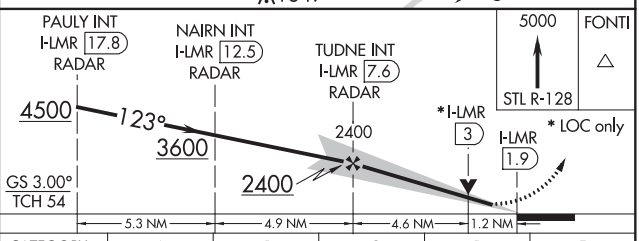
MISSED APPROACH: Climb to 5000 on STL VORTAC R-128 to FONTI INT/STL 22.4 DME and hold, continue climb-in-hold to 5000.

D-ATIS	ST. LOUIS APP CON	ST. LOUIS TOWER	GND CON	CLNC DEL	CPDLC
125.025 379.925	132.125 360.6	118.5 257.7	121.9 348.6 (Inbound) 121.65 377.175 (Outbound) 118.925 227.125 (Rwy 11/29)	119.5 363.1	



ELEV 618 | D | TDZE 12R 540 | TDZE 12L 541





FAF to MAP 5.7 NM					
Knots	60	90	120	150	180
Min:Sec	5:42	3:48	2:51	2:17	1:54

CATEGORY	A	B	C	D	E
S-ILS 12R	740/18 200 (200-½)				
S-LOC 12R	960/40 420 (400-¾)				
SIDESTEP 12L	980-1 439 (400-1)		980-1½ 439 (400-1½)	980-2 439 (400-2)	

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

ILS or LOC RWY 24
ST LOUIS LAMBERT INTL (STL)

LOC/DME I-STL	APP CRS	Rwy ldg	7602
110.3	244°	TDZE	534
Chan 40		Apt Elev	618

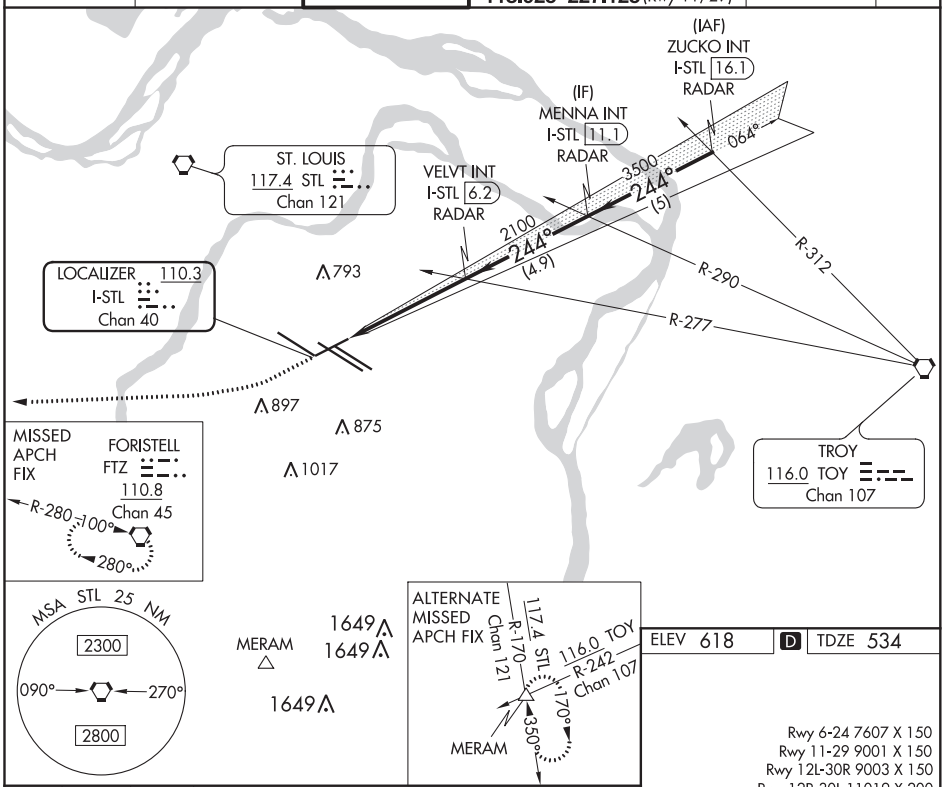
RADAR required for procedure entry.

Inop table does not apply to S-ILS 24. For inop ALS, increase S-LOC 24 Cat E visibility to 1⅝ SM.

MALS

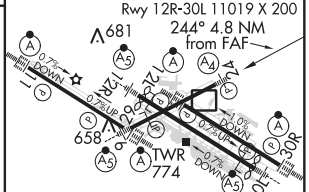
MISSED APPROACH: Climb to 3000 then right turn direct FTZ VORTAC and hold.

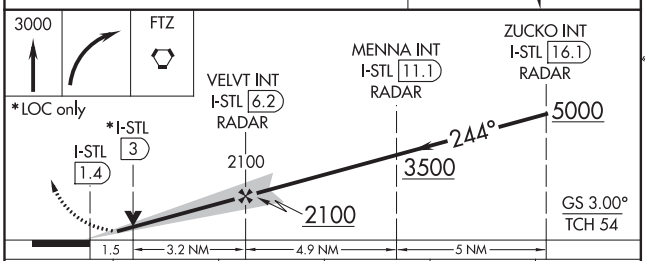
D-ATIS	ST. LOUIS APP CON	ST. LOUIS TOWER	GND CON	CLNC DEL	CPDLC
125.025 379.925	132.125 360.6	120.05 284.6	121.9 348.6 (Inbound) 121.65 377.175 (Outbound) 118.925 227.125 (Rwy 11/29)	119.5 363.1	



ELEV 618 | D | TDZE 534

Rwy 6-24 7607 X 150
Rwy 11-29 9001 X 150
Rwy 12L-30R 9003 X 150
Rwy 12R-30L 11019 X 150





CATEGORY	A	B	C	D	E
S-ILS 24	734/40 200 (200-¾)				
S-LOC 24	1080/40 546 (500-¾)		1080-1⅜ 546 (500-1⅜)		

HIRL all Rwys
TDZ/CL Rwys 11, 12L, 12R, 29, and 30R

FAF to MAP 4.8 NM					
Knots	60	90	120	150	180
Min:Sec	4:48	3:12	2:24	1:55	1:36

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

LOC/DME I-RQN	APP CRS	Rwy ldg	9001
111.95	303°	TDZE	580
Chan 56(Y)		Apt Elev	618

ILS or LOC RWY 29
ST LOUIS LAMBERT INTL (STL)

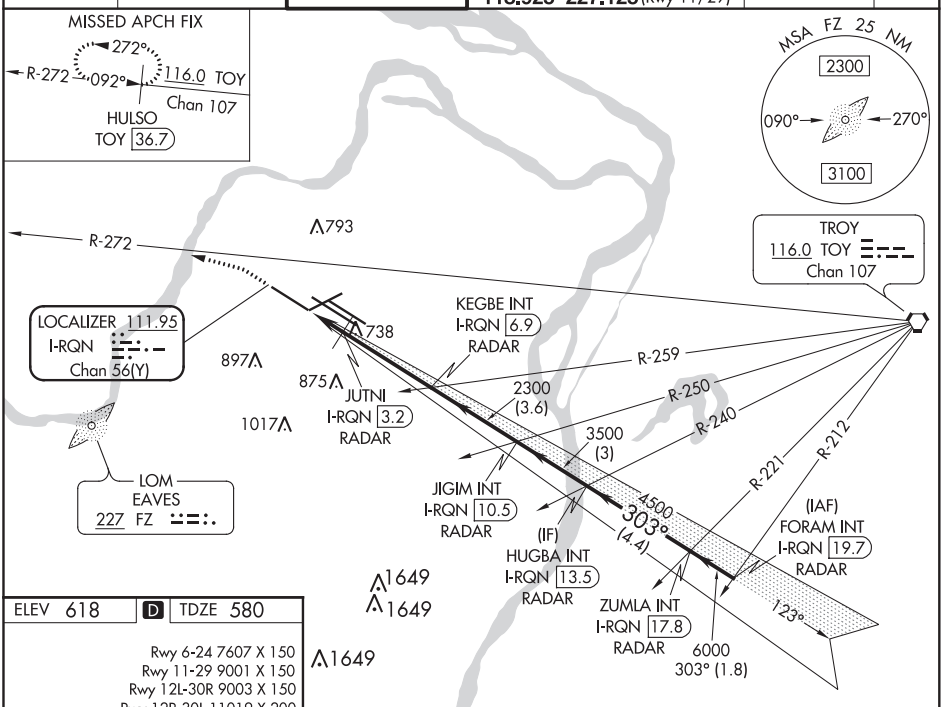
RADAR required for procedure entry. DME or RADAR required.

T Simultaneous approach authorized with Rwy 30R/L. Autopilot coupled approach NA. Rwy 29 helicopter visibility reduction below RVR 4000 NA. For inop ALS, increase S-ILS Cat E visibility to RVR 4000, increase S-LOC Cats A/B visibility to RVR 5500, and Cat C/D/E to RVR 6000.

ALSF-2

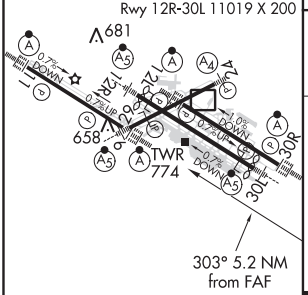
MISSED APPROACH: Climb to 1040 then climbing left turn to 3000 on heading 286° and on TOY VORTAC R-272 to HULSO/TOY 36.7 DME and hold.

D-ATIS	ST. LOUIS APP CON	ST. LOUIS TOWER	GND CON	CLNC DEL	CPDLC
125.025 379.925	132.125 360.6	132.475 239.275	121.9 348.6 (Inbound) 121.65 377.175 (Outbound) 118.925 227.125 (Rwy 11/29)	119.5 363.1	



ELEV 618	D	TDZE 580

Rwy 6-24 7607 X 150
Rwy 11-29 9001 X 150
Rwy 12L-30R 9003 X 150
Rwy 12R-30L 11019 X 200



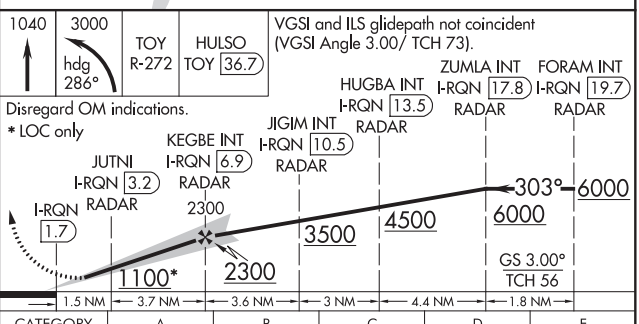
HIRL all Rwys
TDZ/CL Rwys 11, 12L, 12R, 29, and 30R

FAF to MAP 5.2 NM					
Knots	60	90	120	150	180
Min:Sec	5:12	3:28	2:36	2:05	1:44

1040	3000	TOY	HULSO
	hdg 286°	R-272	TOY 36.7

VGSI and ILS glidepath not coincident (VGSI Angle 3.00/ TCH 73).

Disregard OM indications.
* LOC only



CATEGORY	A	B	C	D	E
S-ILS 29	780/18 200 (200-½)				
S-LOC 29	980/40 400 (400-¾)				

NC-3, 25 FEB 2021 to 22 APR 2021

LOC I-BKY	APP CRS	Rwy ldg	10818
111.5	303°	TDZE	583
		Apt Elev	618

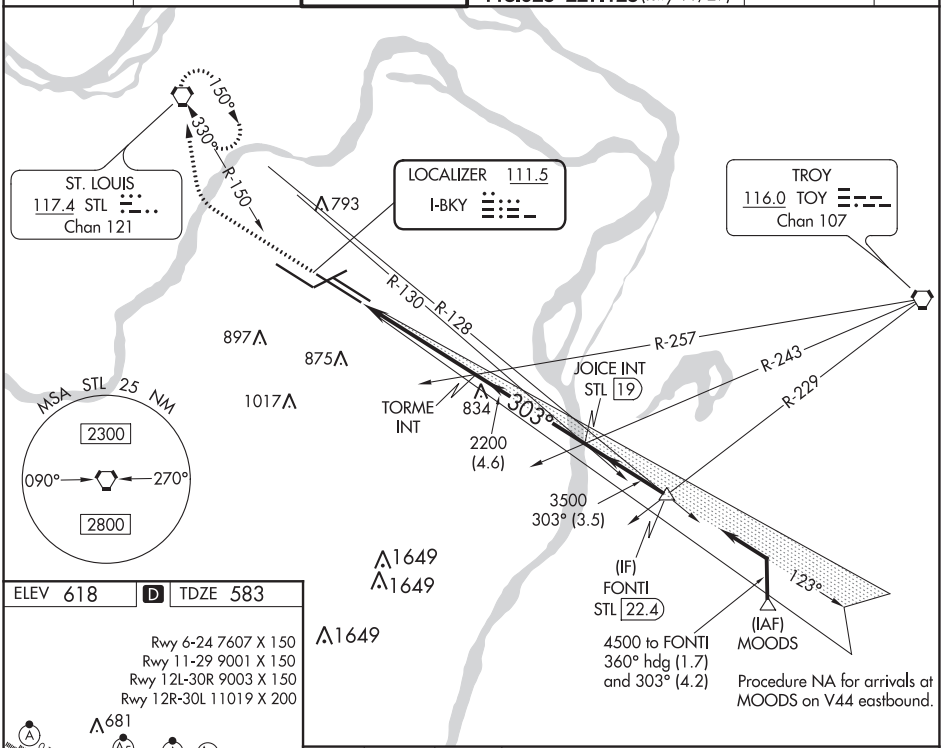
ILS or LOC RWY 30L
ST LOUIS LAMBERT INTL (STL)

For inop ALS, increase S-ILS 30L Cat E visibility to RVR 4000 and S-LOC 30L Cat C/D/E visibility to 1⅜ SM. Simultaneous approach authorized with Rwy 30R requires use of vertical guidance; maintain last assigned altitude until established on glideslope. Simultaneous approach authorized with Rwy 29.
*RVR 1800 authorized with use of FD or AP or HUD to DA.

MALSR

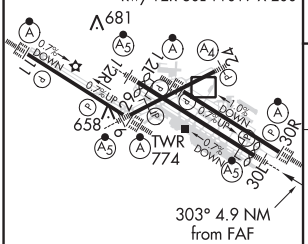
MISSED APPROACH: Climb to 2100 then climbing right turn to 3000 direct STL VORTAC and hold, continue climb-in-hold to 3000.

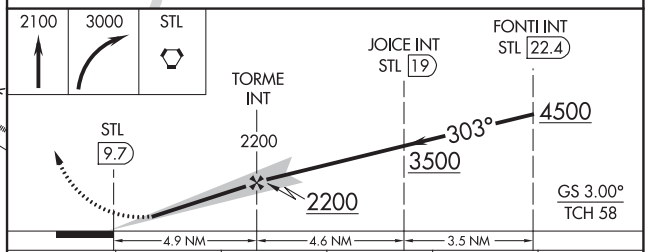
D-ATIS	ST. LOUIS APP CON	ST. LOUIS TOWER	GND CON	CLNC DEL	CPDLC
125.025 379.925	132.125 360.6	118.5 257.7	121.9 348.6 (Inbound) 121.65 377.175 (Outbound) 118.925 227.125 (Rwy 11/29)	119.5 363.1	



ELEV 618 | D | TDZE 583

Rwy 6-24 7607 X 150
Rwy 11-29 9001 X 150
Rwy 12L-30R 9003 X 150
Rwy 12R-30L 11019 X 200





HIRL all Rwys
TDZ/CL Rwys 11, 12L, 12R, 29, and 30R

FAF to MAP 4.9 NM					
Knots	60	90	120	150	180
Min:Sec	4:54	3:16	2:27	1:58	1:38

CATEGORY	A	B	C	D	E
S-ILS 30L*	783/24 200 (200-½)				
S-LOC 30L	1100/24 517 (500-½)		1100/55 517 (500-1)		

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

ILS or LOC RWY 30R
ST LOUIS LAMBERT INTL (STL)

LOC/DME I-SJW	APP CRS	Rwy ldg	9003
111.3	303°	TDZE	605
Chan 50		Apt Elev	618

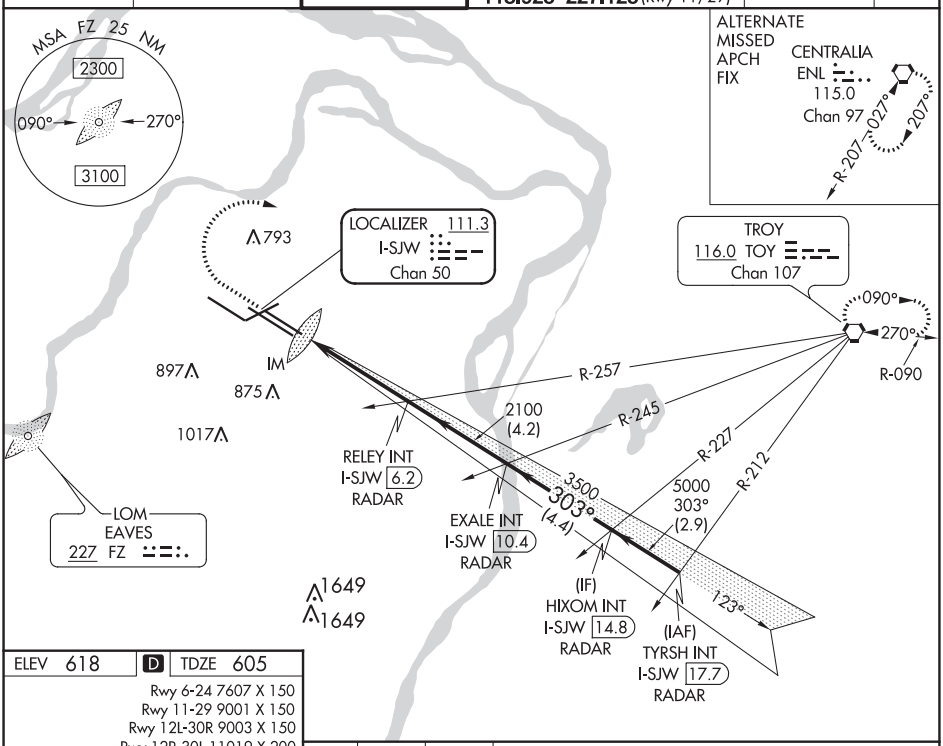
RADAR required for procedure entry.

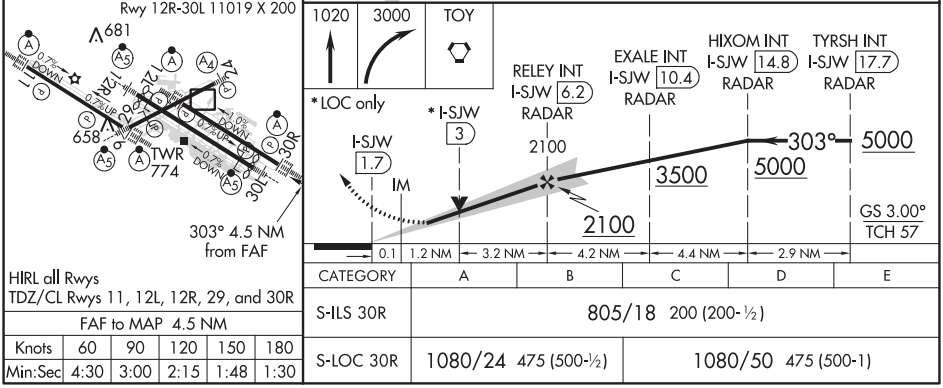
For inop ALS, increase S-ILS 30R Cat E visibility to RVR 4000 and S-LOC 30R Cat C/D/E visibility to 1⅜ SM. Simultaneous approach authorized with Rwy 29. Simultaneous approach authorized with Rwy 30L requires use of vertical guidance; maintain last assigned altitude until established on glideslope.

ALSF-2

MISSED APPROACH: Climb to 1020 then climbing right turn to 3000 direct TOY VORTAC and hold.

D-ATIS	ST. LOUIS APP CON	ST. LOUIS TOWER	GND CON	CLNC DEL	CPDLC
125.025 379.925	132.125 360.6	120.05 284.6	121.9 348.6 (Inbound) 121.65 377.175 (Outbound) 118.925 227.125 (Rwy 11/29)	119.5 363.1	





FAF to MAP 4.5 NM					
Knots	60	90	120	150	180
Min:Sec	4:30	3:00	2:15	1:48	1:30

CATEGORY	A	B	C	D	E
S-ILS 30R	805/18 200 (200-½)				
S-LOC 30R	1080/24 475 (500-½)		1080/50 475 (500-1)		

NC-3, 25 FEB 2021 to 22 APR 2021

LOC/DME I-OGZ	APP CRS	Rwy ldg	9001
111.95	123°	TDZE	618
Chan 56(Y)		Apt Elev	618

ILS RWY 11 (CAT II & III)
ST LOUIS LAMBERT INTL (STL)

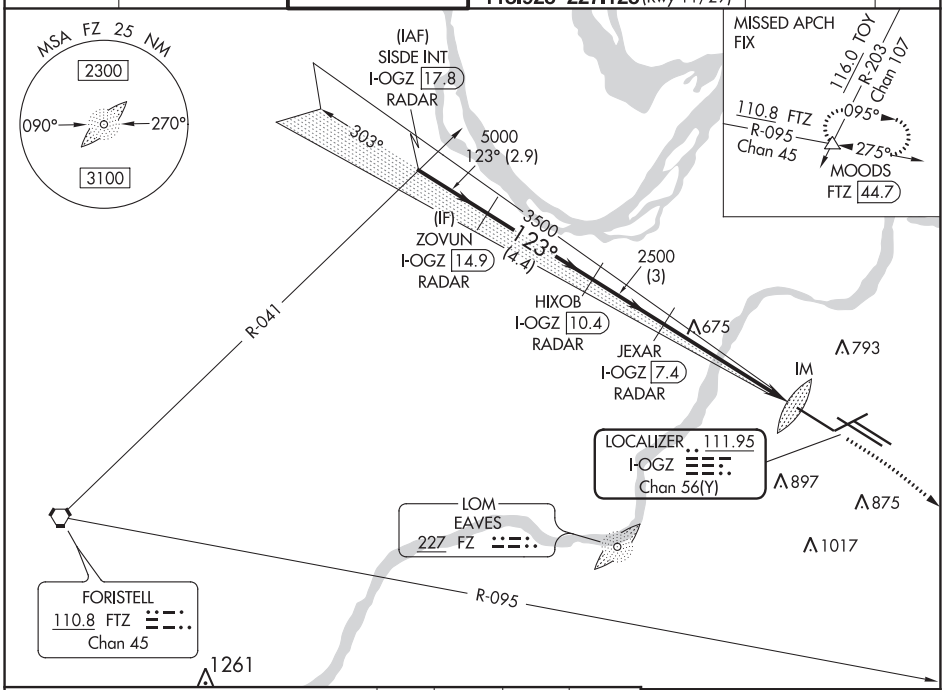
RADAR required for procedure entry. DME or RADAR required.

T Simultaneous approach authorized with Rwy 12R/L. Disregard OM signal associated with ILS to Rwy 12R.

ALSF-2

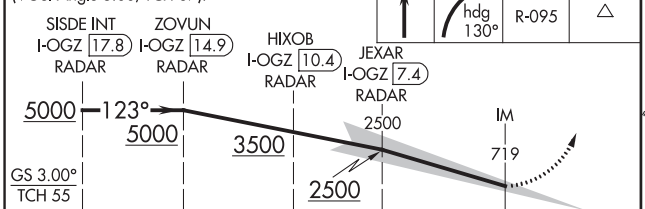
MISSED APPROACH: Climb to 1060 then climbing right turn to 3000 on heading 130° and FTZ R-095 to MOODS INT/FTZ 44.7 DME and hold.

D-ATIS	ST. LOUIS APP CON	ST. LOUIS TOWER	GND CON	CLNC DEL	CPDLC
125.025 379.925	132.125 360.6	132.475 239.275	121.9 348.6 (Inbound) 121.65 377.175 (Outbound) 118.925 227.125 (Rwy 11/29)	119.5 363.1	



VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 67).

1060	3000 hdg 130°	FTZ R-095	MOODS

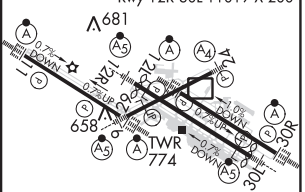


CATEGORY	A	B	C	D
S-ILS 11	CAT II RA 187/12 100 DA 718			
S-ILS 11	CAT III RVR 06			

CATEGORY II & III ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

ELEV 618 D TDZE 618

Rwy 6-24 7607 X 150
Rwy 11-29 9001 X 150
Rwy 12L-30R 9003 X 150
Rwy 12R-30L 11019 X 200



HIRL all Rwys
TDZ/CL Rwys 11, 12L, 12R, 29, and 30R

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

LOC/DME I-LDZ 108.9 Chan 26	APP CRS 123°	Rwy ldg 9003 TDZE 541 Apt Elev 618

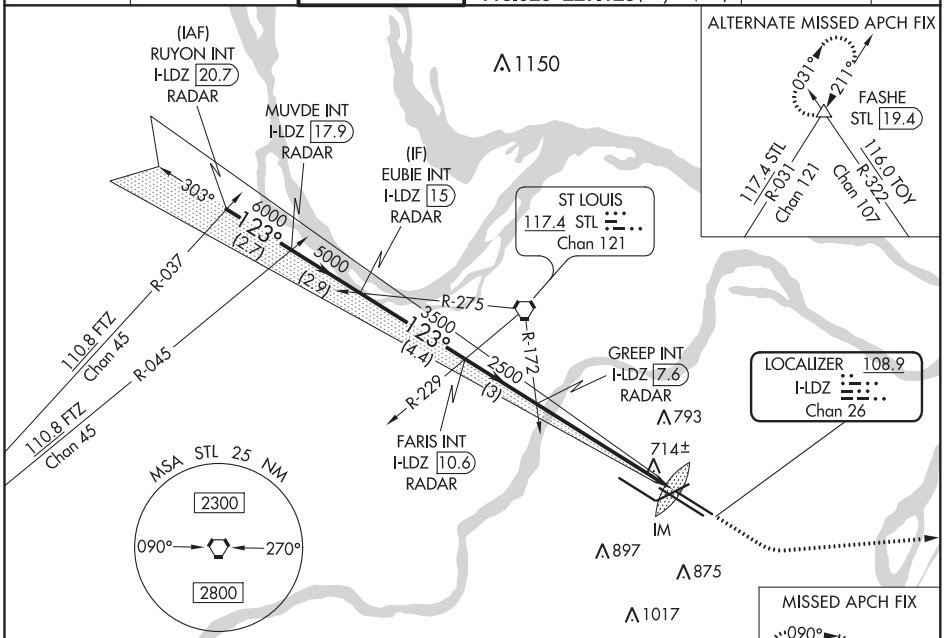
ILS RWY 12L (CAT II & III)
ST LOUIS LAMBERT INTL (STL)

T Disregard OM indications.
Simultaneous approach authorized with Rwy 11.

ALSF-2

MISSED APPROACH: Climb to 2500 then climbing left turn to 3000 direct TOY VORTAC and hold.

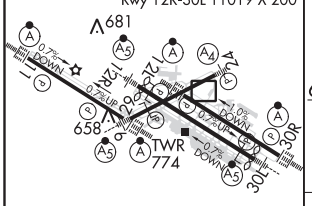
D-ATIS	ST. LOUIS APP CON	ST. LOUIS TOWER	GND CON	CLNC DEL	CPDLC
125.025 379.925	132.125 360.6	120.05 284.6	121.9 348.6 (Inbound) 121.65 377.175 (Outbound) 118.925 227.125 (Rwy 11/29)	119.5 363.1	

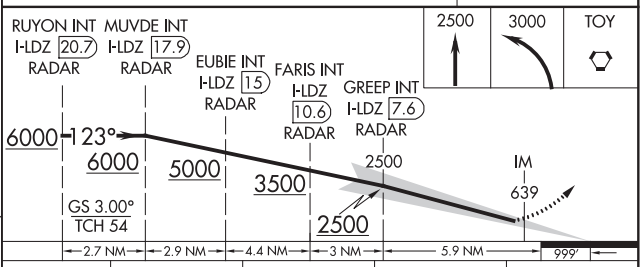


RADAR and DME REQUIRED

ELEV 618 | D | TDZE 541

Rwy 6-24 7607 X 150
Rwy 11-29 9001 X 150
Rwy 12L-30R 9003 X 150
Rwy 12R-30L 11019 X 200





CATEGORY	A	B	C	D
S-ILS 12L	CAT II RA 112/12 100 DA 641			
S-ILS 12L	CAT III RVR 06			

CATEGORY II & III ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

HIRL all Rwys
TDZ/CL Rwys 11, 12L, 12R, 29, and 30R

NC-3, 25 FEB 2021 to 22 APR 2021

LOC/DME I-SJW 111.3 Chan 50	APP CRS 303°	Rwy ldg 9003 TDZE 605 Apt Elev 618

ILS RWY 30R (CAT II & III)
ST LOUIS LAMBERT INTL (STL)

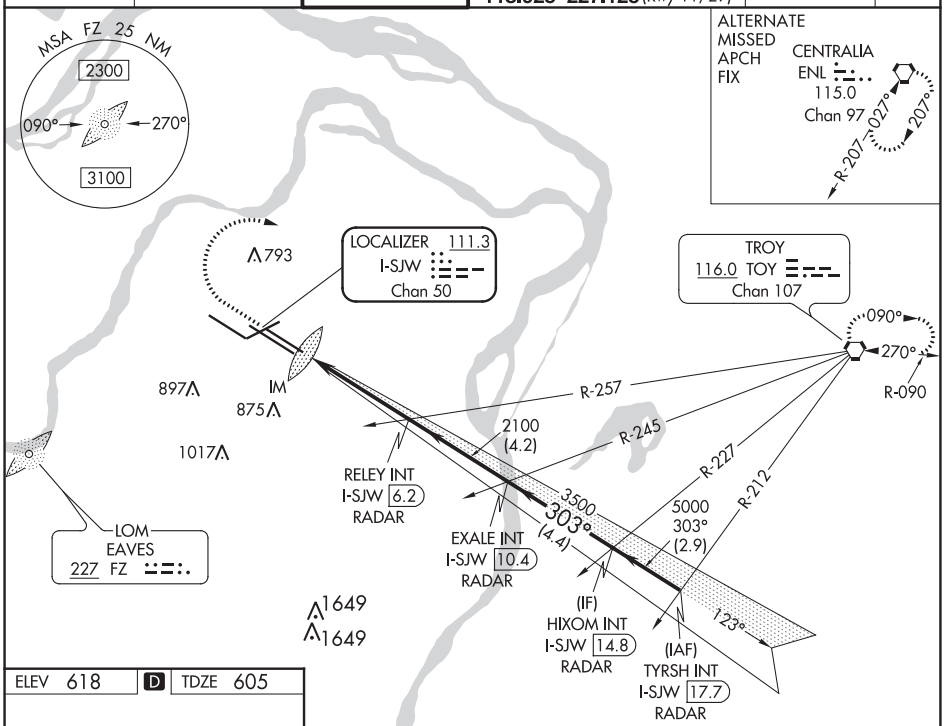
RADAR required for procedure entry.

Simultaneous approach authorized with Rwy 29.

ALSF-2

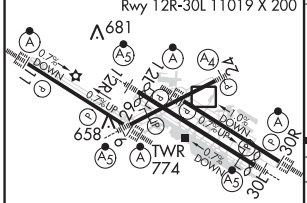
MISSED APPROACH: Climb to 1020 then climbing right turn to 3000 direct TOY VORTAC and hold.

D-ATIS	ST. LOUIS APP CON	ST. LOUIS TOWER	GND CON	CLNC DEL	CPDLC
125.025 379.925	132.125 360.6	120.05 284.6	121.9 348.6 (Inbound) 121.65 377.175 (Outbound) 118.925 227.125 (Rwy 11/29)	119.5 363.1	

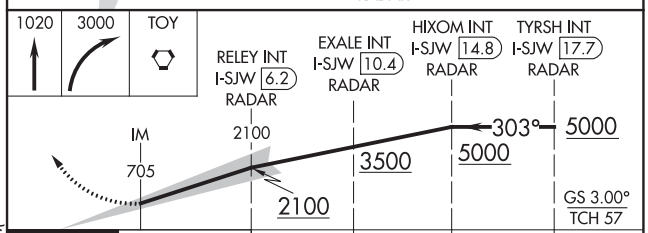


ELEV 618 D TDZE 605

Rwy 6-24 7607 X 150
Rwy 11-29 9001 X 150
Rwy 12L-30L 9003 X 150
Rwy 12R-30L 11019 X 200



HIRL all Rwys
TDZ/CL Rwys 11, 12L, 12R, 29, and 30R



CATEGORY	A	B	C	D
S-ILS 30R	CAT II RA 116/12 100 DA 705			
S-ILS 30R	CAT III RVR 06			

CATEGORY II & III ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

NC-3, 25 FEB 2021 to 22 APR 2021

ST. LOUIS, MISSOURI | AL-360 (FAA) | 21056

APP CRS	Rwy ldg	9001
123°	TDZE	618
	Apt Elev	618

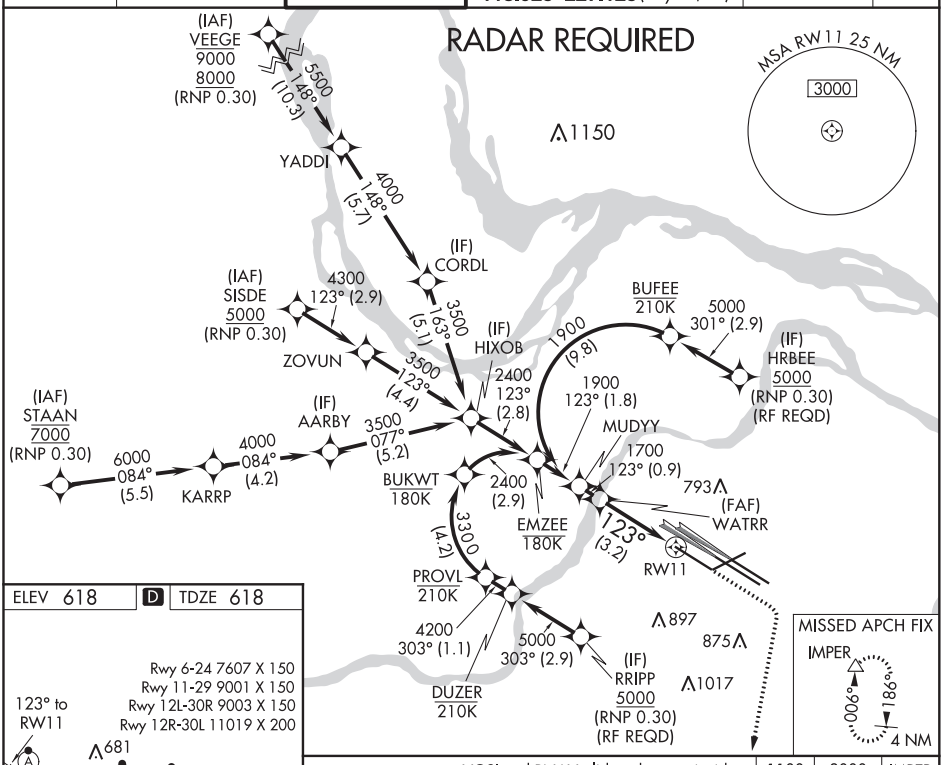
RNAV (RNP) Z RWY 11
ST LOUIS LAMBERT INTL (STL)

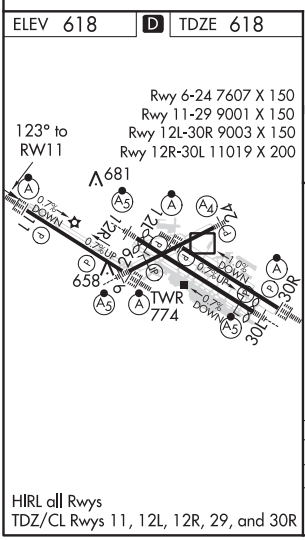
T For uncompensated Baro-VNAV systems, procedure NA below -16°C (4°F) or above 54°C (130°F). Simultaneous approach authorized with Rwy 12L/R, except for arrivals at RRIPP and HRBEE. Use of FD or AP providing RNAV track guidance required during simultaneous operations. GPS required. For inop ALS, increase RNP 0.30 all Cats visibility to ¾.

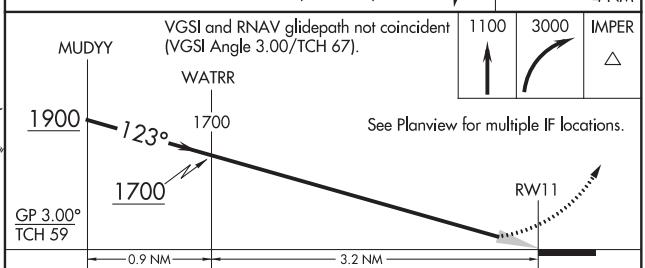
ALSF-2

MISSED APPROACH: Climb to 1100 then climbing right turn to 3000 direct IMPER and hold.

D-ATIS	ST. LOUIS APP CON	ST. LOUIS TOWER	GND CON	CLNC DEL	CPDLC
125.025 379.925	132.125 360.6	132.475 239.275	121.9 348.6 (Inbound) 121.65 377.175 (Outbound) 118.925 227.125 (Rwy 11/29)	119.5 363.1	







CATEGORY	A	B	C	D
RNP 0.30 DA	875-½ 257 (300-½)			

AUTHORIZATION REQUIRED

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

ST. LOUIS, MISSOURI
Orig-B 17AUG17
38°45'N-90°22'W
ST LOUIS LAMBERT INTL (STL)
RNAV (RNP) Z RWY 11

APP CRS	Rwy ldg	9003
123°	TDZE	541
	Apt Elev	618

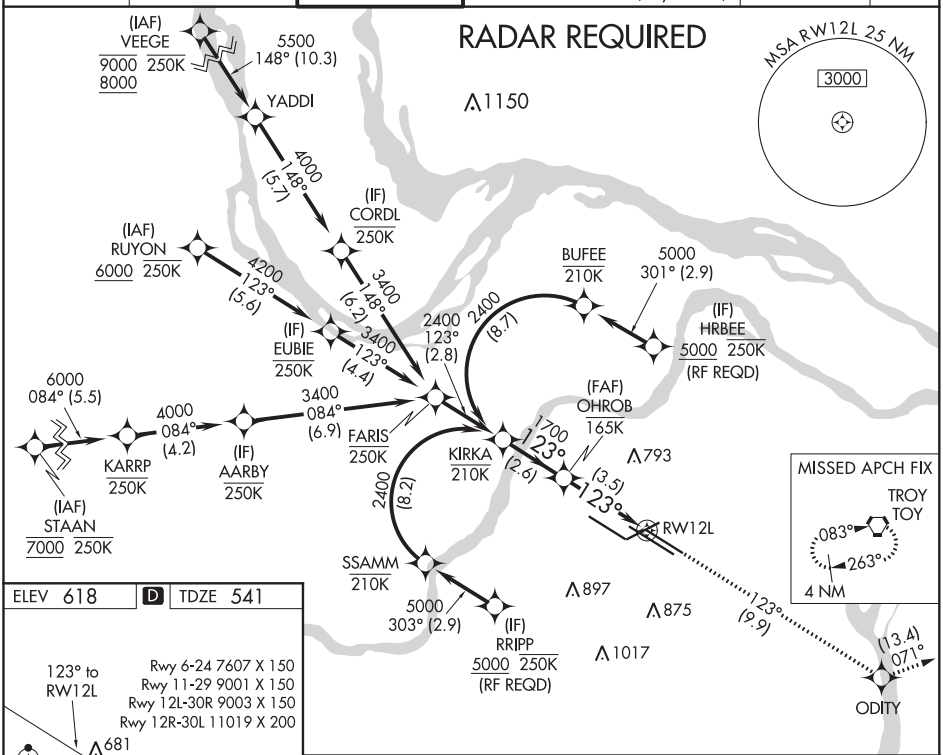
RNAV (RNP) Z RWY 12L
ST LOUIS LAMBERT INTL (STL)

For uncompensated Baro-VNAV systems, procedure NA below -16°C (4°F) or above 54°C (130°F). GPS required. For inop ALS, increase RNP 0.30 all Cats visibility to 1¾ SM. Simultaneous approach authorized with Rwy 11, except for arrivals at RRIPP and HRBEE. Use of FD or AP required during simultaneous operations.

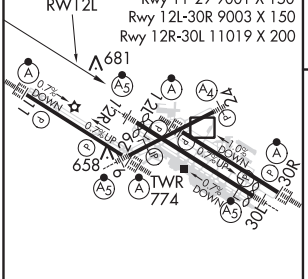
ALSF-2

MISSED APPROACH: Climb to 3000 on track 123° to ODITY and on track 071° to TOY VORTAC and hold.

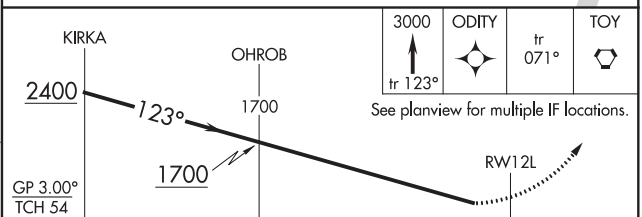
D-ATIS	ST. LOUIS APP CON	ST. LOUIS TOWER	GND CON	CLNC DEL	CPDLC
125.025 379.925	132.125 360.6	120.05 284.6	121.9 348.6 (Inbound) 121.65 377.175 (Outbound) 118.925 227.125 (Rwy 11/29)	119.5 363.1	



ELEV 618 | D | TDZE 541



HIRL all Rwys
TDZ/CL Rwys 11, 12L, 12R, 29, and 30R



CATEGORY	A	B	C	D
RNP 0.30 DA	1043/60 502 (500-1¼)			

AUTHORIZATION REQUIRED

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

ST. LOUIS, MISSOURI — AL-360 (FAA) — 21056

RNAV (RNP) Z RWY 12R
ST LOUIS LAMBERT INTL (STL)

APP CRS	Rwy ldg	10552
123°	TDZE	540
	Apt Elev	618

For uncompensated Baro-VNAV systems, procedure NA below -16°C (4°F) or above 54°C (130°F). GPS required. For inop ALS, increase RNP 0.30 all Cats visibility to 1½ SM. Simultaneous approach authorized with Rwy 11 except for arrivals at RRIPP and HRBEE. Use of FD or AP required during simultaneous operations.

MALSR

MISSED APPROACH: Climb to 5000 on track 123° to FONTI and hold, continue climb-in-hold to 5000.

D-ATIS	ST. LOUIS APP CON	ST. LOUIS TOWER	GND CON	CLNC DEL	CPDLC
125.025 379.925	132.125 360.6	118.5 257.7	121.9 348.6 (Inbound) 121.65 377.175 (Outbound) 118.925 227.125 (Rwy 11/29)	119.5 363.1	

RADAR REQUIRED

MSA RW12R 25 NM
3000

(IAF) VEEGE 9000 8000
5500 148° (10.3)
YADDI
4000 148° (5.7)
(IF) CORDL
3000 150° (6.4)
(IAF) JACSN 6000
5000 123° (3.1)
PAULY
3600 123° (5.3)
NAIRN
3000 123° (2.2)
FAULK
2300 (9)
BUFEE 210K
5000 301° (2.9)
(IF) HRBEE 5000 (RF REQD)
KLISH 180K
2300 123° (2.8)
(FAF) HOPWD
1700 123° (2.1)
123° (3.5)
RW12R
2300 (7.9)
DUZER 210K
5000 303° (2.9)
(IF) RRIPP 5000 (RF REQD)
123° (13)
(IAF) STAAN 7000
6000 084° (5.5)
KARRP
4000 084° (4.2)
(IF) AARBY
3000 085° (6.8)

1150 793 897 875 1017

MISSED APCH FIX
129° 6 NM FONTI 309°

ELEV 618 | D | TDZE 540

Rwy 6-24 7607 X 150
Rwy 11-29 9001 X 150
Rwy 12L-30R 9003 X 150
Rwy 12R-30L 11019 X 200

123° to RW12R

681 658 TWR 774

See planview for multiple IF locations.

HOPWD 1700 — 123° — RW12R

5000 tr 123° FONTI

GP 3.00° TCH 54

3.5 NM

CATEGORY	A	B	C	D
RNP 0.30 DA	998/60 458 (400-1¼)			

AUTHORIZATION REQUIRED

HIRL all Rwys
TDZ/CL Rwys 11, 12L, 12R, 29, and 30R

NC-3, 25 FEB 2021 to 22 APR 2021

APP CRS	Rwy ldg	9001
303°	TDZE	580
	Apt Elev	618

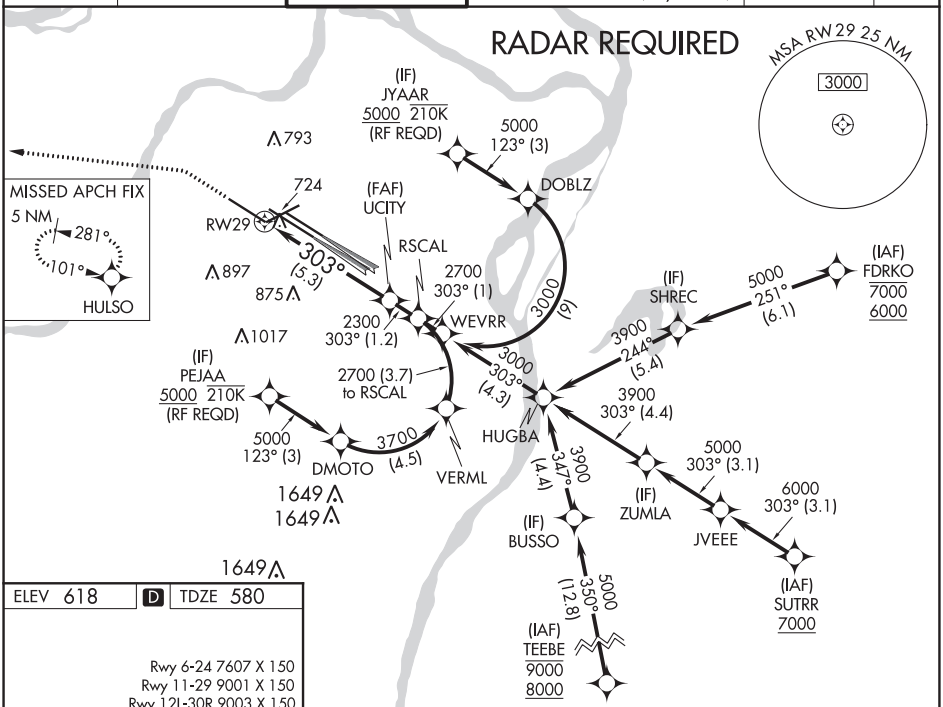
RNAV (RNP) Z RWY 29
ST LOUIS LAMBERT INTL (STL)

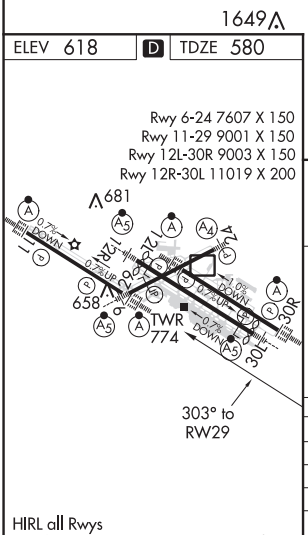
For uncompensated Baro-VNAV systems, procedure NA below -16°C (4°F) or above 54°C (130°F). Simultaneous approach authorized with Rwy 30L/R. Use of FD or AP providing RNAV track guidance required during simultaneous operations. GPS required. For inop ALS, increase RNP 0.12 all Cats visibility to RVR 6000, increase RNP 0.17 all Cats visibility to 1½ , and increase RNP 0.30 all Cats visibility to 1¾.

ALSF-2

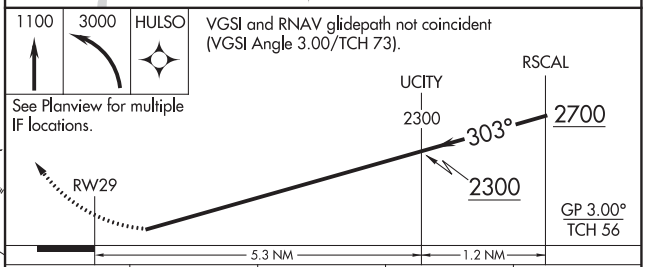
MISSED APPROACH: Climb to 1100 then climbing left turn to 3000 direct HULSO and hold.

D-ATIS	ST. LOUIS APP CON	ST. LOUIS TOWER	GND CON	CLNC DEL	CPDLC
125.025 379.925	132.125 360.6	132.475 239.275	121.9 348.6 (Inbound) 121.65 377.175 (Outbound) 118.925 227.125 (Rwy 11/29)	119.5 363.1	





HIRL all Rwys
TDZ/CL Rwys 11, 12L, 12R, 29, and 30R



CATEGORY	A	B	C	D
RNP 0.12 DA	963/50	383 (400-1)		
RNP 0.17 DA	1035/50	455 (500-1)		
RNP 0.30 DA	1088/60	508 (500-1¼)		

AUTHORIZATION REQUIRED

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

ST. LOUIS, MISSOURI — AL-360 (FAA) — 21056

RNAV (RNP) Z RWY 30L
ST LOUIS LAMBERT INTL (STL)

APP CRS	Rwy ldg	10818
303°	TDZE	583
	Apt Elev	618

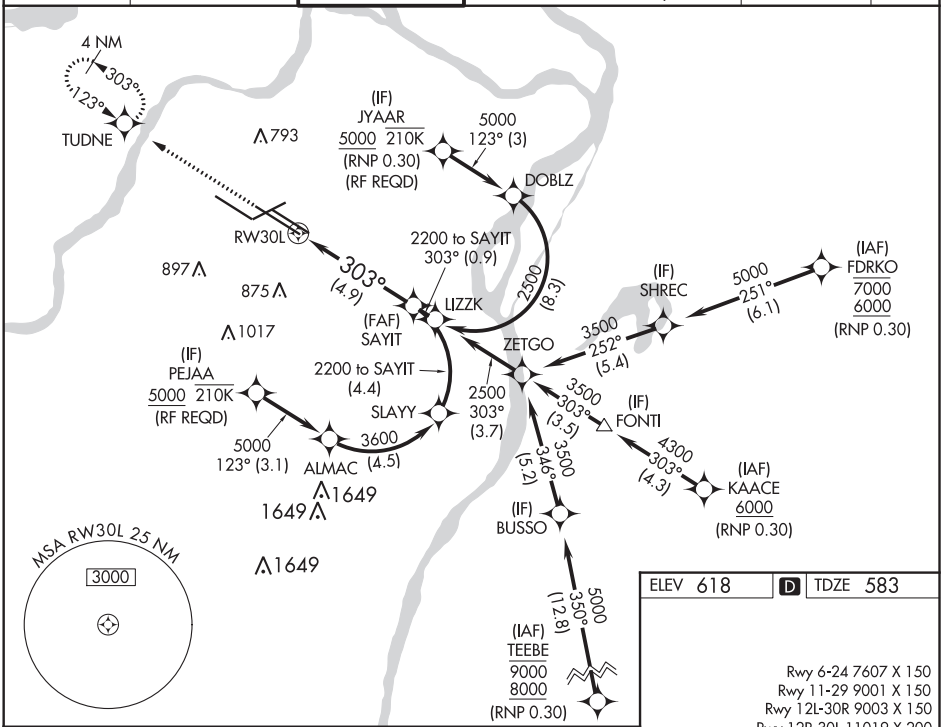
RNP AR APCH.

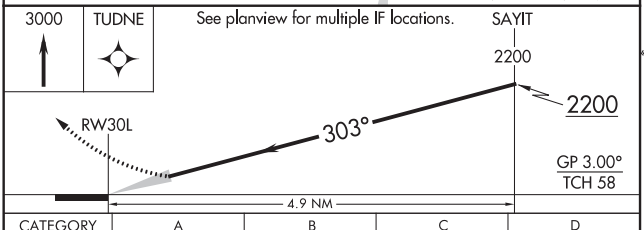
T Use of FD or AP required during simultaneous operations. Simultaneous approach authorized with Rwy 29, except for arrivals at JYAAR and PEJAA. For uncompensated Baro-VNAV systems, procedure NA below -18°C or above 54°C. For inop ALS, increase RNP 0.15 all Cats visibility to RVR 5500 and RNP 0.30 all Cats visibility to RVR 6000.

MALSR

MISSED APPROACH: Climb to 3000 direct TUDNE and hold, continue climb-in-hold to 3000.

D-ATIS	ST. LOUIS APP CON	ST. LOUIS TOWER	GND CON	CLNC DEL	CPDLC
125.025 379.925	132.125 360.6	118.5 257.7	121.9 348.6 (Inbound) 121.65 377.175 (Outbound) 118.925 227.125 (Rwy 11/29)	119.5 363.1	



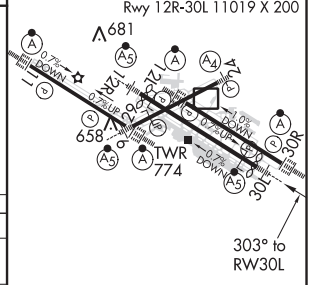


CATEGORY	A	B	C	D
RNP 0.15 DA	947/35 364 (400-⅝)			
RNP 0.30 DA	998/40 415 (400-¾)			

AUTHORIZATION REQUIRED

ELEV 618 D TDZE 583

Rwy 6-24 7607 X 150
Rwy 11-29 9001 X 150
Rwy 12L-30R 9003 X 150
Rwy 12R-30L 11019 X 200



HIRL all Rwys
TDZ/CL Rwys 11, 12L, 12R, 29, and 30R

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

APP CRS	Rwy ldg	9003
303°	TDZE	605
	Apt Elev	618

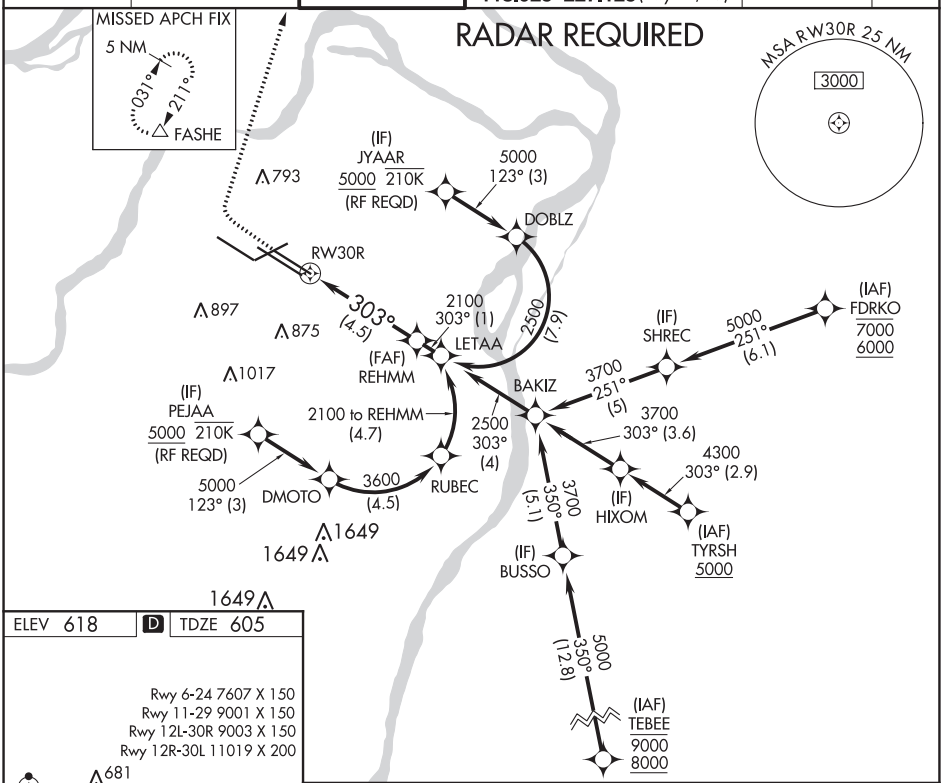
RNAV (RNP) Z RWY 30R
ST LOUIS LAMBERT INTL (STL)

For uncompensated Baro-VNAV systems, procedure NA below -16°C (4°F) or above 54°C (130°F). GPS required. Simultaneous approach authorized with Rwy 29, except for arrivals at JYAAR and PEJAA. Use of FD or AP required during simultaneous operations. For inop ALS, increase RNP 0.30 all Cats visibility to RVR 6000.

ALSF-2

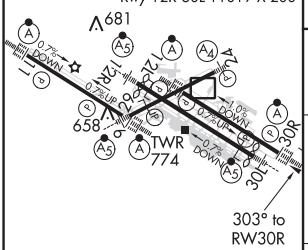
MISSED APPROACH: Climb to 1100 then climbing right turn to 3000 direct FASHE and hold.

D-ATIS	ST. LOUIS APP CON	ST. LOUIS TOWER	GND CON	CLNC DEL	CPDLC
125.025 379.925	132.125 360.6	120.05 284.6	121.9 348.6 (Inbound) 121.65 377.175 (Outbound) 118.925 227.125 (Rwy 11/29)	119.5 363.1	



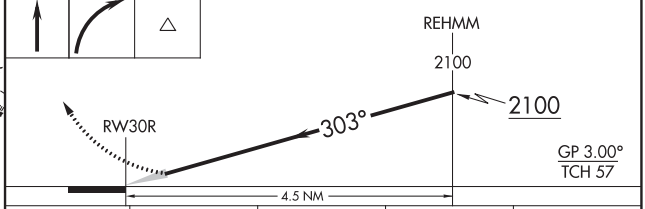
ELEV 618 | D | TDZE 605

Rwy 6-24 7607 X 150
Rwy 11-29 9001 X 150
Rwy 12L-30R 9003 X 150
Rwy 12R-30L 11019 X 200



1100	3000	FASHE
↑	↗	△

See planview for multiple IF locations.



CATEGORY	A	B	C	D
RNP 0.30 DA	969/40 364 (400-¾)			

HIRL all Rwys
TDZ/CL Rwys 11, 12L, 12R, 29, and 30R

AUTHORIZATION REQUIRED

NC-3, 25 FEB 2021 to 22 APR 2021

ST. LOUIS, MISSOURI — AL-360 (FAA) — 21056

APP CRS	Rwy ldg	7352
064°	TDZE	551
	Apt Elev	618

RNAV (GPS) RWY 6
ST LOUIS LAMBERT INTL (STL)

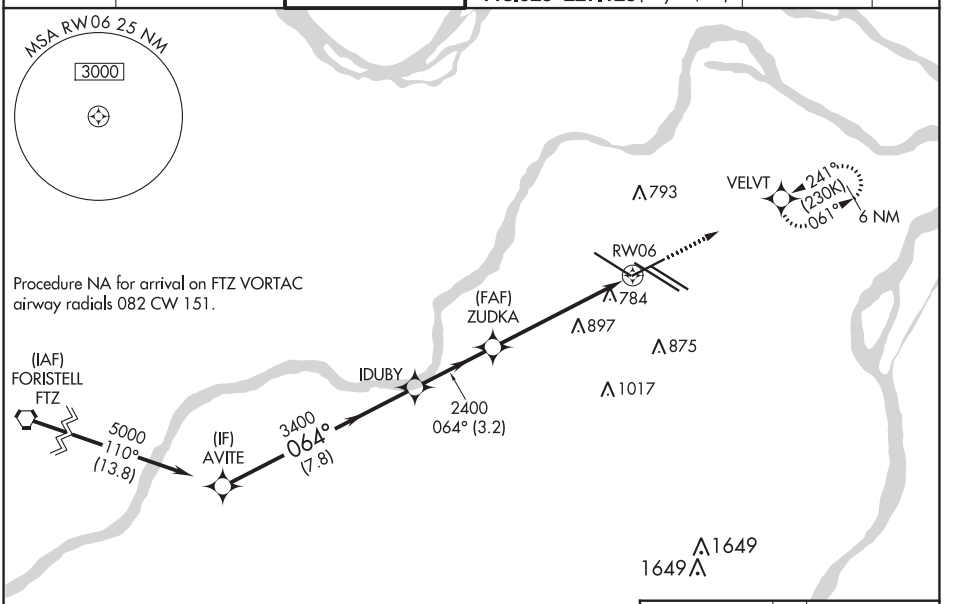
RNP APCH.

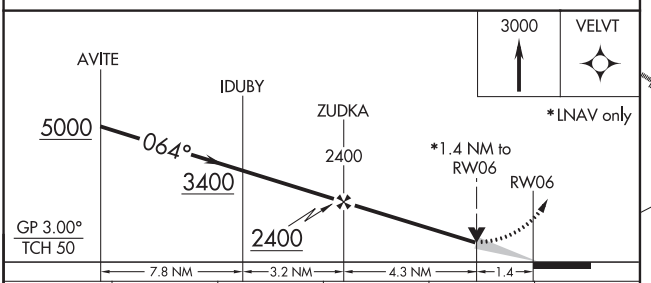
WAAS VNAV NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -18°C or above 54°C. For inop ALS increase LNAV/VNAV Cat E visibility to 1⅝ SM and LNAV Cats C/D/E visibility to 1⅜ SM.

MALSR

MISSED APPROACH: Climb to 3000 direct VELVT and hold, continue climb-in-hold to 3000.

D-ATIS	ST. LOUIS APP CON	ST. LOUIS TOWER	GND CON	CLNC DEL	CPDLC
125.025 379.925	132.125 360.6	132.475 239.275	121.9 348.6 (Inbound) 121.65 377.175 (Outbound) 118.925 227.125 (Rwy 11/29)	119.5 363.1	

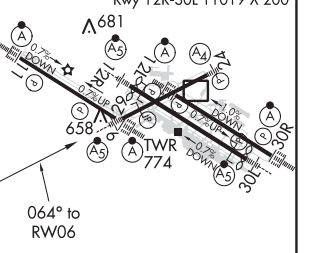




CATEGORY	A	B	C	D	E
LNAV/VNAV DA	1103/60 552 (500-1¼)				
LNAV MDA	1040/24 489 (500-½)		1040/50 489 (500-1)		

ELEV 618 | D | TDZE 551

Rwy 6-24 7607 X 150
Rwy 11-29 9001 X 150
Rwy 12L-30R 9003 X 150
Rwy 12R-30L 11019 X 200



HIRL all Rwys
TDZ/CL Rwys 11, 12L, 12R, 29, and 30R

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 87021 W24A	APP CRS 244°	Rwy ldg 7602 TDZE 534 Apt Elev 618

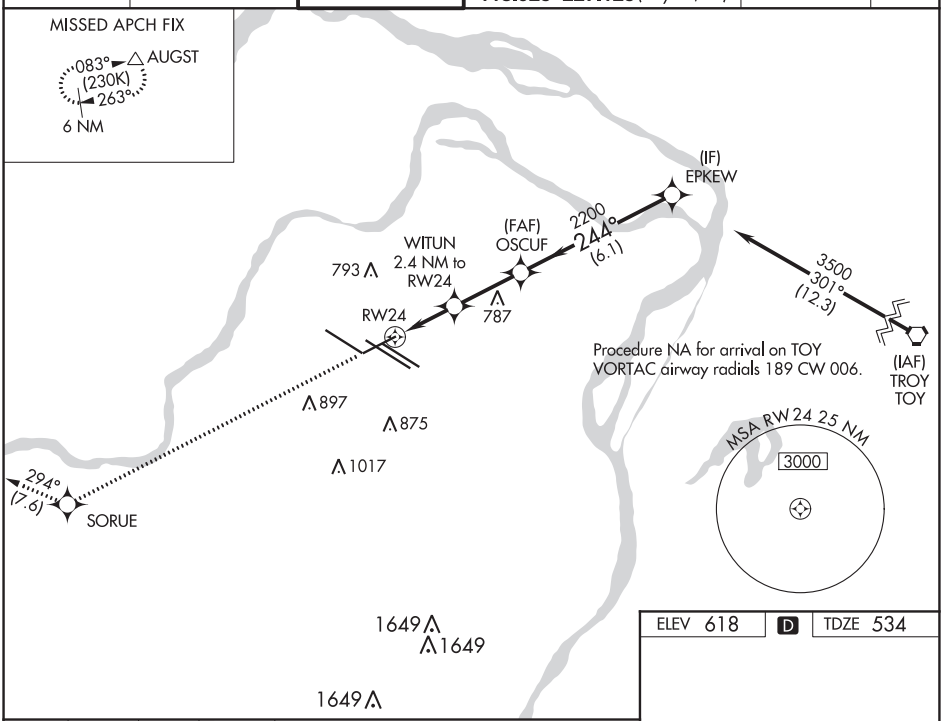
RNAV (GPS) RWY 24
ST LOUIS LAMBERT INTL (STL)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). Rwy 24 helicopter visibility reduction below ¾ SM NA. DME/DME RNP-0.3 NA. For inop ALS, increase LNAV/VNAV all Cats visibility to 1⅜ and LNAV Cats C, D and E visibility to 1⅝ .

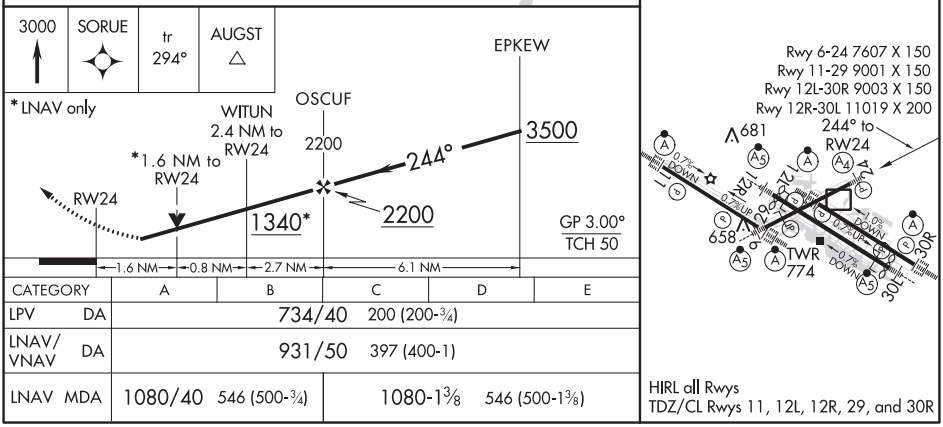
MALS A4

MISSED APPROACH: Climb to 3000 direct SORUE and on track 294° to AUGST and hold.

D-ATIS	ST. LOUIS APP CON	ST. LOUIS TOWER	GND CON	CLNC DEL	CPDLC
125.025 379.925	132.125 360.6	120.05 284.6	121.9 348.6 (Inbound) 121.65 377.175 (Outbound) 118.925 227.125 (Rwy 11/29)	119.5 363.1	



ELEV 618	D	TDZE 534



CATEGORY	A	B	C	D	E
LPV DA	734/40 200 (200-¾)				
LNAV/VNAV DA	931/50 397 (400-1)				
LNAV MDA	1080/40 546 (500-¾)		1080-1⅜ 546 (500-1⅜)		

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

ST. LOUIS, MISSOURI AL-360 (FAA) 21056

WAAS CH 82699 W11A	APP CRS 123°	Rwy ldg 9001 TDZE 618 Apt Elev 618

RNAV (GPS) Y RWY 11
ST LOUIS LAMBERT INTL (STL)

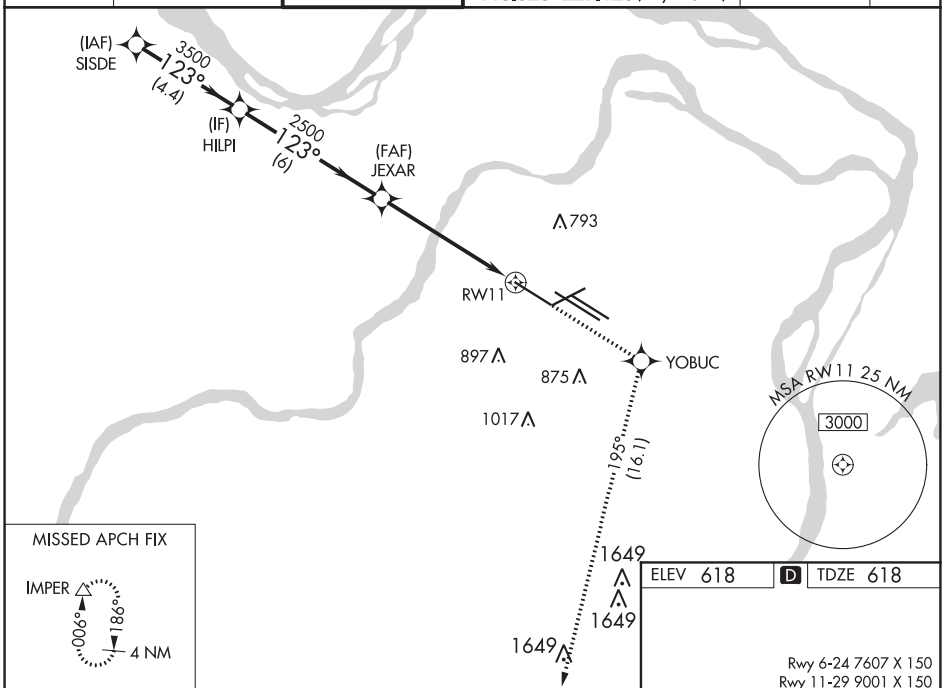
RNP APCH.

Simultaneous approach authorized. Use of FD or AP required during simultaneous operations. LNAV procedure NA during simultaneous operations. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C or above 54°C. For inop ALS, increase LPV Cat E visibility to RVR 4000 and LNAV Cat E visibility to 1¼ SM.

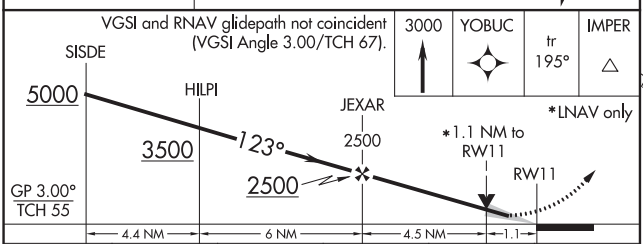
ALSF-2

MISSED APPROACH: Climb to 3000 direct YOBUC and on track 195° to IMPER and hold.

D-ATIS	ST. LOUIS APP CON	ST. LOUIS TOWER	GND CON	CLNC DEL	CPDLC
125.025 379.925	132.125 360.6	132.475 239.275	121.9 348.6 (Inbound) 121.65 377.175 (Outbound) 118.925 227.125 (Rwy 11/29)	119.5 363.1	

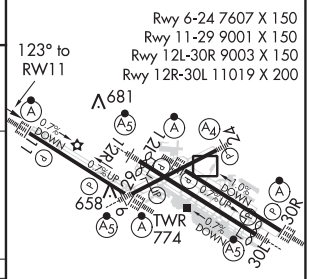


VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 67).



CATEGORY	A	B	C	D	E
LPV DA	868/18 250 (300-½)				
LNAV/VNAV DA	960/40 342 (400-¾)				
LNAV MDA	1040/24 422 (500-½)		1040/40 422 (500-¾)	1040/50 422 (500-1)	

ELEV 618 D TDZE 618



HIRL all Rwys
TDZ/CL Rwys 11, 12L, 12R, 29, and 30R

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

ST. LOUIS, MISSOURI
Orig-E 30JAN20 38°45'N-90°22'W

ST LOUIS LAMBERT INTL (STL)
RNAV (GPS) Y RWY 11

WAAS CH 69499 W12A	APP CRS 123°	Rwy ldg 9003 TDZE 541 Apt Elev 618

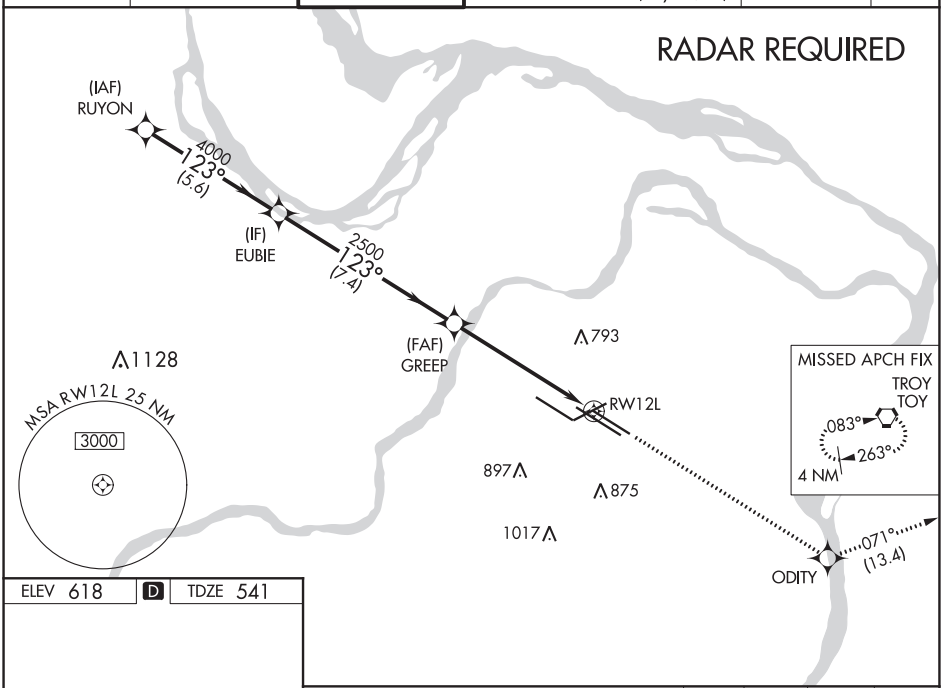
RNAV (GPS) Y RWY 12L
ST LOUIS LAMBERT INTL (STL)

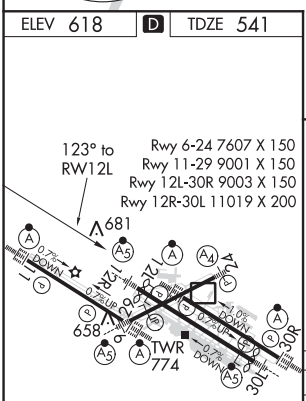
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. For inop ALS, increase LPV all Cats visibility to 1½ SM, LNAV/VNAV Cat E visibility to 1¾ SM, and LNAV Cat E visibility to 1¾ SM. Simultaneous approach authorized with Rwy 11. LNAV procedure NA during simultaneous operations. Use of FD or AP required during simultaneous operations.

ALSF-2

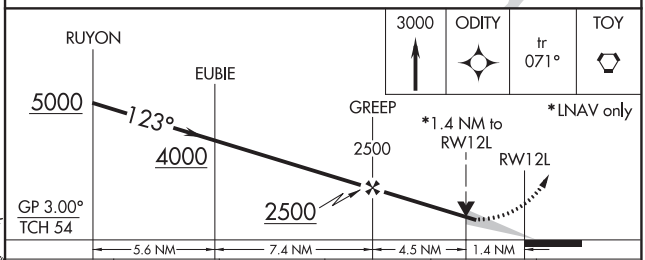
MISSED APPROACH: Climb to 3000 direct ODITY and on track 071° to TOY VORTAC and hold.

D-ATIS	ST. LOUIS APP CON	ST. LOUIS TOWER	GND CON	CLNC DEL	CPDLC
125.025 379.925	132.125 360.6	120.05 284.6	121.9 348.6 (Inbound) 121.65 377.175 (Outbound) 118.925 227.125 (Rwy 11/29)	119.5 363.1	





HIRL all Rwys
TDZ/CL Rwys 11, 12L, 12R, 29, and 30R



CATEGORY	A	B	C	D	E
LPV DA	951/50 410 (400-1)				
LNAV/VNAV DA	1040/60 499 (500-1¼)				
LNAV MDA	1040/24 499 (500-½)	1040/40 499 (500-¾)	1040/50 499 (500-1)	1040/60 499 (500-1¼)	

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

ST. LOUIS, MISSOURI — AL-360 (FAA) — 21056

RNAV (GPS) Y RWY 12R
ST LOUIS LAMBERT INTL (STL)

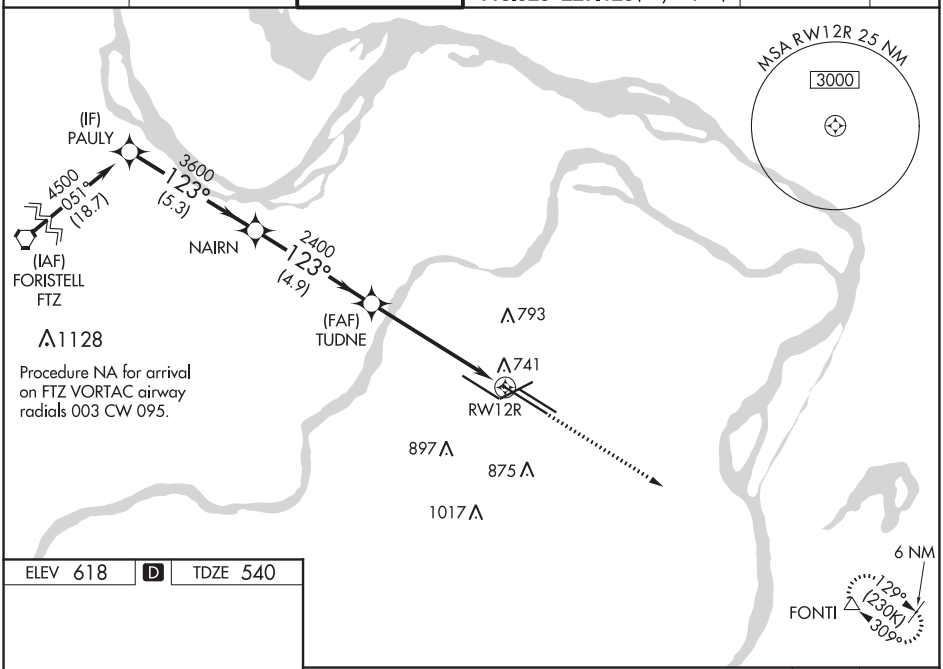
WAAS CH 78121 W12B	APP CRS 123°	Rwy ldg 10552 TDZE 540 Apt Elev 618

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130° F). DME/DME RNP-0.3 NA. For inop ALS, increase LPV Cat E visibility to RVR 4000, LNAV Cats A/B visibility to RVR 5000, and LNAV Cat E visibility to 1½ SM. Inop table does not apply to LNAV/VNAV. Simultaneous approach authorized with Rwy 11. LNAV procedure NA during simultaneous operations. Use of FD or AP required during simultaneous operations.

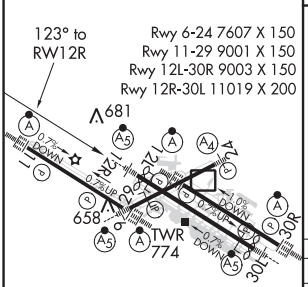
MALSR

MISSED APPROACH: Climb to 5000 direct FONTI and hold, continue climb-in-hold to 5000.

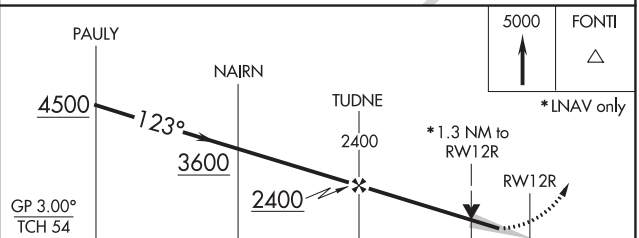
D-ATIS	ST. LOUIS APP CON	ST. LOUIS TOWER	GND CON	CLNC DEL	CPDLC
125.025 379.925	132.125 360.6	118.5 257.7	121.9 348.6 (Inbound) 121.65 377.175 (Outbound) 118.925 227.125 (Rwy 11/29)	119.5 363.1	



ELEV 618 | D | TDZE 540



HIRL all Rwys
TDZ/CL Rwys 11, 12L, 12R, 29, and 30R



CATEGORY	A	B	C	D	E
LPV DA	740/18 200 (200-½)				
LNAV/VNAV DA	1103-2 563 (500-2)				
LNAV MDA	1000/40 460 (400-¾)			1000/50 460 (400-1)	

ST. LOUIS, MISSOURI
Amdt 1D 29MAR18

38°45'N-90°22'W

ST LOUIS LAMBERT INTL (STL)
RNAV (GPS) Y RWY 12R

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 42500 W29A	APP CRS 303°	Rwy ldg 9001 TDZE 580 Apt Elev 618

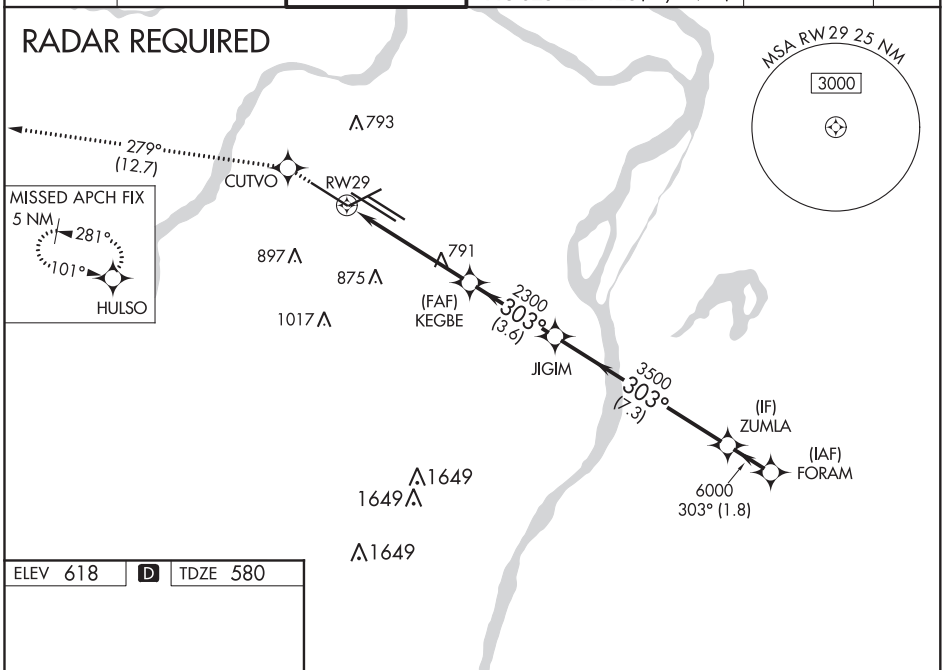
RNAV (GPS) Y RWY 29
ST LOUIS LAMBERT INTL (STL)

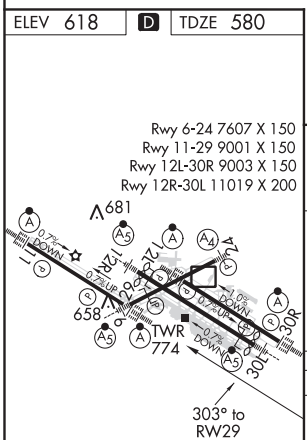
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). Rwy 29 helicopter visibility reduction below ¾ SM NA. Simultaneous approach authorized with Rwy 30R/L. LNAV procedure NA during simultaneous operations. Use of FD or AP providing RNAV track guidance required during simultaneous operations. DME/DME RNP-0.3 NA. For inop ALS, increase LPV all Cats visibility to RVR 6000, increase LNAV/VNAV Cat E visibility to 1¾, increase LNAV Cat A and B visibility to 1, Cat E visibility to 1¾.

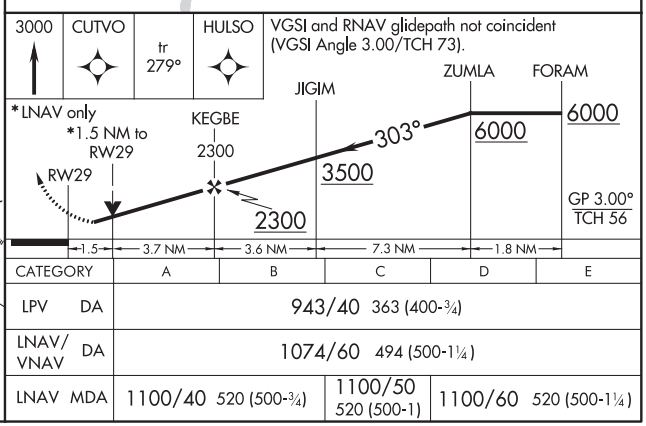
ALSF-2

MISSED APPROACH: Climb to 3000 direct CUTVO and on track 279° to HULSO and hold.

D-ATIS	ST. LOUIS APP CON	ST. LOUIS TOWER	GND CON	CLNC DEL	CPDLC
125.025 379.925	132.125 360.6	132.475 239.275	121.9 348.6 (Inbound) 121.65 377.175 (Outbound) 118.925 227.125 (Rwy 11/29)	119.5 363.1	







CATEGORY	A	B	C	D	E
LPV DA	943/40 363 (400-¾)				
LNAV/VNAV DA	1074/60 494 (500-1¼)				
LNAV MDA	1100/40 520 (500-¾)		1100/50 520 (500-1)	1100/60 520 (500-1¼)	

HIRL all Rwys
TDZ/CL Rwys 11, 12L, 12R, 29, and 30R

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

ST. LOUIS, MISSOURI — AL-360 (FAA) — 21056

RNAV (GPS) Y RWY 30L
ST LOUIS LAMBERT INTL (STL)

WAAS CH 99621 W30B	APP CRS 303°	Rwy ldg 10818 TDZE 583 Apt Elev 618

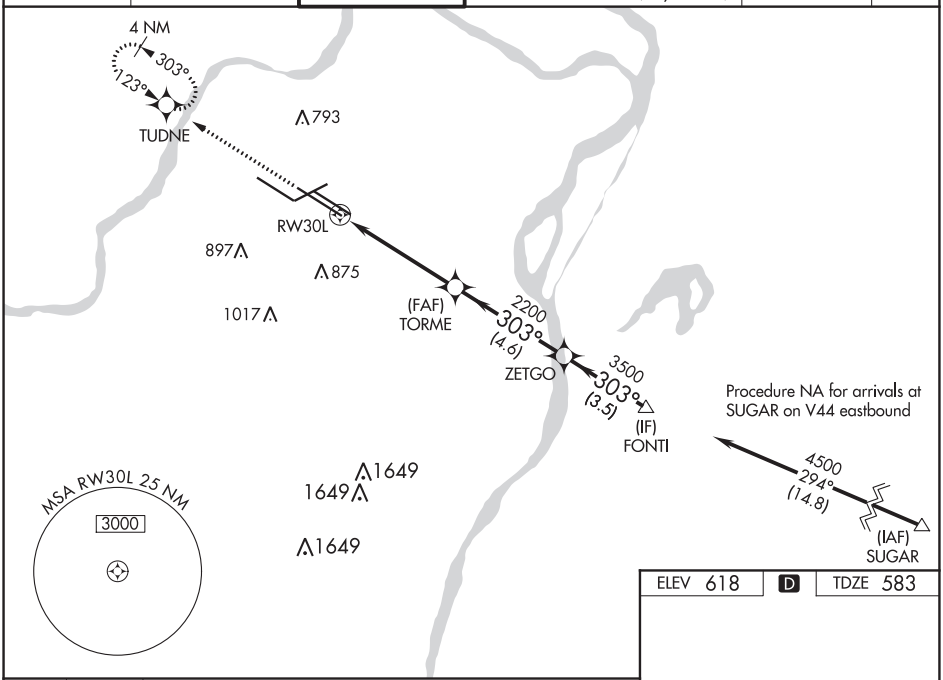
RNP APCH.

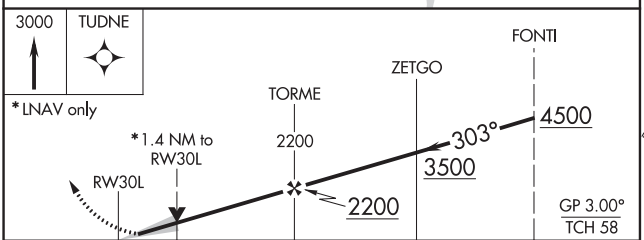
LNAV procedure NA during simultaneous operations. Use of FD or AP required during simultaneous operations. Simultaneous approach authorized with Rwy 29. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -18°C or above 54°C. For inop ALS, increase LNAV Cat C/D visibility to 1⅜ SM.
RVR 1800 authorized with use of FD or AP or HUD to DA.

MALSR

MISSED APPROACH: Climb to 3000 direct TUDNE and hold, continue climb-in-hold to 3000.

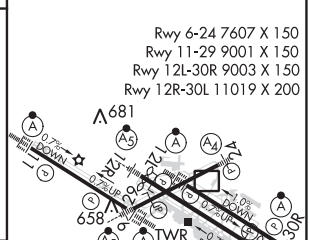
D-ATIS	ST. LOUIS APP CON	ST. LOUIS TOWER	GND CON	CLNC DEL	CPDLC
125.025 379.925	132.125 360.6	118.5 257.7	121.9 348.6 (Inbound) 121.65 377.175 (Outbound) 118.925 227.125 (Rwy 11/29)	119.5 363.1	





CATEGORY	A	B	C	D
LPV DA#	783/24 200 (200-½)			
LNAV/VNAV DA	974/35 391 (400-⅝)			
LNAV MDA	1100/24 517 (500-½)		1100/55 517 (500-1)	

ELEV 618 | D | TDZE 583



HIRL all Rwys
TDZ/CL Rwys 11, 12L, 12R, 29, and 30R

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

ST. LOUIS, MISSOURI
Amdt 2 26MAR20

38°45'N-90°22'W

ST LOUIS LAMBERT INTL (STL)
RNAV (GPS) Y RWY 30L

WAAS CH 73000 W30A	APP CRS 303°	Rwy ldg 9003 TDZE 605 Apt Elev 618

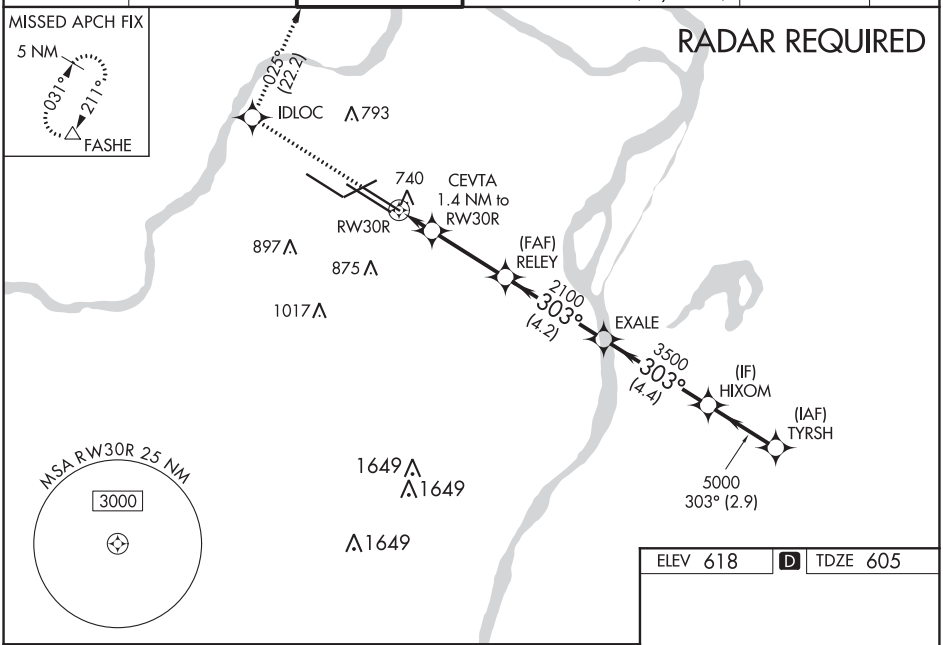
RNAV (GPS) Y RWY 30R
ST LOUIS LAMBERT INTL (STL)

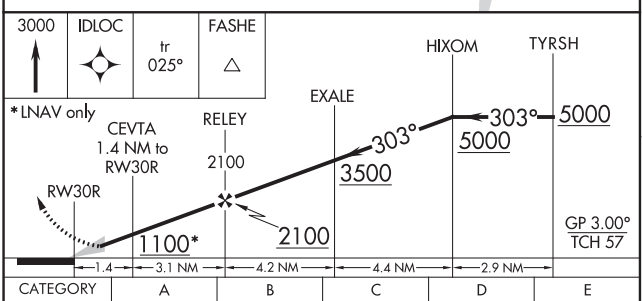
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. For inop ALS, increase LPV Cat E visibility to RVR 4000, LNAV/VNAV all Cats visibility to 4500, LNAV Cat D visibility to RVR 6000, and LNAV Cat E visibility to 1⅛ SM. Simultaneous approach authorized with Rwy 29. LNAV procedure NA during simultaneous operations. Use of FD or AP required during simultaneous operations.

ALSF-2

MISSED APPROACH: Climb to 3000 direct IDLOC and on track 025° to FASHE and hold.

D-ATIS	ST. LOUIS APP CON	ST. LOUIS TOWER	GND CON	CLNC DEL	CPDLC
125.025 379.925	132.125 360.6	120.05 284.6	121.9 348.6 (Inbound) 121.65 377.175 (Outbound) 118.925 227.125 (Rwy 11/29)	119.5 363.1	

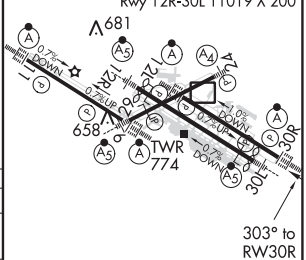




CATEGORY	A	B	C	D	E
LPV DA	805/18 200 (200-½)				
LNAV/VNAV DA	901/24 296 (300-½)				
LNAV MDA	1000/24 395 (400-½)		1000/35 395 (400-⅝)		

ELEV 618 | D | TDZE 605

Rwy 6-24 7607 X 150
Rwy 11-29 9001 X 150
Rwy 12L-30R 9003 X 150
Rwy 12R-30L 11019 X 200



HIRL all Rwys
TDZ/CL Rwys 11, 12L, 12R, 29, and 30R

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

ST. LOUIS, MISSOURI

TACAN RWY 12R

VORTAC STL	APCH CRS	Rwy ldg 10,552
117.4	142°	TDZE 540
Chan 121		Arpt Elev 618

AL-360 [USAF]

ST. LOUIS LAMBERT INTL (KSTL)

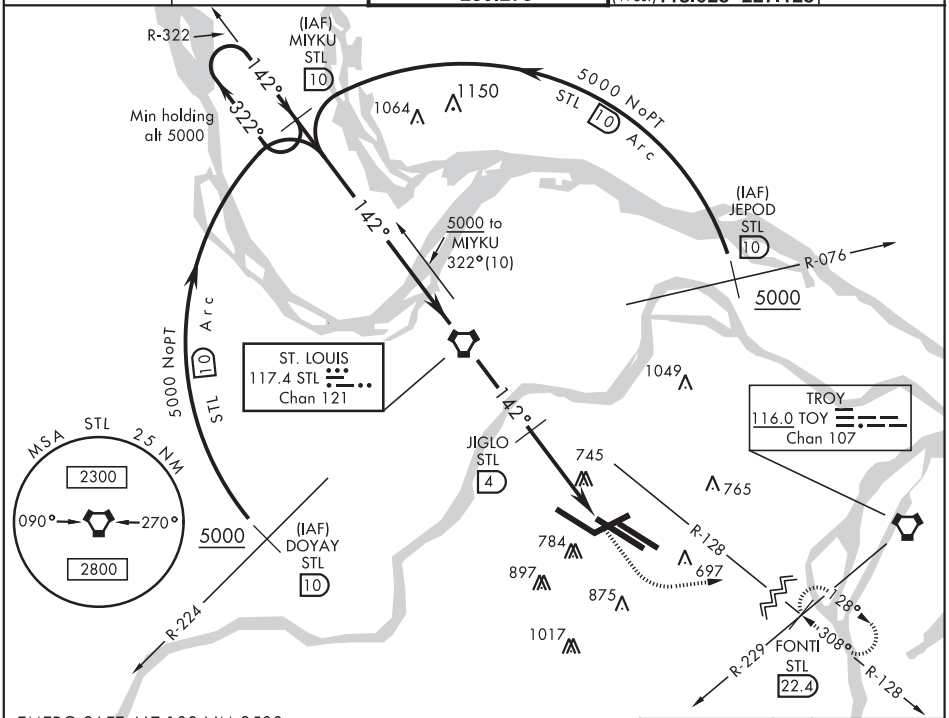
* Inoperative table does not apply.

NA Visibility reduction by helicopters NA

MALSR

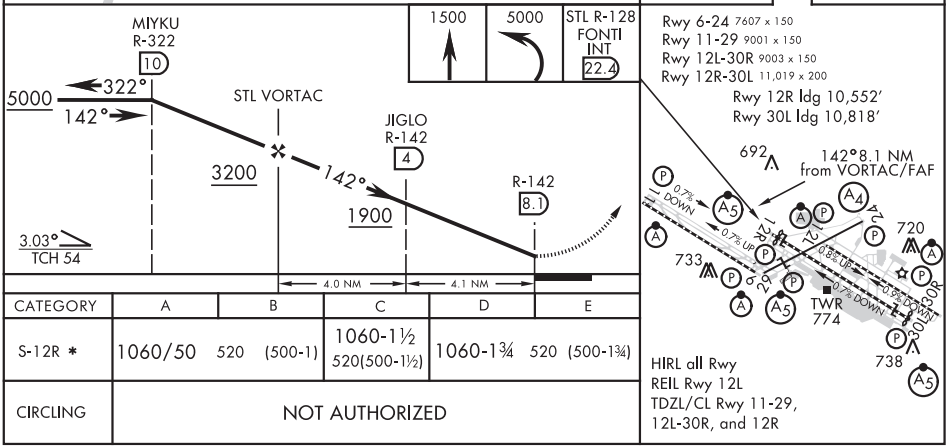
MISSED APPROACH: Climb to 1500 then climbing left turn to 5000 intercept STL R-128 to FONTI INT/STL 22.4 DME and hold, continue climb in hold.

ATIS	ST. LOUIS APP CON	ST. LOUIS TOWER N	W	S	GND CON		CLNC DEL
125.025 379.925	121.02 338.25	120.05 284.6	132.475 239.275	118.5 257.7	(Inbd) 121.9 348.6 (Outbd) 121.65 377.175 (West) 118.925 227.125		119.5 363.1



EMERG SAFE ALT 100 NM 3500

ELEV 618	TDZE 540



CATEGORY	A	B	C	D	E
S-12R *	1060/50 520 (500-1)		1060-1½ 520(500-1½)	1060-1¾ 520 (500-1¾)	
CIRCLING	NOT AUTHORIZED				

ST. LOUIS, MISSOURI

Amdt 1 18200

38°45'N-90°22'W

ST. LOUIS LAMBERT INTL (KSTL)

TACAN RWY 12R

NC-3, 25 FEB 2021 to 22 APR 2021

TACAN RWY 30L

ST. LOUIS LAMBERT INTL (KSTL)

VORTAC STL 117.4 Chan 121	APCH CRS 318°	Rwy ldg 10,818 TDZE 583 Arpt Elev 618	AL-360 [USAF]

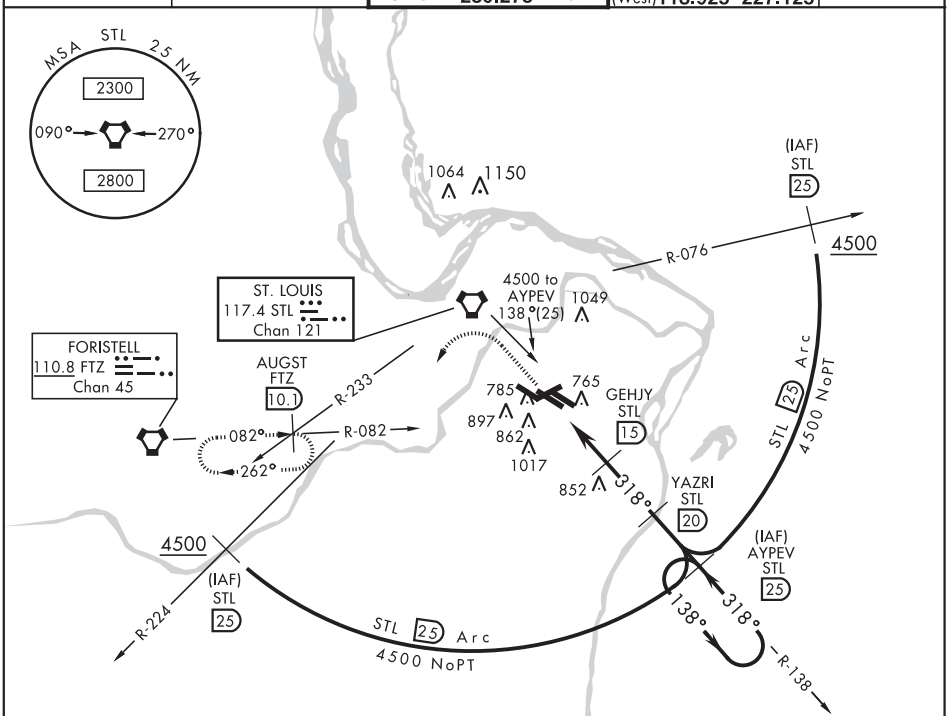
∗ Inoperative table does not apply.

NA

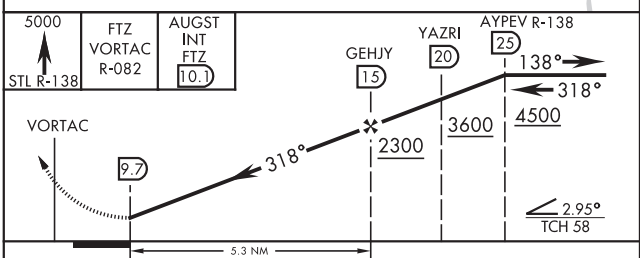
MALSR

MISSED APPROACH: Climb to 5000 via STL R-138 and FTZ VORTAC R-082 to AUGST INT/FTZ 10.1 DME and hold.

ATIS	ST. LOUIS APP CON	ST. LOUIS TOWER N	ST. LOUIS TOWER W	ST. LOUIS TOWER S	GND CON	CLNC DEL
125.025 379.925	121.02 338.25	120.05 284.6	132.475 239.275	118.5 257.7	(Inbd) 121.9 348.6 (Outbd) 121.65 377.175 (West) 118.925 227.125	119.5 363.1



EMERG SAFE ALT 100 NM 3500

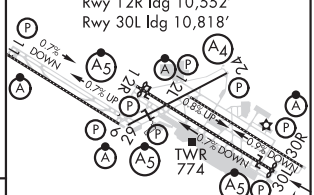


CATEGORY	A	B	C	D	E
S-30L ∗	1100/50 517 (500-1)		1100-1½ 517(500-1½)	1100-1¾ 517 (500-1¾)	
CIRCLING	NOT AUTHORIZED				

ELEV 618 TDZE 583

Rwy 6-24 7607 x 150
Rwy 11-29 9001 x 150
Rwy 12L-30R 9003 x 150
Rwy 12R-30L 11,019 x 200

Rwy 12R ldg 10,552′
Rwy 30L ldg 10,818′



HIRL All Rwy
REIL Rwy 12L
TDZL/CL Rwy 11-29, 12L-30R, and 12R

NC-3, 25 FEB 2021 to 22 APR 2021

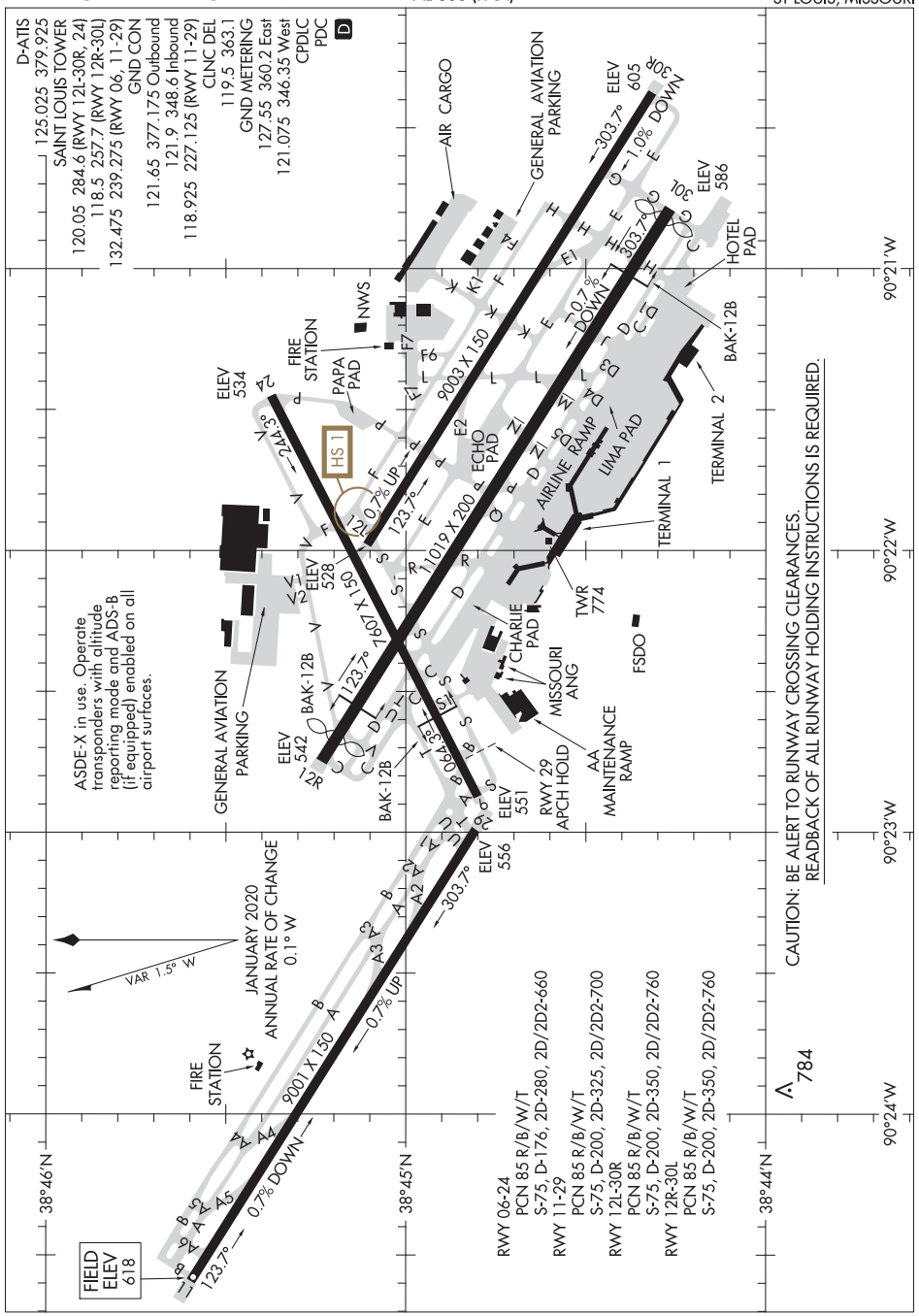
21056

AIRPORT DIAGRAM

ST LOUIS LAMBERT INTL (STL)

ST LOUIS, MISSOURI

AL-360 (FAA)



NC-3, 25 FEB 2021 to 22 APR 2021

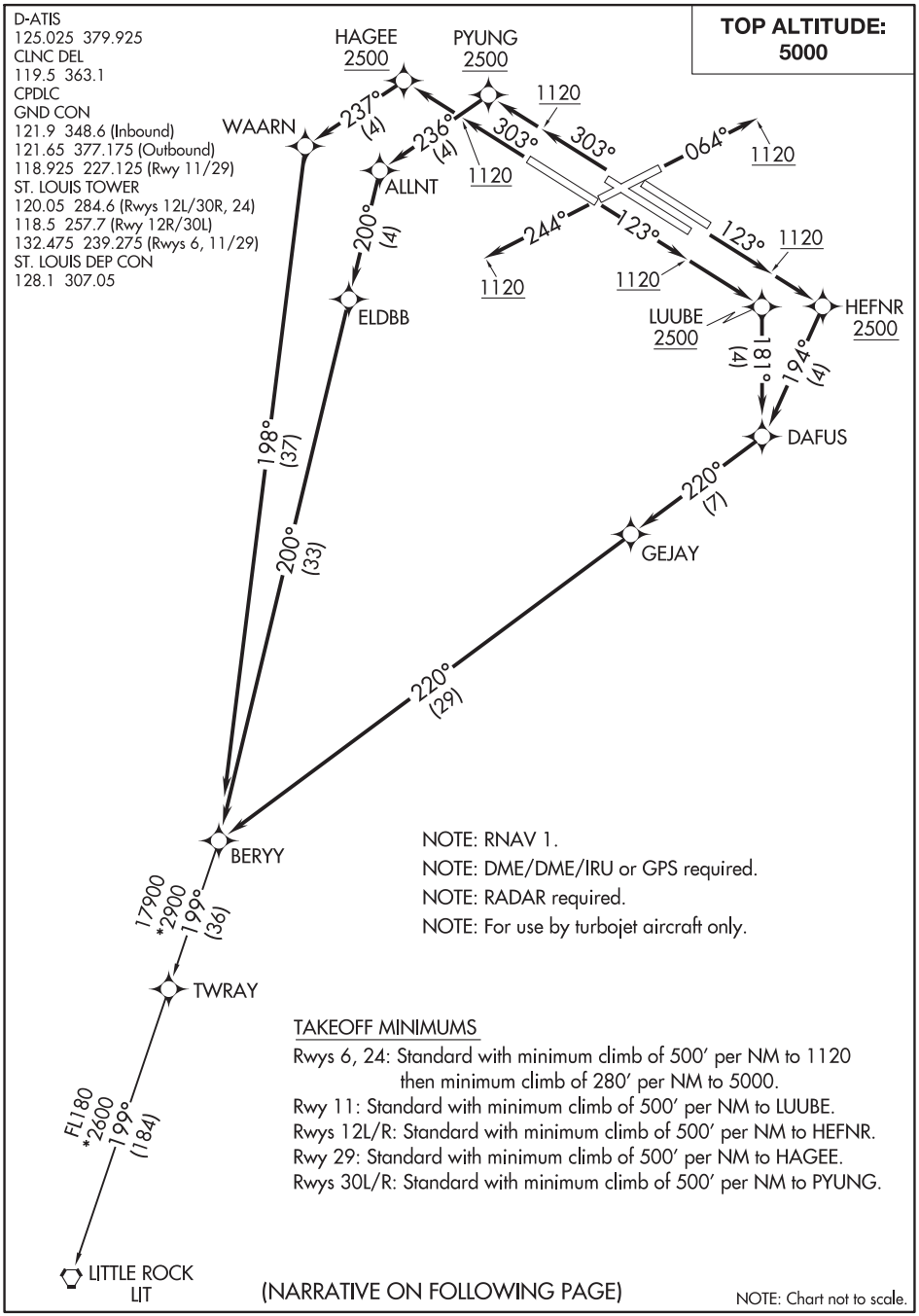
NC-3, 25 FEB 2021 to 22 APR 2021

AIRPORT DIAGRAM

ST LOUIS, MISSOURI

ST LOUIS LAMBERT INTL (STL)

21056


D-ATIS
125.025 379.925
CLNC DEL
119.5 363.1
CPDLC
GND CON
121.9 348.6 (Inbound)
121.65 377.175 (Outbound)
118.925 227.125 (Rwy 11/29)
ST. LOUIS TOWER
120.05 284.6 (Rwys 12L/30R, 24)
118.5 257.7 (Rwy 12R/30L)
132.475 239.275 (Rwys 6, 11/29)
ST. LOUIS DEP CON
128.1 307.05
TOP ALTITUDE: 5000
HAGEE 2500
PYUNG 2500
WAARN
ALLNT
ELDBB
LUUBE 2500
HEFNR 2500
DAFUS
GEJAY
BERYY
TWRAY
LITTLE ROCK LIT
237° (4)
236° (4)
303°
303°
064°
1120
200° (4)
244°
123°
123°
181° (4)
194° (4)
198° (37)
200° (33)
220° (7)
220° (29)
17900 *2900 199° (36)
FL180 *2600 199° (184)
NOTE: RNAV 1.
NOTE: DME/DME/IRU or GPS required.
NOTE: RADAR required.
NOTE: For use by turbojet aircraft only.
TAKEOFF MINIMUMS
Rwys 6, 24: Standard with minimum climb of 500′ per NM to 1120 then minimum climb of 280′ per NM to 5000.
Rwy 11: Standard with minimum climb of 500′ per NM to LUUBE.
Rwys 12L/R: Standard with minimum climb of 500′ per NM to HEFNR.
Rwy 29: Standard with minimum climb of 500′ per NM to HAGEE.
Rwys 30L/R: Standard with minimum climb of 500′ per NM to PYUNG.
(NARRATIVE ON FOLLOWING PAGE)
NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 6: Climb heading 064° to 1120, then as assigned by ATC, expect RADAR vectors to BERYY. Thence. . . .

TAKEOFF RUNWAY 24: Climb heading 244° to 1120, then as assigned by ATC, expect RADAR vectors to BERYY. Thence. . . .

TAKEOFF RUNWAY 11: Climb heading 123° to 1120, then direct LUUBE, cross LUUBE at or above 2500, then on depicted route to BERYY. Thence. . . .

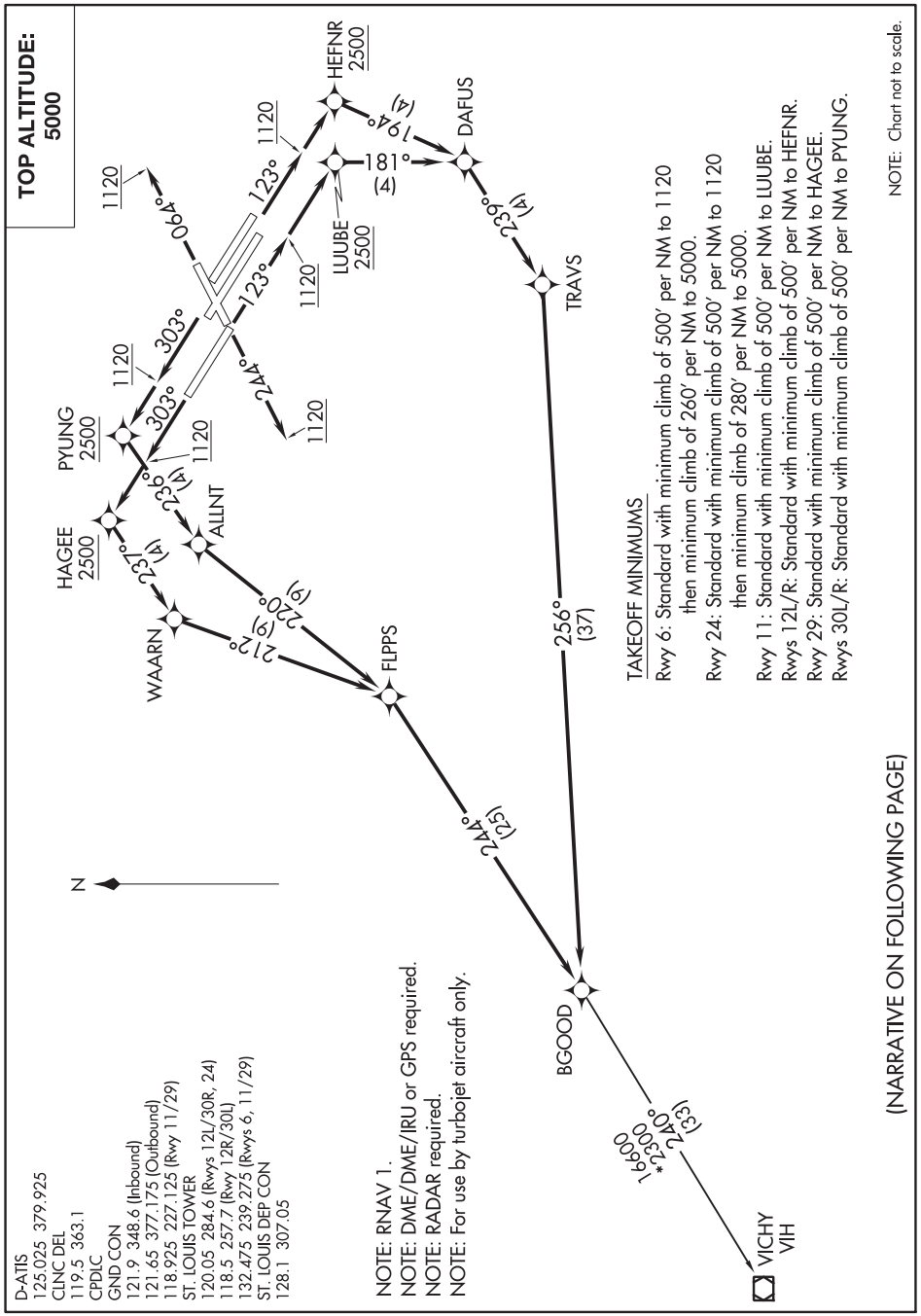
TAKEOFF RUNWAYS 12L/R: Climb heading 123° to 1120, then direct HEFNR, cross HEFNR at or above 2500, then on depicted route to BERYY. Thence. . . .

TAKEOFF RUNWAY 29: Climb heading 303° to 1120, then direct HAGEE, cross HAGEE at or above 2500, then on depicted route to BERYY. Thence. . . .

TAKEOFF RUNWAYS 30L/R: Climb heading 303° to 1120, then direct PYUNG, cross PYUNG at or above 2500, then on depicted route to BERYY. Thence. . . .

. . . . (transition). Maintain 5000, expect filed altitude 10 minutes after departure.

LITTLE ROCK TRANSITION (BERYY5.LIT)



(NARRATIVE ON FOLLOWING PAGE)

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 6: Climb heading 064° to 1120, then as assigned by ATC, expect RADAR vectors to BGOOD. Thence. . . .

TAKEOFF RUNWAY 24: Climb heading 244° to 1120, then as assigned by ATC, expect RADAR vectors to BGOOD. Thence. . . .

TAKEOFF RUNWAY 11: Climb heading 123° to 1120, then direct LUUBE, cross LUUBE at or above 2500, then on depicted route to BGOOD. Thence. . . .

TAKEOFF RUNWAYS 12L/R: Climb heading 123° to 1120, then direct HEFNR, cross HEFNR at or above 2500, then on depicted route to BGOOD. Thence. . . .

TAKEOFF RUNWAY 29: Climb heading 303° to 1120, then direct HAGEE, cross HAGEE at or above 2500, then on depicted route to BGOOD. Thence. . . .

TAKEOFF RUNWAYS 30L/R: Climb heading 303° to 1120, then direct PYUNG, cross PYUNG at or above 2500, then on depicted route to BGOOD. Thence. . . .

. . . . (transition). Maintain 5000, expect filed altitude 10 minutes after departure.

VICHY TRANSITION (BGOOD5.VIH)

NC-3, 25 FEB 2021 to 22 APR 2021

(BRAKK5.BRAKK) 18312

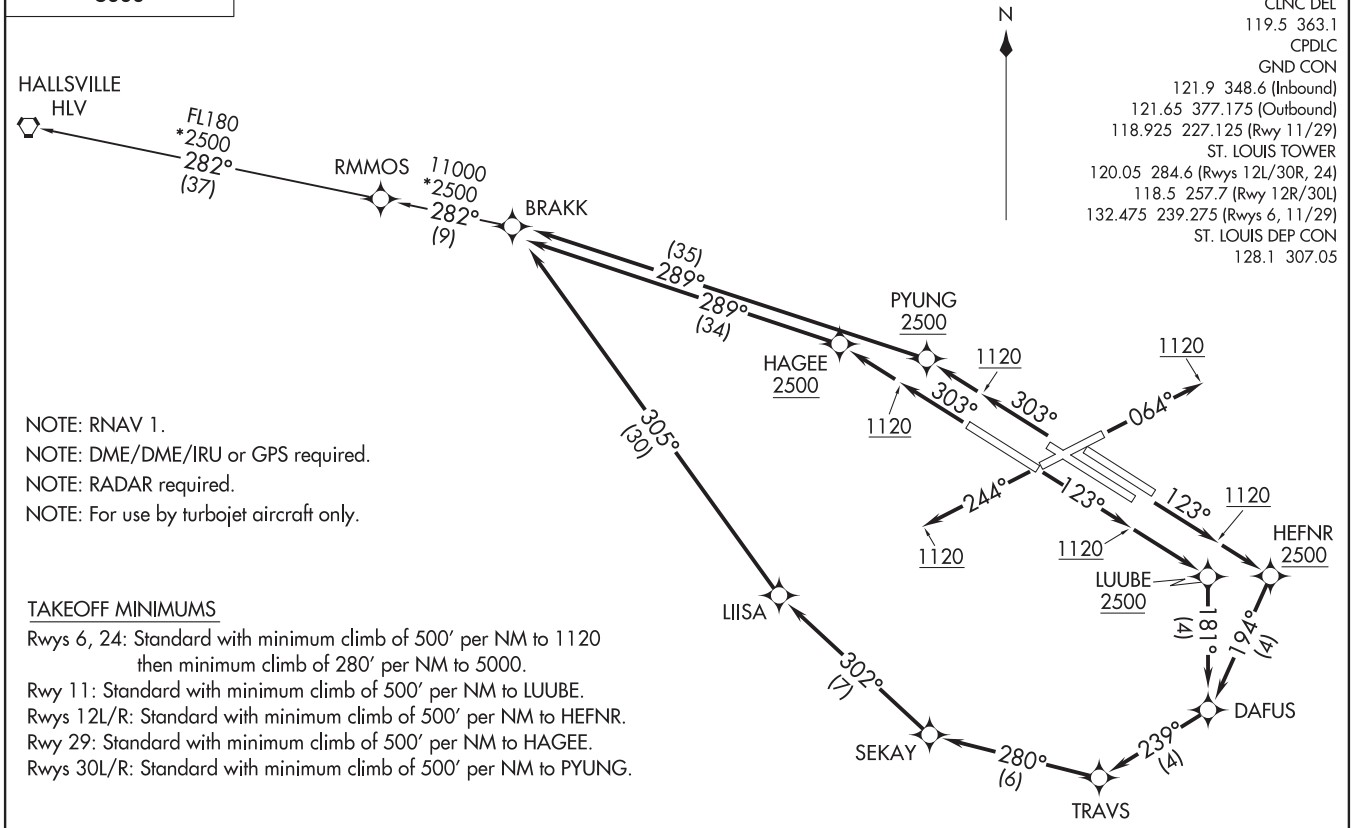
BRAKK FIVE DEPARTURE (RNAV)

AL-360 (FAA)

ST LOUIS LAMBERT INTL (STL)
ST. LOUIS, MISSOURI

TOP ALTITUDE: 5000

D-ATIS
125.025 379.925
CLNC DEL
119.5 363.1
CPDLC
GND CON
121.9 348.6 (Inbound)
121.65 377.175 (Outbound)
118.925 227.125 (Rwy 11/29)
ST. LOUIS TOWER
120.05 284.6 (Rwys 12L/30R, 24)
118.5 257.7 (Rwy 12R/30L)
132.475 239.275 (Rwys 6, 11/29)
ST. LOUIS DEP CON
128.1 307.05



NOTE: RNAV 1.
NOTE: DME/DME/IRU or GPS required.
NOTE: RADAR required.
NOTE: For use by turbojet aircraft only.

TAKEOFF MINIMUMS

Rwys 6, 24: Standard with minimum climb of 500′ per NM to 1120 then minimum climb of 280′ per NM to 5000.
Rwy 11: Standard with minimum climb of 500′ per NM to LUUBE.
Rwys 12L/R: Standard with minimum climb of 500′ per NM to HEFNR.
Rwy 29: Standard with minimum climb of 500′ per NM to HAGEE.
Rwys 30L/R: Standard with minimum climb of 500′ per NM to PYUNG.

(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.

BRAKK FIVE DEPARTURE (RNAV)
(BRAKK5.BRAKK) 19JUL18
ST. LOUIS, MISSOURI
ST LOUIS LAMBERT INTL (STL)

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 6: Climb heading 064° to 1120, then as assigned by ATC, expect RADAR vectors to BRAKK. Thence. . . .

TAKEOFF RUNWAY 24: Climb heading 244° to 1120, then as assigned by ATC, expect RADAR vectors to BRAKK. Thence. . . .

TAKEOFF RUNWAY 11: Climb heading 123° to 1120, then direct LUUBE, cross LUUBE at or above 2500, then on depicted route to BRAKK. Thence. . . .

TAKEOFF RUNWAYS 12L/R: Climb heading 123° to 1120, then direct HEFNR, cross HEFNR at or above 2500, then on depicted route to BRAKK. Thence. . . .

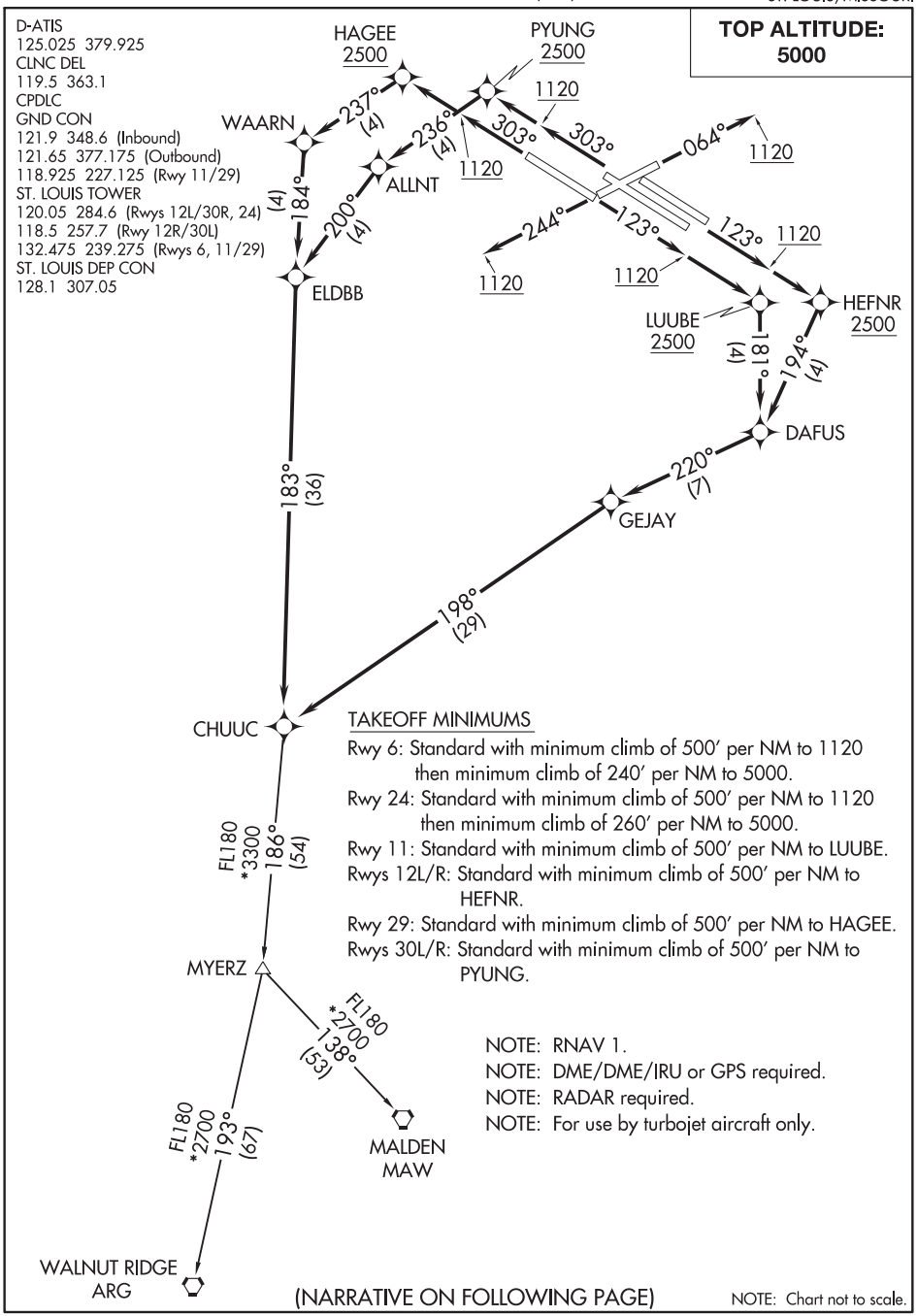
TAKEOFF RUNWAY 29: Climb heading 303° to 1120, then direct HAGEE, cross HAGEE at or above 2500, then on depicted route to BRAKK. Thence. . . .

TAKEOFF RUNWAYS 30L/R: Climb heading 303° to 1120, then direct PYUNG, cross PYUNG at or above 2500, then on depicted route to BRAKK. Thence. . . .

. . . . (transition). Maintain 5000, expect filed altitude 10 minutes after departure.

HALLSVILLE TRANSITION (BRAKK5.HLV)

NC-3, 25 FEB 2021 to 22 APR 2021


D-ATIS
125.025 379.925
CLNC DEL
119.5 363.1
CPDLC
GND CON
121.9 348.6 (Inbound)
121.65 377.175 (Outbound)
118.925 227.125 (Rwy 11/29)
ST. LOUIS TOWER
120.05 284.6 (Rwys 12L/30R, 24)
118.5 257.7 (Rwy 12R/30L)
132.475 239.275 (Rwys 6, 11/29)
ST. LOUIS DEP CON
128.1 307.05
TOP ALTITUDE: 5000
HAGEE 2500
PYUNG 2500
WAARN
ALLNT
ELDBB
LUUBE 2500
HEFNR 2500
DAFUS
GEJAY
CHUUC
MYERZ
MALDEN MAW
WALNUT RIDGE ARG
1120
237° (4)
236° (4)
303°
064°
184° (4)
200° (4)
244°
123°
181° (4)
194° (4)
220° (7)
183° (36)
198° (29)
FL180 *3300 186° (54)
FL180 *2700 138° (53)
FL180 *2700 193° (67)
TAKEOFF MINIMUMS
Rwy 6: Standard with minimum climb of 500′ per NM to 1120 then minimum climb of 240′ per NM to 5000.
Rwy 24: Standard with minimum climb of 500′ per NM to 1120 then minimum climb of 260′ per NM to 5000.
Rwy 11: Standard with minimum climb of 500′ per NM to LUUBE.
Rwys 12L/R: Standard with minimum climb of 500′ per NM to HEFNR.
Rwy 29: Standard with minimum climb of 500′ per NM to HAGEE.
Rwys 30L/R: Standard with minimum climb of 500′ per NM to PYUNG.
NOTE: RNAV 1.
NOTE: DME/DME/IRU or GPS required.
NOTE: RADAR required.
NOTE: For use by turbojet aircraft only.
(NARRATIVE ON FOLLOWING PAGE)
NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 6: Climb heading 064° to 1120, then as assigned by ATC, expect RADAR vectors to CHUUC. Thence. . . .

TAKEOFF RUNWAY 24: Climb heading 244° to 1120, then as assigned by ATC, expect RADAR vectors to CHUUC. Thence. . . .

TAKEOFF RUNWAY 11: Climb heading 123° to 1120, then direct LUUBE, cross LUUBE at or above 2500, then on depicted route to CHUUC. Thence. . . .

TAKEOFF RUNWAYS 12L/R: Climb heading 123° to 1120, then direct HEFNR, cross HEFNR at or above 2500, then on depicted route to CHUUC. Thence. . . .

TAKEOFF RUNWAY 29: Climb heading 303° to 1120, then direct HAGEE, cross HAGEE at or above 2500, then on depicted route to CHUUC. Thence. . . .

TAKEOFF RUNWAYS 30L/R: Climb heading 303° to 1120, then direct PYUNG, cross PYUNG at or above 2500, then on depicted route to CHUUC. Thence. . . .

. . . . (transition). Maintain 5000, expect filed altitude 10 minutes after departure.

MALDEN TRANSITION (CHUUC5.MAW)

MYERZ TRANSITION (CHUUC5.MYERZ)

WALNUT RIDGE TRANSITION (CHUUC5.ARG)

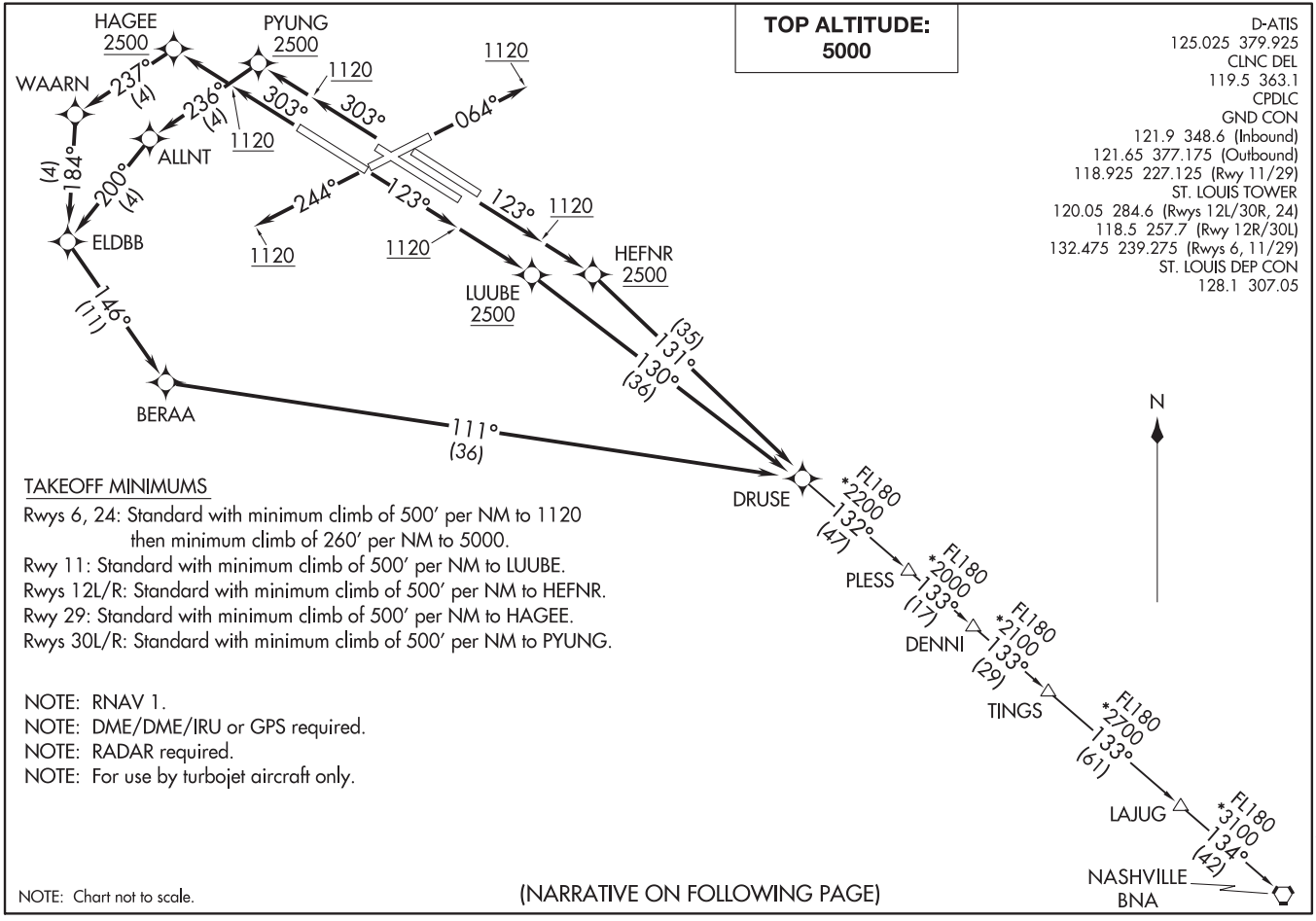
NC-3, 25 FEB 2021 to 22 APR 2021

DRUSE FIVE DEPARTURE (RNAV)

(DRUSE5.DRUSE) 19JUL18

ST. LOUIS, MISSOURI

ST LOUIS LAMBERT INTL (STL)



TAKEOFF MINIMUMS

Rwys 6, 24: Standard with minimum climb of 500′ per NM to 1120 then minimum climb of 260′ per NM to 5000.
Rwy 11: Standard with minimum climb of 500′ per NM to LUUBE.
Rwys 12L/R: Standard with minimum climb of 500′ per NM to HEFNR.
Rwy 29: Standard with minimum climb of 500′ per NM to HAGEE.
Rwys 30L/R: Standard with minimum climb of 500′ per NM to PYUNG.

NOTE: RNAV 1.
NOTE: DME/DME/IRU or GPS required.
NOTE: RADAR required.
NOTE: For use by turbojet aircraft only.

NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

DRUSE FIVE DEPARTURE (RNAV)

(DRUSE5.DRUSE) 18312

AL-360 (FAA)

ST LOUIS LAMBERT INTL (STL)

ST. LOUIS, MISSOURI

NC-3, 25 FEB 2021 to 22 APR 2021

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 6: Climb heading 064° to 1120, then as assigned by ATC, expect RADAR vectors to DRUSE. Thence. . . .

TAKEOFF RUNWAY 24: Climb heading 244° to 1120, then as assigned by ATC, expect RADAR vectors to DRUSE. Thence. . . .

TAKEOFF RUNWAY 11: Climb heading 123° to 1120, then direct LUUBE, cross LUUBE at or above 2500, then on depicted route to DRUSE. Thence. . . .

TAKEOFF RUNWAYS 12L/R: Climb heading 123° to 1120, then direct HEFNR, cross HEFNR at or above 2500, then on depicted route to DRUSE. Thence. . . .

TAKEOFF RUNWAY 29: Climb heading 303° to 1120, then direct HAGEE, cross HAGEE at or above 2500, then on depicted route to DRUSE. Thence. . . .

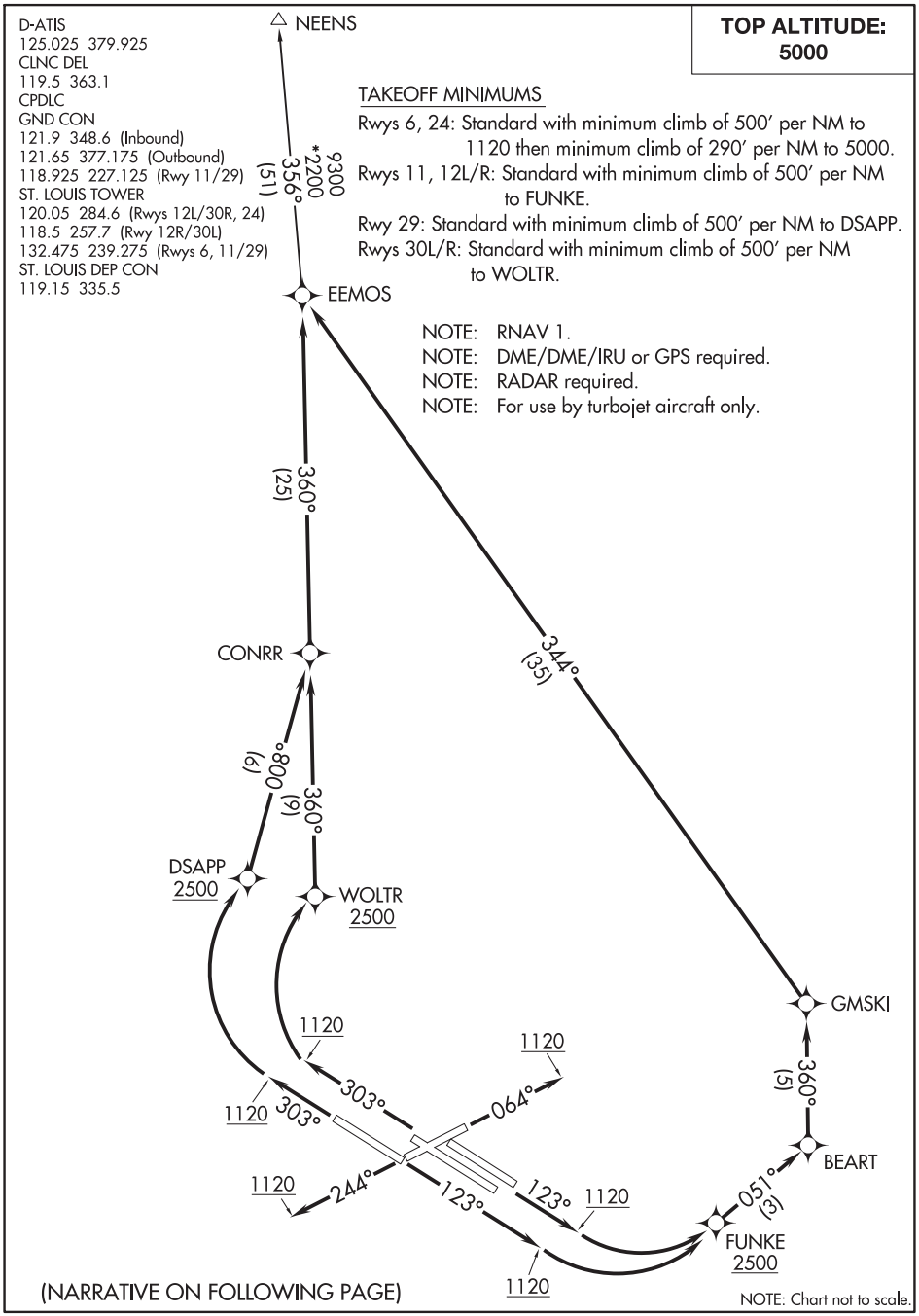
TAKEOFF RUNWAYS 30L/R: Climb heading 303° to 1120, then direct PYUNG, cross PYUNG at or above 2500, then on depicted route to DRUSE. Thence. . . .

. . . . (transition). Maintain 5000, expect filed altitude 10 minutes after departure.

DENNI TRANSITION (DRUSE5.DENNI)

NASHVILLE TRANSITION (DRUSE5.BNA)

NC-3, 25 FEB 2021 to 22 APR 2021



NC-3, 25 FEB 2021 to 22 APR 2021

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 6: Climb heading 064° to 1120, then as assigned by ATC, expect RADAR vectors to EEMOS. Thence. . . .

TAKEOFF RUNWAY 24: Climb heading 244° to 1120, then as assigned by ATC, expect RADAR vectors to EEMOS. Thence. . . .

TAKEOFF RUNWAYS 11, 12L/R: Climb heading 123° to 1120, then left turn direct FUNKE, cross FUNKE at or above 2500, then on depicted route to EEMOS. Thence. . . .

TAKEOFF RUNWAY 29: Climb heading 303° to 1120, then right turn direct DSAPP, cross DSAPP at or above 2500, then on depicted route to EEMOS. Thence. . . .

TAKEOFF RUNWAYS 30L/R: Climb heading 303° to 1120, then right turn direct WOLTR, cross WOLTR at or above 2500, then on depicted route to EEMOS. Thence. . . .

. . . . (transition). Maintain 5000, expect filed altitude 10 minutes after departure.

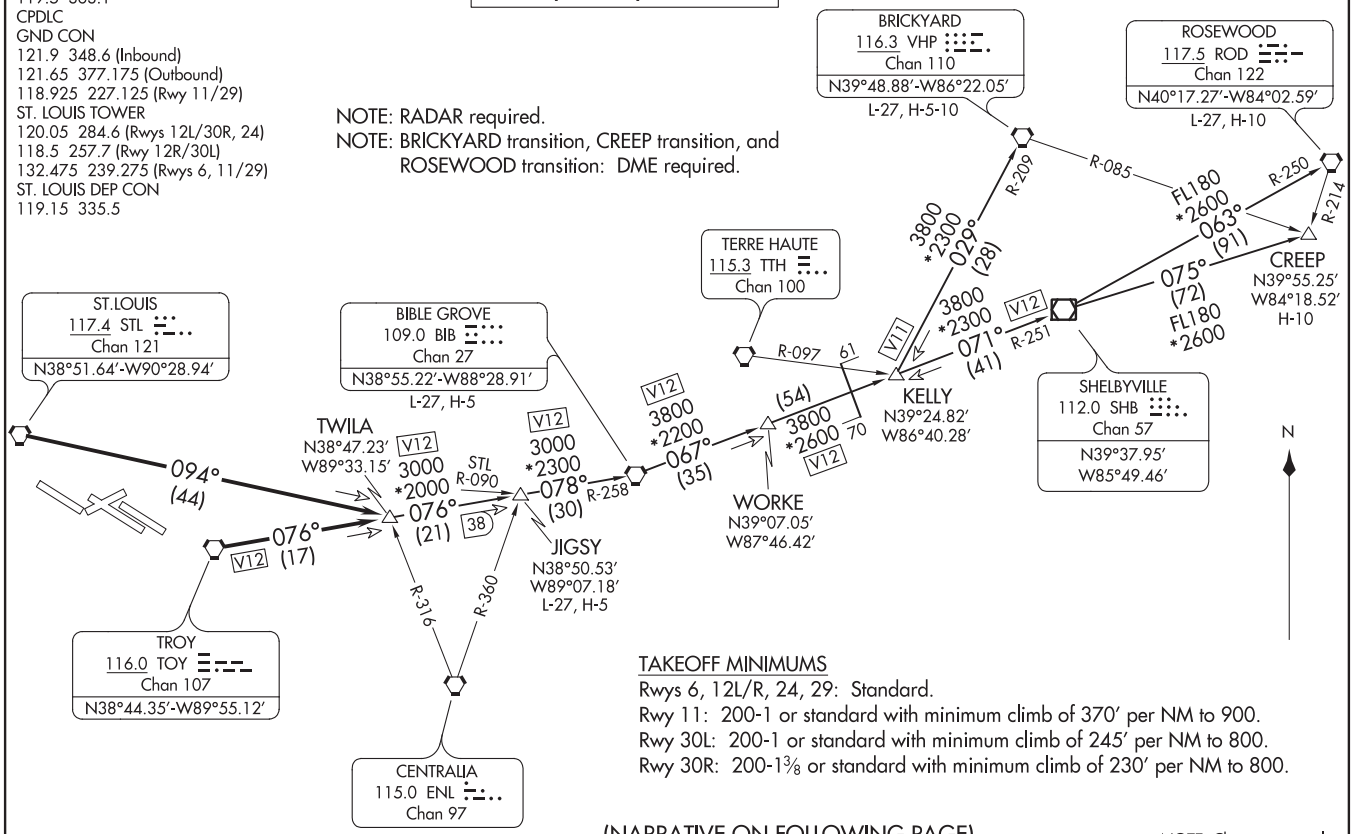
NEENS TRANSITION (EEMOS5.NEENS)

(GATWY1.TWILA) 20086
GATEWAY ONE DEPARTURE
AL-360 (FAA)
ST LOUIS LAMBERT INTL (STL)
ST. LOUIS, MISSOURI

TOP ALTITUDE:
(JETS) 5000/
(PROPS) 3000

D-ATIS
125.025 379.925
CLNC DEL
119.5 363.1
CPDLC
GND CON
121.9 348.6 (Inbound)
121.65 377.175 (Outbound)
118.925 227.125 (Rwy 11/29)
ST. LOUIS TOWER
120.05 284.6 (Rwys 12L/30R, 24)
118.5 257.7 (Rwy 12R/30L)
132.475 239.275 (Rwys 6, 11/29)
ST. LOUIS DEP CON
119.15 335.5

NOTE: RADAR required.
NOTE: BRICKYARD transition, CREEP transition, and ROSEWOOD transition: DME required.



TAKEOFF MINIMUMS
Rwys 6, 12L/R, 24, 29: Standard.
Rwy 11: 200-1 or standard with minimum climb of 370' per NM to 900.
Rwy 30L: 200-1 or standard with minimum climb of 245' per NM to 800.
Rwy 30R: 200-1⅜ or standard with minimum climb of 230' per NM to 800.

(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.

NC-3, 25 FEB 2021 to 22 APR 2021

DEPARTURE ROUTE DESCRIPTION

Climb on assigned heading for vector to appropriate route.

JETS: Maintain 5000 or assigned altitude, thence. . . .
PROPS: Maintain 3000 or assigned altitude, thence. . . .

. . . .from over TOY VORTAC on TOY R-076 or over STL VORTAC on STL R-094 to TWILA INT. Then on (transition), expect clearance to filed altitude 10 minutes after departure.

BIBLE GROVE TRANSITION (GATWY1.BIB): From over TWILA on TOY R-076 to JIGSY, then on BIB R-258 to BIB VORTAC.

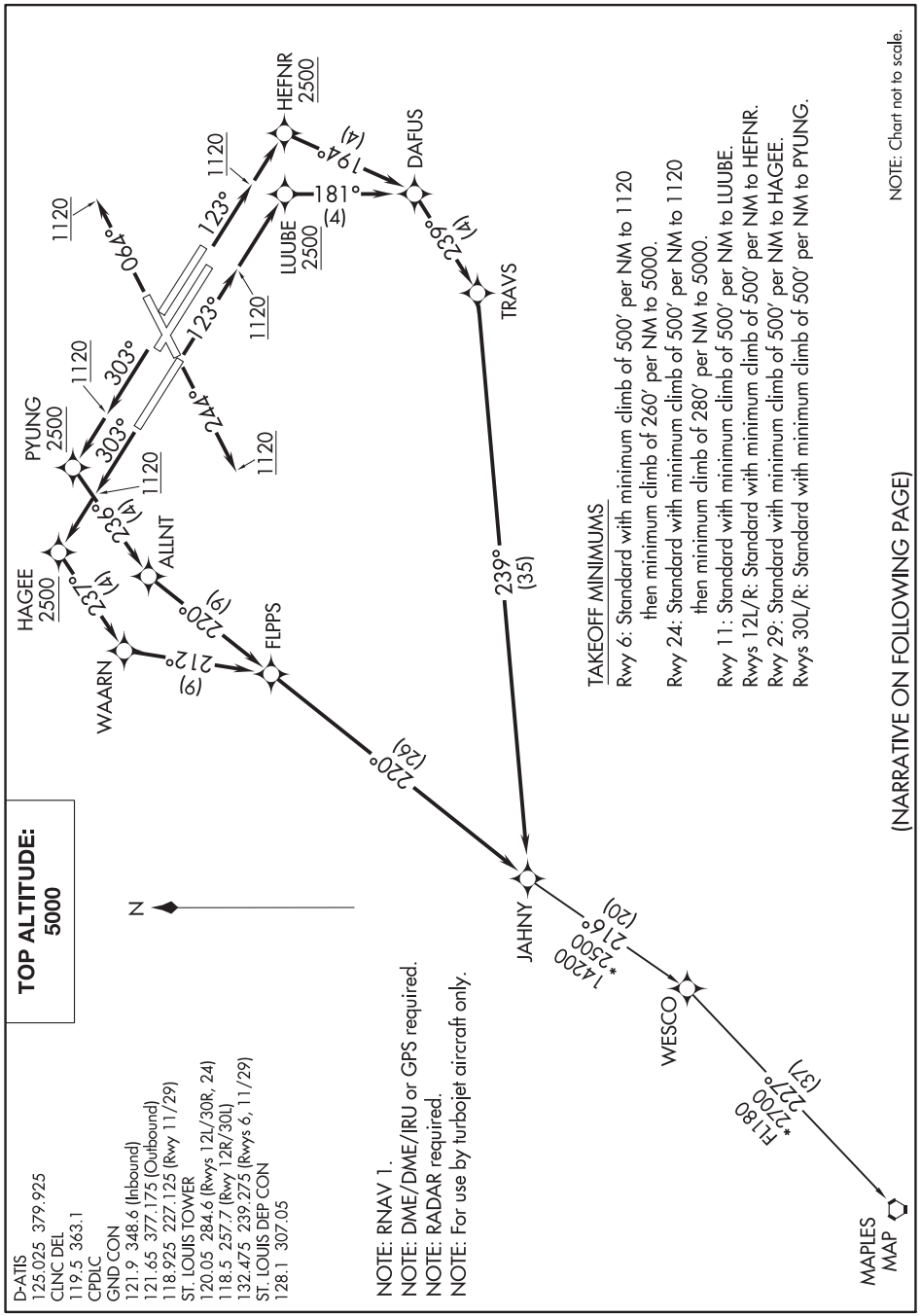
BRICKYARD TRANSITION (GATWY1.VHP): From over TWILA on TOY R-076 to JIGSY, then on BIB R-258 to BIB VORTAC, then on BIB R-067 to WORKE, then on BIB R-067 and SHB R-251 to KELLY, then on VHP R-209 to VHP VORTAC.

CREEP TRANSITION (GATWY1.CREEP): From over TWILA on TOY R-076 to JIGSY, then on BIB R-258 to BIB VORTAC, then on BIB R-067 to WORKE, then on BIB R-067 and SHB R-251 to KELLY, then on SHB R-251 to SHB VOR/DME, then on SHB R-075 to CREEP.

JIGSY TRANSITION (GATWY1.JIGSY): From over TWILA on TOY R-076 to JIGSY.

ROSEWOOD TRANSITION (GATWY1.ROD): From over TWILA on TOY R-076 to JIGSY, then on BIB R-258 to BIB VORTAC, then on BIB R-067 to WORKE, then on BIB R-067 and SHB R-251 to KELLY, then on SHB R-251 to SHB VOR/DME, then on SHB R-063 and ROD R-250 to ROD VORTAC.

NC-3, 25 FEB 2021 to 22 APR 2021



NC-3, 25 FEB 2021 to 22 APR 2021

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 6: Climb heading 064° to 1120, then as assigned by ATC, expect RADAR vectors to JAHNY. Thence. . . .

TAKEOFF RUNWAY 24: Climb heading 244° to 1120, then as assigned by ATC, expect RADAR vectors to JAHNY. Thence. . . .

TAKEOFF RUNWAY 11: Climb heading 123° to 1120, then direct LUUBE, cross LUUBE at or above 2500, then on depicted route to JAHNY. Thence. . . .

TAKEOFF RUNWAYS 12L/R: Climb heading 123° to 1120, then direct HEFNR, cross HEFNR at or above 2500, then on depicted route to JAHNY. Thence. . . .

TAKEOFF RUNWAY 29: Climb heading 303° to 1120, then direct HAGEE, cross HAGEE at or above 2500, then on depicted route to JAHNY. Thence. . . .

TAKEOFF RUNWAYS 30L/R: Climb heading 303° to 1120, then direct PYUNG, cross PYUNG at or above 2500, then on depicted route to JAHNY. Thence. . . .

. . . . (transition). Maintain 5000, expect filed altitude 10 minutes after departure.

MAPLES TRANSITION (JAHNY5.MAP)

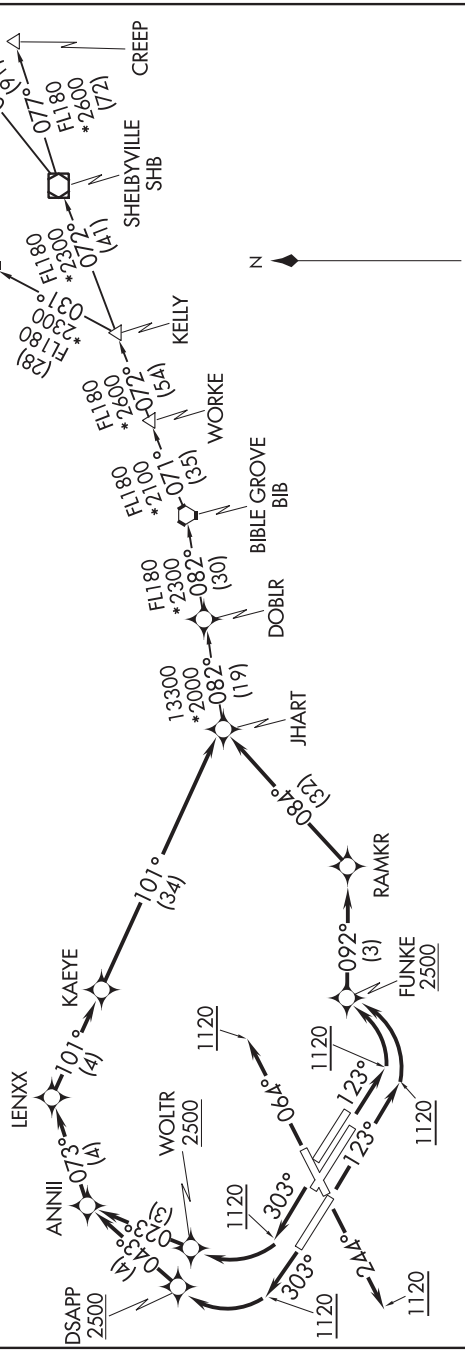
NC-3, 25 FEB 2021 to 22 APR 2021

D-ATIS
125.025 379.925
CLNC DEL
119.5 363.1
CPDLC
GND CON
121.9 348.6 (Inbound)
121.65 377.175 (Outbound)
118.925 227.125 (Rwy 11/29)
ST. LOUIS TOWER
120.05 284.6 (Rwys 12L/30R, 24)
118.5 257.7 (Rwy 12R/30L)
132.475 239.275 (Rwys 6, 11/29)
ST. LOUIS DEP CON
119.15 335.5

TAKEOFF MINIMUMS
Rwy 6: Standard with minimum climb of 500' per NM to 1120 then minimum climb of 270' per NM to 5000.
Rwy 24: Standard with minimum climb of 500' per NM to 1120 then minimum climb of 250' per NM to 5000.
Rwys 11, 12L/R: Standard with minimum climb of 500' per NM to FUNKE.
Rwy 29: Standard with minimum climb of 500' per NM to DSAPP.
Rwys 30L/R: Standard with minimum climb of 500' per NM to WOLTR.

NOTE: RNAV 1.
NOTE: DME/DME/IRU or GPS required.
NOTE: RADAR required.
NOTE: For use by turbojet aircraft only.

TOP ALTITUDE: 5000



NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 6: Climb heading 064° to 1120, then as assigned by ATC, expect RADAR vectors to JHART. Thence. . . .

TAKEOFF RUNWAY 24: Climb heading 244° to 1120, then as assigned by ATC, expect RADAR vectors to JHART. Thence. . . .

TAKEOFF RUNWAYS 11, 12L/R: Climb heading 123° to 1120, then left turn direct FUNKE, cross FUNKE at or above 2500, then on depicted route to JHART. Thence. . . .

TAKEOFF RUNWAY 29: Climb heading 303° to 1120, then right turn direct DSAPP, cross DSAPP at or above 2500, then on depicted route to JHART. Thence. . . .

TAKEOFF RUNWAYS 30L/R: Climb heading 303° to 1120, then right turn direct WOLTR, cross WOLTR at or above 2500, then on depicted route to JHART. Thence. . . .

. . . . (transition). Maintain 5000, expect filed altitude 10 minutes after departure.

BIBLE GROVE TRANSITION (JHART6.BIB)

BRICKYARD TRANSITION (JHART6.VHP)

CREEP TRANSITION (JHART6.CREEP)

DOBLR TRANSITION (JHART6.DOBLR)

ROSEWOOD TRANSITION (JHART6.ROD)

KSHEE FIVE DEPARTURE (RNAV)

AL-360 (FAA)

D-ATIS
125.025 379.925
CLNC DEL
119.5 363.1
CPDLC
GND CON
121.9 348.6 (Inbound)
121.65 377.175 (Outbound)
118.925 227.125 (Rwy 11/29)
ST. LOUIS TOWER
120.05 284.6 (Rwys 12L/30R, 24)
118.5 257.7 (Rwy 12R/30L)
132.475 239.275 (Rwys 6, 11/29)
ST. LOUIS DEP CON
119.15 335.5

TOP ALTITUDE: 5000

TAKEOFF MINIMUMS

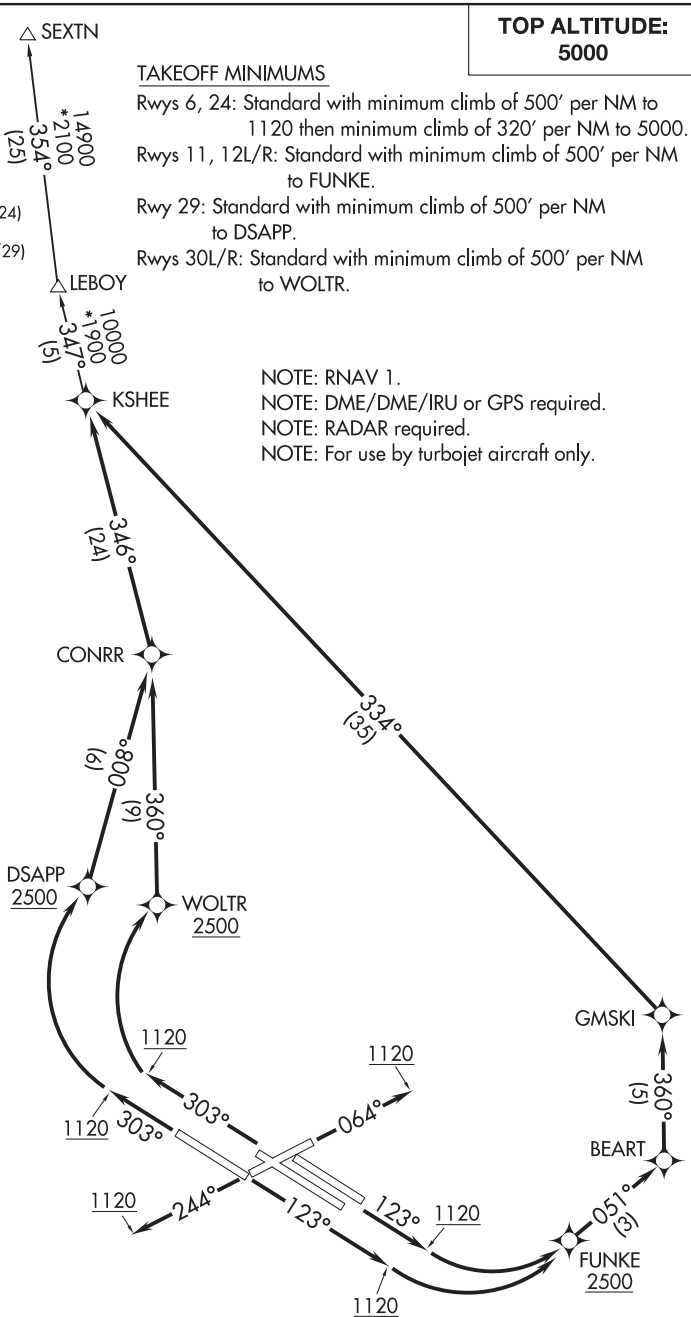
Rwys 6, 24: Standard with minimum climb of 500′ per NM to 1120 then minimum climb of 320′ per NM to 5000.

Rwys 11, 12L/R: Standard with minimum climb of 500′ per NM to FUNKE.

Rwy 29: Standard with minimum climb of 500′ per NM to DSAPP.

Rwys 30L/R: Standard with minimum climb of 500′ per NM to WOLTR.

NOTE: RNAV 1.
NOTE: DME/DME/IRU or GPS required.
NOTE: RADAR required.
NOTE: For use by turbojet aircraft only.



(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 6: Climb heading 064° to 1120, then as assigned by ATC, expect RADAR vectors to KSHEE. Thence. . . .

TAKEOFF RUNWAY 24: Climb heading 244° to 1120, then as assigned by ATC, expect RADAR vectors to KSHEE. Thence. . . .

TAKEOFF RUNWAYS 11, 12L/R: Climb heading 123° to 1120, then left turn direct FUNKE, cross FUNKE at or above 2500, then on depicted route to KSHEE. Thence. . . .

TAKEOFF RUNWAY 29: Climb heading 303° to 1120, then right turn direct DSAPP, cross DSAPP at or above 2500, then on depicted route to KSHEE. Thence. . . .

TAKEOFF RUNWAYS 30L/R: Climb heading 303° to 1120, then right turn direct WOLTR, cross WOLTR at or above 2500, then on depicted route to KSHEE. Thence. . . .

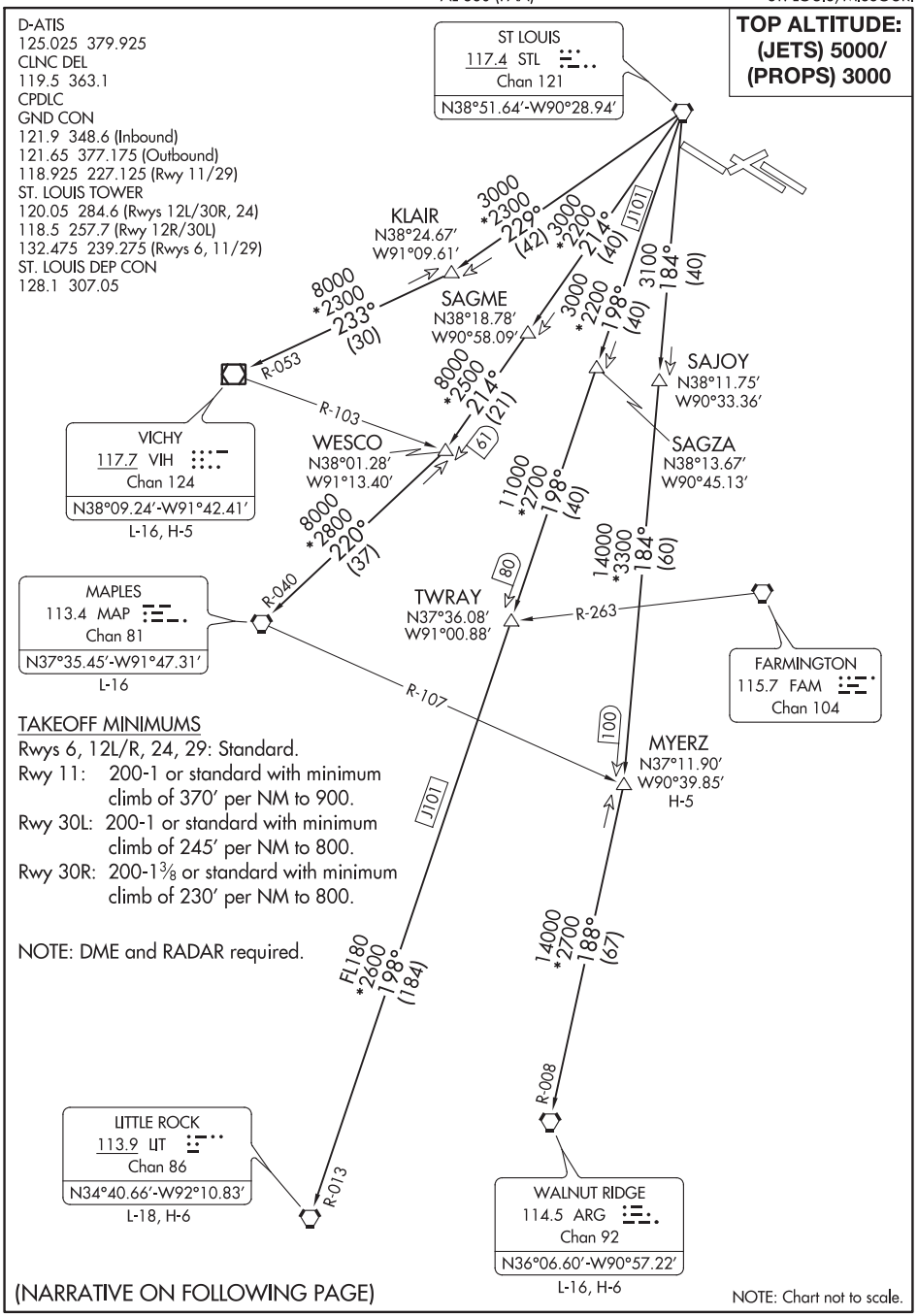
. . . . (transition). Maintain 5000, expect filed altitude 10 minutes after departure.

LEBOY TRANSITION (KSHEE5.LEBOY)

SEXTN TRANSITION (KSHEE5.SEXTN)

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021


D-ATIS
125.025 379.925
CLNC DEL
119.5 363.1
CPDLC
GND CON
121.9 348.6 (Inbound)
121.65 377.175 (Outbound)
118.925 227.125 (Rwy 11/29)
ST. LOUIS TOWER
120.05 284.6 (Rwys 12L/30R, 24)
118.5 257.7 (Rwy 12R/30L)
132.475 239.275 (Rwys 6, 11/29)
ST. LOUIS DEP CON
128.1 307.05
TOP ALTITUDE:
(JETS) 5000/
(PROPS) 3000
ST LOUIS
117.4 STL
Chan 121
N38°51.64′-W90°28.94′
KLAIR
N38°24.67′
W91°09.61′
SAGME
N38°18.78′
W90°58.09′
SAJOY
N38°11.75′
W90°33.36′
SAGZA
N38°13.67′
W90°45.13′
WESCO
N38°01.28′
W91°13.40′
TWRAY
N37°36.08′
W91°00.88′
MYERZ
N37°11.90′
W90°39.85′
H-5
VICHY
117.7 VIH
Chan 124
N38°09.24′-W91°42.41′
L-16, H-5
MAPLES
113.4 MAP
Chan 81
N37°35.45′-W91°47.31′
L-16
FARMINGTON
115.7 FAM
Chan 104
LITTLE ROCK
113.9 LIT
Chan 86
N34°40.66′-W92°10.83′
L-18, H-6
WALNUT RIDGE
114.5 ARG
Chan 92
N36°06.60′-W90°57.22′
L-16, H-6
3000 *2300 229° (42)
3000 *2200 214° (40)
3100 184° (40)
8000 *2300 233° (30)
3000 *2200 198° (40)
8000 *2500 214° (21)
8000 *2800 220° (37)
11000 *2700 198° (40)
14000 *3300 184° (60)
FL180 *2600 198° (184)
14000 *2700 188° (67)
J101
61
80
100
R-053
R-103
R-040
R-263
R-107
R-008
R-013
TAKEOFF MINIMUMS
Rwys 6, 12L/R, 24, 29: Standard.
Rwy 11: 200-1 or standard with minimum climb of 370′ per NM to 900.
Rwy 30L: 200-1 or standard with minimum climb of 245′ per NM to 800.
Rwy 30R: 200-1 3/8 or standard with minimum climb of 230′ per NM to 800.
NOTE: DME and RADAR required.
(NARRATIVE ON FOLLOWING PAGE)
NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

Climb on assigned heading for vector to appropriate route.

JETS: Maintain 5000 or assigned altitude, thence . . . .
PROPS: Maintain 3000 or assigned altitude, thence . . . .

. . . . (transition). Expect filed altitude 10 minutes after departure.

LITTLE ROCK TRANSITION (LINDY7.LIT): From over STL VORTAC on STL R-198 to TWRAY, then on STL R-198 and LIT R-013 to LIT VORTAC.
MAPLES TRANSITION (LINDY7.MAP): From over STL VORTAC on STL R-214 to WESCO, then on MAP R-040 to MAP VORTAC.
MYERZ TRANSITION (LINDY7.MYERZ): From over STL VORTAC on STL R-184 to MYERZ.
VICHY TRANSITION (LINDY7.VIH): From over STL VORTAC on STL R-229 to KLAIR, then on VIH R-053 to VIH VOR/DME.
WALNUT RIDGE TRANSITION (LINDY7.ARG): From over STL VORTAC on STL R-184 to MYERZ, then on ARG R-008 to ARG VORTAC.

NC-3, 25 FEB 2021 to 22 APR 2021

D-ATIS
125.025 379.925
CLNC DEL
119.5 363.1
CPDLC
GND CON
121.9 348.6 (Inbound)
121.65 377.175 (Outbound)
118.925 227.125 (Rwy 11/29)
ST. LOUIS TOWER
120.05 284.6 (Rwys 12L/30R, 24)
118.5 257.7 (Rwy 12R/30L)
132.475 239.275 (Rwys 6, 11/29)
ST. LOUIS DEP CON
119.15 335.5

TOP ALTITUDE: 5000

TAKEOFF MINIMUMS

Rwy 6: Standard with minimum climb of 500′ per NM to 1120 then minimum climb of 290′ per NM to 5000.

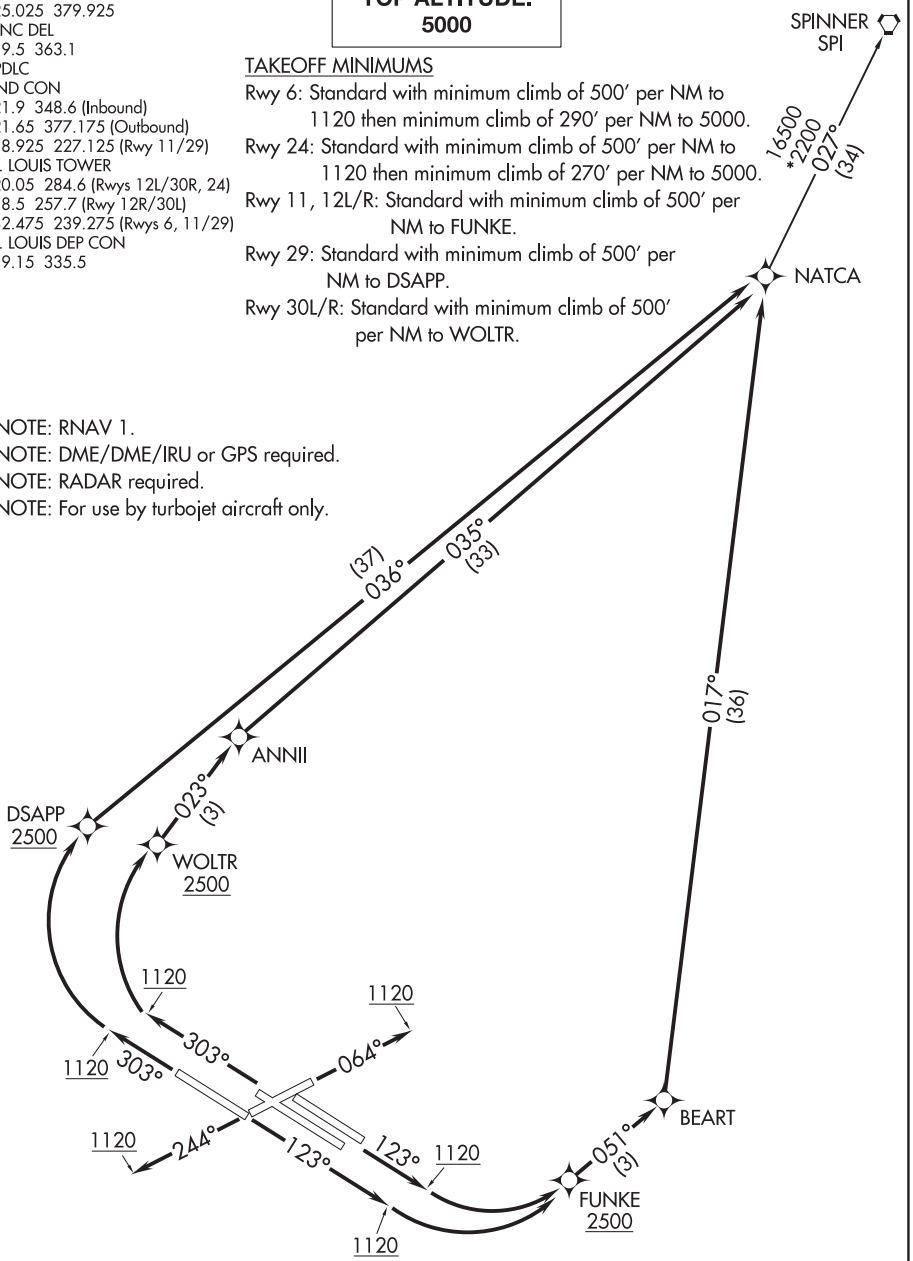
Rwy 24: Standard with minimum climb of 500′ per NM to 1120 then minimum climb of 270′ per NM to 5000.

Rwy 11, 12L/R: Standard with minimum climb of 500′ per NM to FUNKE.

Rwy 29: Standard with minimum climb of 500′ per NM to DSAPP.

Rwy 30L/R: Standard with minimum climb of 500′ per NM to WOLTR.

NOTE: RNAV 1.
NOTE: DME/DME/IRU or GPS required.
NOTE: RADAR required.
NOTE: For use by turbojet aircraft only.



NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 6: Climb heading 064° to 1120, then as assigned by ATC, expect RADAR vectors to NATCA. Thence. . . .

TAKEOFF RUNWAY 24: Climb heading 244° to 1120, then as assigned by ATC, expect RADAR vectors to NATCA. Thence. . . .

TAKEOFF RUNWAYS 11, 12L/R: Climb heading 123° to 1120, then left turn direct FUNKE, cross FUNKE at or above 2500, then on depicted route to NATCA. Thence. . . .

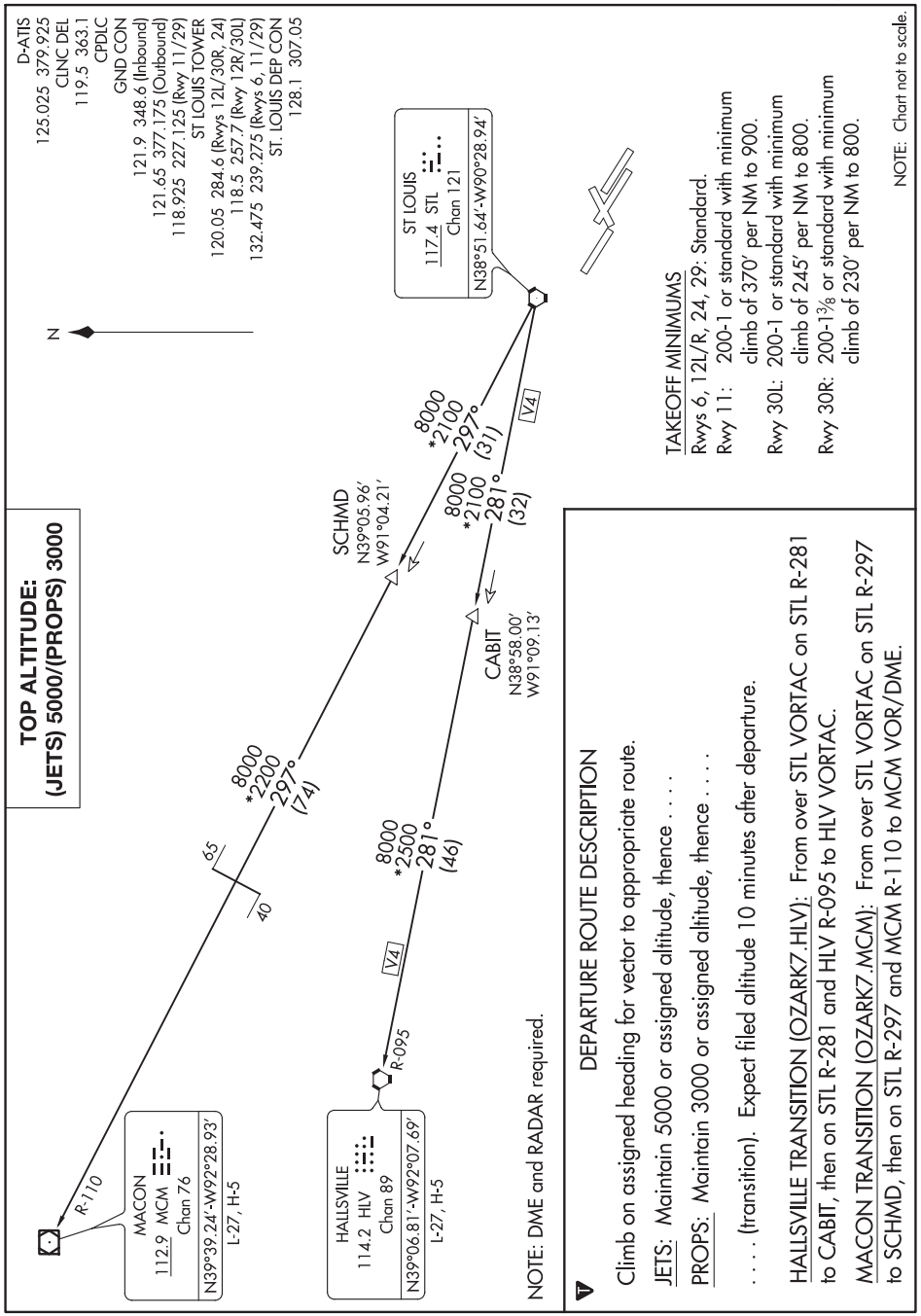
TAKEOFF RUNWAY 29: Climb heading 303° to 1120, then right turn direct DSAPP, cross DSAPP at or above 2500, then on depicted route to NATCA. Thence. . . .

TAKEOFF RUNWAYS 30L/R: Climb heading 303° to 1120, then right turn direct WOLTR, cross WOLTR at or above 2500, then on depicted route to NATCA. Thence. . . .

. . . . (transition). Maintain 5000, expect filed altitude 10 minutes after departure.

SPINNER TRANSITION (NATCA5.SPI)

NC-3, 25 FEB 2021 to 22 APR 2021


D-ATIS
125.025 379.925
CLNC DEL
119.5 363.1
CPDLC
GND CON
121.9 348.6 (Inbound)
121.65 377.175 (Outbound)
118.925 227.125 (Rwy 11/29)
ST LOUIS TOWER
120.05 284.6 (Rwys 12L/30R, 24)
118.5 257.7 (Rwy 12R/30L)
132.475 239.275 (Rwys 6, 11/29)
ST. LOUIS DEP CON
128.1 307.05
N
TOP ALTITUDE:
(JETS) 5000/(PROPS) 3000
ST LOUIS
117.4 STL
Chan 121
N38°51.64'-W90°28.94'
8000
*2100
297°
(31)
V4
8000
*2100
281°
(32)
SCHMD
N39°05.96'
W91°04.21'
CABIT
N38°58.00'
W91°09.13'
8000
*2200
297°
(74)
65
40
8000
*2500
281°
(46)
V4
R-095
R-110
MACON
112.9 MCM
Chan 76
N39°39.24'-W92°28.93'
L-27, H-5
HALLSVILLE
114.2 HLV
Chan 89
N39°06.81'-W92°07.69'
L-27, H-5
NOTE: DME and RADAR required.
DEPARTURE ROUTE DESCRIPTION
Climb on assigned heading for vector to appropriate route.
JETS: Maintain 5000 or assigned altitude, thence . . . .
PROPS: Maintain 3000 or assigned altitude, thence . . . .
. . . . (transition). Expect filed altitude 10 minutes after departure.
HALLSVILLE TRANSITION (OZARK7.HLV): From over STL VORTAC on STL R-281 to CABIT, then on STL R-281 and HLV R-095 to HLV VORTAC.
MACON TRANSITION (OZARK7.MCM): From over STL VORTAC on STL R-297 to SCHMD, then on STL R-297 and MCM R-110 to MCM VOR/DME.
TAKEOFF MINIMUMS
Rwys 6, 12L/R, 24, 29: Standard.
Rwy 11: 200-1 or standard with minimum climb of 370' per NM to 900.
Rwy 30L: 200-1 or standard with minimum climb of 245' per NM to 800.
Rwy 30R: 200-1⅜ or standard with minimum climb of 230' per NM to 800.
NOTE: Chart not to scale.

PLESS FIVE DEPARTURE

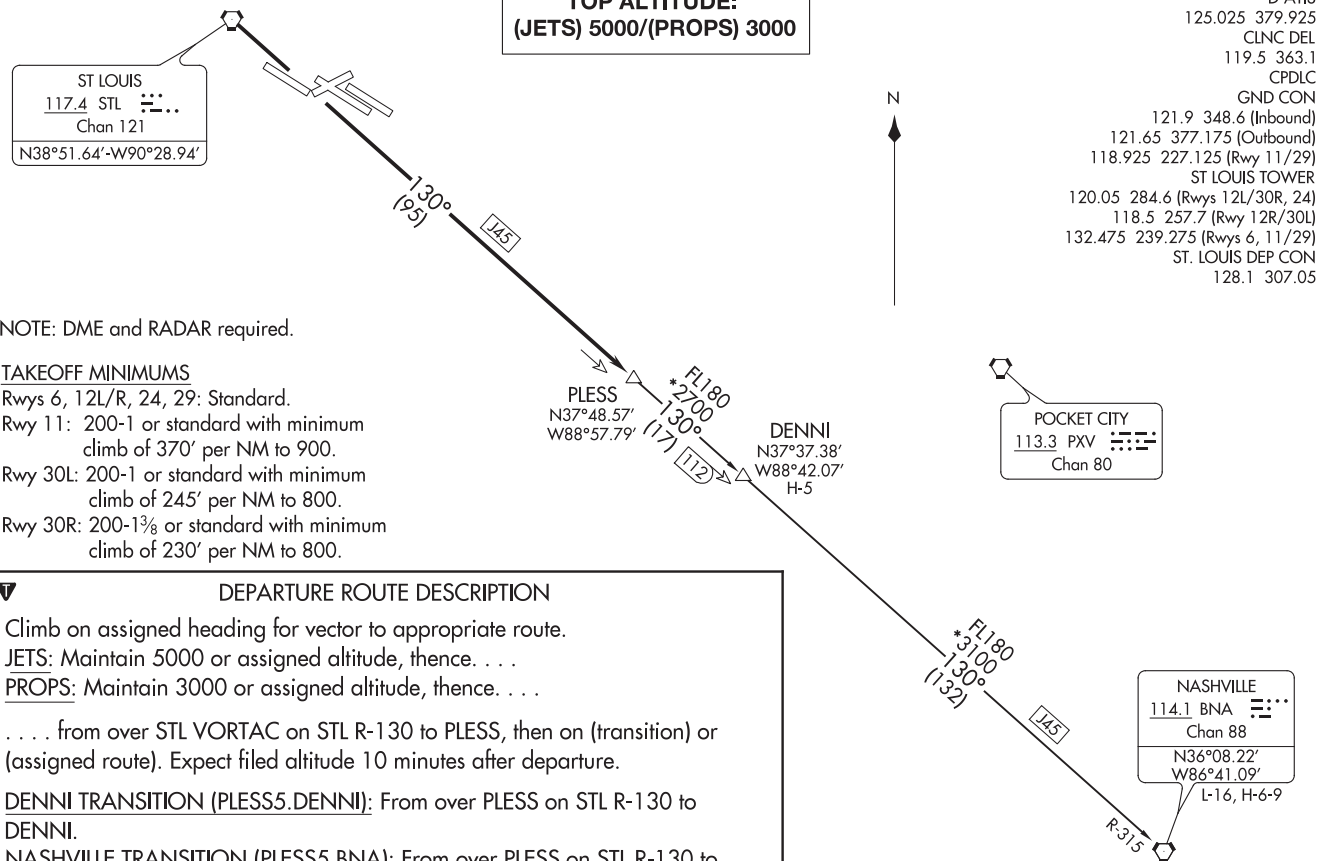
(PLESS5.PLESS) 17AUG17

ST. LOUIS, MISSOURI

ST LOUIS LAMBERT INTL (STL)

TOP ALTITUDE:
(JETS) 5000/(PROPS) 3000

D-ATIS
125.025 379.925
CLNC DEL
119.5 363.1
CPDLC
GND CON
121.9 348.6 (Inbound)
121.65 377.175 (Outbound)
118.925 227.125 (Rwy 11/29)
ST LOUIS TOWER
120.05 284.6 (Rwys 12L/30R, 24)
118.5 257.7 (Rwy 12R/30L)
132.475 239.275 (Rwys 6, 11/29)
ST. LOUIS DEP CON
128.1 307.05



NOTE: DME and RADAR required.

TAKEOFF MINIMUMS
Rwys 6, 12L/R, 24, 29: Standard.
Rwy 11: 200-1 or standard with minimum climb of 370′ per NM to 900.
Rwy 30L: 200-1 or standard with minimum climb of 245′ per NM to 800.
Rwy 30R: 200-1⅜ or standard with minimum climb of 230′ per NM to 800.

DEPARTURE ROUTE DESCRIPTION

Climb on assigned heading for vector to appropriate route.
JETS: Maintain 5000 or assigned altitude, thence. . . .
PROPS: Maintain 3000 or assigned altitude, thence. . . .

. . . . from over STL VORTAC on STL R-130 to PLESS, then on (transition) or (assigned route). Expect filed altitude 10 minutes after departure.

DENNI TRANSITION (PLESS5.DENNI): From over PLESS on STL R-130 to DENNI.
NASHVILLE TRANSITION (PLESS5.BNA): From over PLESS on STL R-130 to DENNI, then on STL R-130 and BNA R-315 to BNA VORTAC.

NOTE: Chart not to scale.

(PLESS5.PLESS) 18312

PLESS FIVE DEPARTURE

AL-360 (FAA)

ST LOUIS LAMBERT INTL (STL)

ST. LOUIS, MISSOURI

552

ROTRY FIVE DEPARTURE (RNAV)

AL-360 (FAA)

ST LOUIS LAMBERT INTL (STL)
ST. LOUIS, MISSOURI

TOP ALTITUDE: 5000

TAKEOFF MINIMUMS

Rwy 6: Standard with minimum climb of 500′ per NM to 1120 then minimum climb of 310′ per NM to 5000.

Rwy 24: Standard with minimum climb of 500′ per NM to 1120 then minimum climb of 290′ per NM to 5000.

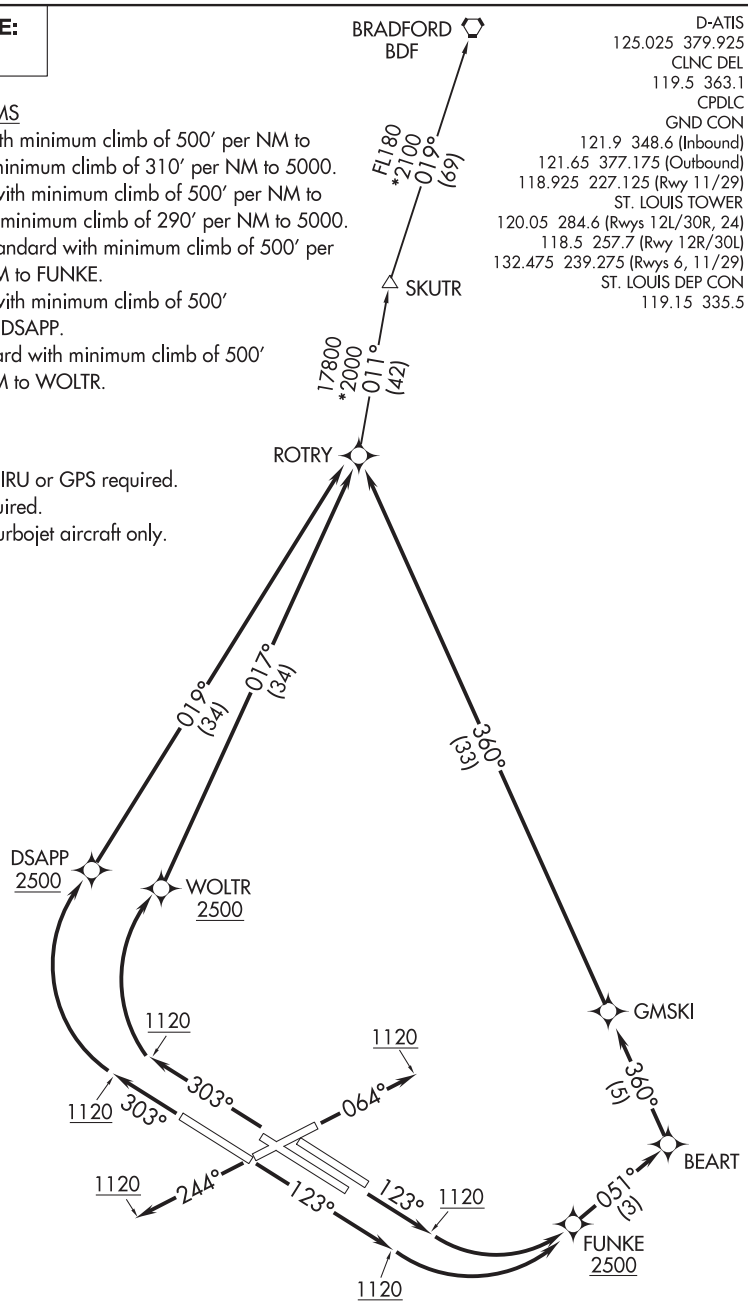
Rwys 11, 12L/R: Standard with minimum climb of 500′ per NM to FUNKE.

Rwy 29: Standard with minimum climb of 500′ per NM to DSAPP.

Rwys 30L/R: Standard with minimum climb of 500′ per NM to WOLTR.

NOTE: RNAV 1.
NOTE: DME/DME/IRU or GPS required.
NOTE: RADAR required.
NOTE: For use by turbojet aircraft only.

D-ATIS
125.025 379.925
CLNC DEL
119.5 363.1
CPDLC
GND CON
121.9 348.6 (Inbound)
121.65 377.175 (Outbound)
118.925 227.125 (Rwy 11/29)
ST. LOUIS TOWER
120.05 284.6 (Rwys 12L/30R, 24)
118.5 257.7 (Rwy 12R/30L)
132.475 239.275 (Rwys 6, 11/29)
ST. LOUIS DEP CON
119.15 335.5



(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.

NC-3, 25 FEB 2021 to 22 APR 2021

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 6: Climb heading 064° to 1120, then as assigned by ATC, expect RADAR vectors to ROTRY. Thence. . . .

TAKEOFF RUNWAY 24: Climb heading 244° to 1120, then as assigned by ATC, expect RADAR vectors to ROTRY. Thence. . . .

TAKEOFF RUNWAYS 11, 12L/R: Climb heading 123° to 1120, then left turn direct FUNKE, cross FUNKE at or above 2500, then on depicted route to ROTRY. Thence. . . .

TAKEOFF RUNWAY 29: Climb heading 303° to 1120, then right turn direct DSAPP, cross DSAPP at or above 2500, then on depicted route to ROTRY. Thence. . . .

TAKEOFF RUNWAYS 30L/R: Climb heading 303° to 1120, then right turn direct WOLTR, cross WOLTR at or above 2500, then on depicted route to ROTRY. Thence. . . .

. . . . (transition). Maintain 5000, expect filed altitude 10 minutes after departure.

BRADFORD TRANSITION (ROTRY5.BDF)

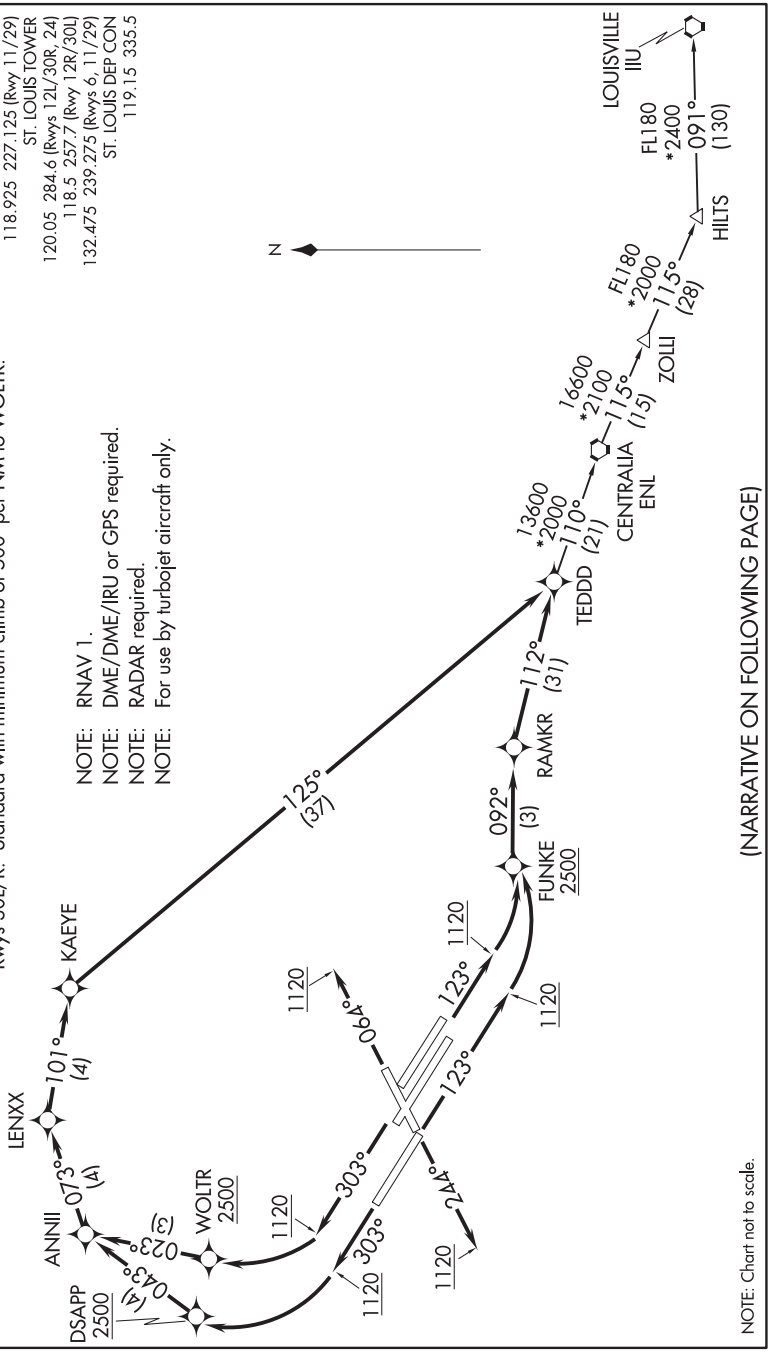
NC-3, 25 FEB 2021 to 22 APR 2021

D-ATIS
125.025 379.925
CLNC DEL
119.5 363.1
CPDLC
GND CON
121.9 348.6 (Inbound)
121.65 377.175 (Outbound)
118.925 227.125 (Rwy 11/29)
ST. LOUIS TOWER
120.05 284.6 (Rwys 12L/30R, 24)
118.5 257.7 (Rwy 12R/30L)
132.475 239.275 (Rwys 6, 11/29)
ST. LOUIS DEP CON
119.15 335.5

TAKEOFF MINIMUMS
Rwys 6, 24: Standard with minimum climb of 500′ per NM to 1120 then minimum climb of 280′ per NM to 5000.
Rwys 11, 12L/R: Standard with minimum climb of 500′ per NM to FUNKE.
Rwy 29: Standard with minimum climb of 500′ per NM to DSAPP.
Rwys 30L/R: Standard with minimum climb of 500′ per NM to WOLTR.

NOTE: RNAV 1.
NOTE: DME/DME/IRU or GPS required.
NOTE: RADAR required.
NOTE: For use by turbojet aircraft only.

TOP ALTITUDE: 5000



(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 6: Climb heading 064° to 1120, then as assigned by ATC, expect RADAR vectors to TEDDD. Thence. . . .

TAKEOFF RUNWAY 24: Climb heading 244° to 1120, then as assigned by ATC, expect RADAR vectors to TEDDD. Thence. . . .

TAKEOFF RUNWAYS 11, 12L/R: Climb heading 123° to 1120, then left turn direct FUNKE, cross FUNKE at or above 2500, then on depicted route to TEDDD. Thence. . . .

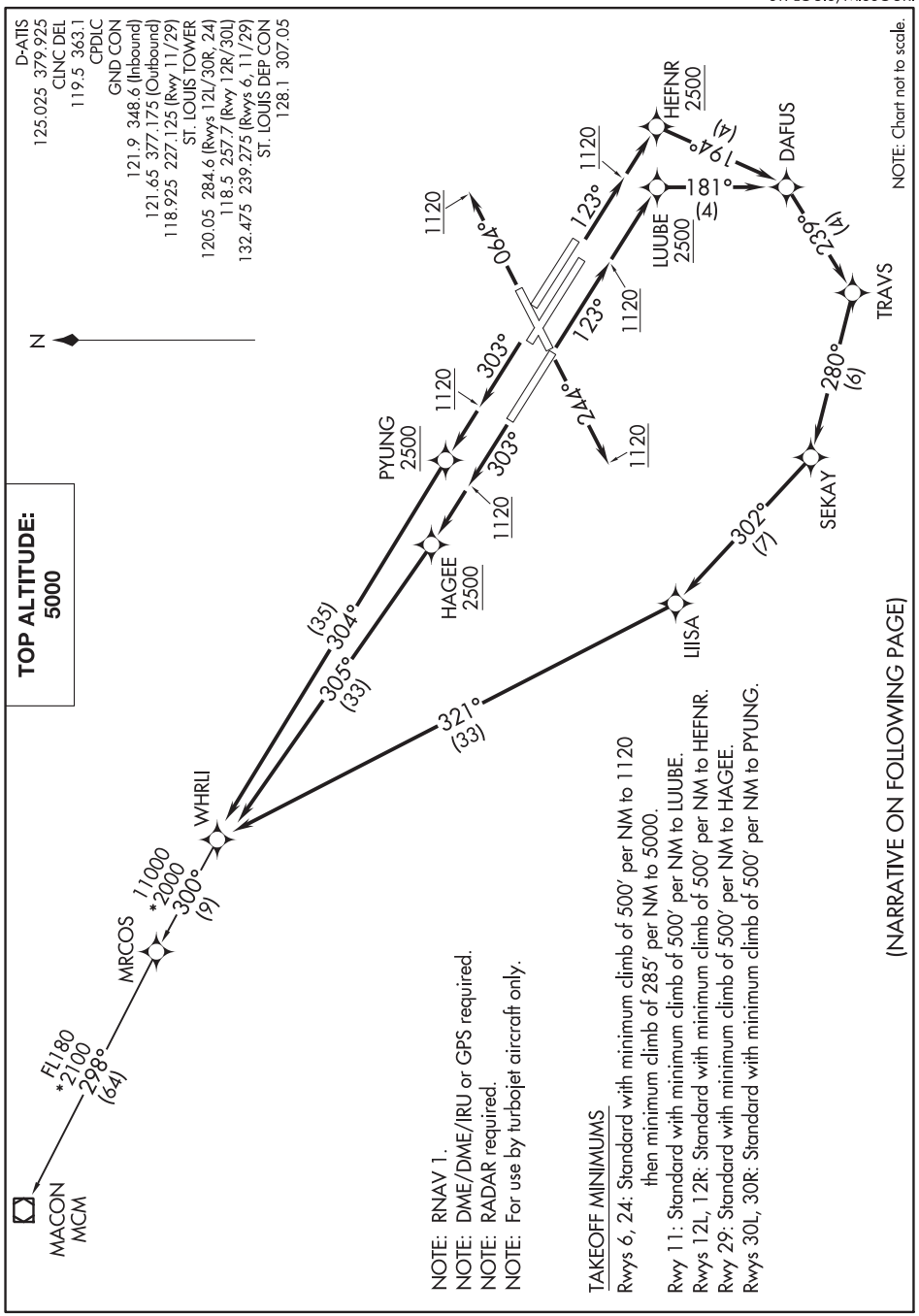
TAKEOFF RUNWAY 29: Climb heading 303° to 1120, then right turn direct DSAPP, cross DSAPP at or above 2500, then on depicted route to TEDDD. Thence. . . .

TAKEOFF RUNWAYS 30L/R: Climb heading 303° to 1120, then right turn direct WOLTR, cross WOLTR at or above 2500, then on depicted route to TEDDD. Thence. . . .

. . . . (transition). Maintain 5000, expect filed altitude 10 minutes after departure.

HILTS TRANSITION (TEDDD5.HILTS)

LOUISVILLE TRANSITION (TEDDD5.IIU)


D-ATIS
125.025 379.925
CLNC DEL
119.5 363.1
CPDLC
GND CON
121.9 348.6 (Inbound)
121.65 377.175 (Outbound)
118.925 227.125 (Rwy 11/29)
ST. LOUIS TOWER
120.05 284.6 (Rwys 12L/30R, 24)
118.5 257.7 (Rwy 12R/30L)
132.475 239.275 (Rwys 6, 11/29)
ST. LOUIS DEP CON
128.1 307.05
N
TOP ALTITUDE: 5000
MACON MCM
FL180 *2100 298° (64)
MRCOS
11000 *2000 300° (9)
WHRLI
(35) 304°
305° (33)
321° (33)
HAGEE 2500
PYUNG 2500
1120
303°
303°
1120
1120
090°
1120
123°
123°
1120
1120
LUUBE 2500
181° (4)
HEFNR 2500
194° (4)
DAFUS
223° (4)
TRAVS
280° (6)
SEKAY
302° (7)
LIISA
NOTE: Chart not to scale.
NOTE: RNAV 1.
NOTE: DME/DME/IRU or GPS required.
NOTE: RADAR required.
NOTE: For use by turbojet aircraft only.
TAKEOFF MINIMUMS
Rwys 6, 24: Standard with minimum climb of 500′ per NM to 1120 then minimum climb of 285′ per NM to 5000.
Rwy 11: Standard with minimum climb of 500′ per NM to LUUBE.
Rwys 12L, 12R: Standard with minimum climb of 500′ per NM to HEFNR.
Rwy 29: Standard with minimum climb of 500′ per NM to HAGEE.
Rwys 30L, 30R: Standard with minimum climb of 500′ per NM to PYUNG.
(NARRATIVE ON FOLLOWING PAGE)

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 6: Climb heading 064° to 1120, then as assigned by ATC, expect RADAR vectors to WHRLI. Thence. . . .

TAKEOFF RUNWAY 24: Climb heading 244° to 1120, then as assigned by ATC, expect RADAR vectors to WHRLI. Thence. . . .

TAKEOFF RUNWAY 11: Climb heading 123° to 1120, then direct LUUBE, cross LUUBE at or above 2500, then on depicted route to WHRLI. Thence. . . .

TAKEOFF RUNWAYS 12L/R: Climb heading 123° to 1120, then direct HEFNR, cross HEFNR at or above 2500, then on depicted route to WHRLI. Thence. . . .

TAKEOFF RUNWAY 29: Climb heading 303° to 1120, then direct HAGEE, cross HAGEE at or above 2500, then on depicted route to WHRLI. Thence. . . .

TAKEOFF RUNWAYS 30L/R: Climb heading 303° to 1120, then direct PYUNG, cross PYUNG at or above 2500, then on depicted route to WHRLI. Thence. . . .

. . . . (transition). Maintain 5000, expect filed altitude 10 minutes after departure.

MACON TRANSITION (WHRLI6.MCM)

ILS or LOC RWY 8R
SPIRIT OF ST LOUIS (SUS)

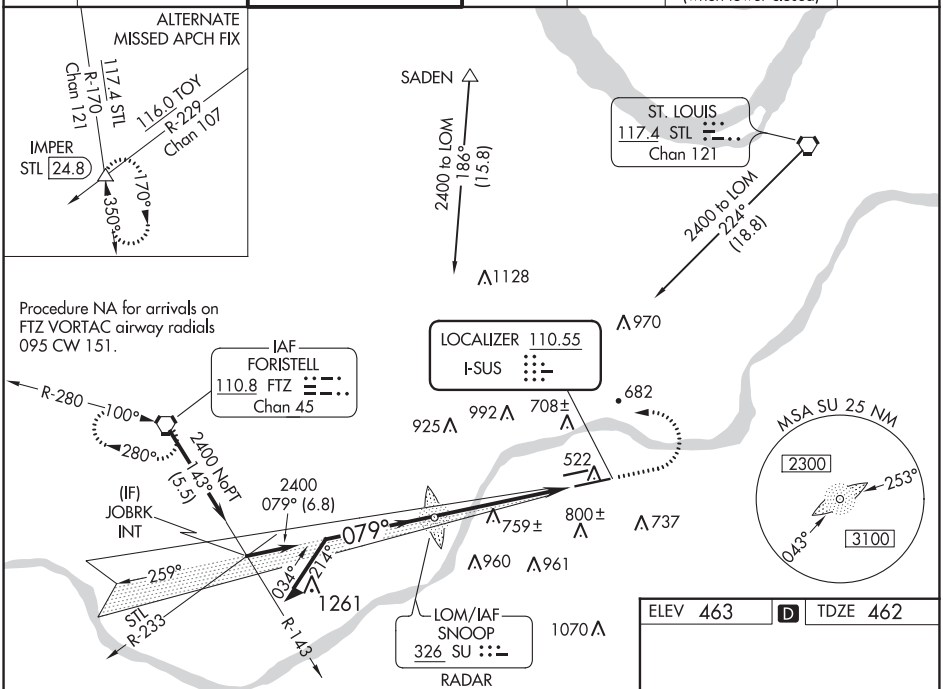
LOC I-SUS	APP CRS	Rwy ldg / TDZE / Apt Elev
110.55	079°	7414 / 462 / 463

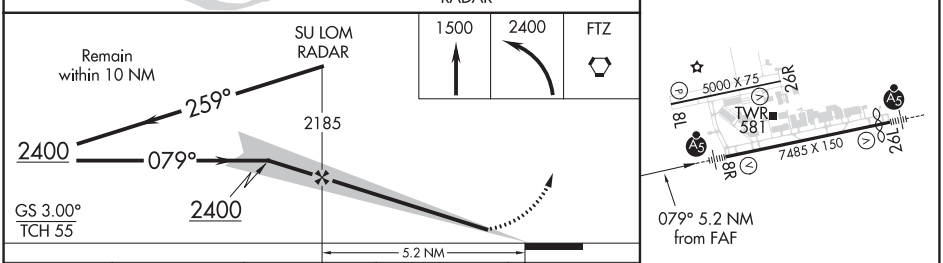
When local altimeter setting not received, use St Louis Lambert Intl altimeter setting and increase all DA to 719 feet, all MDA 60 feet, increase S-LOC 8R Cats C/D to RVR 5000 and Circling Cat C visibility ¼ mile. For inop MALSR, increase S-LOC 8R Cats C/D visibility to RVR 6000. For inop MALSR when using St Louis Lambert Intl altimeter setting, increase S-LOC 8R Cats C/D visibility to 1⅜ mile.
* RVR 1800 authorized with the use of FD or AP or HUD to DA (NA when using St Louis Lambert Intl altimeter setting).

MALSR

MISSED APPROACH: Climb to 1500 then climbing left turn to 2400 direct FTZ VORTAC and hold.

ATIS	ST. LOUIS APP CON	SPIRIT TOWER*	GND CON	CLNC DEL	ST. LOUIS CLNC DEL	UNICOM
134.8	126.5 254.3	124.75 (CTAF) L 257.2	121.7	133.1	121.7 (when tower closed)	122.95





ELEV 463 | D | TDZE 462

MIRL Rwy 8L-26R L
HIRL Rwy 8R-26L L

CATEGORY	A	B	C	D
S-ILS 8R *	662/24 200 (200-½)			
S-LOC 8R	880/24 418 (500-½)		880/40 418 (500-¾)	
CIRCLING	1100-1 637 (700-1)		1120-1¾ 657 (700-1¾)	1140-2¼ 677 (700-2¼)

FAF to MAP 5.2 NM					
Knots	60	90	120	150	180
Min:Sec	5:12	3:28	2:36	2:05	1:44

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

ILS or LOC RWY 26L
SPIRIT OF ST LOUIS (SUS)

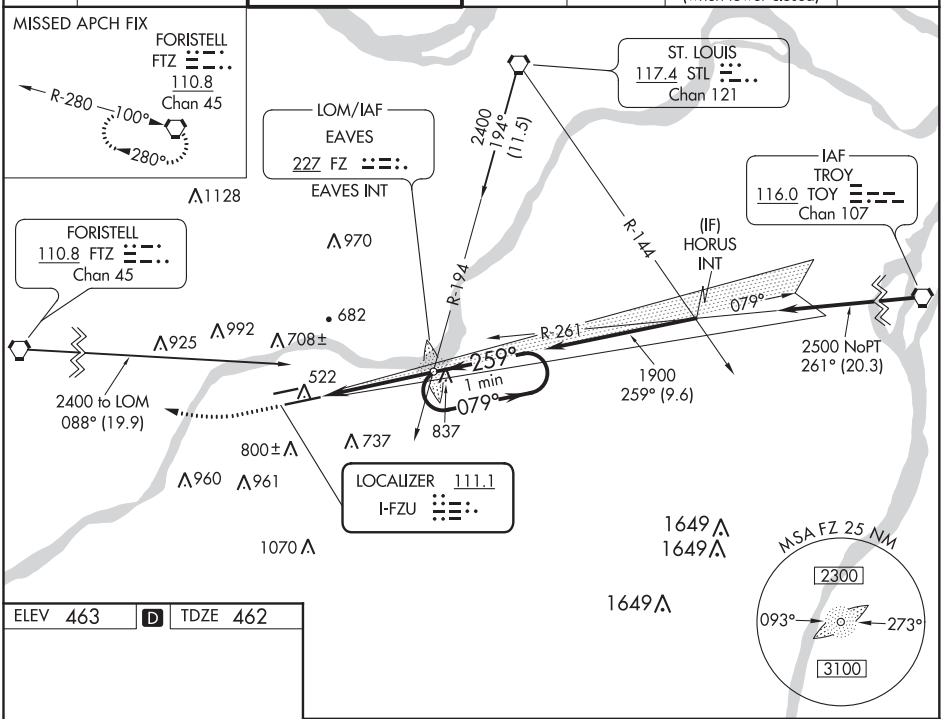
LOC I-FZU	APP CRS	Rwy ldg	7004
111.1	259°	TDZE	462
		Apt Elev	463

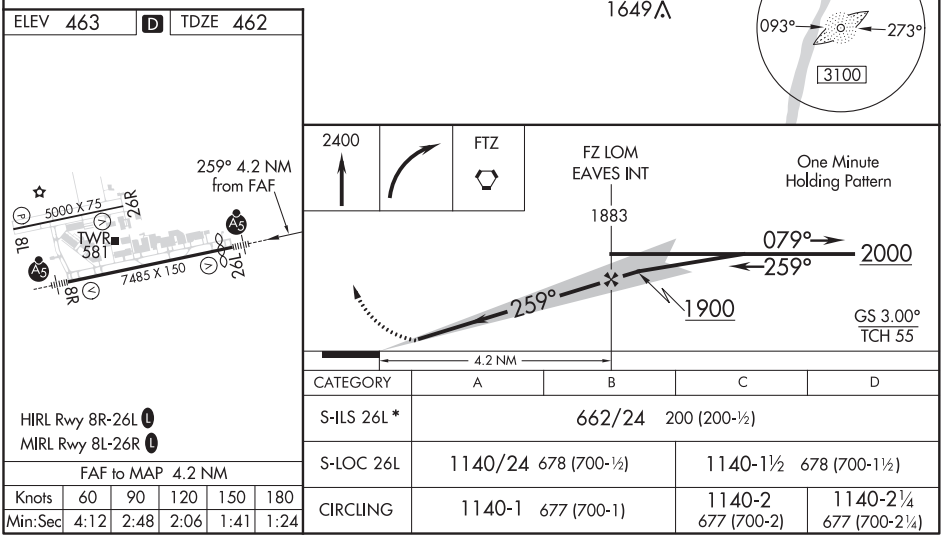
When local altimeter setting not received, use St Louis Lambert Intl altimeter setting and increase all DA to 719 and all MDA 60 feet, increase S-LOC Cat C and D visibility ⅛ mile. For inop MALSR, increase S-LOC 26L Cats C/D visibility to 1⅞ miles. For inop MALSR when using St Louis Lambert Intl altimeter setting, increase S-LOC 26L Cats C/D visibility to 2 miles. *RVR 1800 authorized with the use of FD or AP or HUD to DA (NA when using St Louis Lambert Intl altimeter setting).

MALSR

MISSED APPROACH: Climb to 2400 then right turn direct FTZ VORTAC and hold.

ATIS	ST. LOUIS APP CON	SPIRIT TOWER*	GND CON	CLNC DEL	ST. LOUIS CLNC DEL	UNICOM
134.8	126.5 254.3	124.75 (CTAF) L 257.2	121.7	133.1	121.7 (when tower closed)	122.95





FAF to MAP 4.2 NM					
Knots	60	90	120	150	180
Min:Sec	4:12	2:48	2:06	1:41	1:24

CATEGORY	A	B	C	D
S-ILS 26L*	662/24 200 (200-½)			
S-LOC 26L	1140/24 678 (700-½)		1140-1½ 678 (700-1½)	
CIRCLING	1140-1 677 (700-1)		1140-2 677 (700-2)	1140-2¼ 677 (700-2¼)

NC-3, 25 FEB 2021 to 22 APR 2021

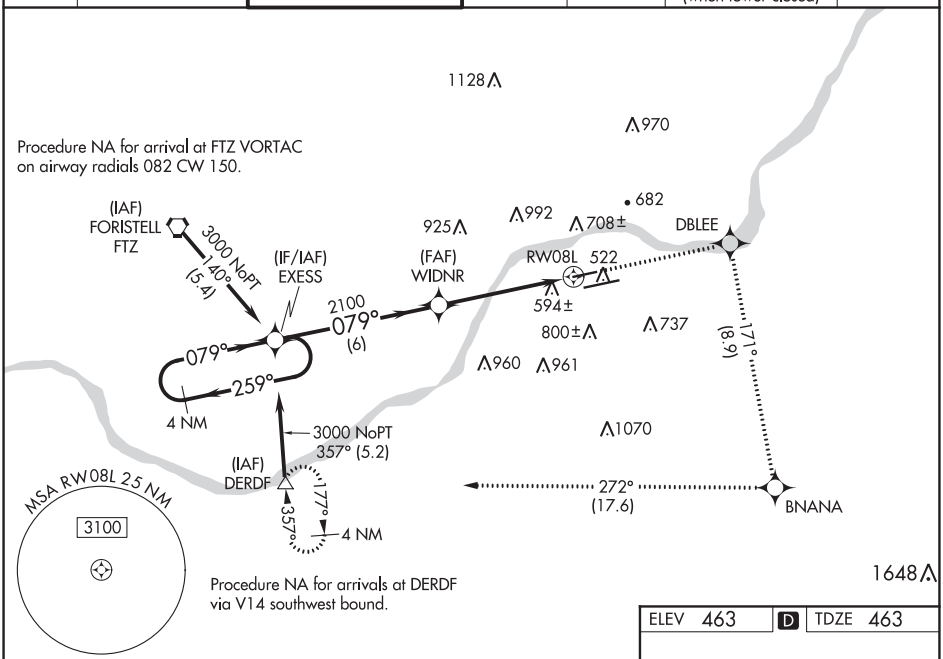
WAAS CH 99414 W08A	APP CRS 079°	Rwy ldg 5000 TDZE 463 Apt Elev 463

RNAV (GPS) RWY 8L
SPIRIT OF ST LOUIS (SUS)

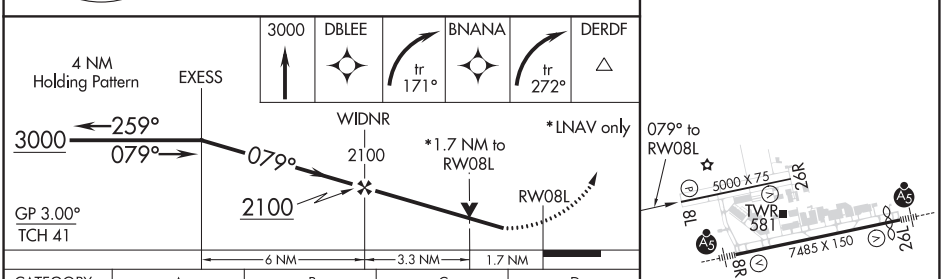
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Helicopter visibility reduction below ¾ SM NA. VDP and Baro-VNAV NA when using St Louis Lambert Intl altimeter setting.
When local altimeter setting not received, use St Louis Lambert Intl altimeter setting and increase LPV DA to 912, LNAV/VNAV DA to 1132 and all MDA 60 feet, increase LPV all Cats visibility to 1½ miles.

MISSED APPROACH: Climb to 3000 direct DBLEE and right turn on track 171° to BNANA and right turn on track 272° to DERDF and hold.

ATIS	ST. LOUIS APP CON	SPIRIT TOWER*	GND CON	CLNC DEL	ST. LOUIS CLNC DEL	UNICOM
134.8	126.5 254.3	124.75 (CTAF) L 257.2	121.7	133.1	121.7 (when tower closed)	122.95



ELEV 463	D	TDZE 463



CATEGORY	A	B	C	D
LPV DA	855-1⅜ 392 (400-1⅜)		NA	
LNAV/VNAV DA	1075-2½ 612 (700-2½)		NA	
LNAV MDA	1040-1 577 (600-1)		NA	
CIRCLING	1100-1 637 (700-1)		NA	

MIRL Rwy 8L-26R L
HIRL Rwy 8R-26L L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 61114 W08B	APP CRS 079°	Rwy ldg 7414 TDZE 462 Apt Elev 463

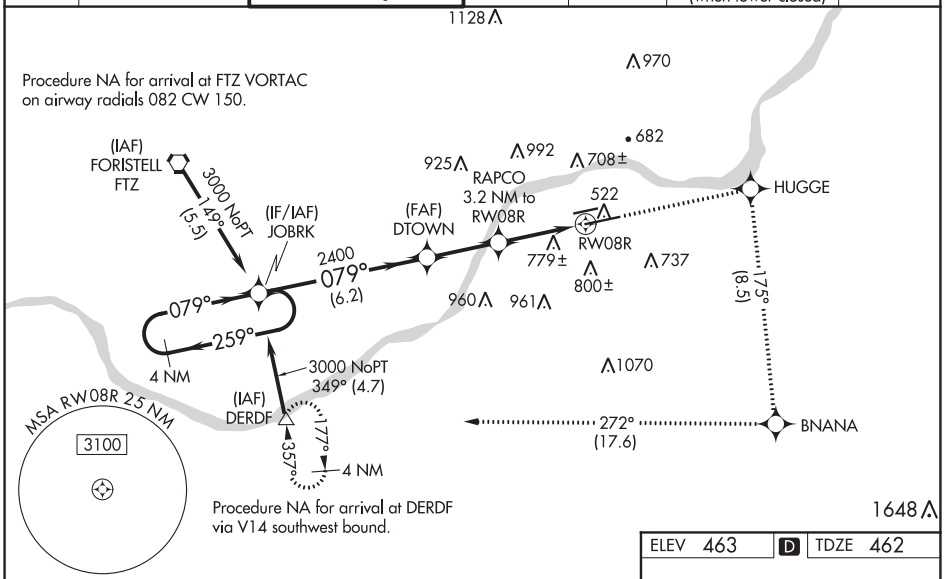
RNAV (GPS) RWY 8R
SPIRIT OF ST LOUIS (SUS)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Baro-VNAV and VDP NA when using St Louis Lambert Intl altimeter setting. When local altimeter setting not received, use St Louis Lambert Intl altimeter setting and increase all DA 57 feet all MDA 60 feet, increase visibility LNAV/VNAV all Cats and LNAV Cats C/D ⅛ mile, and Circling Cat C ¼ mile. For inop MALSR, increase LNAV/VNAV all Cats visibility to 2½ mile and LNAV Cats C/D visibility to 1⅝ mile. For inop MALSR when using St Louis Lambert Intl altimeter setting, increase LNAV Cats C/D visibility to 1¾ mile.
RVR 1800 authorized with use of FD or AP or HUD to DA, NA when using St Louis Lambert Intl altimeter setting.

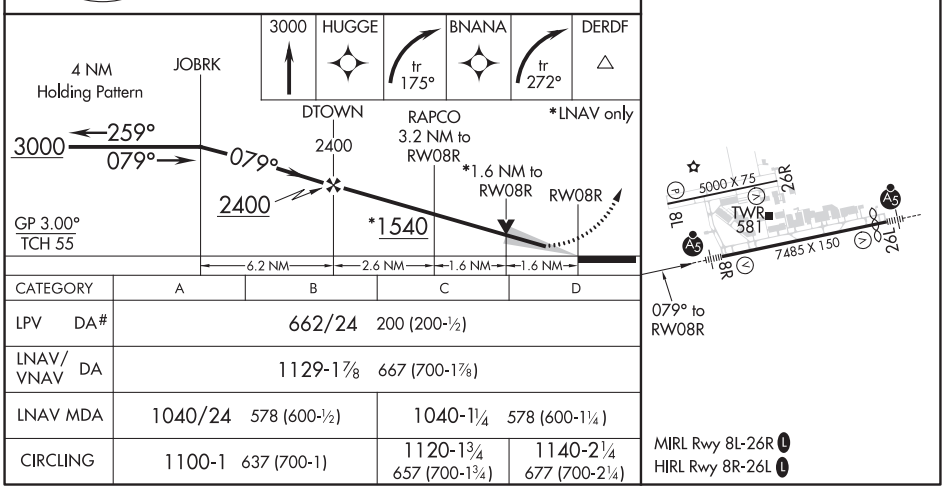
MALSR

MISSED APPROACH: Climb to 3000 direct HUGGE and right turn on track 175° to BNANA and right turn on track 272° to DERDF and hold.

ATIS	ST. LOUIS APP CON	SPIRIT TOWER★	GND CON	CLNC DEL	ST. LOUIS CLNC DEL	UNICOM
134.8	126.5 254.3	124.75 (CTAF) L 257.2	121.7	133.1	121.7 (when tower closed)	122.95



ELEV 463	D	TDZE 462



CATEGORY	A	B	C	D
LPV DA#	662/24 200 (200-½)			
LNAV/VNAV DA	1129-1⅞ 667 (700-1⅞)			
LNAV MDA	1040/24 578 (600-½)		1040-1¼ 578 (600-1¼)	
CIRCLING	1100-1 637 (700-1)		1120-1¾ 657 (700-1¾)	1140-2¼ 677 (700-2¼)

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 81914 W26B	APP CRS 259°	Rwy ldg 7004 TDZE 462 Apt Elev 463

RNAV (GPS) RWY 26L
SPIRIT OF ST LOUIS (SUS)

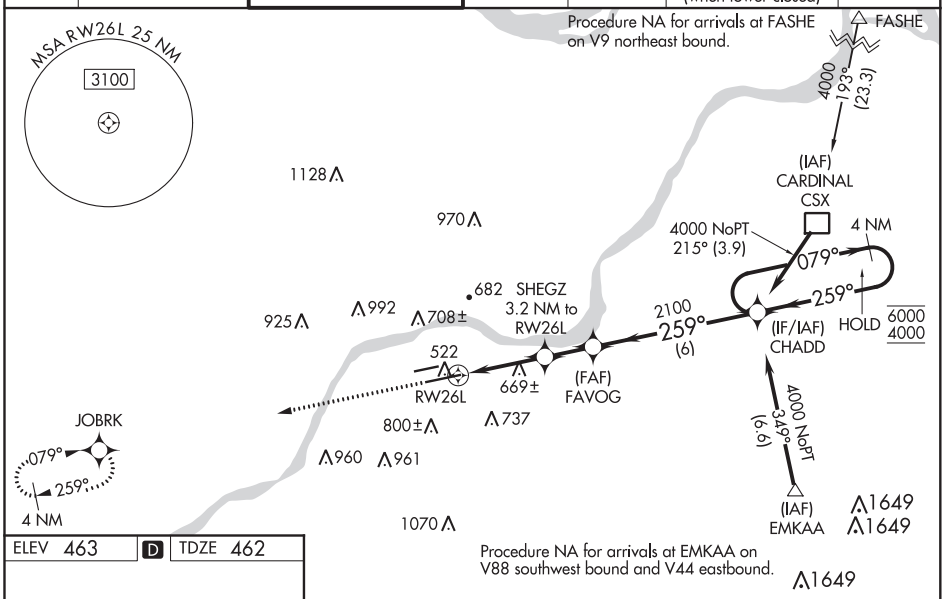
RNP APCH.

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -18°C or above 54°C. Baro-VNAV and VDP NA when using St. Louis Lambert Intl altimeter setting. When local altimeter setting not received, use St. Louis Lambert Intl altimeter setting and increase all DA 57 feet, all MDA 60 feet, increase LNAV/VNAV visibility all Cats, and LNAV Cats C/D visibility to RVR 5500. For inop ALS when using St. Louis Lambert Intl altimeter setting, increase LNAV/VNAV all Cats visibility to 1⅜ mile and LNAV Cat C/D visibility to 1⅜ mile.
#RVR 1800 authorized with use of FD or AP or HUD to DA, NA when using St. Louis Lambert Intl altimeter setting.

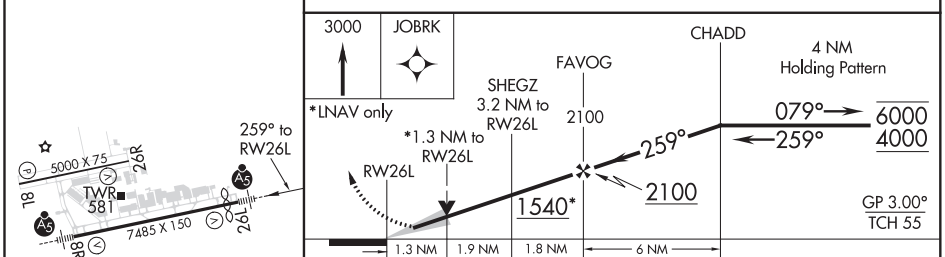
MALSR

MISSED APPROACH: Climb to 3000 direct JOBRK and hold.

ATIS	ST. LOUIS APP CON	SPIRIT TOWER*	GND CON	CLNC DEL	ST. LOUIS CLNC DEL	UNICOM
134.8	126.5 254.3	124.75 (CTAF) L 257.2	121.7	133.1	121.7 (when tower closed)	122.95



ELEV 463 D TDZE 462



CATEGORY	A	B	C	D
LPV DA#	662/24 200 (200-½)			
LNAV/VNAV DA	916/45 454 (500-⅞)			
LNAV MDA	920/24 458 (500-½)		920/45 458 (500-⅞)	
C CIRCLING	1100-1 637 (700-1)	1120-1 657 (700-1)	1140-2 677 (700-2)	1360-3 897 (900-3)

MIRL Rwy 8L-26R L
HIRL Rwy 8R-26L L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

ST. LOUIS, MISSOURI | AL-5400 (FAA) | 20310

WAAS CH 97414 W26A	APP CRS 259°	Rwy ldg 5000 TDZE 463 Apt Elev 463

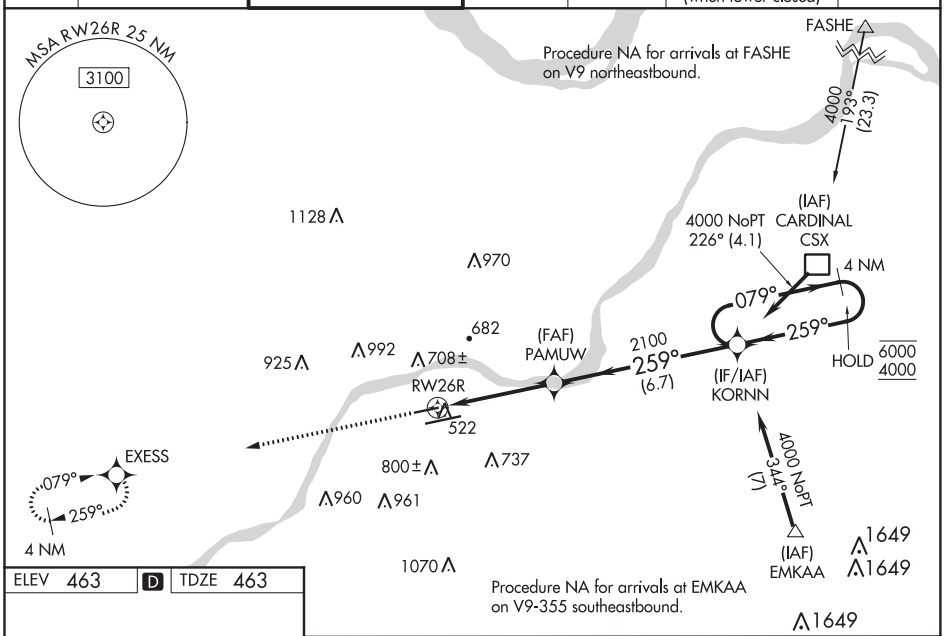
RNAV (GPS) RWY 26R
SPIRIT OF ST LOUIS (SUS)

RNP APCH.

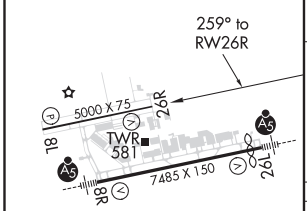
Rwy 26R helicopter visibility reduction below ¾ SM NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -18°C or above 54°C. VDP and Baro-VNAV NA when using St Louis Lambert Intl altimeter setting. When local altimeter setting not received, use St Louis Lambert Intl altimeter setting and increase LPV DA to 768 feet, LNAV/VNAV DA to 834 feet, and all MDA 60 feet, increase LPV and LNAV/VNAV all Cats visibility ⅛ mile.

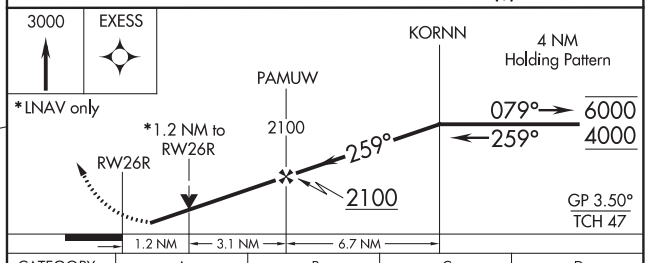
MISSED APPROACH: Climb to 3000 direct EXESS and hold.

ATIS	ST. LOUIS APP CON	SPIRIT TOWER*	GND CON	CLNC DEL	ST. LOUIS CLNC DEL	UNICOM
134.8	126.5 254.3	124.75 (CTAF) L 257.2	121.7	133.1	121.7 (when tower closed)	122.95



ELEV 463 | D | TDZE 463

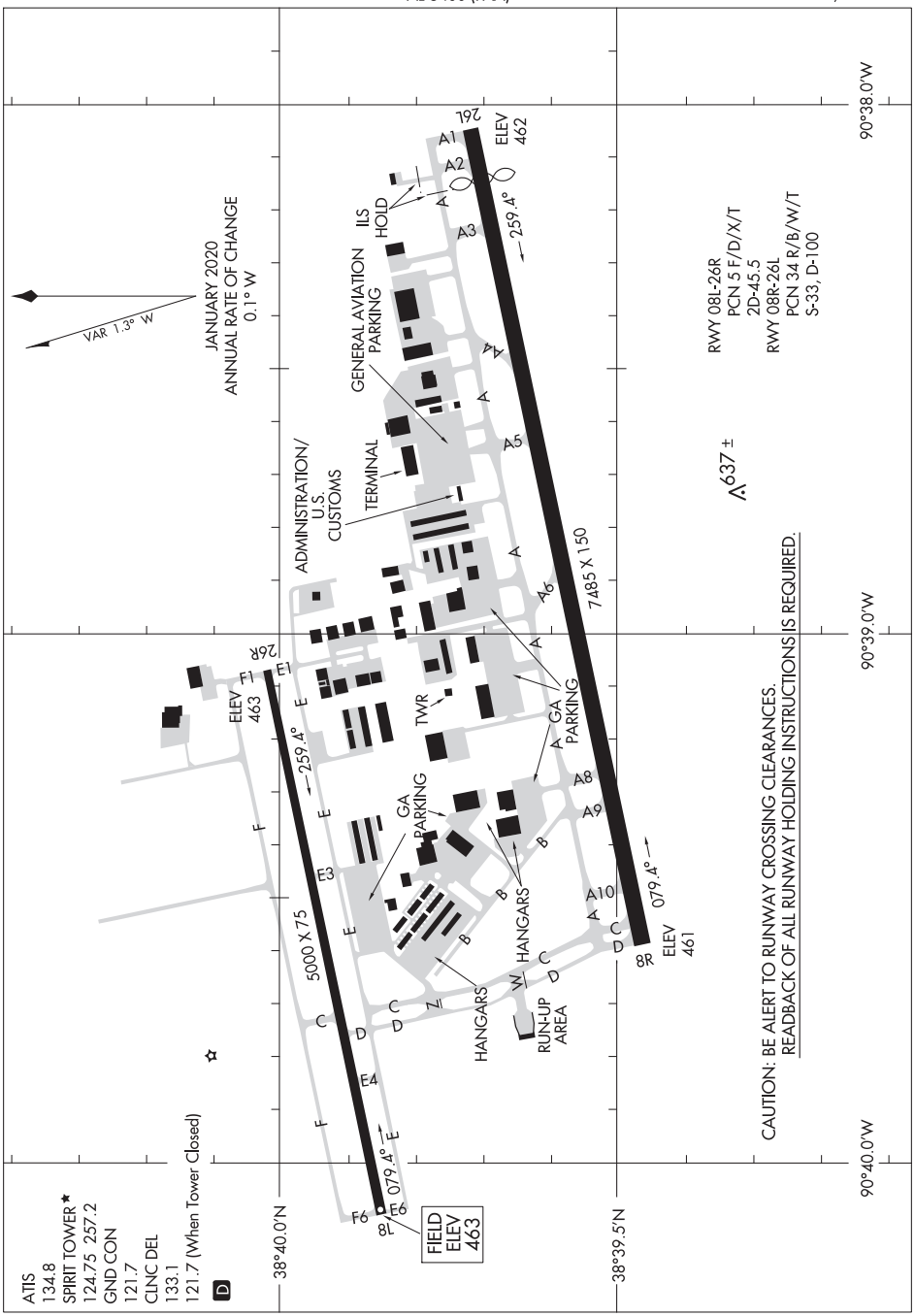




CATEGORY	A	B	C	D
LPV DA	713-¾ 250 (300-¾)		NA	
LNAV/VNAV DA	780-⅞ 317 (400-⅞)		NA	
LNAV MDA	940-1 477 (500-1)		NA	
CIRCLING	1100-1 637 (700-1)	1120-1 657 (700-1)	NA	

MIRL Rwy 8L-26R L
HIRL Rwy 8R-26L L

NC-3, 25 FEB 2021 to 22 APR 2021

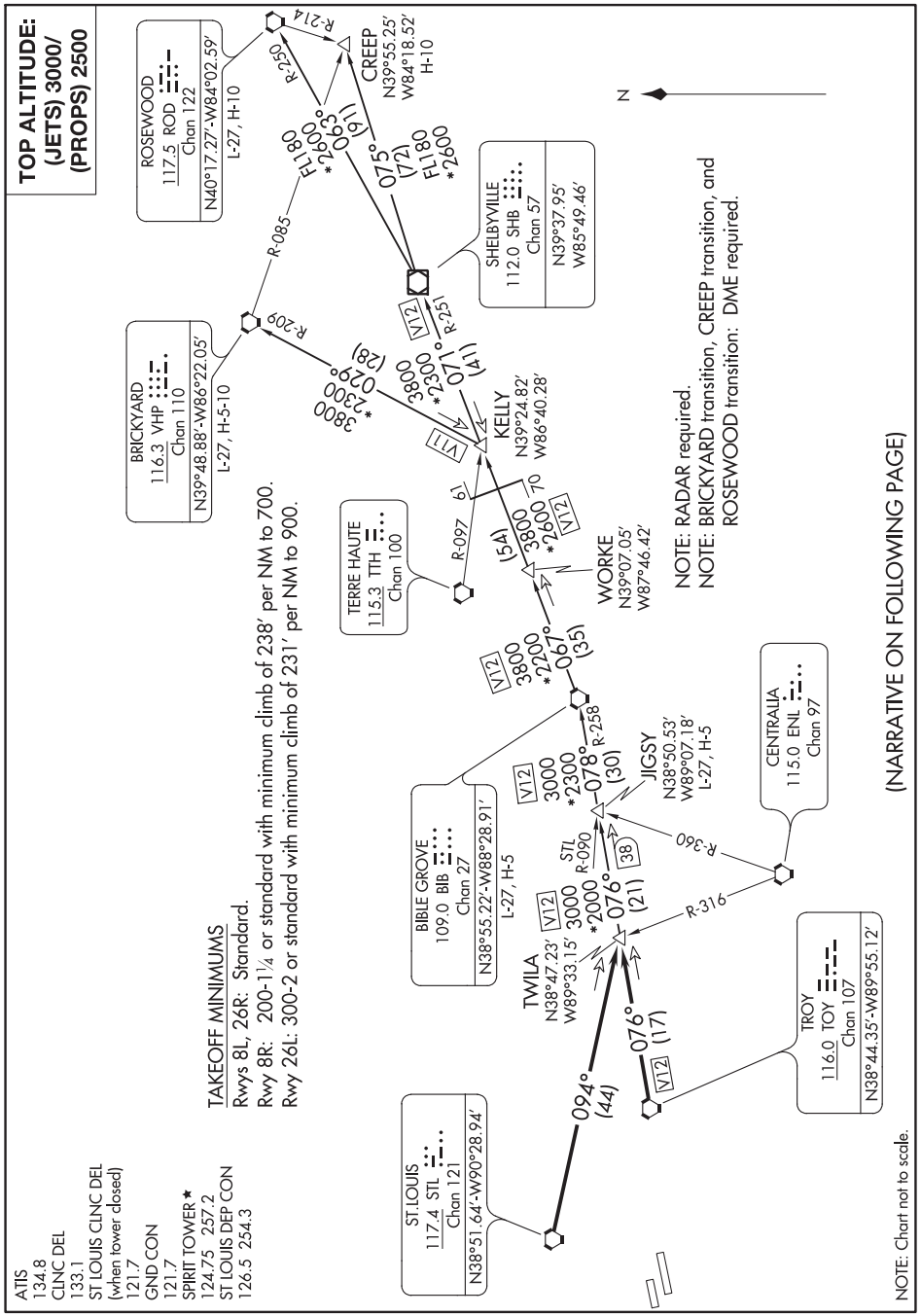

VAR 1.3° W
JANUARY 2020
ANNUAL RATE OF CHANGE
0.1° W
ILS HOLD
GENERAL AVIATION PARKING
TERMINAL
ADMINISTRATION/ U.S. CUSTOMS
TWR
GA PARKING
HANGARS
RUN-UP AREA
26L
ELEV 462
A1
A2
A3
A5
A6
A8
A9
A10
259.4°
7485 X 150
RWY 08L-26R
PCN 5 F/D/X/T
2D-45.5
RWY 08R-26L
PCN 34 R/B/W/T
S-33, D-100
637 ±
CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.
READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.
26R
ELEV 463
F1
E1
E3
E4
E6
F6
5000 X 75
079.4°
18
FIELD ELEV 463
8R
ELEV 461
ATIS
134.8
SPIRIT TOWER
124.75 257.2
GND CON
121.7
CLNC DEL
133.1
121.7 (When Tower Closed)
D
38°40.0'N
38°39.5'N
90°38.0'W
90°39.0'W
90°40.0'W

(GATWY1.TWILA) 20086

GATEWAY ONE DEPARTURE

AL-5400 (FAA)

SPIRIT OF ST LOUIS (SUS)
ST. LOUIS, MISSOURI



ATIS 134.8
CLNC DEL 133.1
ST LOUIS CLNC DEL (when tower closed) 121.7
GND CON 121.7
SPIRIT TOWER ★ 124.75 257.2
ST LOUIS DEP CON 126.5 254.3

TAKEOFF MINIMUMS
Rwys 8L, 26R: Standard.
Rwy 8R: 200-1¼ or standard with minimum climb of 238′ per NM to 700.
Rwy 26L: 300-2 or standard with minimum climb of 231′ per NM to 900.

NC-3, 25 FEB 2021 to 22 APR 2021

GATEWAY ONE DEPARTURE

(GATWY1.TWILA) 08NOV18

ST. LOUIS, MISSOURI
SPIRIT OF ST LOUIS (SUS)

DEPARTURE ROUTE DESCRIPTION

Climb on assigned heading for vector to appropriate route.

JETS: Maintain 3000 or assigned altitude, thence. . . .
PROPS: Maintain 2500 or assigned altitude, thence. . . .

. . . .from over TOY VORTAC on TOY R-076 or over STL VORTAC on STL R-094 to TWILA INT. Then on (transition), expect clearance to filed altitude 10 minutes after departure.

BIBLE GROVE TRANSITION (GATWY1.BIB): From over TWILA on TOY R-076 to JIGSY, then on BIB R-258 to BIB VORTAC.

BRICKYARD TRANSITION (GATWY1.VHP): From over TWILA on TOY R-076 to JIGSY, then on BIB R-258 to BIB VORTAC, then on BIB R-067 to WORKE, then on BIB R-067 and SHB R-251 to KELLY, then on VHP R-209 to VHP VORTAC.

CREEP TRANSITION (GATWY1.CREEP): From over TWILA on TOY R-076 to JIGSY, then on BIB R-258 to BIB VORTAC, then on BIB R-067 to WORKE, then on BIB R-067 and SHB R-251 to KELLY, then on SHB R-251 to SHB VOR/DME, then on SHB R-075 to CREEP.

JIGSY TRANSITION (GATWY1.JIGSY): From over TWILA on TOY R-076 to JIGSY.

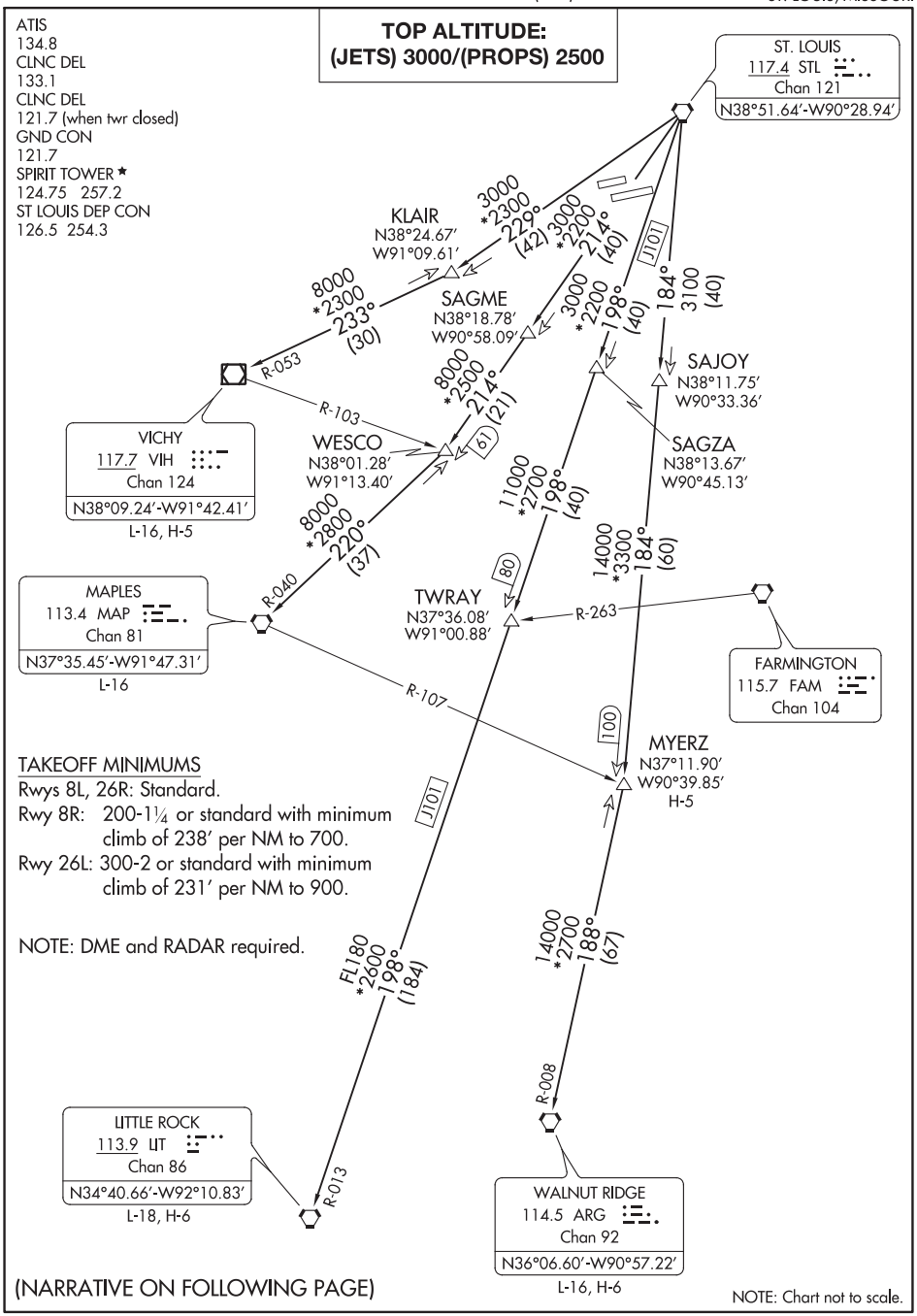
ROSEWOOD TRANSITION (GATWY1.ROD): From over TWILA on TOY R-076 to JIGSY, then on BIB R-258 to BIB VORTAC, then on BIB R-067 to WORKE, then on BIB R-067 and SHB R-251 to KELLY, then on SHB R-251 to SHB VOR/DME, then on SHB R-063 and ROD R-250 to ROD VORTAC.

(LINDY7.STL) 20198

LINDBERGH SEVEN DEPARTURE

AL-5400 (FAA)

SPIRIT OF ST LOUIS (SUS)
ST. LOUIS, MISSOURI



NC-3, 25 FEB 2021 to 22 APR 2021

LINDBERGH SEVEN DEPARTURE
(LINDY7.STL) 16JUL20
ST. LOUIS, MISSOURI
SPIRIT OF ST LOUIS (SUS)

DEPARTURE ROUTE DESCRIPTION

Climb on assigned heading for vector to appropriate route.

JETS: Maintain 3000 or assigned altitude, thence . . . .
PROPS: Maintain 2500 or assigned altitude, thence . . . .

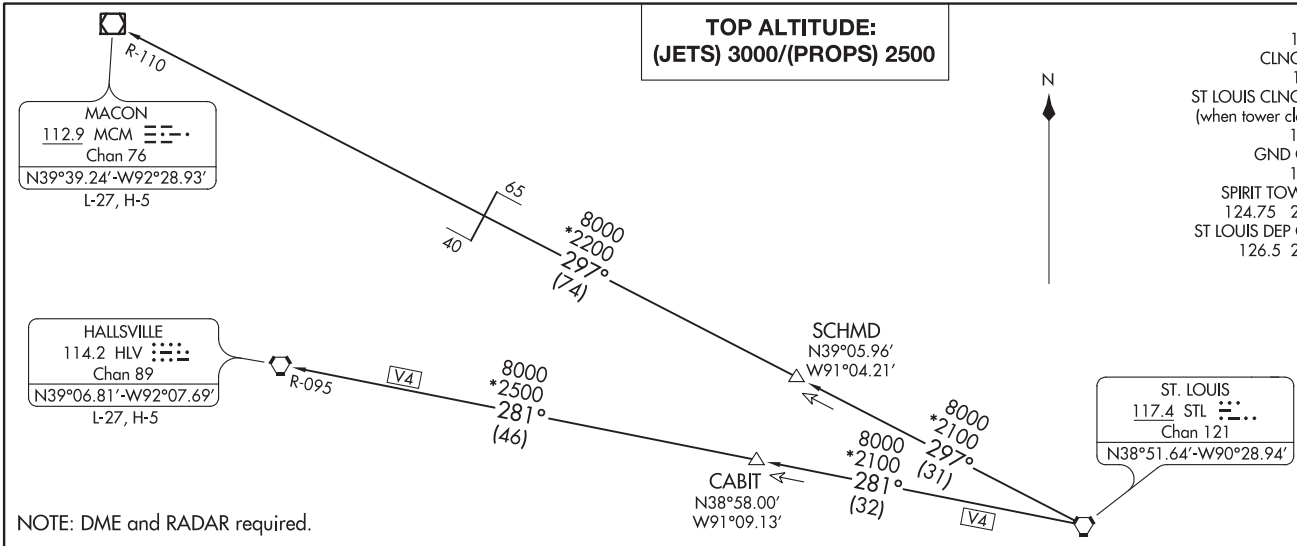
. . . . (transition). Expect filed altitude 10 minutes after departure.

LITTLE ROCK TRANSITION (LINDY7.LIT): From over STL VORTAC on STL R-198 to TWRAY, then on STL R-198 and LIT R-013 to LIT VORTAC.
MAPLES TRANSITION (LINDY7.MAP): From over STL VORTAC on STL R-214 to WESCO, then on MAP R-040 to MAP VORTAC.
MYERZ TRANSITION (LINDY7.MYERZ): From over STL VORTAC on STL R-184 to MYERZ.
VICHY TRANSITION (LINDY7.VIH): From over STL VORTAC on STL R-229 to KLAIR, then on VIH R-053 to VIH VOR/DME.
WALNUT RIDGE TRANSITION (LINDY7.ARG): From over STL VORTAC on STL R-184 to MYERZ, then on ARG R-008 to ARG VORTAC.

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

TOP ALTITUDE:
(JETS) 3000/(PROPS) 2500

ATIS
134.8
CLNC DEL
133.1
ST LOUIS CLNC DEL
(when tower closed)
121.7
GND CON
121.7
SPIRIT TOWER★
124.75 257.2
ST LOUIS DEP CON
126.5 254.3



NOTE: DME and RADAR required.

DEPARTURE ROUTE DESCRIPTION

Climb on assigned heading for vector to appropriate route.

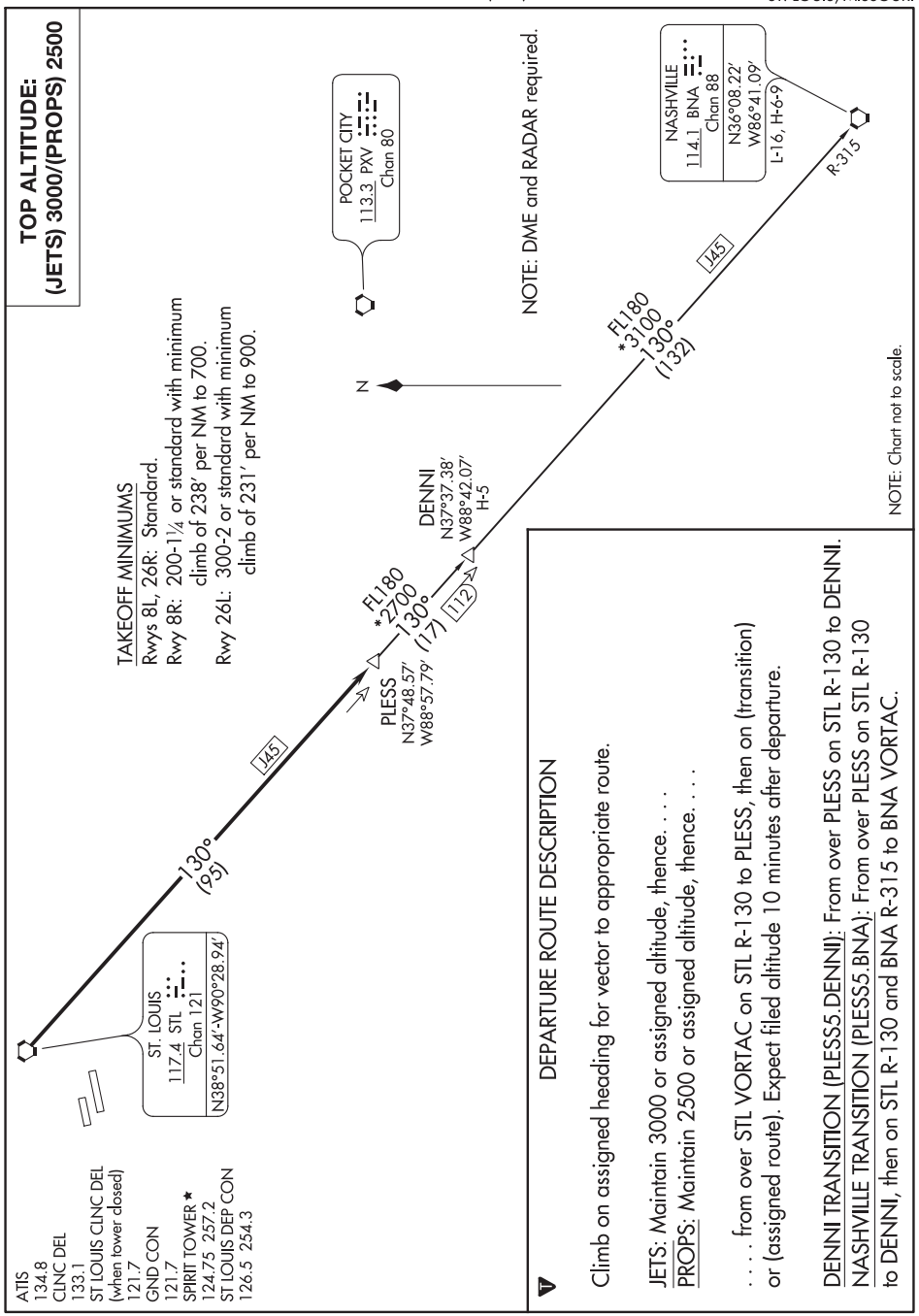
JETS: Maintain 3000 or assigned altitude, thence . . . .
PROPS: Maintain 2500 or assigned altitude, thence . . . .

. . . . (transition). Expect filed altitude 10 minutes after departure.

HALLSVILLE TRANSITION (OZARK7.HLV): From over STL VORTAC on STL R-281 to CABIT, then on STL R-281 and HLV R-095 to HLV VORTAC.
MACON TRANSITION (OZARK7.MCM): From over STL VORTAC on STL R-297 to SCHMD, then on STL R-297 and MCM R-110 to MCM VOR/DME.

TAKEOFF MINIMUMS
Rwys 8L, 26R: Standard.
Rwy 8R: 200-1¼ or standard with minimum climb of 238′ per NM to 700.
Rwy 26L: 300-2 or standard with minimum climb of 231′ per NM to 900.

NOTE: Chart not to scale.


TOP ALTITUDE:
(JETS) 3000/(PROPS) 2500
ATIS
134.8
CLNC DEL
133.1
ST LOUIS CLNC DEL
(when tower closed)
121.7
GND CON
121.7
SPIRIT TOWER ★
124.75 257.2
ST LOUIS DEP CON
126.5 254.3
ST. LOUIS
117.4 STL
Chan 121
N38°51.64'-W90°28.94'
130°
(9.5)
J45
PLESS
N37°48.57'
W88°57.79'
FL180
*2700
130°
(17)
112
DENNI
N37°37.38'
W88°42.07'
H-5
TAKEOFF MINIMUMS
Rwys 8L, 26R: Standard.
Rwy 8R: 200-1¼ or standard with minimum climb of 238' per NM to 700.
Rwy 26L: 300-2 or standard with minimum climb of 231' per NM to 900.
N
POCKET CITY
113.3 PXV
Chan 80
NOTE: DME and RADAR required.
FL180
*3100
130°
(13.2)
J45
NASHVILLE
114.1 BNA
Chan 88
N36°08.22'
W86°41.09'
L-16, H-6-9
R-315
NOTE: Chart not to scale.
DEPARTURE ROUTE DESCRIPTION
Climb on assigned heading for vector to appropriate route.
JETS: Maintain 3000 or assigned altitude, thence. . . .
PROPS: Maintain 2500 or assigned altitude, thence. . . .
. . . . from over STL VORTAC on STL R-130 to PLESS, then on (transition) or (assigned route). Expect filed altitude 10 minutes after departure.
DENNI TRANSITION (PLESS5.DENNI): From over PLESS on STL R-130 to DENNI.
NASHVILLE TRANSITION (PLESS5.BNA): From over PLESS on STL R-130 to DENNI, then on STL R-130 and BNA R-315 to BNA VORTAC.

SALEM, MISSOURI | AL-9436 (FAA) | 18256

RNAV (GPS) RWY 17
SALEM MEMORIAL (K33)

APP CRS	Rwy ldg	2998
166°	TDZE	1241
	Apt Elev	1241

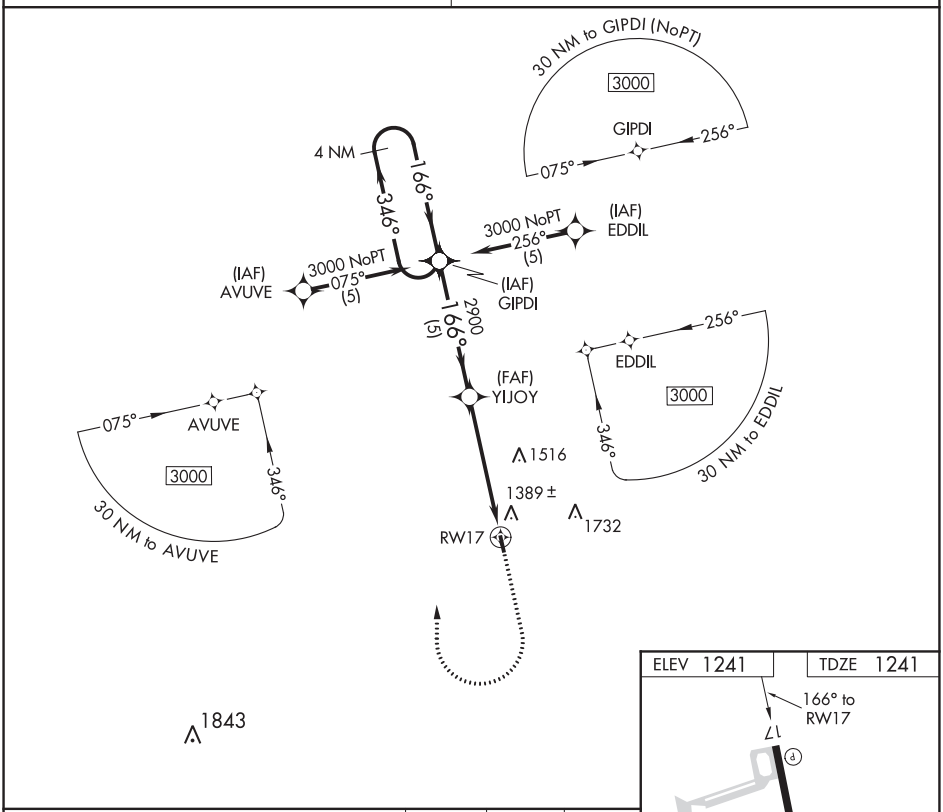
RNP APCH.

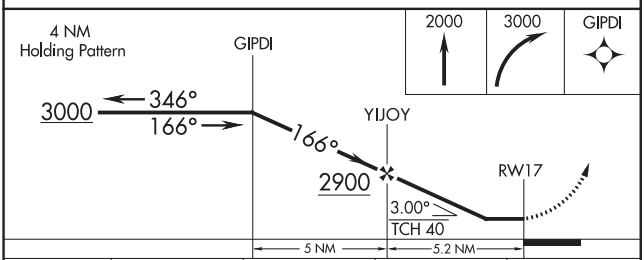
Use Rolla National altimeter setting.

NA Rwy 17 helicopter visibility reduction below ¾ SM NA.

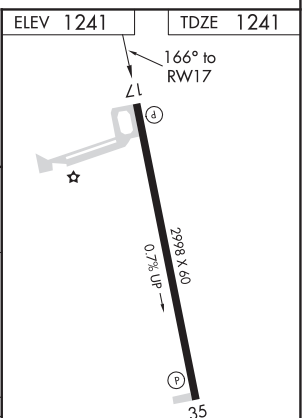
MISSED APPROACH: Climb to 2000 then climbing right turn to 3000 direct GIPDI WP and hold.

KANSAS CITY CENTER	CTAF
128.35 284.675	122.9 L





CATEGORY	A	B	C	D
LNAV	1740-1 499 (500-1)		NA	
CIRCLING	1840-1 599 (600-1)		NA	



MIRL Rwy 17-35 L

REIL Rwys 17 and 35 L

SALEM, MISSOURI
Orig-A 13SEP18

37°37′N-91°36′W

SALEM MEMORIAL (K33)
RNAV (GPS) RWY 17

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

RNAV (GPS) RWY 35
SALEM MEMORIAL (K33)

APP CRS	Rwy ldg	2998
346°	TDZE	1241
	Apt Elev	1241

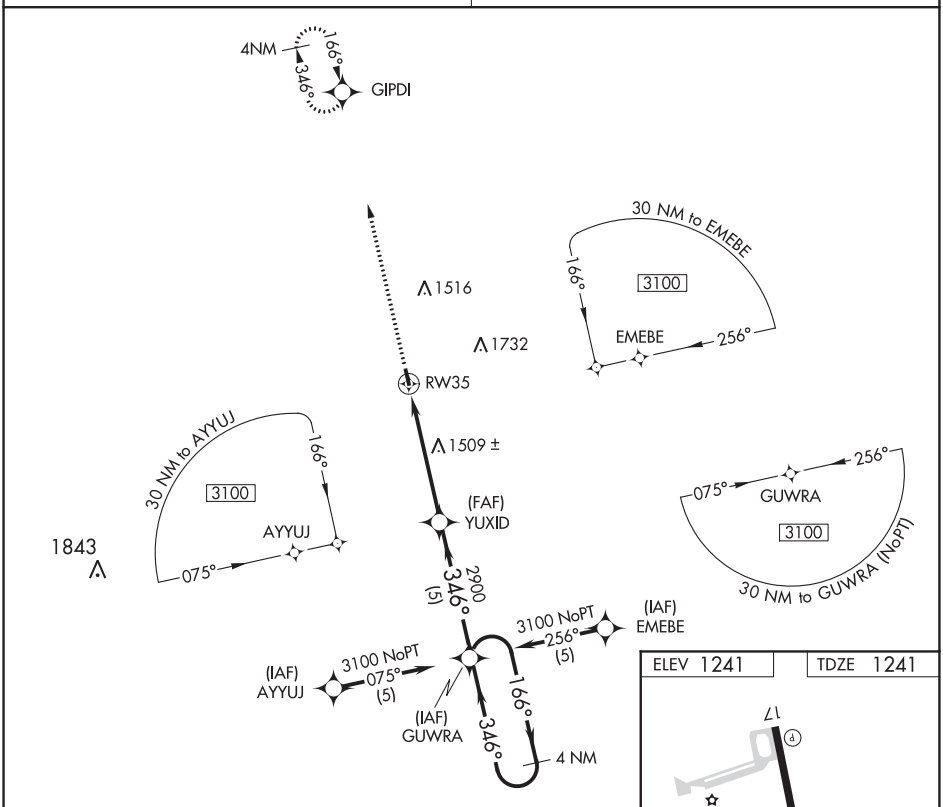
RNP APCH.

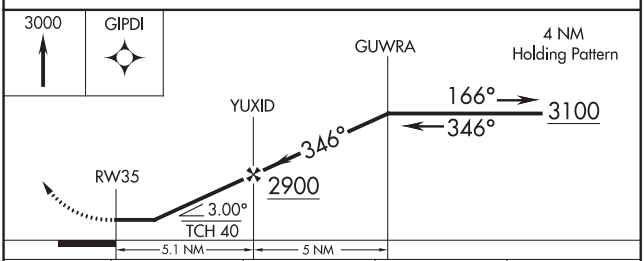
Use Rolla National altimeter setting.

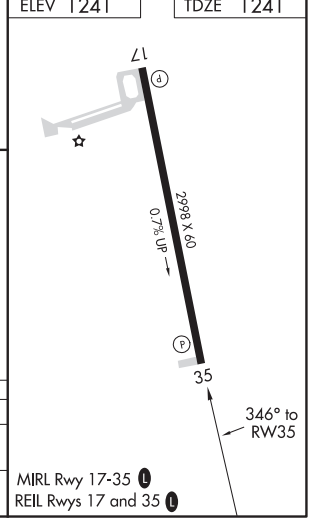
NA Rwy 35 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 3000 direct GIPDI and hold.

KANSAS CITY CENTER	CTAF
128.35 284.675	122.9 L







CATEGORY	A	B	C	D
LNAV	1860-1 619 (700-1)		NA	
CIRCLING	1860-1 619 (700-1)		NA	

SALEM, MISSOURI AL-9436 (FAA) 20310

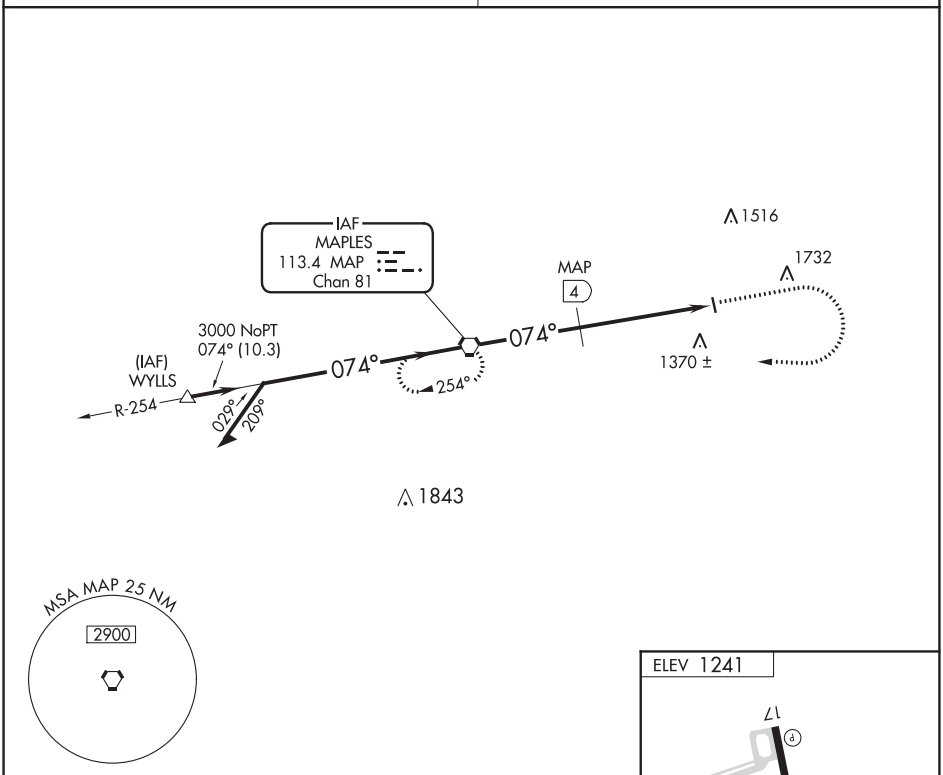
VOR-A
SALEM MEMORIAL (K33)

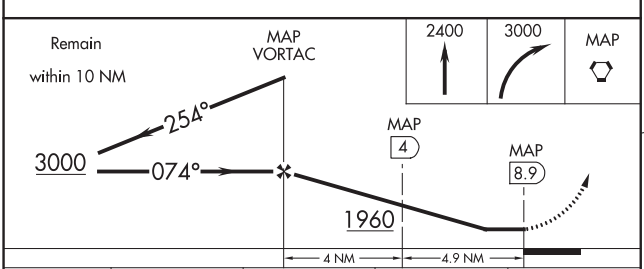
VORTAC MAP	APP CRS	Rwy ldg	N/A
113.4	074°	TDZE	N/A
Chan 81		Apt Elev	1241

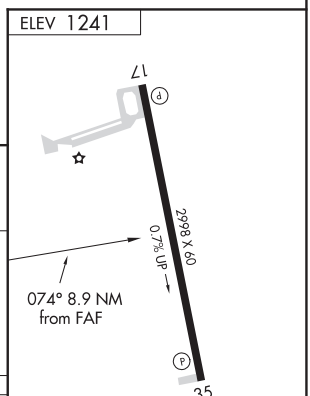
NA Use Rolla National altimeter setting.

MISSED APPROACH: Climb to 2400 then climbing right turn to 3000 direct MAP VORTAC and hold.

KANSAS CITY CENTER	CTAF
128.35 284.675	122.9 L







MIRL Rwy 17-35 L
REIL Rwys 17 and 35 L

CATEGORY	A	B	C	D
CIRCLING	1960-1 719 (800-1)		NA	
DME MINIMUMS				
CIRCLING	1840-1 599 (600-1)		NA	

FAF to MAP 8.9 NM					
Knots	60	90	120	150	180
Min:Sec	8:54	5:56	4:27	3:34	2:58

NC-3, 25 FEB 2021 to 22 APR 2021

SALEM, MISSOURI
Orig-A 05JUN08

37°37′N-91°36′W

SALEM MEMORIAL (K33)
VOR-A

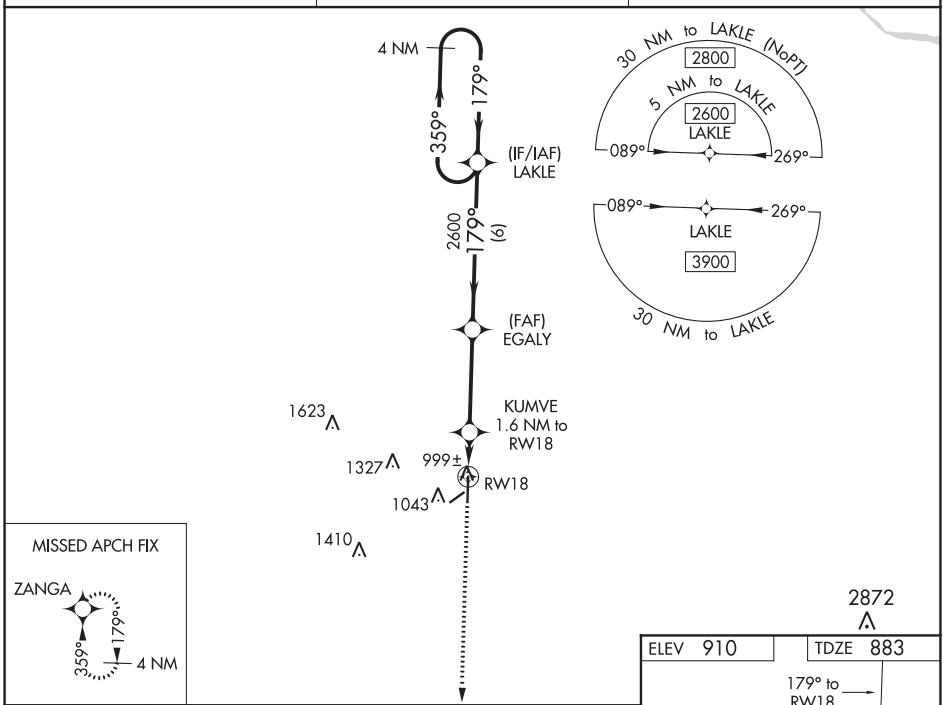
RNAV (GPS) RWY 18
SEDALIA RGNL (DMO)

WAAS CH 61133 W18A	APP CRS 179°	Rwy ldg 5500 TDZE 883 Apt Elev 910

DME/DME RNP-0.3 NA. When local altimeter setting not received, use Whiteman AFB altimeter setting: increase all DA 46 feet and LNAV/VNAV visibility ⅛ mile; increase all MDA 60 feet and Cats C and D visibilities ¼ mile. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (3°F) or above 54°C (130°F). Baro-VNAV and VDP NA when using Whiteman AFB altimeter setting. Night Landing Rwy 5, 23 NA.

MISSED APPROACH: Climb to 2600 direct ZANGA and hold.

ASOS	WHITEMAN APP CON ★	UNICOM
120.525	127.45 284.0	122.8 (CTAF) L



CATEGORY	A	B	C	D
LPV DA	1133-1		250 (300-1)	
LNAV/VNAV DA	1155-1		272 (300-1)	
LNAV MDA	1260-1		377 (400-1)	
C CIRCLING	1360-1 450 (500-1)	1460-1 550 (600-1)	1640-2 730 (800-2)	1640-2¼ 730 (800-2¼)

REIL Rwys 18 and 36 L
MIRL Rwys 18-36 and 5-23 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

SEDALIA, MISSOURI — AL-5584 (FAA) — 19171

RNAV (GPS) RWY 36

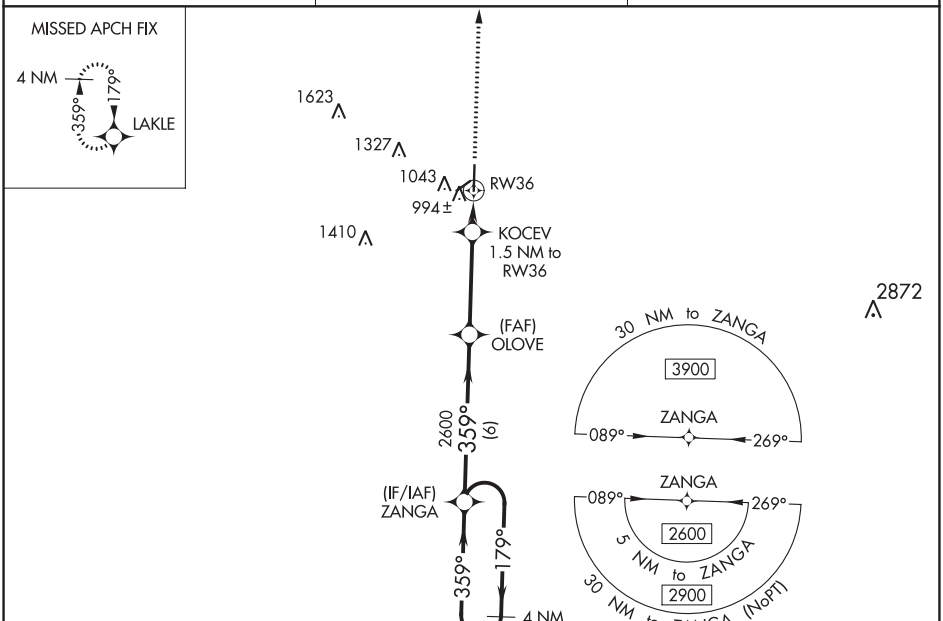
SEDALIA RGNL (DMO)

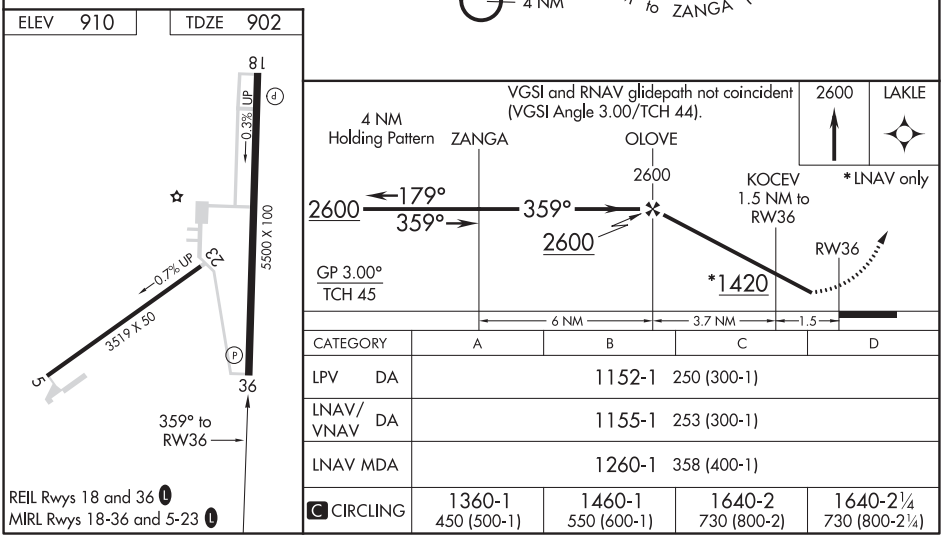
WAAS CH 60913 W36A	APP CRS 359°	Rwy ldg 5500 TDZE 902 Apt Elev 910

DME/DME RNP-0.3 NA. When local altimeter setting not received, use Whiteman AFB altimeter setting: increase all DA 46 feet; increase all MDA 60 feet and LNAV visibility Cats C/D ⅛ mile, Circling Cats C/D ¼ mile. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (3°F) or above 54°C (130°F). Baro-VNAV and VDP NA when using Whiteman AFB altimeter setting. Helicopter visibility reduction below ¾ SM NA. Night Landing Rwy 5, 23 NA.

MISSED APPROACH: Climb to 2600 direct LAKLE and hold.

ASOS	WHITEMAN APP CON ★	UNICOM
120.525	127.45 284.0	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1152-1 250 (300-1)			
LNAV/VNAV DA	1155-1 253 (300-1)			
LNAV MDA	1260-1 358 (400-1)			
C CIRCLING	1360-1 450 (500-1)	1460-1 550 (600-1)	1640-2 730 (800-2)	1640-2¼ 730 (800-2¼)

NC-3, 25 FEB 2021 to 22 APR 2021

SEDALIA, MISSOURI — SEDALIA RGNL (DMO)

Amdt 2A 29MAY14 — 38°42′N-93°11′W

RNAV (GPS) RWY 36

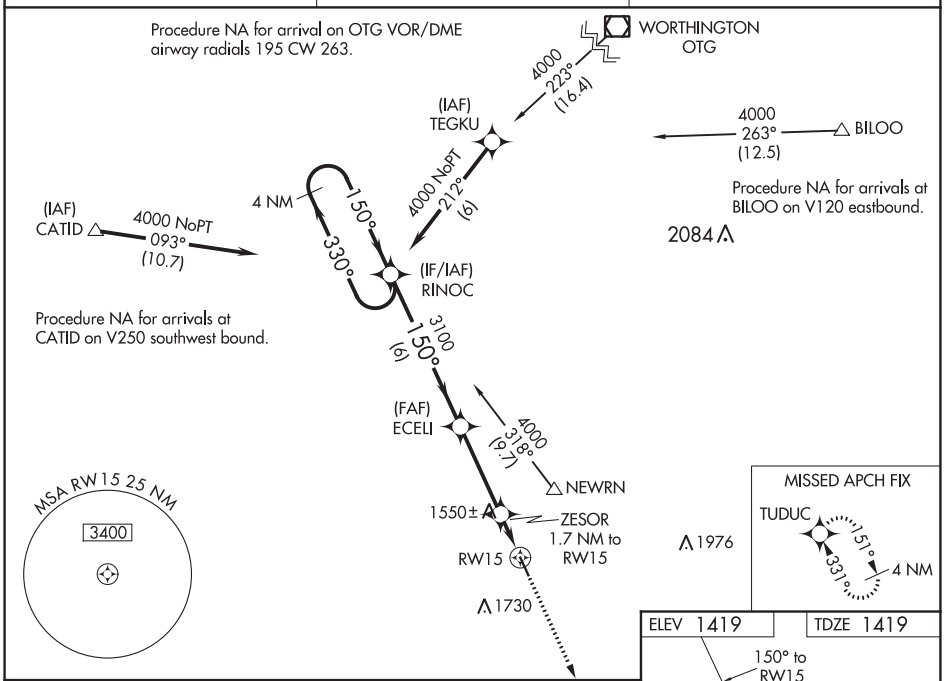
WAAS CH 45828 W15A	APP CRS 150°	Rwy ldg 4199 TDZE 1419 Apt Elev 1419

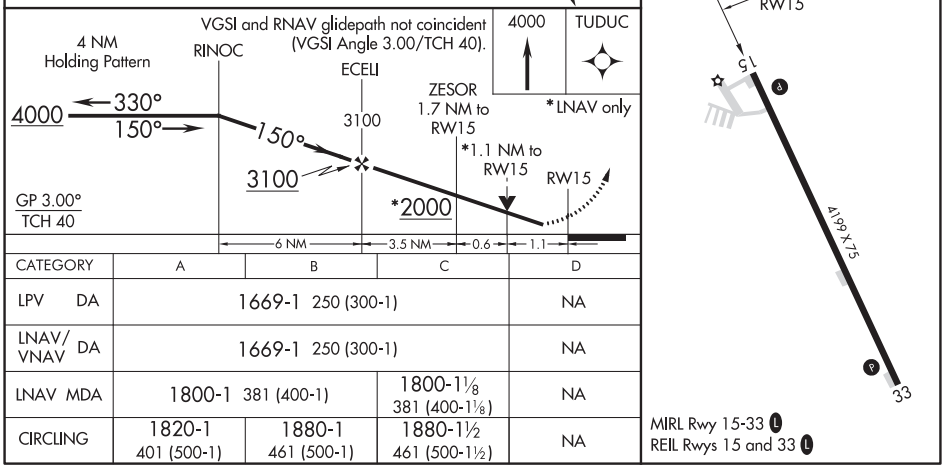
RNAV (GPS) RWY 15
SHELDON RGNL (SHL)

Baro-VNAV NA when using Orange City altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). Rwy 15 helicopter visibility reduction below ¾ SM NA. DME/DME RNP-0.3 NA. When local altimeter setting not received, use Orange City altimeter setting and increase all DA 39 feet and all MDA 40 feet, increase LNAV Cat C visibility ⅛ mile.

MISSED APPROACH: Climb to 4000 direct TUDUC and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
119.775	125.025 235.625	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1669-1 250 (300-1)			NA
LNAV/VNAV DA	1669-1 250 (300-1)			NA
LNAV MDA	1800-1 381 (400-1)		1800-1⅛ 381 (400-1⅛)	NA
CIRCLING	1820-1 401 (500-1)	1880-1 461 (500-1)	1880-1½ 461 (500-1½)	NA

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

SHELDON, IOWA | AL-5712 (FAA) | 21056

RNAV (GPS) RWY 33
SHELDON RGNL (SHL)

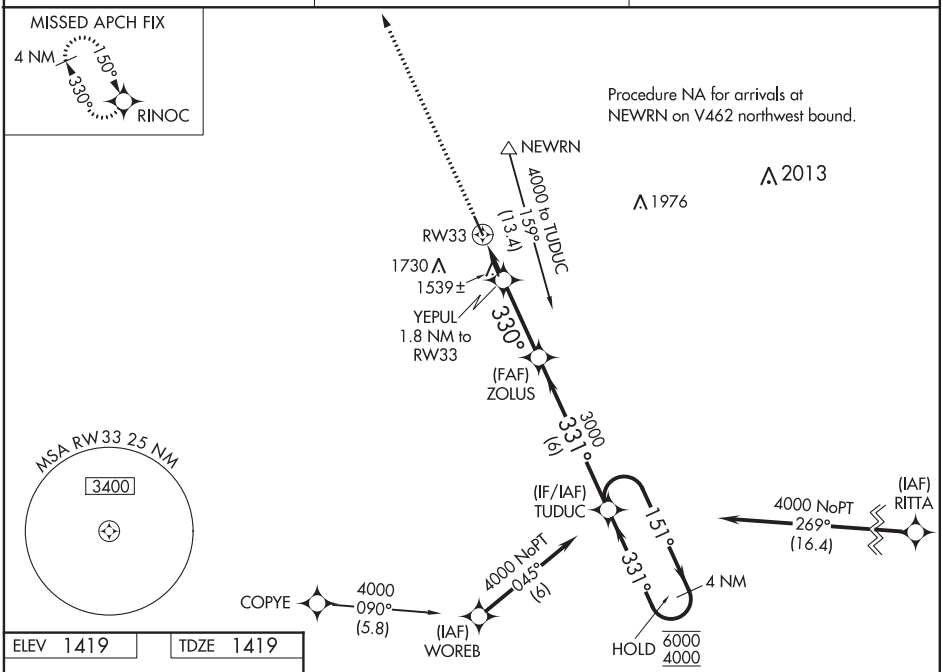
WAAS CH 82128 W33A	APP CRS 330°	Rwy ldg 4199 TDZE 1419 Apt Elev 1419

RNP APCH.

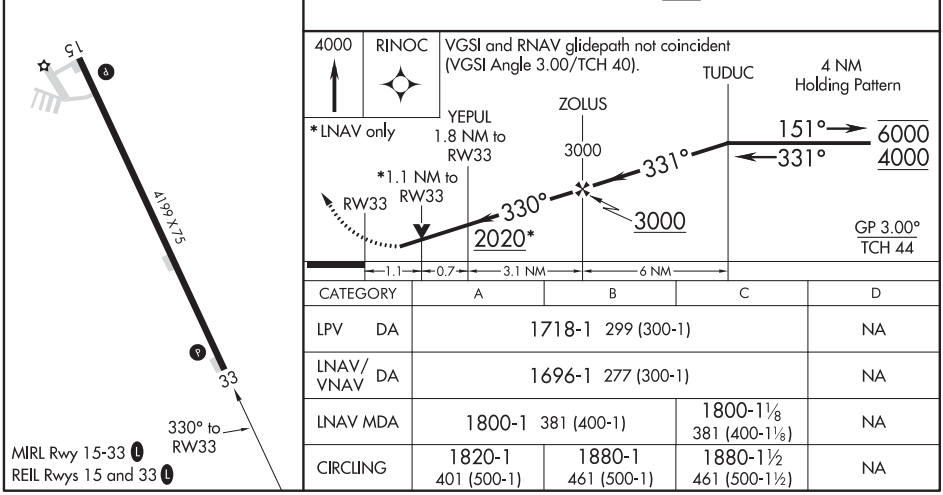
Rwy 33 helicopter visibility reduction below ¾ SM NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 54°C.

MISSED APPROACH: Climb to 4000 direct RINOC and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
119.775	125.025 235.625	122.8 (CTAF) L



ELEV 1419	TDZE 1419



CATEGORY	A	B	C	D
LPV DA	1718-1 299 (300-1)			NA
LNAV/VNAV DA	1696-1 277 (300-1)			NA
LNAV MDA	1800-1 381 (400-1)		1800-1⅛ 381 (400-1⅛)	NA
CIRCLING	1820-1 401 (500-1)	1880-1 461 (500-1)	1880-1½ 461 (500-1½)	NA

MIRL Rwy 15-33 L
REIL Rwys 15 and 33 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 63101 W04A	APP CRS 038°	Rwy ldg 5000 TDZE 967 Apt Elev 971

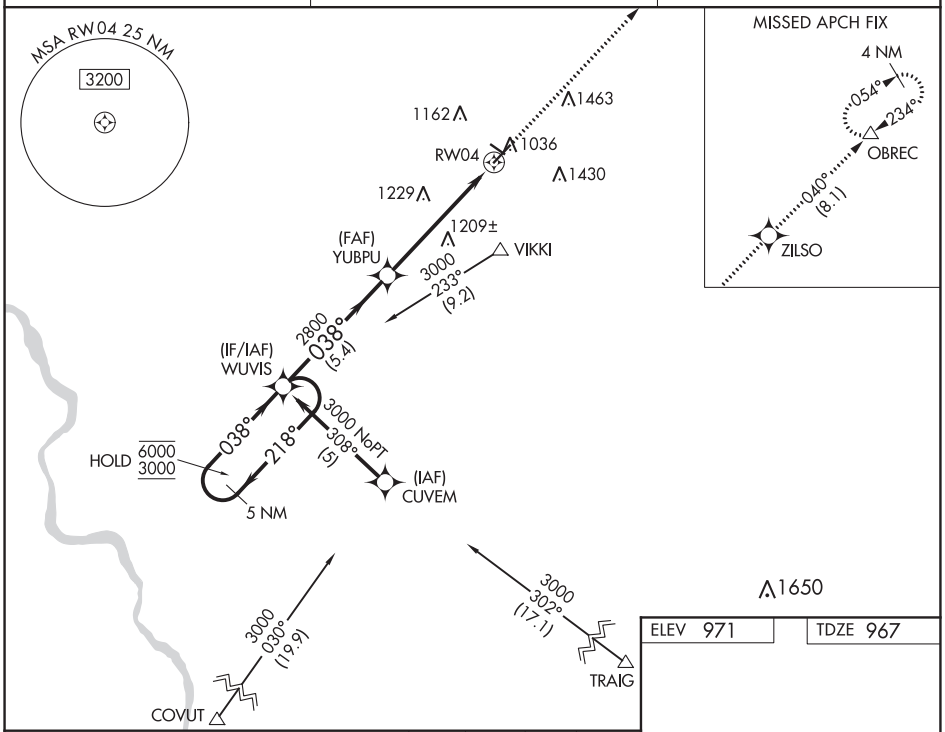
RNAV (GPS) RWY 4
SHENANDOAH MUNI (SDA)

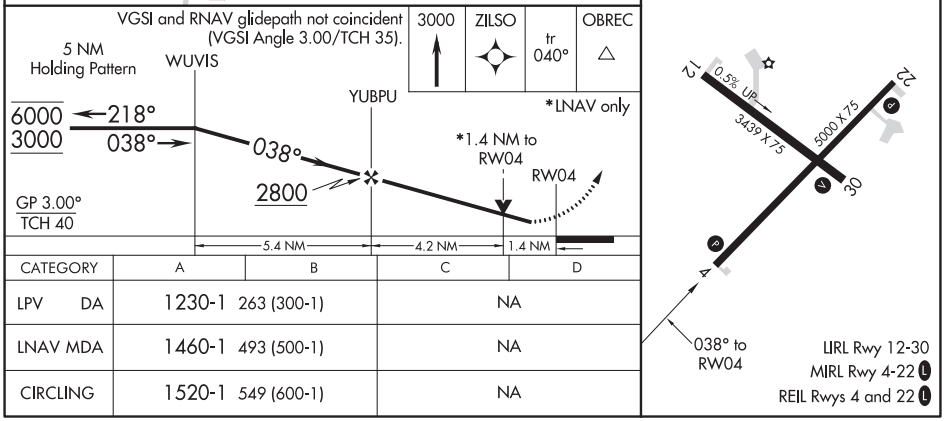
RNP APCH.

Circling Rwy 30 NA at night. VDP NA when using Clarinda altimeter setting. Rwy 4 helicopter visibility reduction below ¾ SM NA. When local altimeter setting not received, use Clarinda altimeter setting: increase DA to 1275 feet; increase all MDAs 60 feet.

MISSED APPROACH: Climb to 3000 direct ZILSO and on track 040° to OBREC and hold.

AWOS-3	OMAHA APP CON	UNICOM
125.525	124.5 263.0	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1230-1 263 (300-1)		NA	
LNAV MDA	1460-1 493 (500-1)		NA	
CIRCLING	1520-1 549 (600-1)		NA	

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

SHENANDOAH, IOWA | AL-5325 (FAA) | 20282

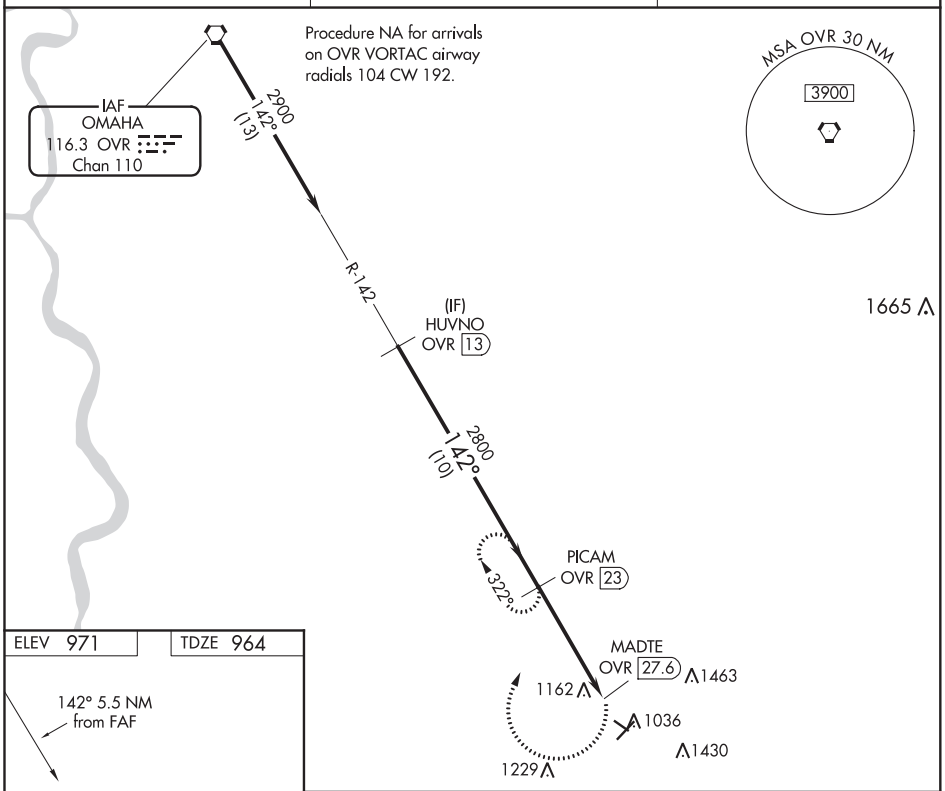
VOR/DME RWY 12
SHENANDOAH MUNI (SDA)

VORTAC OVR	APP CRS	Rwy ldg	3439
116.3	142°	TDZE	964
Chan 110		Apt Elev	971

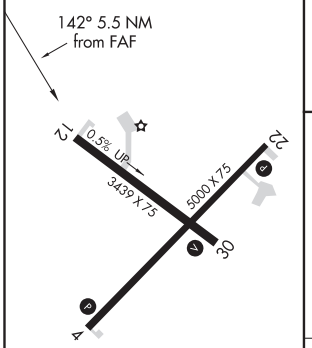
Rwy 12 helicopter visibility reduction below ¾ SM NA. When local altimeter setting not received, use Clarinda altimeter setting and increase all MDA 60 feet. Circling Rwy 30 NA at night.

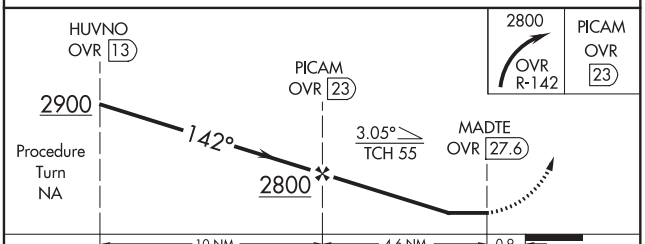
MISSED APPROACH: Climbing right turn to 2800 on OVR VORTAC R-142 to PICAM/OVR 23 DME and hold.

AWOS-3	OMAHA APP CON	UNICOM
125.525	124.5 263.0	122.8 (CTAF) L



ELEV 971 | TDZE 964





CATEGORY	A	B	C	D
S-12	1620-1⅛ 656 (700-1⅛)		NA	
C CIRCLING	1620-1⅛ 649 (700-1⅛)	1620-1¼ 649 (700-1¼)	NA	

LIRL Rwy 12-30
MIRL Rwy 4-22 L
REIL Rwys 4 and 22 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

APP CRS	Rwy ldg	N/A
358°	TDZE	N/A
	Apt Elev	1538

RNAV (GPS)-A
SIBLEY MUNI (ISB)

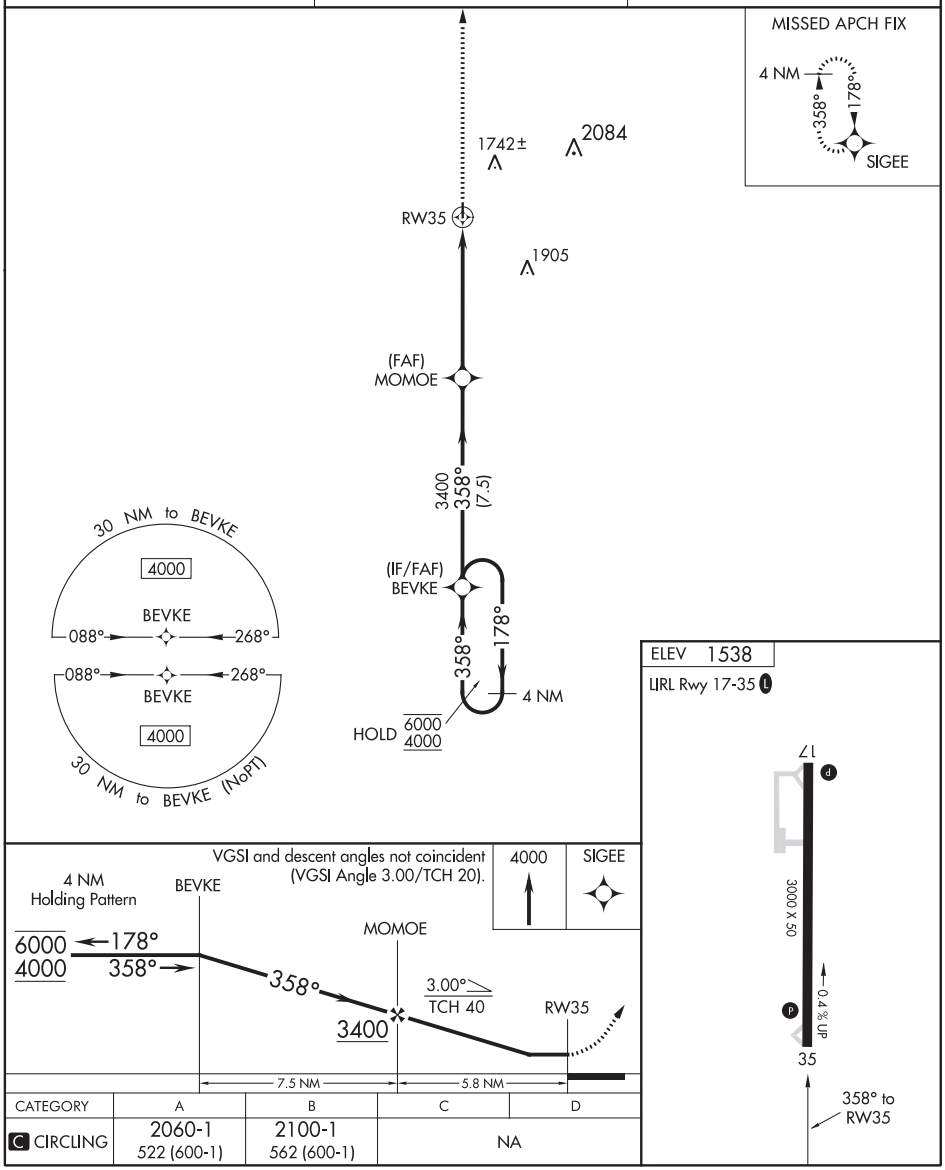
RNP APCH.

T NA

Procedure NA at night.
Use Worthington altimeter setting.

MISSED APPROACH: Climb to 4000 direct SIGEE and hold.

OTG AWOS-3PT	MINNEAPOLIS CENTER	UNICOM
121.075	132.05 317.4	122.8 (CTAF) L



CATEGORY	A	B	C	D
C CIRCLING	2060-1 522 (600-1)	2100-1 562 (600-1)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021

SIKESTON, MISSOURI | AL-5628 (FAA) | 18312

WAAS CH 86801 W03A	APP CRS 026°	Rwy ldg 5502 TDZE 315 Apt Elev 315

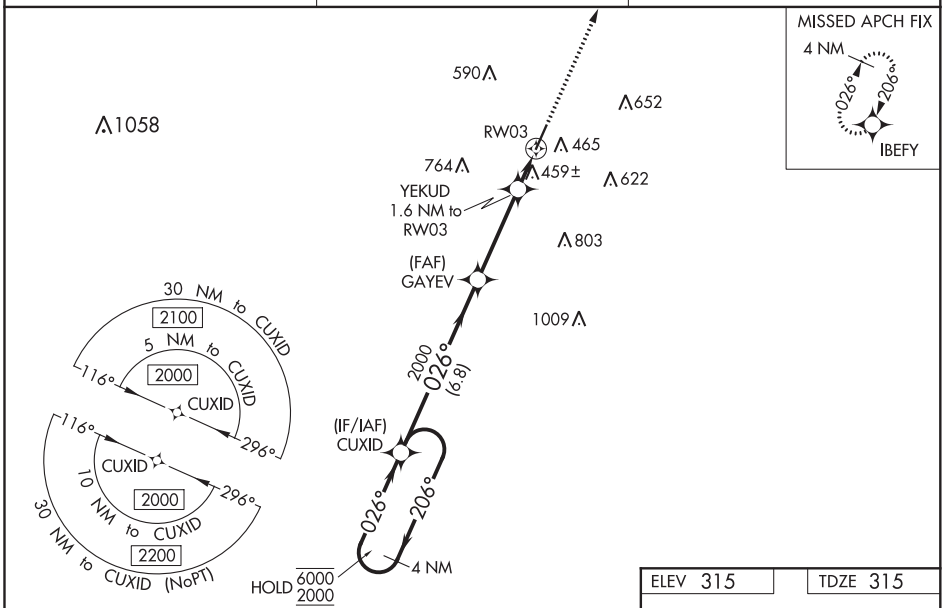
RNAV (GPS) RWY 3
SIKESTON MEMORIAL MUNI (SIK)

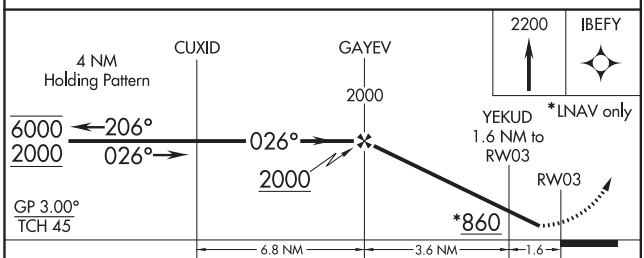
RNP APCH.

T A NA Rwy 3 helicopter visibility reduction below ¾ SM NA. Baro-VNAV NA when using Cape Girardeau altimeter setting. For uncompensated Baro-VNAV systems, procedure NA below -15°C or above 54°C. When local altimeter setting not received, use Cape Girardeau altimeter setting and increase all DA 49 feet and all MDA 60 feet. Increase LNAV and Circling Cat C/D visibility ¼ SM.

MISSED APPROACH: Climb to 2200 direct IBEFY and hold.

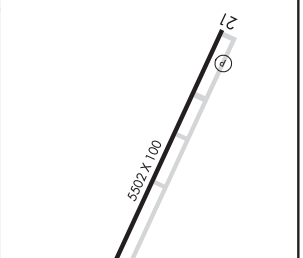
AWOS-3	MEMPHIS CENTER	UNICOM
119.175	133.65 292.15	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	629-1 314 (400-1)			
LNAV/VNAV DA	769-1⅜ 454 (500-1⅜)			
LNAV MDA	720-1 405 (500-1)		720-1⅛ 405 (500-1⅛)	
C CIRCLING	840-1 525 (600-1)	860-1 545 (600-1)	1080-2¼ 765 (800-2¼)	1160-2¾ 845 (900-2¾)

ELEV 315 | TDZE 315



SIKESTON, MISSOURI
Amdt 2 08NOV18

36°54'N-89°34'W

SIKESTON MEMORIAL MUNI (SIK)
RNAV (GPS) RWY 3

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 62823 W21A	APP CRS 206°	Rwy ldg 5502 TDZE 315 Apt Elev 315

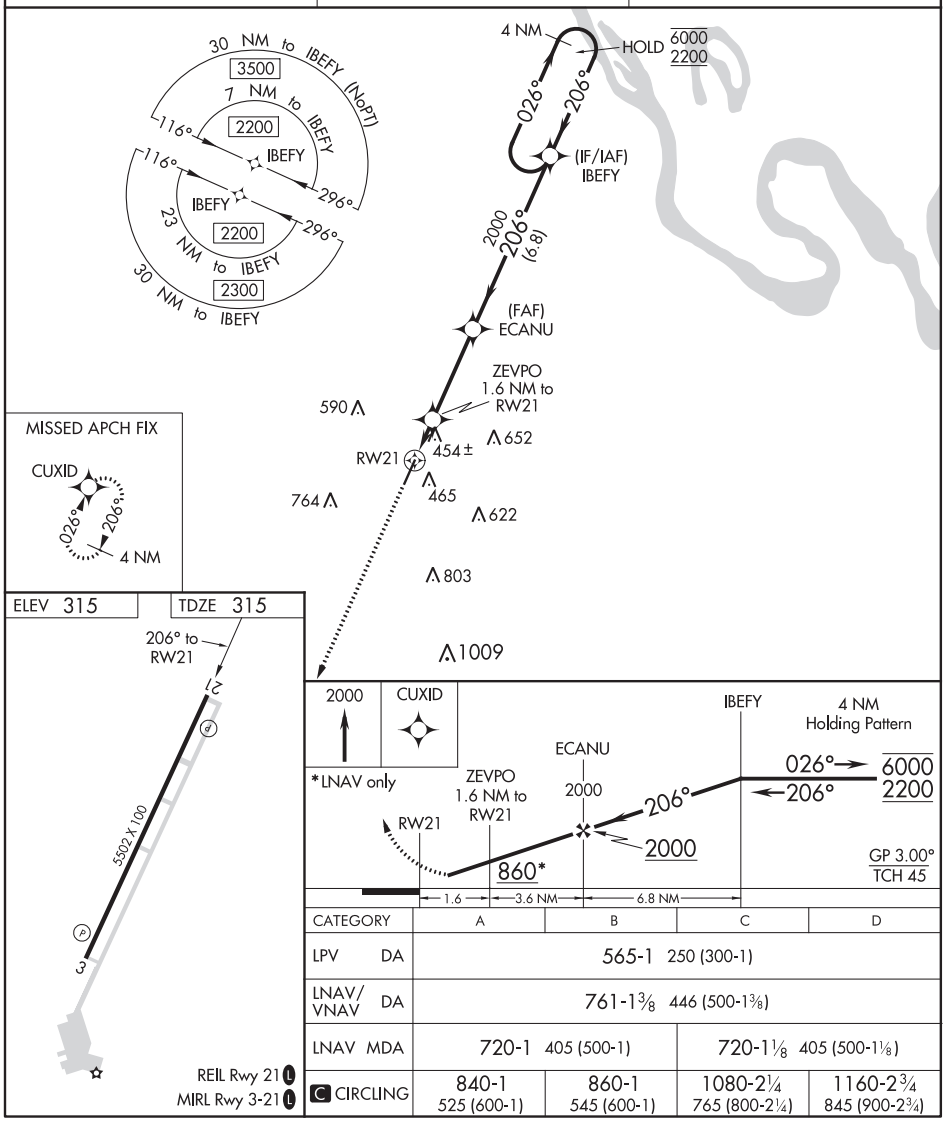
RNAV (GPS) RWY 21
SIKESTON MEMORIAL MUNI (SIK)

RNP APCH.

NA — Rwy 21 helicopter visibility reduction below ¾ SM NA. Baro-VNAV NA when using Cape Girardeau altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C or above 54°C. When local altimeter setting not received, use Cape Girardeau altimeter setting and increase all DA 49 feet and all MDA 60 feet. Increase LNAV and Circling Cat C/D visibility ¼ SM.

MISSED APPROACH: Climb to 2000 direct CUXID and hold.

AWOS-3	MEMPHIS CENTER	UNICOM
119.175	133.65 292.15	122.8 (CTAF) L



CATEGORY		A	B	C	D
LPV	DA	565-1 250 (300-1)			
LNAV/VNAV	DA	761-1⅜ 446 (500-1⅜)			
LNAV	MDA	720-1 405 (500-1)		720-1⅛ 405 (500-1⅛)	
C CIRCLING		840-1 525 (600-1)	860-1 545 (600-1)	1080-2¼ 765 (800-2¼)	1160-2¾ 845 (900-2¾)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

SIOUX CITY, IOWA AL-395 (FAA) 21056

LOC I-OIQ	APP CRS	Rwy ldg	9002
111.3	133°	TDZE	1095
		Apt Elev	1098

ILS or LOC RWY 13

SIOUX GATEWAY/BRIGADIER GENERAL BUD DAY FIELD (SUX)

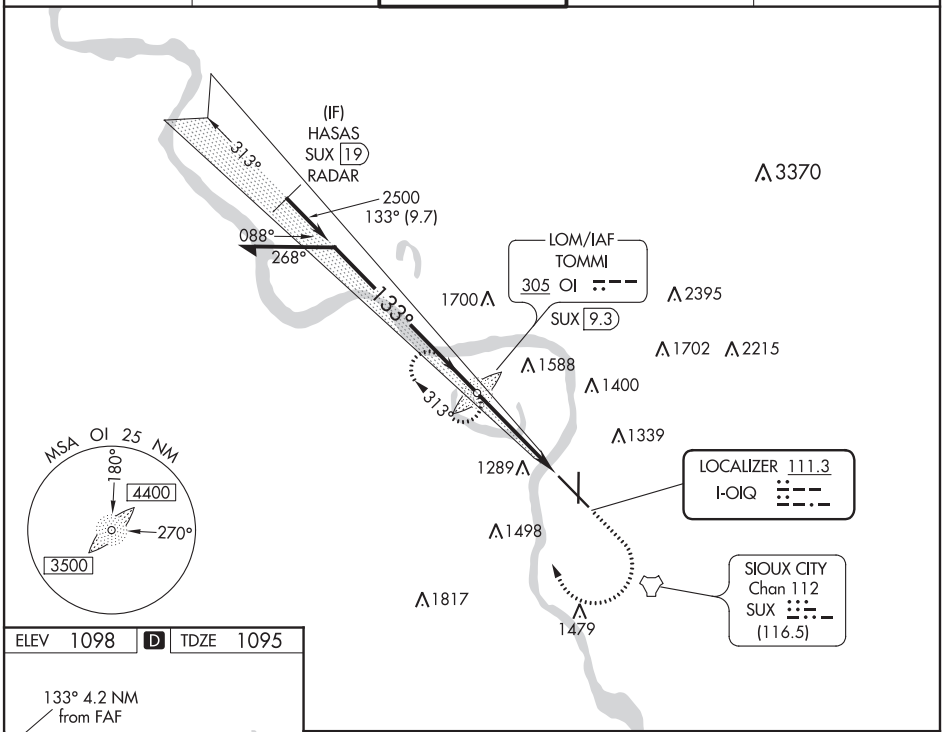
ADF required. ADF or RADAR required for procedure entry.

T A For inop ALS, increase S-LOC 13 Cat E visibility to 1⅜ SM. Inop table does not apply to S-ILS 13.

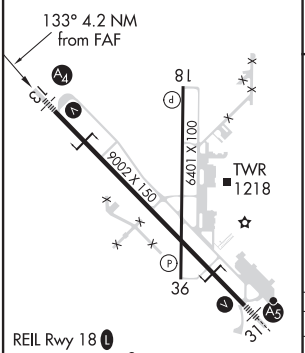
MALS A4

MISSED APPROACH: Climb to 2000 then climbing right turn to 3100 direct TOMMI LOM/SUX 9.3 DME and hold, continue climb-in-hold to 3100

ATIS	SIOUX CITY APP CON ★	SIOUX CITY TOWER ★	GND CON	UNICOM
119.45 270.8	124.6 307.0	118.7 (CTAF) L 254.3	121.9 348.6	122.95



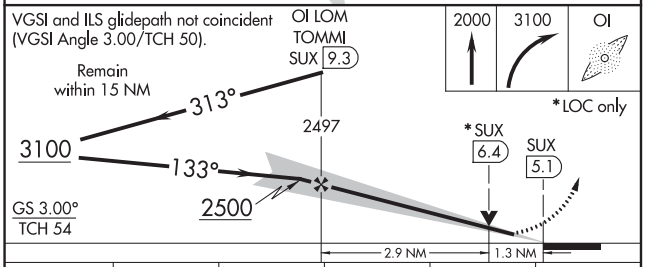
ELEV 1098 D TDZE 1095



REIL Rwy 18 L
HIRL Rwy 13-31 L
MIRL Rwy 18-36 L

FAF to MAP 4.2 NM

Knots	60	90	120	150	180
Min:Sec	4:12	2:48	2:06	1:41	1:24



CATEGORY	A	B	C	D	E
S-ILS 13	1295/40 200 (200-¾)				
S-LOC 13	1560/40 465 (500-¾)		1560/60 465 (500-1¼)		
C CIRCLING	1640-1 542 (600-1)	1700-1 602 (700-1)	1700-1¾ 602 (700-1¾)	1800-2¼ 702 (800-2¼)	1940-3 842 (900-3)

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

SIOUX CITY, IOWA
Amdt 3 25FEB21

SIOUX GATEWAY/BRIGADIER GENERAL BUD DAY FIELD (SUX)
42°24'N-96°23'W

ILS or LOC RWY 13

LOC I-SUX 109.3	APP CRS 313°	Rwy ldg 9002 TDZE 1096 Apt Elev 1098

ILS or LOC RWY 31
SIOUX GATEWAY/BRIGADIER GENERAL BUD DAY FIELD (SUX)

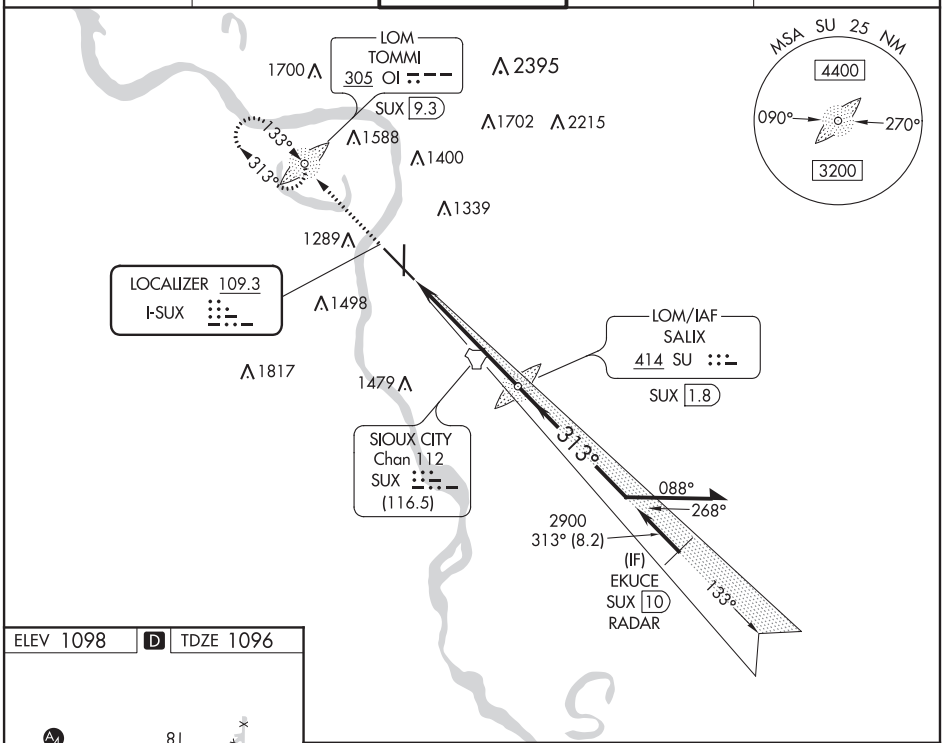
ADF required. ADF or RADAR required for procedure entry.

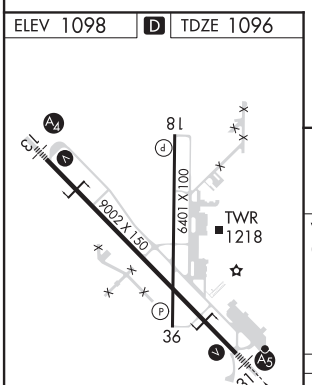
Autopilot coupled approach NA below 2025 MSL. For inop ALS, increase S-ILS 31 Cat E visibility to RVR 4000 and S-LOC 31 Cat C/D/E to 1⅜ SM. *RVR 1800 authorized with use of FD or AP or HUD to DA.

MALSR

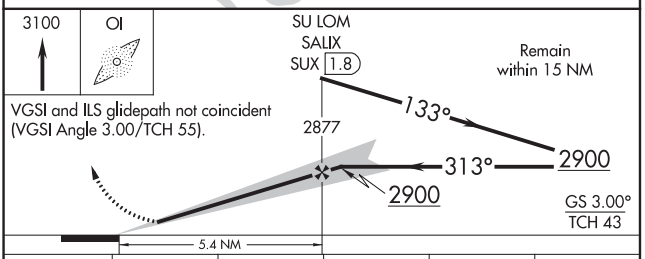
MISSED APPROACH: Climb to 3100 direct TOMMI LOM/SUX 9.3 DME and hold, continue climb-in-hold to 3100.

ATIS	SIOUX CITY APP CON *	SIOUX CITY TOWER *	GND CON	UNICOM
119.45 270.8	124.6 307.0	118.7 (CTAF) L 254.3	121.9 348.6	122.95





FAF to MAP 5.4 NM					
Knots	60	90	120	150	180
Min:Sec	5:24	3:36	2:42	2:10	1:48



CATEGORY	A	B	C	D	E
S-ILS 31*	1296/24 200 (200-½)				
S-LOC 31	1560/24 464 (500-½)		1560/50 464 (500-1)		
C CIRCLING	1640-1 542 (600-1)	1700-1 602 (700-1)	1700-1¾ 602 (700-1¾)	1800-2¼ 702 (800-2¼)	1940-3 842 (900-3)

NC-3, 25 FEB 2021 to 22 APR 2021

SIOUX CITY, IOWA — AL-395 (FAA) — 21056

WAAS CH 57911 W13A	APP CRS 133°	Rwy ldg 9002 TDZE 1095 Apt Elev 1098

RNAV (GPS) RWY 13
SIOUX GATEWAY/BRIGADIER GENERAL BUD DAY FIELD (SUX)

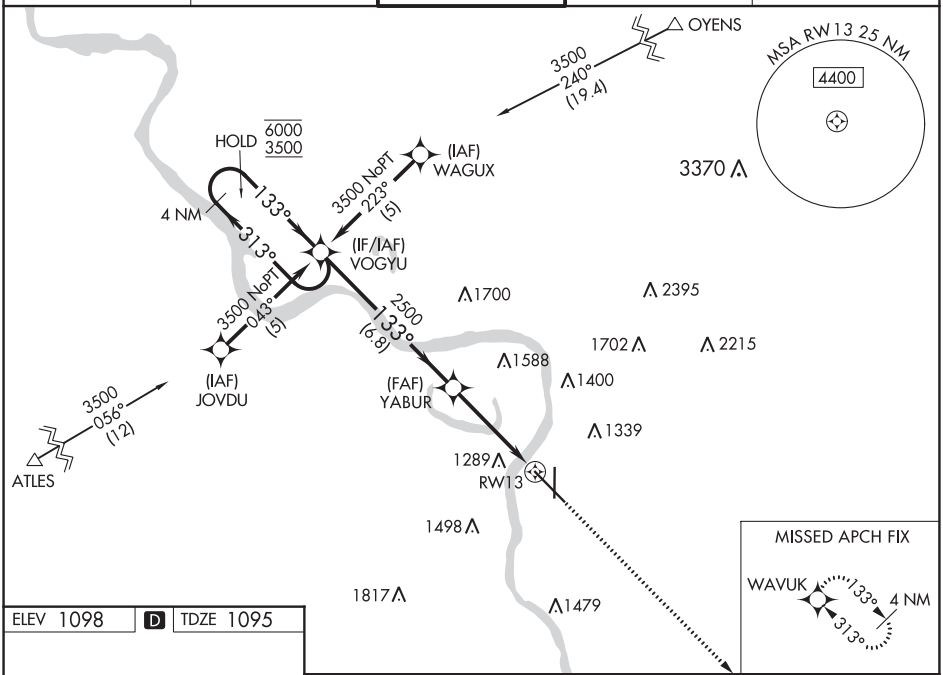
RNP APCH.

Inop table does not apply to LPV all Cats. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -20°C or above 54°C. For inop ALS, increase LNAV/VNAV Cat E visibility to 1⅝ SM and LNAV Cat E visibility to 1½ SM.

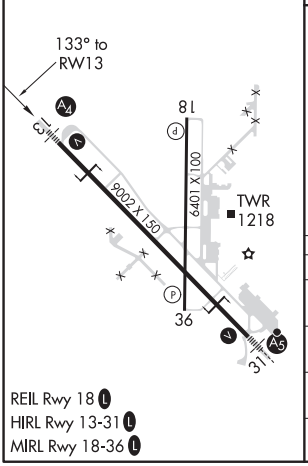
MALS

MISSED APPROACH: Climb to 3900 direct WAVUK and hold.

ATIS	SIOUX CITY APP CON ★	SIOUX CITY TOWER ★	GND CON	UNICOM
119.45 270.8	124.6 307.0	118.7 (CTAF) L 254.3	121.9 348.6	122.95

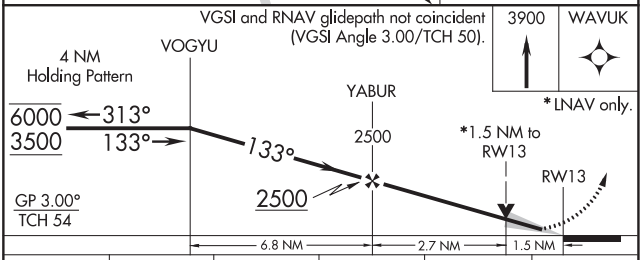


ELEV 1098 | D | TDZE 1095



REIL Rwy 18 L
HIRL Rwy 13-31 L
MIRL Rwy 18-36 L

VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 50).



CATEGORY	A	B	C	D	E
LPV DA	1295/40 200 (200-¾)				
LNAV/VNAV DA	1582-1⅜ 487 (500-1⅜)				
LNAV MDA	1620/40 525 (600-¾)		1620-1¼ 525 (600-1¼)		
C CIRCLING	1640-1 542 (600-1)	1700-1 602 (700-1)	1700-1¾ 602 (700-1¾)	1840-2½ 742 (800-2½)	2000-3 902 (1000-3)

SIOUX CITY, IOWA
Orig-F 21MAY20

SIOUX GATEWAY/BRIGADIER GENERAL BUD DAY FIELD (SUX)
42°24'N-96°23'W
RNAV (GPS) RWY 13

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 77838 W18A	APP CRS 178°	Rwy ldg 6400 TDZE 1098 Apt Elev 1098

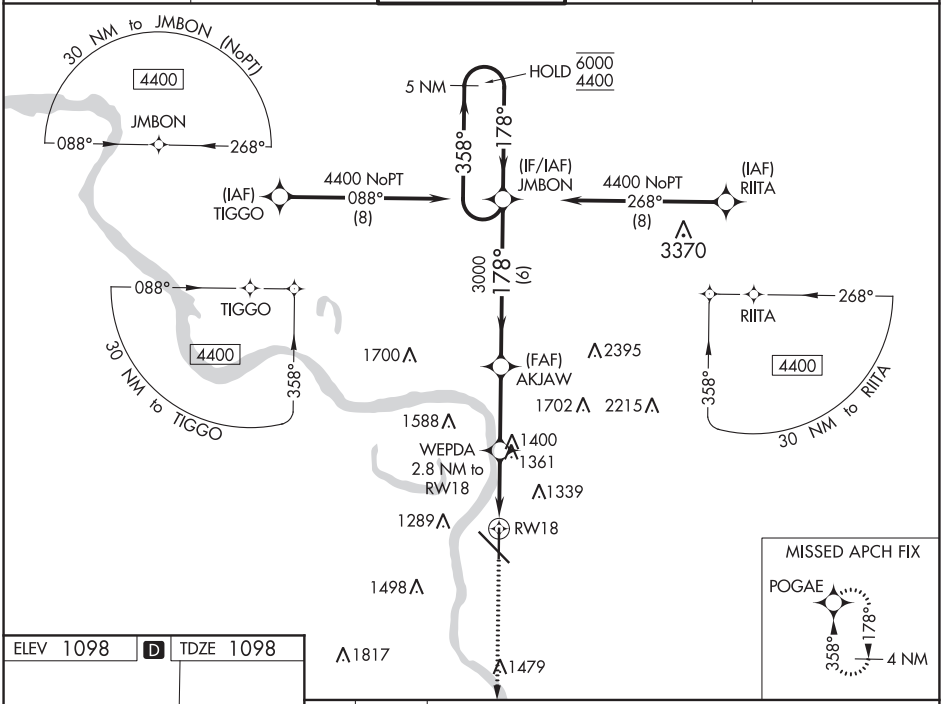
RNAV (GPS) RWY 18
SIOUX GATEWAY/BRIGADIER GENERAL BUD DAY FIELD (SUX)

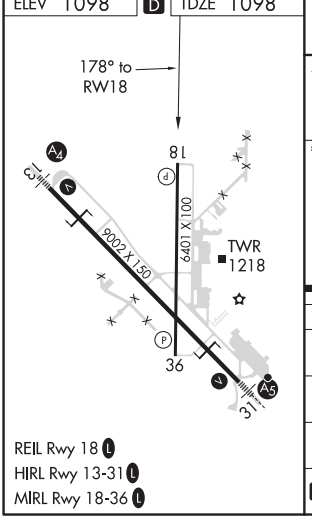
RNP APCH.

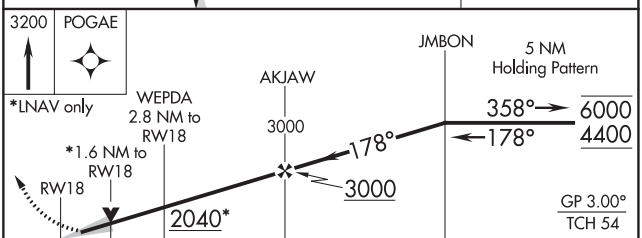
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -20°C or above 54°C.

MISSED APPROACH: Climb to 3200 direct POGAE and hold.

ATIS	SIOUX CITY APP CON ★	SIOUX CITY TOWER ★	GND CON	UNICOM
119.45 270.8	124.6 307.0	118.7 (CTAF) L 254.3	121.9 348.6	122.95







CATEGORY	A	B	C	D
LPV DA	1352-¾ 254 (300-¾)			
LNAV/VNAV DA	1430-1 332 (400-1)			
LNAV MDA	1680-1 582 (600-1)		1680-1¾ 582 (600-1¾)	
C CIRCLING	1680-1 582 (600-1)	1700-1 602 (700-1)	1700-1¾ 602 (700-1¾)	1860-2½ 762 (800-2½)

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

SIOUX CITY, IOWA — AL-395 (FAA) — 21056

WAAS CH 90211 W31A	APP CRS 313°	Rwy ldg 9002 TDZE 1096 Apt Elev 1098

RNAV (GPS) RWY 31
SIOUX GATEWAY/BRIGADIER GENERAL BUD DAY FIELD (SUX)

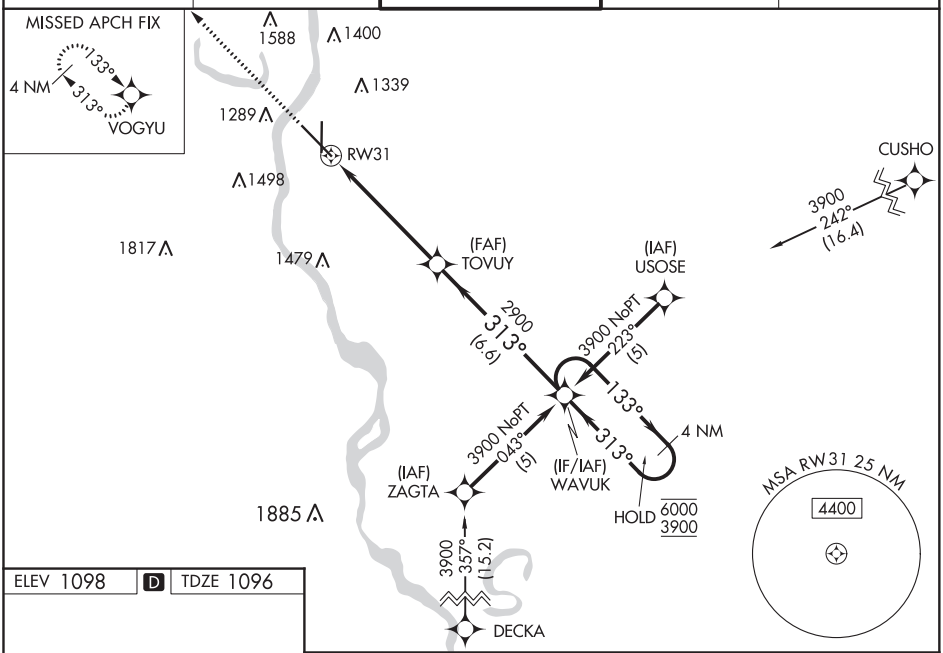
RNP APCH.

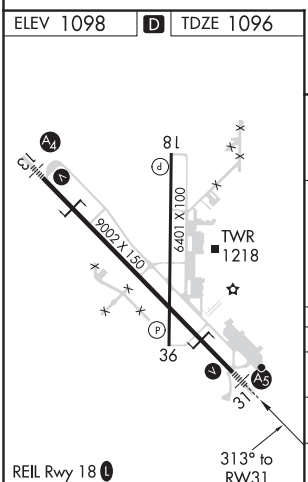
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -21°C or above 54°C. For inop ALS increase LPV Cat E visibility to RVR 4000; increase LNAV/VNAV all Cats visibility to 1⅜ SM and LNAV Cats C/D/E visibility to 1⅜ SM.
** RVR 1800 authorized with use of FD or AP or HUD to DA.

MALSR

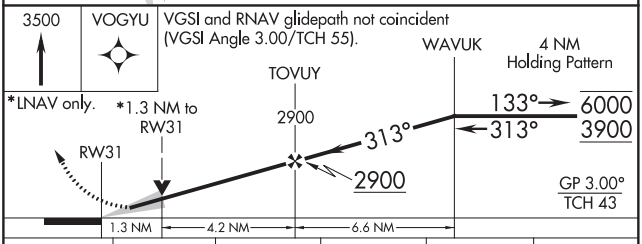
MISSED APPROACH: Climb to 3500 direct VOGYU and hold.

ATIS	SIOUX CITY APP CON ★	SIOUX CITY TOWER ★	GND CON	UNICOM
119.45 270.8	124.6 307.0	118.7 (CTAF) L 254.3	121.9 348.6	122.95





REIL Rwy 18 L
HIRL Rwy 13-31 L
MIRL Rwy 18-36 L



CATEGORY	A	B	C	D	E
LPV DA**	1296/24 200 (200-½)				
LNAV/VNAV DA	1596-1¼ 500 (500-1¼)				
LNAV MDA	1560/24 464 (500-½)		1560/50 464 (500-1)		
C CIRCLING	1640-1 542 (600-1)	1700-1 602 (700-1)	1700-1¾ 602 (700-1¾)	1840-2½ 742 (800-2½)	2000-3 902 (1000-3)

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 61238 W36A	APP CRS 358°	Rwy ldg 6400 TDZE 1097 Apt Elev 1098

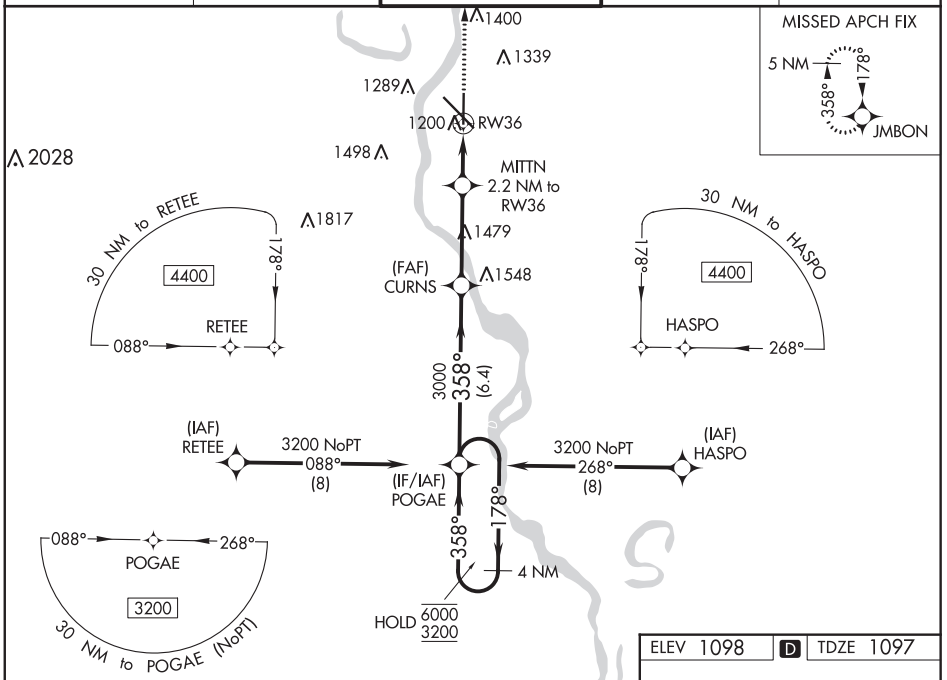
RNAV (GPS) RWY 36
SIOUX GATEWAY/BRIGADIER GENERAL BUD DAY FIELD (SUX)

RNP APCH.

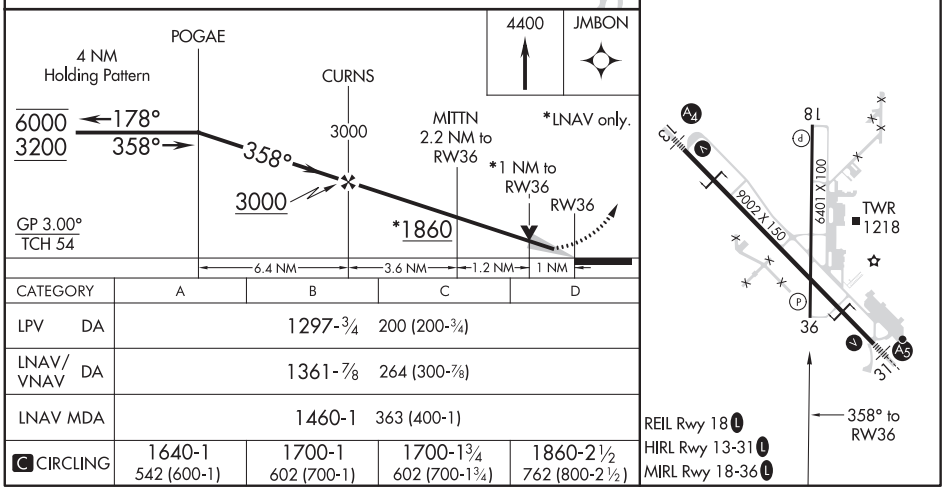
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -20°C or above 54°C.

MISSED APPROACH: Climb to 4400 direct JMBON and hold, continue climb-in-hold to 4400.

ATIS	SIOUX CITY APP CON ★	SIOUX CITY TOWER ★	GND CON	UNICOM
119.45 270.8	124.6 307.0	118.7 (CTAF) L 254.3	121.9 348.6	122.95



ELEV 1098 D TDZE 1097



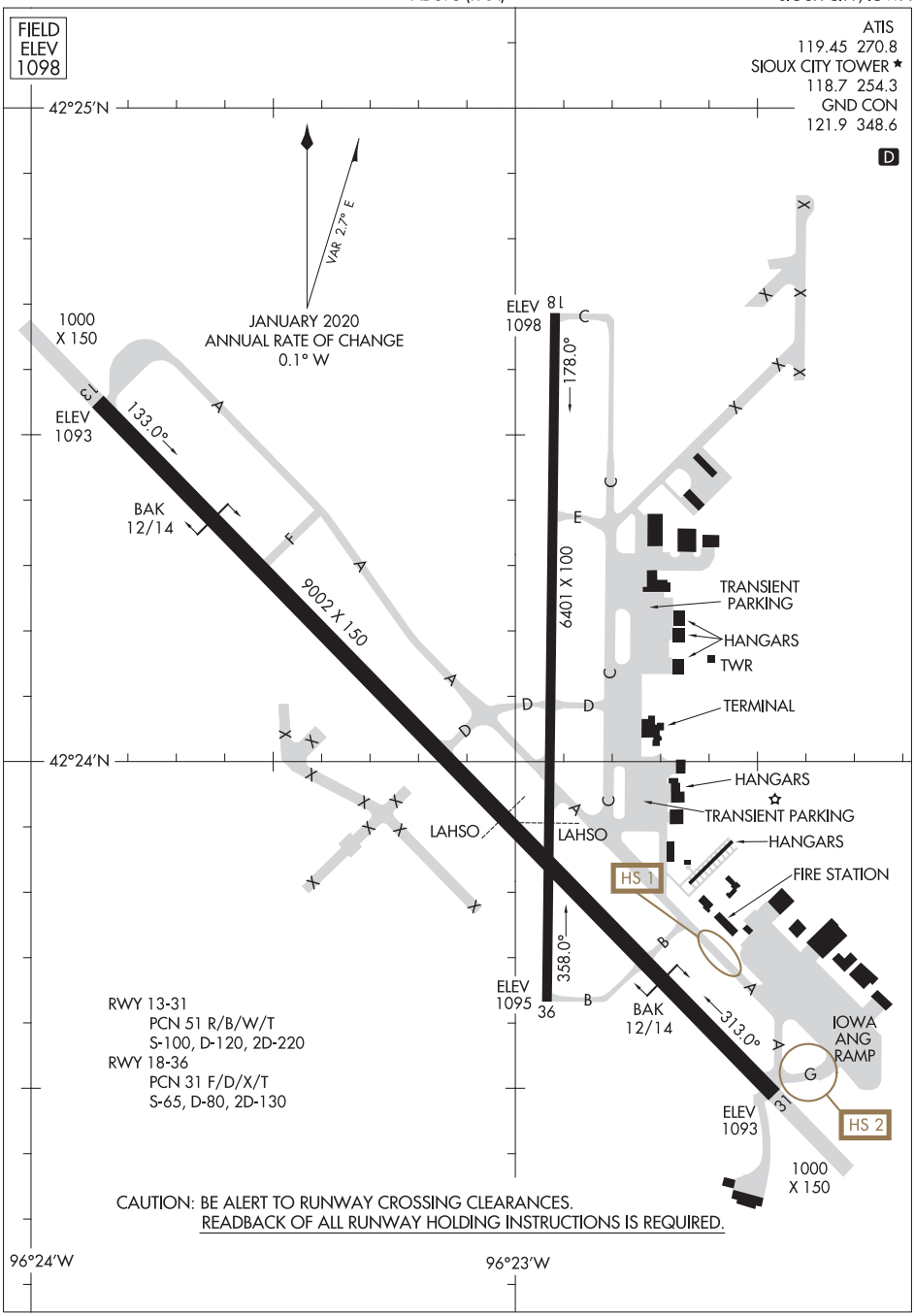
CATEGORY	A	B	C	D
LPV DA	1297-¾ 200 (200-¾)			
LNAV/VNAV DA	1361-⅞ 264 (300-⅞)			
LNAV MDA	1460-1 363 (400-1)			
C CIRCLING	1640-1 542 (600-1)	1700-1 602 (700-1)	1700-1¾ 602 (700-1¾)	1860-2½ 762 (800-2½)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

21056

AIRPORT DIAGRAM

SIOUX GATEWAY/BRIG GEN BUD DAY FLD (SUX)
AL-395 (FAA)
SIOUX CITY, IOWA



NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

AIRPORT DIAGRAM
21056
SIOUX CITY, IOWA
SIOUX GATEWAY/BRIG GEN BUD DAY FLD (SUX)

LOC I-SPW	APP CRS	Rwy ldg	6001
110.9	121°	TDZE	1339
		Apt Elev	1339

ILS or LOC RWY 12
SPENCER MUNI (SPW)

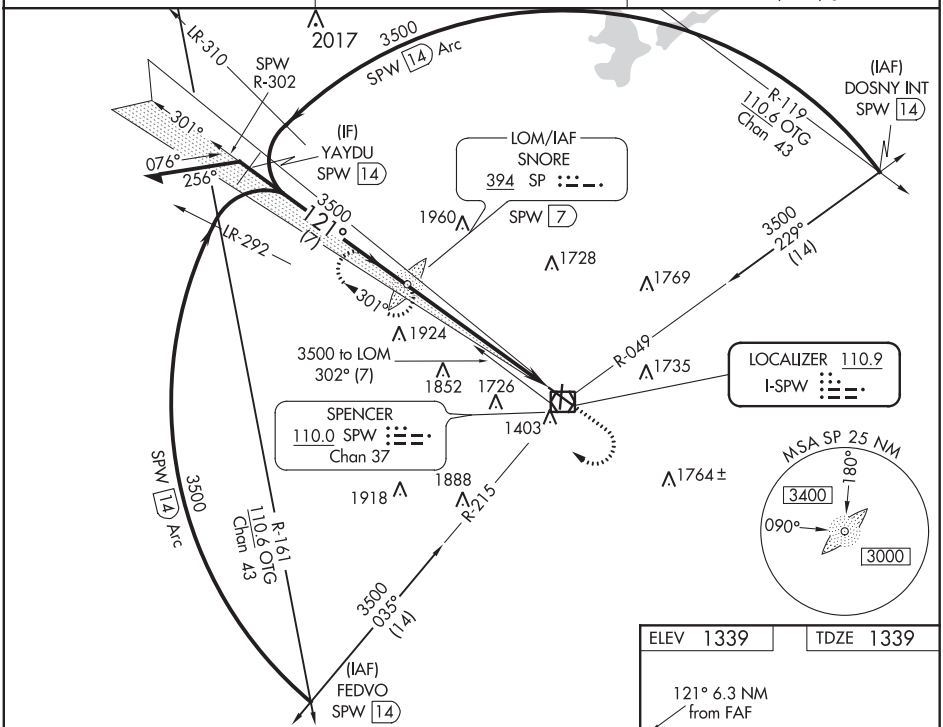
NA
-32°C

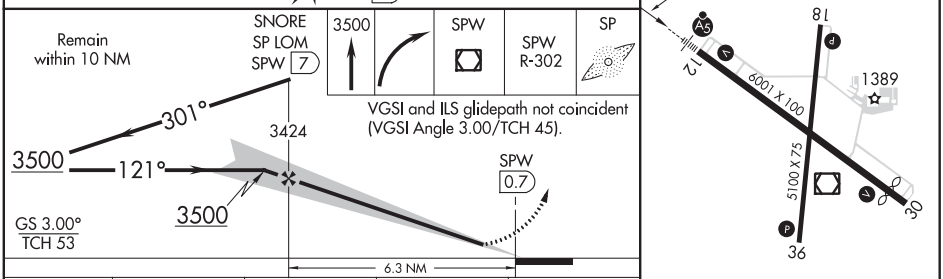
For Inop ALS, increase S-LOC 12 Cats C/D visibility to 1⅜ SM. When local altimeter setting not received, use Estherville altimeter setting: increase DA and all MDAs 60 feet, increase visibility S-LOC 12 Cats C and D and Circling Cats C and D ¼ SM. For inop ALS, when using Estherville altimeter setting, increase S-ILS 12 all Cats visibility to 1 SM and S- LOC 12 Cats C/D visibility to 1⅝ SM. ADF or DME required.

MALSR

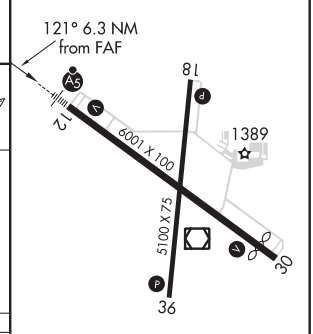
MISSED APPROACH: Climb to 3500 then right turn direct SPW VOR/DME, then via SPW VOR/DME R-302 to SNORE LOM/SPW VOR/DME 7 DME and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
126.625	127.75 257.7	123.0 (CTAF) L





ELEV 1339	TDZE 1339



REIL Rwys 18, 30 and 36 L
MIRL Rwys 12-30 and 18-36 L

CATEGORY	A	B	C	D
S-ILS 12	1539-½ 200 (200-½)			
S-LOC 12	1840-½ 501 (600-½)		1840-1 501 (600-1)	
C CIRCLING	1840-1 501 (600-1)		2100-2¼ 761 (800-2¼)	2100-2½ 761 (800-2½)

FAF to MAP 6.3 NM					
Knots	60	90	120	150	180
Min:Sec	6:18	4:12	3:09	2:31	2:06

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

SPENCER, IOWA | AL-5309 (FAA) | 21056

RNAV (GPS) RWY 12
SPENCER MUNI (SPW)

WAAS CH 56517 W12A	APP CRS 121°	Rwy ldg 6001 TDZE 1339 Apt Elev 1339

RNP APCH.

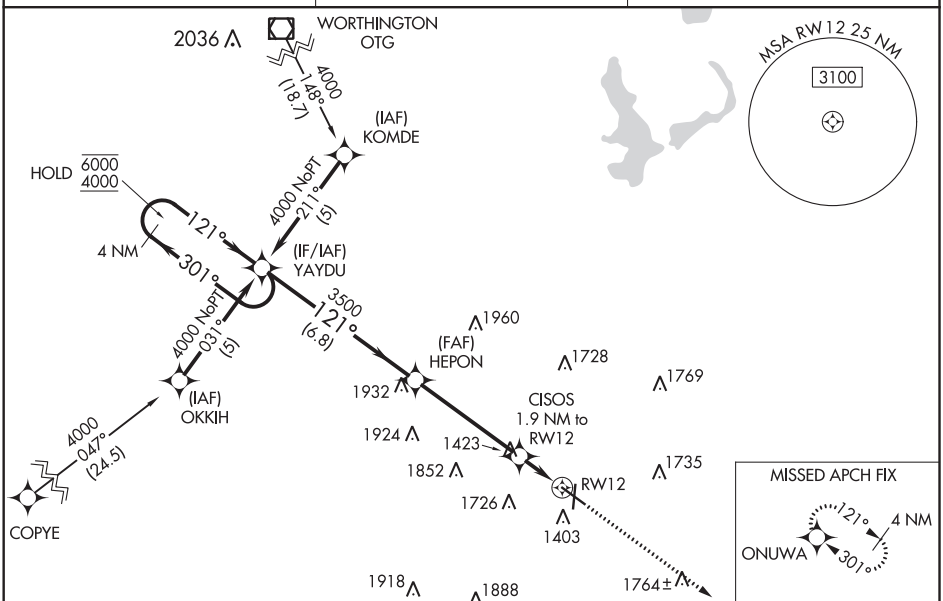
-32°C

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 54°C. For inop ALS, increase LNAV/VNAV all Cats visibility to 1⅛ SM and LNAV Cat C/D to 1⅛ SM.

MALSR

MISSED APPROACH: Climb to 4000 direct ONUWA and hold.

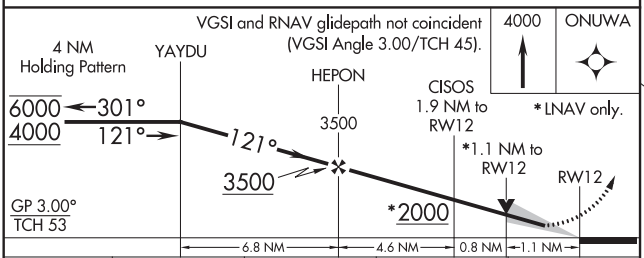
ASOS	MINNEAPOLIS CENTER	UNICOM
126.625	127.75 257.7	123.0 (CTAF) L



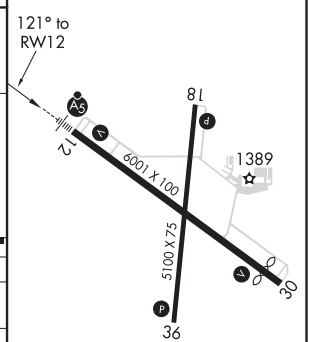
ELEV 1339 | TDZE 1339

VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 45).

4000 | ONUWA



*LNAV only.



CATEGORY	A	B	C	D
LPV DA	1539-½ 200 (200-½)			
LNAV/VNAV DA	1734-¾ 395 (400-¾)			
LNAV MDA	1740-½ 401 (500-½)		1740-¾ 401 (500-¾)	1740-1 401 (500-1)
C CIRCLING	1740-1 401 (500-1)	1800-1 461 (500-1)	2100-2¼ 761 (800-2¼)	2100-2½ 761 (800-2½)

REIL Rwys 18, 30 and 36 L
MIRL Rwys 12-30 and 18-36 L

SPENCER, IOWA
Orig-A 21MAY20

43°10′N-95°12′W

SPENCER MUNI (SPW)
RNAV (GPS) RWY 12

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 61333 W18A	APP CRS 181°	Rwy ldg 5100 TDZE 1338 Apt Elev 1339

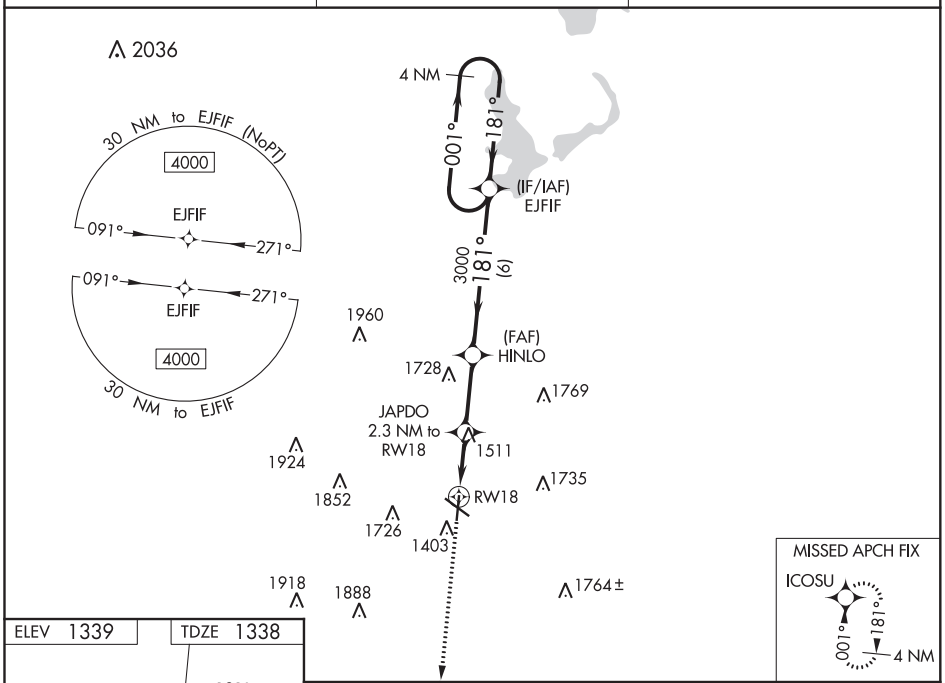
RNAV (GPS) RWY 18
SPENCER MUNI (SPW)

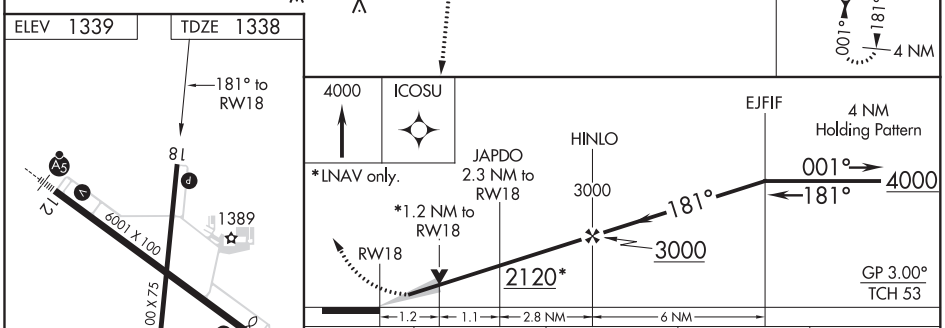
Baro-VNAV and VDP NA when using Estherville altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -20°C (-4°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Estherville altimeter setting and increase all DA/MDA 60 feet; increase LNAV/VNAV all Cats visibility to 1⅛ mile.

-32°C

MISSED APPROACH: Climb to 4000 direct ICOSU and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
126.625	127.75 257.7	123.0 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1588-1 250 (300-1)		NA	
LNAV/VNAV DA	1608-1 270 (300-1)		NA	
LNAV MDA	1780-1 442 (500-1)		NA	
C CIRCLING	1780-1 441 (500-1)	1820-1 481 (500-1)	NA	

REIL Rwys 18, 30 and 36 L
MIRL Rwys 12-30 and 18-36 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

SPENCER, IOWA | AL-5309 (FAA) | 20142

RNAV (GPS) RWY 30
SPENCER MUNI (SPW)

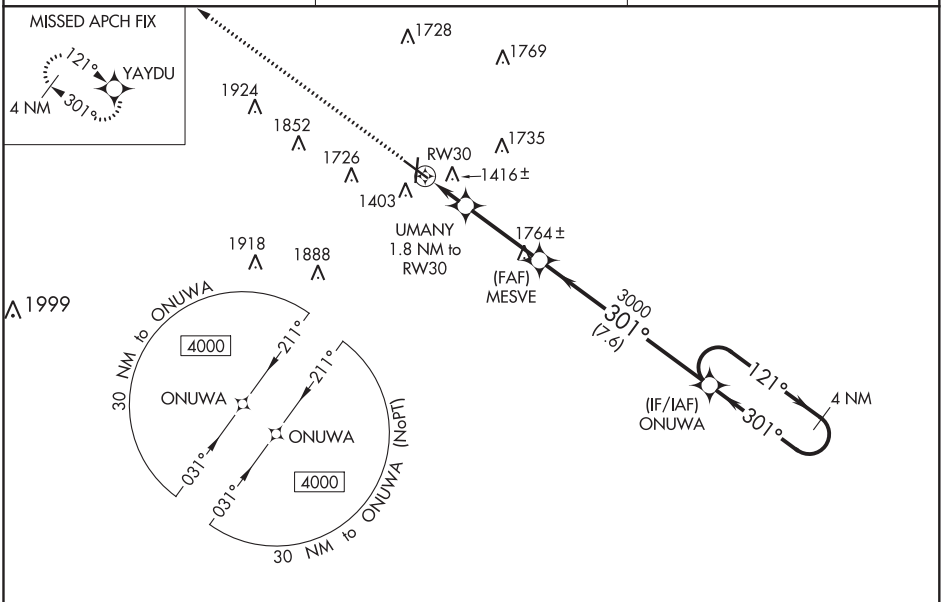
WAAS CH 87133 W30A	APP CRS 301°	Rwy ldg 5501 TDZE 1338 Apt Elev 1339

T
A
-32°C

Baro-VNAV and VDP NA when using Estherville altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -20°C (-4°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Estherville altimeter setting and increase all DA/MDA 60 feet; increase LPV and LNAV/VNAV all Cats, LNAV and Circling Cats C/D visibilities ¼ mile.

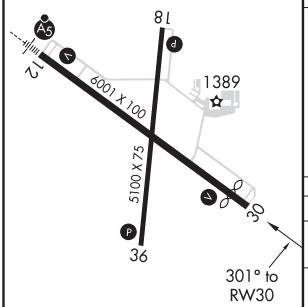
MISSED APPROACH: Climb to 4000 direct YAYDU and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
126.625	127.75 257.7	123.0 (CTAF) L

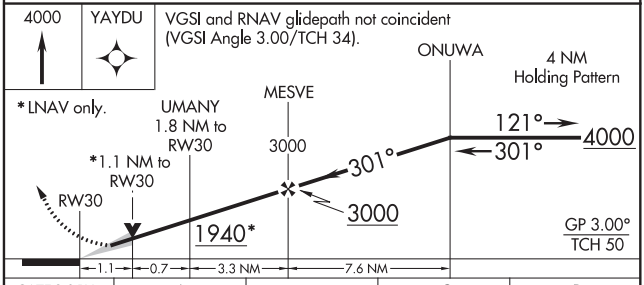


NC-3, 25 FEB 2021 to 22 APR 2021

ELEV 1339 | TDZE 1338



REIL Rwys 18, 30 and 36 L
MIRL Rwys 12-30 and 18-36 L



CATEGORY		A	B	C	D
LPV	DA	1588-¾ 250 (300-¾)			
LNAV/VNAV	DA	1623-⅞ 285 (300-⅞)			
LNAV	MDA	1720-1 382 (400-1)		1720-1⅛ 382 (400-1⅛)	
C CIRCLING		1740-1 401 (500-1)	1820-1 481 (500-1)	2100-2¼ 761 (800-2¼)	2100-2½ 761 (800-2½)

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 82233 W36A	APP CRS 001°	Rwy ldg 5100 TDZE 1338 Apt Elev 1339

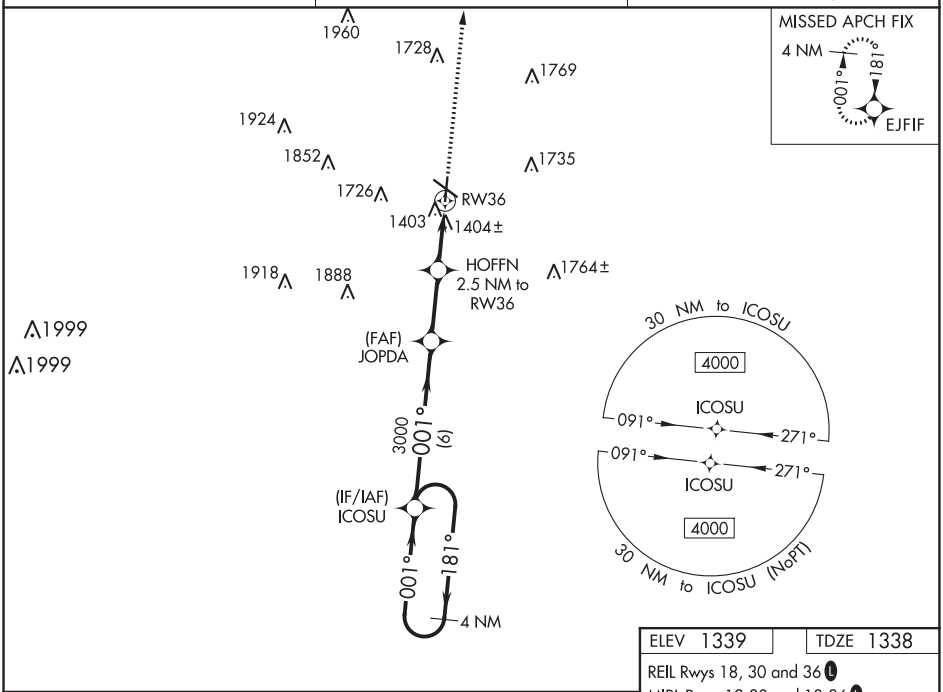
RNAV (GPS) RWY 36
SPENCER MUNI (SPW)

T A -32°C

Baro-VNAV and VDP NA when using Estherville altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -20°C (-4°F) or above 54°C (130°F). Helicopter visibility reduction below 1 SM NA. DME/DME RNP-0.3 NA. When local altimeter setting not received, use Estherville altimeter setting and increase all DA/MDA 60 feet.

MISSED APPROACH: Climb to 4000 direct EJFIF and hold.

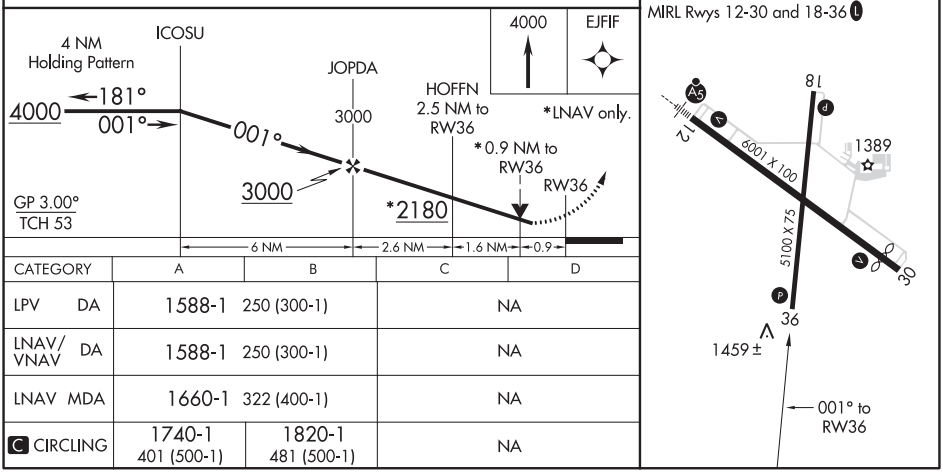
ASOS	MINNEAPOLIS CENTER	UNICOM
126.625	127.75 257.7	123.0 (CTAF) L



ELEV 1339 TDZE 1338

REIL Rwys 18, 30 and 36 L

MIRL Rwys 12-30 and 18-36 L



CATEGORY	A	B	C	D
LPV DA	1588-1	250 (300-1)	NA	
LNAV/VNAV DA	1588-1	250 (300-1)	NA	
LNAV MDA	1660-1	322 (400-1)	NA	
C CIRCLING	1740-1 401 (500-1)	1820-1 481 (500-1)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

SPENCER, IOWA | AL-5309 (FAA) | 20142

VOR RWY 30
SPENCER MUNI (SPW)

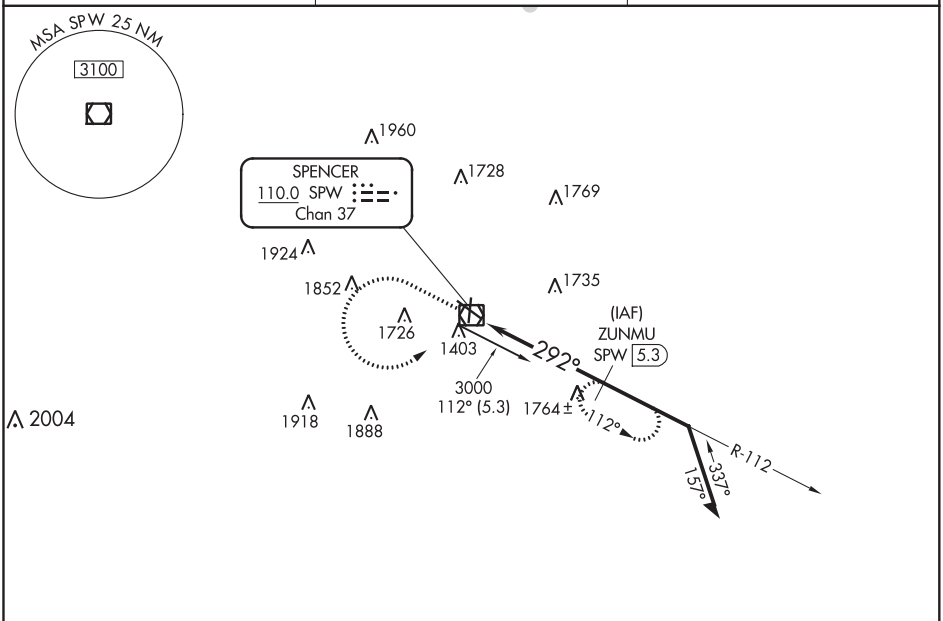
VOR/DME SPW 110.0 Chan 37	APP CRS 292°	Rwy ldg 5501 TDZE 1338 Apt Elev 1339

DME required.

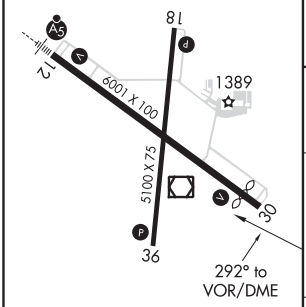
VDP NA when using Estherville altimeter setting.
When local altimeter setting not received, use Estherville altimeter setting and increase all MDA 60 feet and increase S-30 Cat C/D visibility ½ SM and Circling Cat C/D visibility ¼ SM.
-32°C

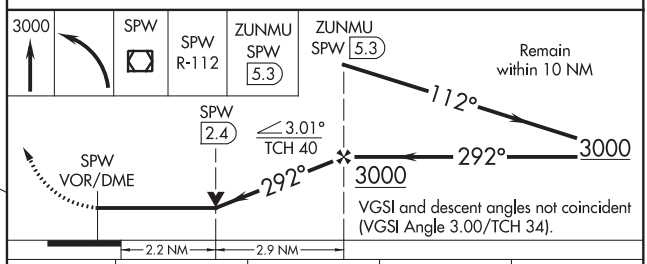
MISSED APPROACH: Climb to 3000, then left turn direct SPW VOR/DME, then on SPW VOR/DME R-112 to ZUNMU/SPW 5.3 DME and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
126.625	127.75 257.7	123.0 (CTAF) L



ELEV 1339 | TDZE 1338





CATEGORY	A	B	C	D
S-30	2080-1 742 (800-1)	2080-1¼ 742 (800-1¼)	2080-2 742 (800-2)	
C CIRCLING	2080-1 741 (800-1)	2080-1¼ 741 (800-1¼)	2100-2¼ 761 (800-2¼)	2100-2½ 761 (800-2½)

REIL Rwys 18, 30 and 36 L
MIRL Rwys 12-30 and 18-36 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

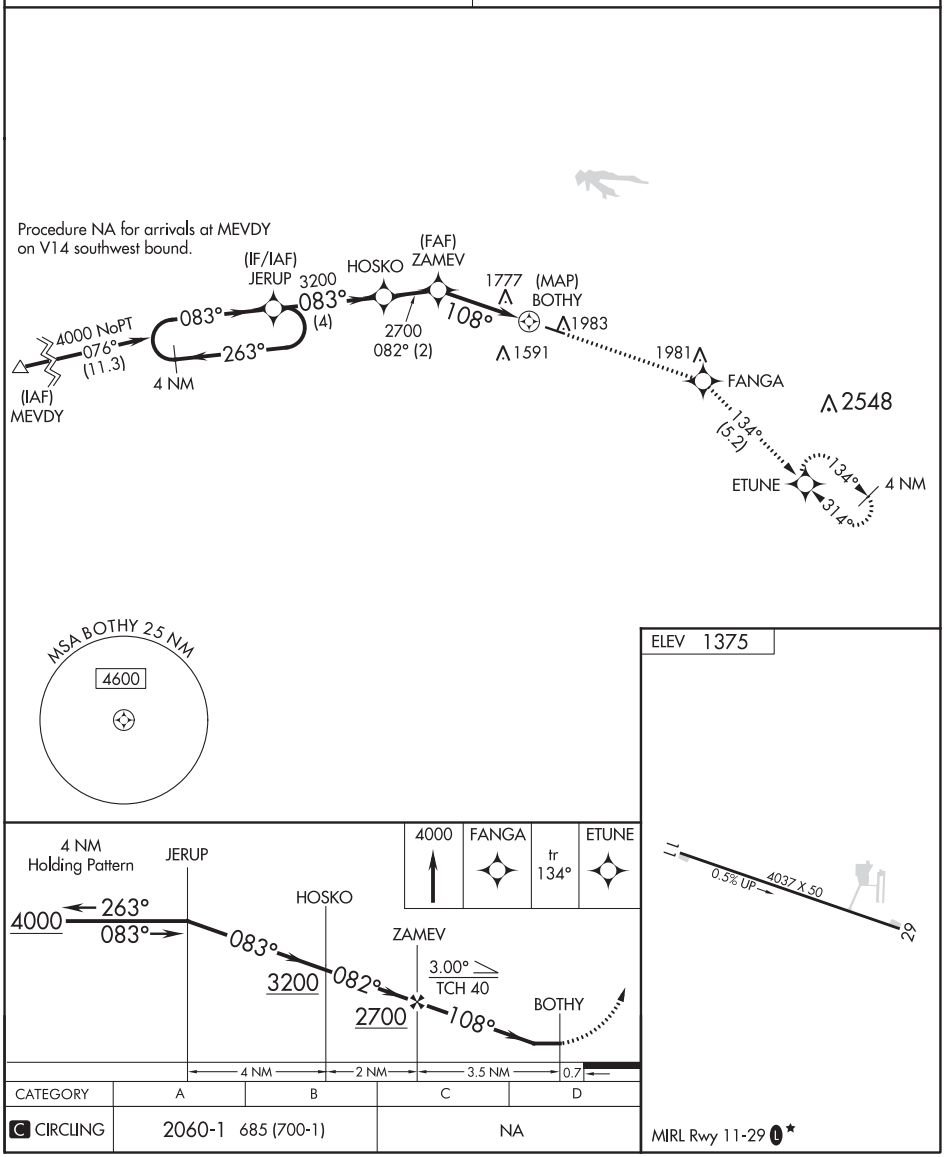
APP CRS	Rwy ldg	N/A
108°	TDZE	N/A
	Apt Elev	1375

RNAV (GPS)-A
DOWNTOWN (3DW)

Circling NA north of Rwy 11-29. DME/DME RNP-0.3 NA.
Use Springfield-Branson National altimeter setting; when not received, use Branson West altimeter setting and increase all MDA 60 feet.
Procedure NA at night. Helicopter visibility reduction below 1 SM NA.

MISSED APPROACH: Climb to 4000 direct FANGA and track 134° to ETUNE and hold.

SPRINGFIELD APP CON	UNICOM
124.95 353.7	122.8 (CTAF) L ★



CATEGORY	A	B	C	D
C CIRCLING	2060-1 685 (700-1)		NA	

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

SPRINGFIELD, MISSOURI | AL-405 (FAA) | 20198

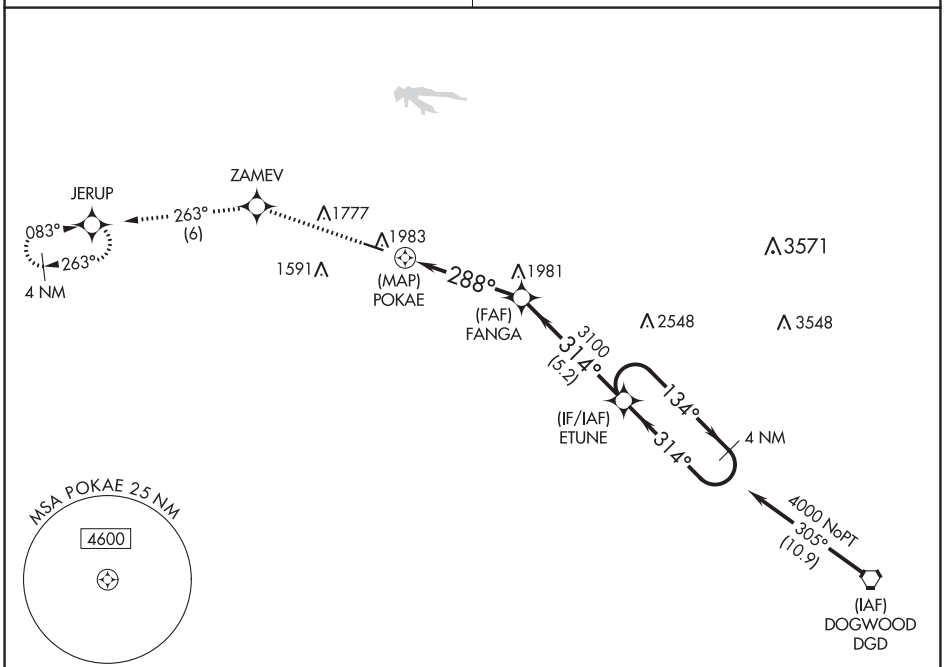
RNAV (GPS)-B
DOWNTOWN (3DW)

APP CRS	Rwy ldg	N/A
288°	TDZE	N/A
	Apt Elev	1375

T A NA — Circling NA north of Rwy 11-29. DME/DME RNP-0.3 NA. Use Springfield-Branson National altimeter setting; when not received, use Branson West altimeter setting and increase all MDA 60 feet. Procedure NA at night. Helicopter visibility reduction below 1 SM NA.

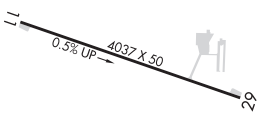
MISSED APPROACH: Climb to 4000 direct ZAMEV and track 263° to JERUP and hold.

SPRINGFIELD APP CON	UNICOM
124.95 353.7	122.8 (CTAF) L★

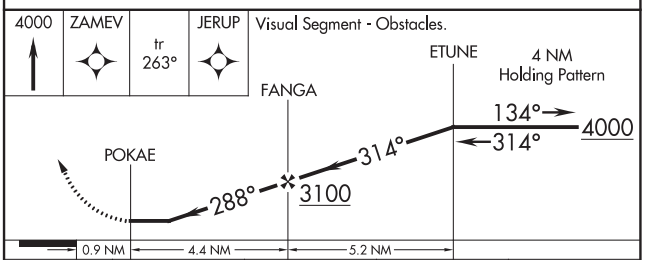


Procedure NA for arrivals on DGD VORTAC airway radials 232 CW 311.

ELEV 1375



MIRL Rwy 11-29 L★



CATEGORY	A	B	C	D
C CIRCLING	2280-1¼ 905 (1000-1¼)		NA	

SPRINGFIELD, MISSOURI | DOWNTOWN (3DW)
Orig-A 17AUG17 | 37°13′N-93°15′W | RNAV (GPS)-B

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

LOC/DME I-SGF	APP CRS	Rwy ldg	7003
109.9	019°	TDZE	1265
Chan 36		Apt Elev	1268

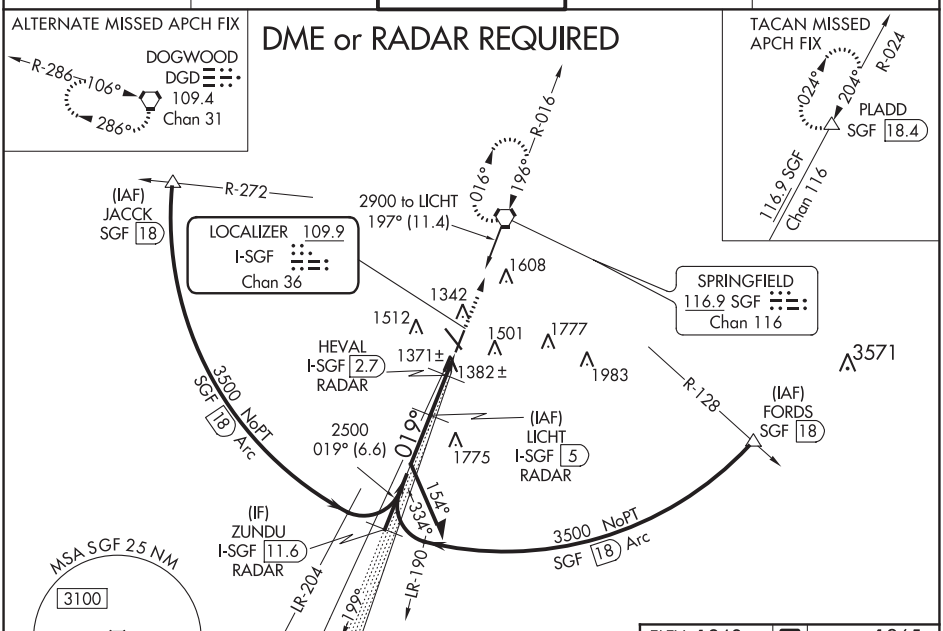
ILS or LOC RWY 2
SPRINGFIELD-BRANSON NATIONAL (SGF)

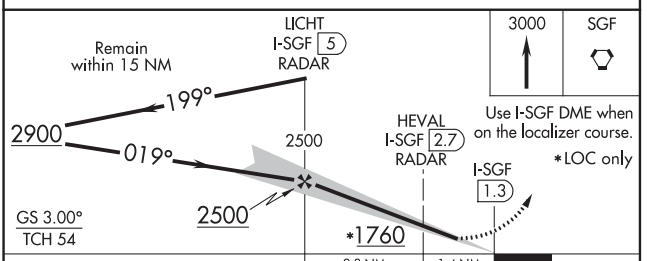
T A: DME or RADAR Required. For inop MALSR, increase S-ILS 2 Cat E visibility to RVR 4000, and S-LOC 2 Cat E visibility to 1¼ mile. #RVR 1800 authorized with use of FD or AP or HUD to DA.

MALSR (A5)

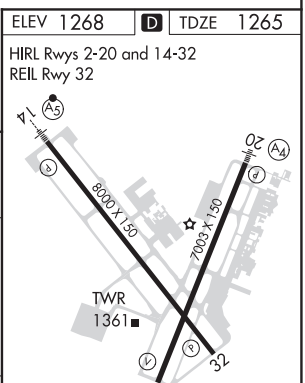
MISSED APPROACH: Climb to 3000 direct SGF VORTAC and hold (TACAN aircraft continue on SGF VORTAC R-024 to PLADD/ SGF 18.4 DME and hold northeast, right turn, 204° inbound).

ATIS	SPRINGFIELD APP CON	SPRINGFIELD TOWER	GND CON	CLNC DEL
135.125	121.1 290.5	119.9 257.8	121.9 251.15	123.675





CATEGORY	A	B	C	D	E
S-ILS 2	#1465/24 200 (200-½)				
S-LOC 2	1700/24 435 (500-½)		1700/40 435 (500-¾)		
C CIRCLING	1760-1 492 (500-1)	1820-1 552 (600-1)	1820-1½ 552 (600-1½)	1920-2 652 (700-2)	2080-3 812 (900-3)



FAF to MAP 3.7 NM					
Knots	60	90	120	150	180
Min:Sec	3:42	2:28	1:51	1:29	1:14

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

SPRINGFIELD, MISSOURI | AL-604 (FAA) | 21056

ILS or LOC RWY 14
SPRINGFIELD-BRANSON NATIONAL (SGF)

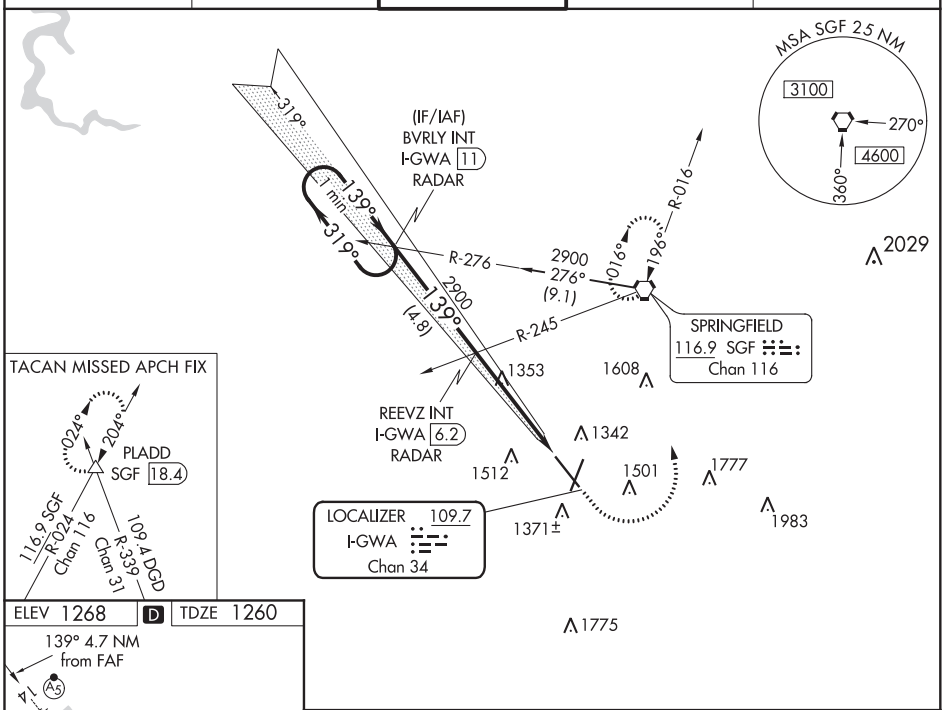
LOC/DME I-GWA	APP CRS	Rwy ldg	8000
109.7	139°	TDZE	1260
Chan 34		Apt Elev	1268

Helicopter visibility reduction below ¾ SM NA.
Inoperative table does not apply to S-ILS 14.
For inoperative MALSR, increase S-LOC 14 all Cats visibility to 1.

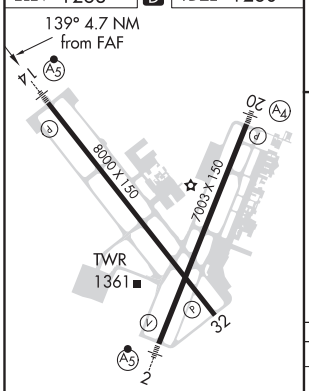
MALSR

MISSED APPROACH: Climb to 1800 then climbing left turn to 2900 to SGF VORTAC and hold.
(TACAN aircraft continue on SGF VORTAC R-024 to PLADD INT and hold NE, RT, 204° inbound).

ATIS	SPRINGFIELD APP CON	SPRINGFIELD TOWER	GND CON	CLNC DEL
135.125	121.1 290.5	119.9 257.8	121.9 251.15	123.675

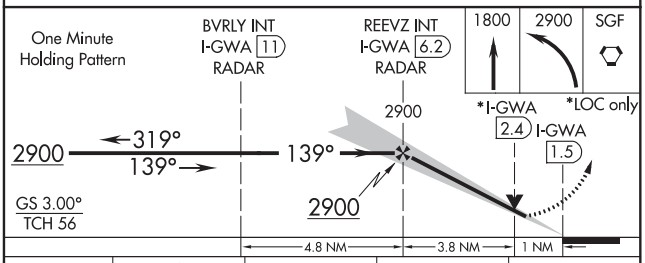


ELEV 1268 | D | TDZ 1260



REIL Rwy 32
HIRL Rwys 2-20 and 14-32

FAF to MAP 4.7 NM					
Knots	60	90	120	150	180
Min:Sec	4:42	3:08	2:21	1:53	1:34



CATEGORY	A	B	C	D
S-ILS 14	1517-¾ 257 (300-¾)			
S-LOC 14	1620-¾ 360 (400-¾)			
C CIRCLING	1760-1 492 (500-1)	1820-1 552 (600-1)	1820-1½ 552 (600-1½)	1920-2 652 (700-2)

SPRINGFIELD, MISSOURI
Orig-C 28MAY15

37° 15′ N-93° 23′ W

SPRINGFIELD-BRANSON NATIONAL (SGF)
ILS or LOC RWY 14

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 86214 W02A	APP CRS 019°	Rwy ldg 7003 TDZE 1265 Apt Elev 1268

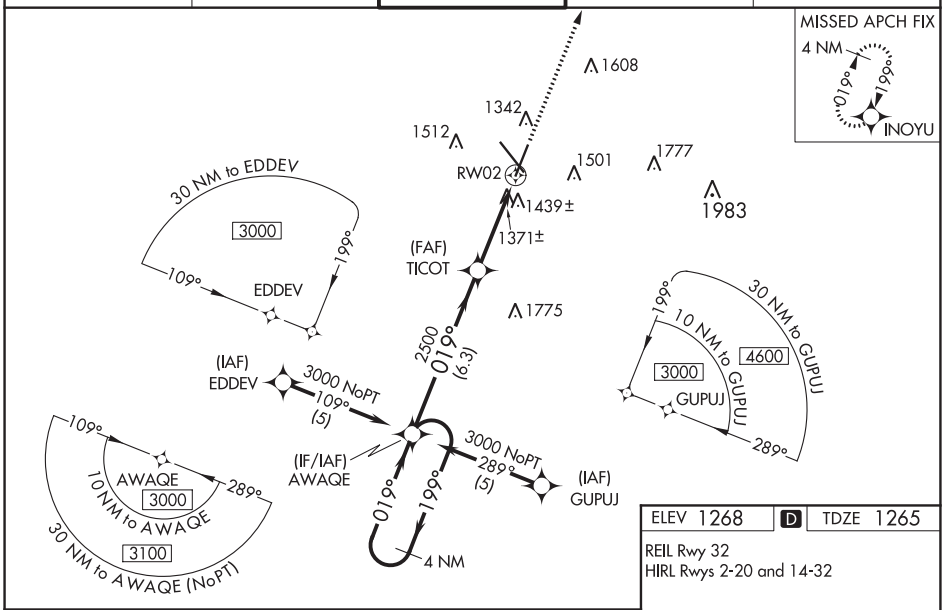
RNAV (GPS) RWY 2
SPRINGFIELD-BRANSON NATIONAL (SGF)

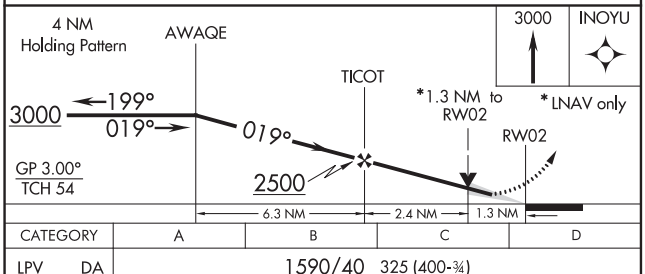
T A DME/DME RNP -0.3 NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 45°C (113°F).
Baro-VNAV and VDP NA when using Monett altimeter setting.
For inoperative MALSR, increase LNAV Cat A and B visibility to RVR 5000.
When local altimeter setting not received, use Monett altimeter setting and increase all DAs 90 feet and all MDAs 100 feet, increase LPV visibility all Cats to RVR 5000, LNAV/VNAV visibility all Cats to 1½ miles, LNAV visibility Cat C to RVR 5000 and Cat D to RVR 6000, and increase visibility Circling Cat C to 1¾ miles, and Cat D to 2 miles.
For inoperative MALSR, when using Monett altimeter setting, increase LPV visibility all Cats to 1½, LNAV Cat A and B visibility to RVR 5000.

MALSR A5

MISSED APPROACH: Climb to 3000 direct INOYU and hold.

ATIS	SPRINGFIELD APP CON	SPRINGFIELD TOWER	GND CON	CLNC DEL
135.125	121.1 290.5	119.9 257.8	121.9 251.15	123.675

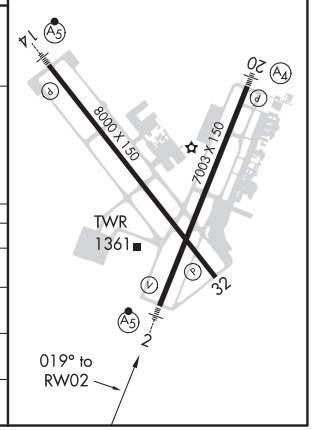




CATEGORY	A	B	C	D
LPV DA	1590/40 325 (400-¾)			
LNAV/VNAV DA	1754/60 489 (500-1¼)			
LNAV MDA	1720/40 455 (500-¾)			1720/50 455 (500-1)
C CIRCLING	1760-1 492 (500-1)	1820-1 552 (600-1)	1820-1½ 552 (600-1½)	1920-2 652 (700-2)

ELEV 1268 D TDZE 1265

REIL Rwy 32
HIRL Rwys 2-20 and 14-32



NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

SPRINGFIELD, MISSOURI AL-604 (FAA) 21056

WAAS CH 40121 W14A	APP CRS 139°	Rwy ldg 8000 TDZE 1260 Apt Elev 1268

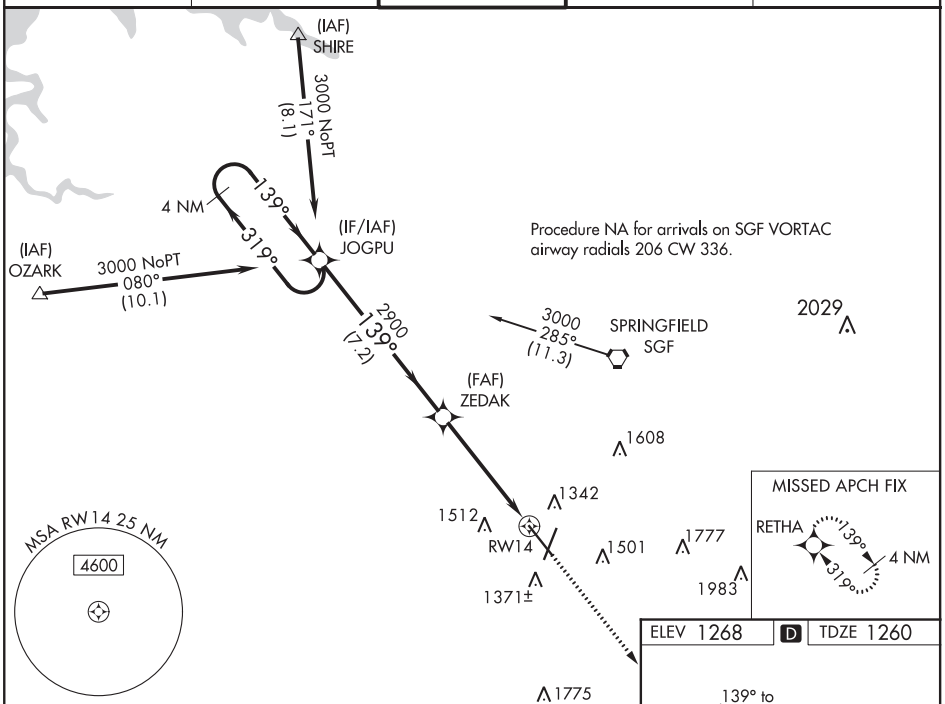
RNAV (GPS) RWY 14
SPRINGFIELD-BRANSON NATIONAL (SGF)

Inoperative table does not apply to LPV all Cats. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -21°C (-5°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Helicopter visibility reduction below ¾ SM NA. For inoperative MALSR, increase LNAV/VNAV all Cats visibility to 1⅛, increase LNAV Cat A/B visibility to 1.

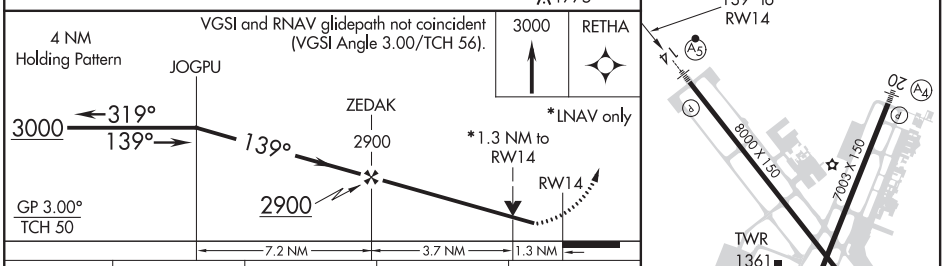
MALSR

MISSED APPROACH: Climb to 3000 direct RETHA and hold.

ATIS	SPRINGFIELD APP CON	SPRINGFIELD TOWER	GND CON	CLNC DEL
135.125	121.1 290.5	119.9 257.8	121.9 251.15	123.675



ELEV 1268 D TDZE 1260



CATEGORY	A	B	C	D
LPV DA	1518-¾ 258 (300-¾)			
LNAV/VNAV DA	1620-¾ 360 (400-¾)			
LNAV MDA	1720-¾ 460 (500-¾)		1720-⅞ 460 (500-⅞)	
C CIRCLING	1760-1 492 (500-1)	1820-1 552 (600-1)	1820-1½ 552 (600-1½)	1920-2 652 (700-2)

REIL Rwy 32
HIRL Rwys 2-20 and 14-32

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 65613 W20A	APP CRS 199°	Rwy ldg 7003 TDZE 1262 Apt Elev 1268

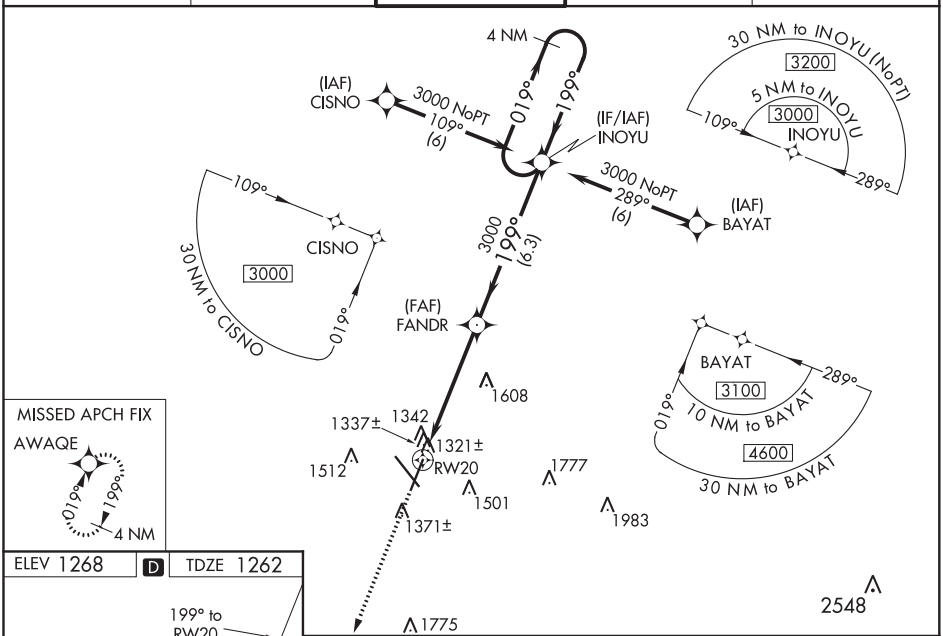
RNAV (GPS) RWY 20
SPRINGFIELD-BRANSON NATIONAL (SGF)

DME/DME RNP- 0.3 NA. Visibility reduction by helicopters NA.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 46°C (114°F).
Baro-VNAV and VDP NA when using Monett altimeter setting.
Inoperative table does not apply to LNAV/VNAV all Cats and LNAV Cat C.
When local altimeter setting not received, use Monett altimeter setting and increase all DAs 90 feet and increase all MDAs 100 feet, increase LPV visibility all Cats ¼ mile, increase LNAV/VNAV all Cats ¼ mile, increase LNAV Cats C and D ¼ mile, increase Circling Cat C ¼ mile.

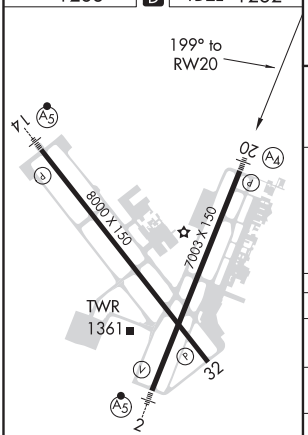
MALS

MISSED APPROACH: Climb to 3000 direct AWAQE and hold.

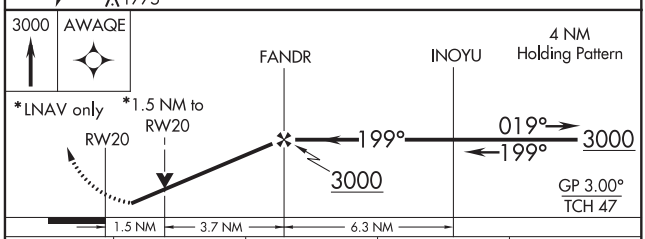
ATIS	SPRINGFIELD APP CON	SPRINGFIELD TOWER	GND CON	CLNC DEL
135.125	121.1 290.5	119.9 257.8	121.9 251.15	123.675



ELEV 1268 D TDZE 1262



REIL Rwy 32
HIRL Rwys 2-20 and 14-32



CATEGORY	A	B	C	D
LPV DA	1531-1 269 (300-1)			
LNAV/VNAV DA	1656-1½ 394 (400-1½)			
LNAV MDA	1780-¾ 518 (600-¾)		1780-1½ 518 (600-1½)	1780-1¾ 518 (600-1¾)
C CIRCLING	1780-1 512 (600-1)	1820-1 552 (600-1)	1820-1½ 552 (600-1½)	1920-2 652 (700-2)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

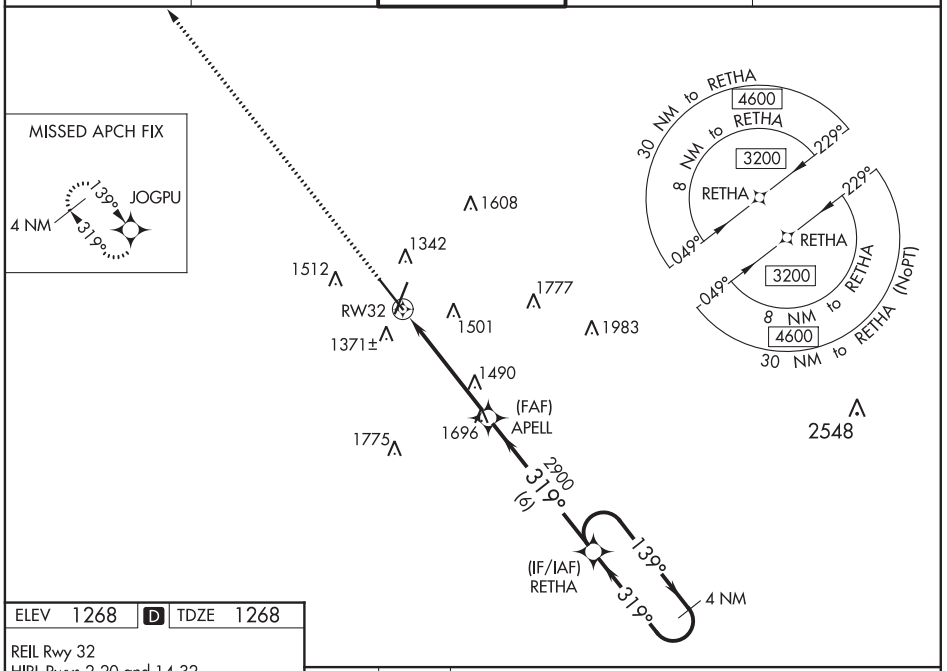
WAAS CH 72933 W32A	APP CRS 319°	Rwy ldg 8000 TDZE 1268 Apt Elev 1268

RNAV (GPS) RWY 32
SPRINGFIELD-BRANSON NATIONAL (SGF)

T A Baro-VNAV and VDP NA when using Monett altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). When local altimeter setting not received, use Monett altimeter setting and increase all DA 90 feet and all MDA 100 feet; increase LPV all Cats visibility ⅛ mile, LNAV/VNAV all Cats ⅜ mile, LNAV Cats C and D ¼ mile and Circling Cat C ¼ mile and Cat D ½ mile. DME/DME RNP- 0.3 NA.

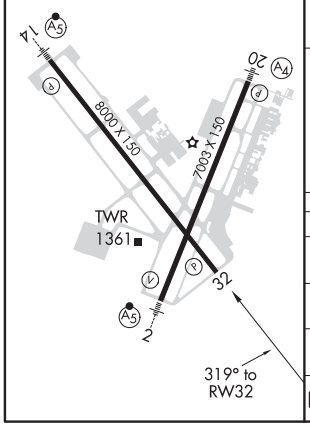
MISSED APPROACH: Climb to 3000 direct JOGPU and hold.

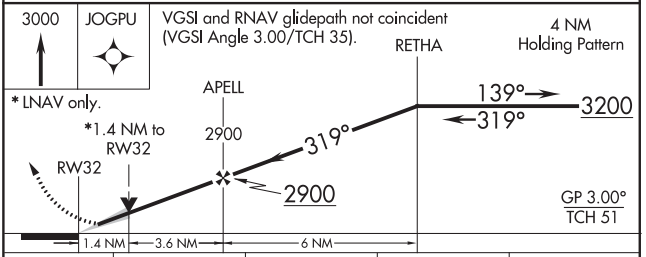
ATIS	SPRINGFIELD APP CON	SPRINGFIELD TOWER	GND CON	CLNC DEL
135.125	121.1 290.5	119.9 257.8	121.9 251.15	123.675



ELEV 1268 D TDZE 1268

REIL Rwy 32
HIRL Rwys 2-20 and 14-32





CATEGORY		A	B	C	D
LPV	DA	1518-1 250 (300-1)			
LNAV/VNAV	DA	1660-1¼ 392 (400-1¼)			
LNAV	MDA	1740-1 472 (500-1)		1740-1⅜ 472 (500-1⅜)	
C CIRCLING		1760-1 492 (500-1)	1820-1 552 (600-1)	1820-1½ 552 (600-1½)	1920-2 652 (700-2)

NC-3, 25 FEB 2021 to 22 APR 2021

VORTAC SGF 116.9 Chan 116	APP CRS 016°	Rwy ldg 7003 TDZE 1265 Apt Elev 1268

VOR/DME or TACAN RWY 2

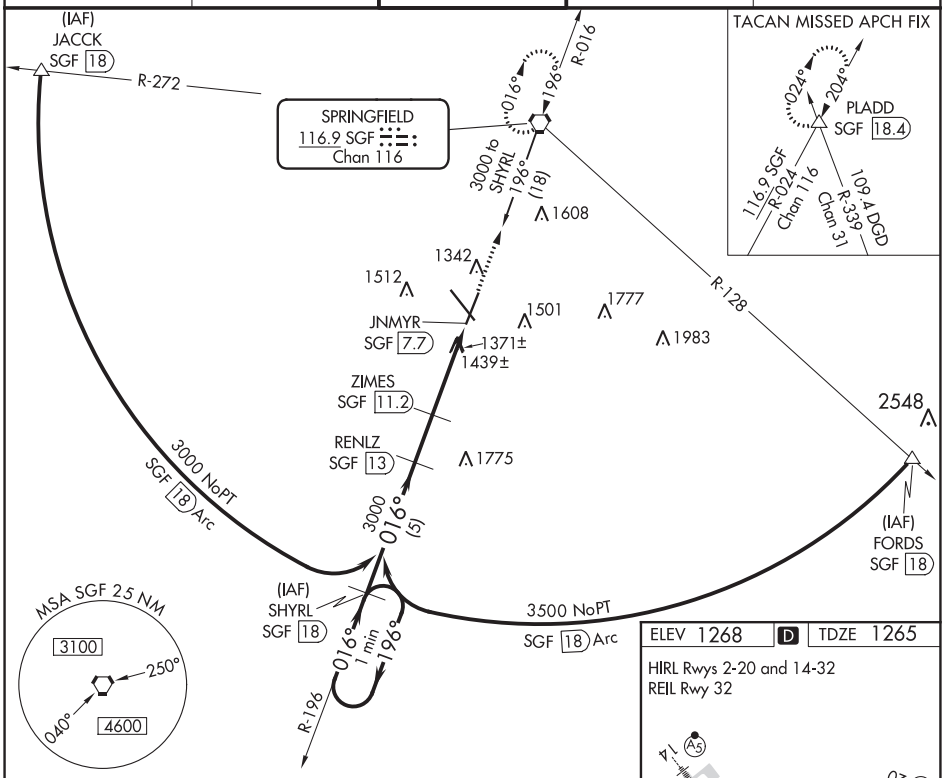
SPRINGFIELD-BRANSON NATIONAL (SGF)

For inoperative MALSR, increase S-2 Cat A and B visibility to RVR 5000 and Cat E to 1½. When local altimeter setting not received, use Monett altimeter setting and increase all MDA 100 feet, increase Circling Cat C to 1¾ mile. VDP NA when using Monett altimeter setting.

MALSR

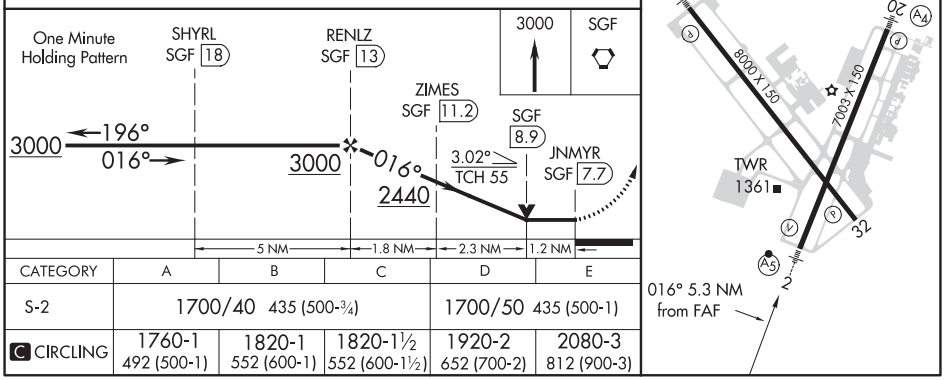
MISSED APPROACH: Climb to 3000 direct SGF VORTAC and hold (TACAN Aircraft continue on SGF R-024 to PLADD INT/SGF 18.4 DME and hold, north, right turns, 204° inbound).

ATIS	SPRINGFIELD APP CON	SPRINGFIELD TOWER	GND CON	CLNC DEL
135.125	121.1 290.5	119.9 257.8	121.9 251.15	123.675



ELEV 1268 | D | TDZE 1265

HIRL Rwys 2-20 and 14-32
REIL Rwy 32



CATEGORY	A	B	C	D	E
S-2	1700/40 435 (500-¾)			1700/50 435 (500-1)	
C CIRCLING	1760-1 492 (500-1)	1820-1 552 (600-1)	1820-1½ 552 (600-1½)	1920-2 652 (700-2)	2080-3 812 (900-3)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

VORTAC SGF 116.9 Chan 116	APP CRS 196°	Rwy ldg 7003 TDZE 1262 Apt Elev 1268

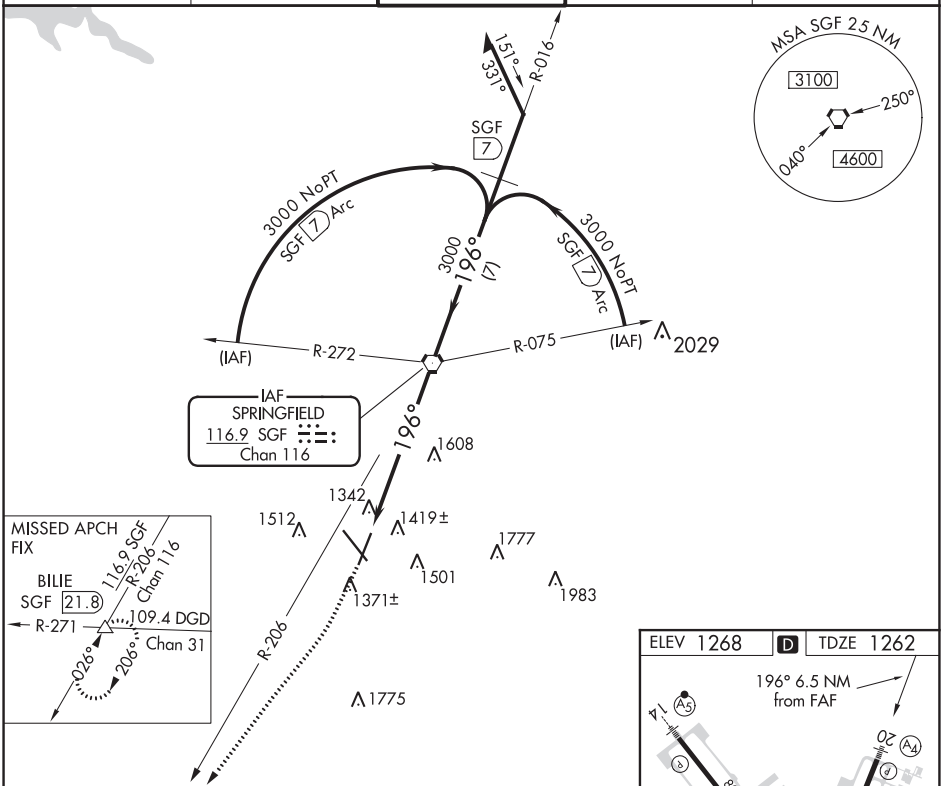
VOR or TACAN RWY 20
SPRINGFIELD-BRANSON NATIONAL (SGF)

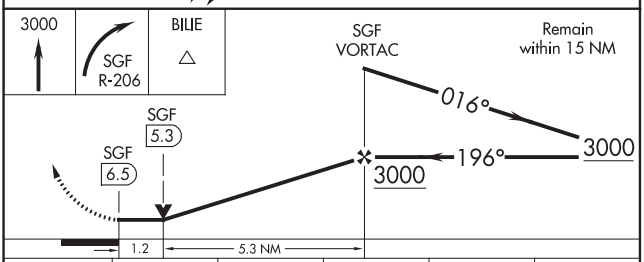
T A Inoperative table does not apply to Cat C. Helicopter visibility reduction below ¾ SM not authorized. When local altimeter setting not received, use Monett altimeter setting and increase all MDA 100 feet, increase S-20 Cat C/D/E visibility ¼ mile, increase Circling Cat C/E visibility ¼ mile. VDP NA when using Monett altimeter setting.

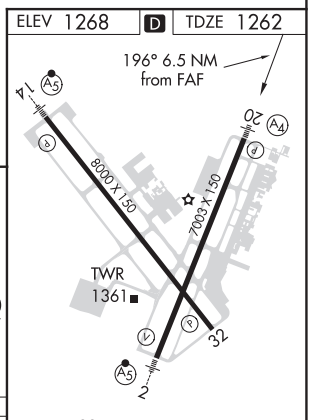
MALS A4

MISSED APPROACH: Climb to 3000 then right turn to intercept SGF R-206 to BILIE INT/SGF 21.8 DME and hold.

ATIS	SPRINGFIELD APP CON	SPRINGFIELD TOWER	GND CON	CLNC DEL
135.125	121.1 290.5	119.9 257.8	121.9 251.15	123.675





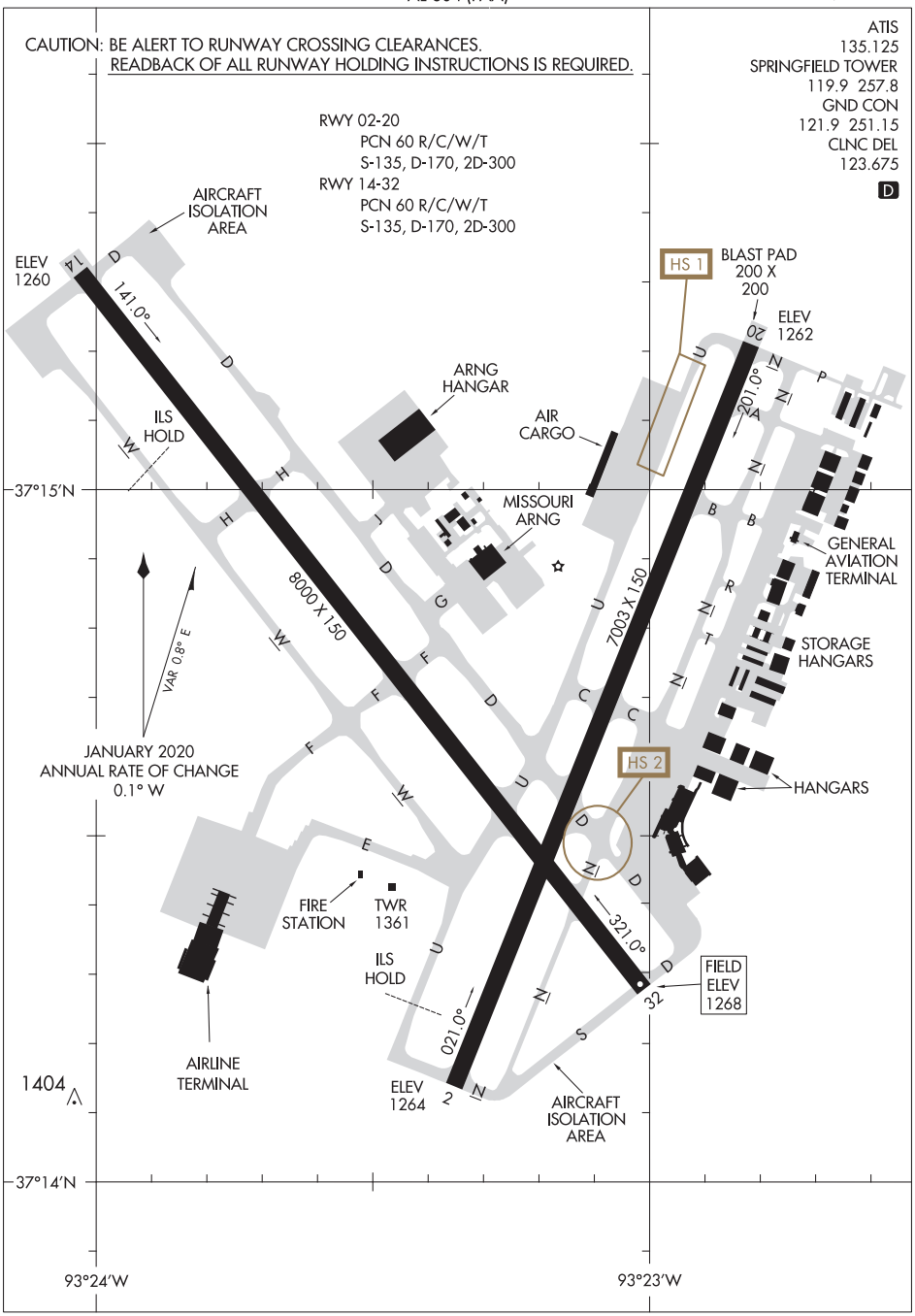


REIL Rwy 32
HIRL Rwys 2-20 and 14-32

CATEGORY	A	B	C	D	E
S-20	1700-¾ 438 (500-¾)		1700-1¼ 438 (500-1¼)	1700-1½ 438 (500-1½)	
C CIRCLING	1760-1 492 (500-1)	1820-1 552 (600-1)	1820-1½ 552 (600-1½)	1920-2 652 (700-2)	2080-3 812 (900-3)

FAF to MAP 6.5 NM					
Knots	60	90	120	150	180
Min:Sec	6:30	4:20	3:15	2:36	2:10

NC-3, 25 FEB 2021 to 22 APR 2021


CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.
READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.
ATIS
135.125
SPRINGFIELD TOWER
119.9 257.8
GND CON
121.9 251.15
CLNC DEL
123.675
D
RWY 02-20
PCN 60 R/C/W/T
S-135, D-170, 2D-300
RWY 14-32
PCN 60 R/C/W/T
S-135, D-170, 2D-300
AIRCRAFT ISOLATION AREA
ELEV 1260
14
141.0°
HS 1
BLAST PAD 200 X 200
ELEV 1262
20
201.0°
ARNG HANGAR
AIR CARGO
ILS HOLD
37°15'N
MISSOURI ARNG
GENERAL AVIATION TERMINAL
STORAGE HANGARS
8000 X 150
7003 X 150
VAR 0.8° E
JANUARY 2020
ANNUAL RATE OF CHANGE
0.1° W
HS 2
HANGARS
FIRE STATION
TWR 1361
321.0°
ILS HOLD
FIELD ELEV 1268
32
021.0°
AIRLINE TERMINAL
1404
ELEV 1264
2
AIRCRAFT ISOLATION AREA
37°14'N
93°24'W
93°23'W

STEELE, MISSOURI | AL-10597 (FAA) | 19339

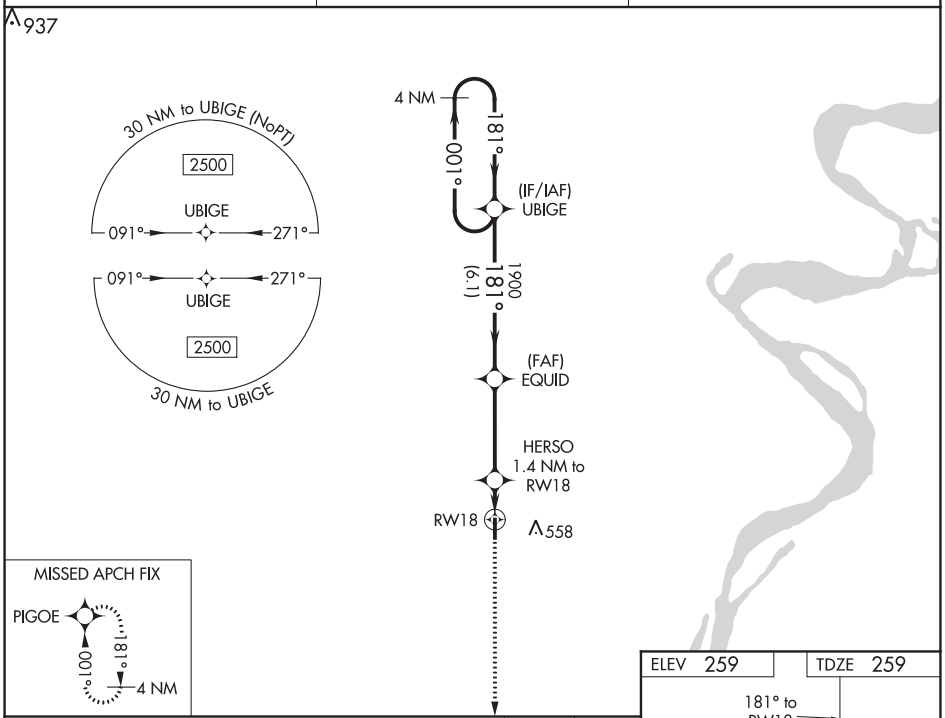
WAAS CH 42837 W18A	APP CRS 181°	Rwy ldg 3984 TDZE 259 Apt Elev 259

RNAV (GPS) RWY 18
STEELE MUNI (M12)

T A NA — Baro-VNAV NA. Use Blytheville Muni altimeter setting; when not received, use Arkansas Intl altimeter setting. DME/DME RNP-0.3 NA. Helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 2500 direct PIGOE and hold.

HKA ASOS	MEMPHIS CENTER	UNICOM
135.025	134.65 316.15	122.8 (CTAF) L



CATEGORY	A	B	C	D
LPV DA	531-1 272 (300-1)			NA
LNAV/VNAV DA	539-1 280 (300-1)			NA
LNAV MDA	660-1 401 (500-1)		660-1⅛ 401 (500-1⅛)	NA
C CIRCLING	700-1 441 (500-1)	900-1 641 (700-1)	900-2 641 (700-2)	NA

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

STEELE, MISSOURI
Orig 30APR15

36°06′N-89°52′W

STEELE MUNI (M12)
RNAV (GPS) RWY 18

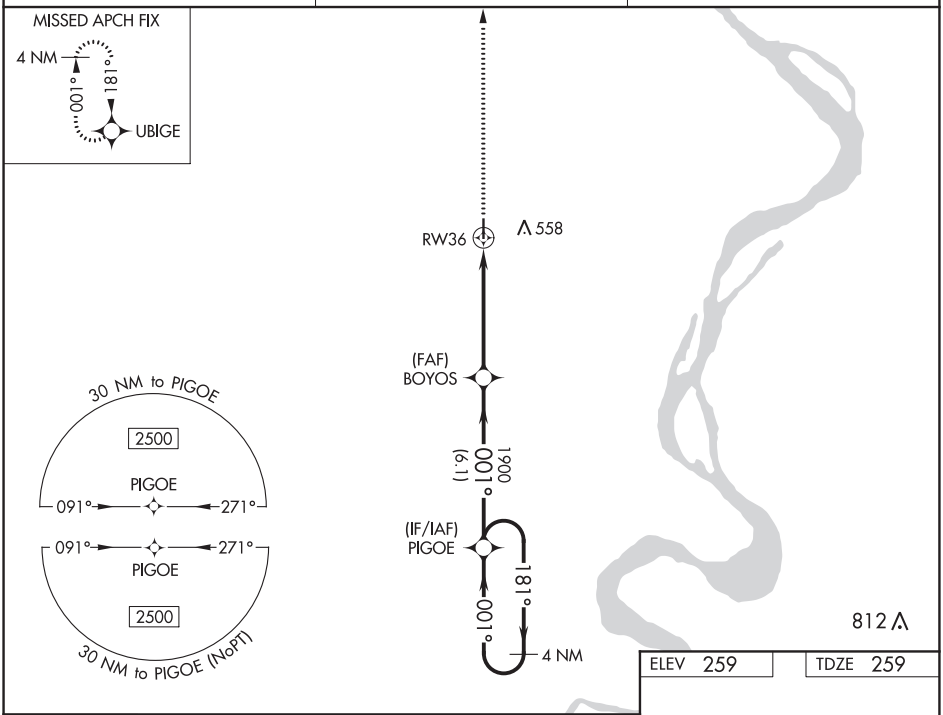
WAAS CH 82137 W36A	APP CRS 001°	Rwy ldg 3984 TDZE 259 Apt Elev 259

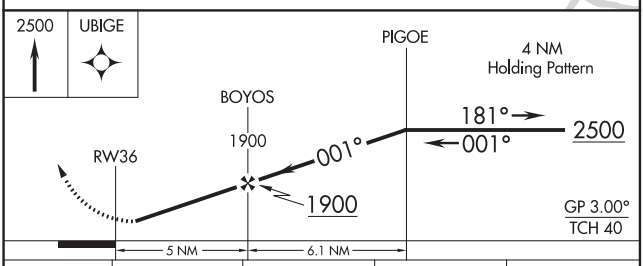
RNAV (GPS) RWY 36
STEELE MUNI (M12)

T A NA Baro-VNAV NA. Use Blytheville Muni altimeter setting; when not received, use Arkansas Intl altimeter setting. DME/DME RNP-0.3 NA. Helicopter visibility reduction below ¾ SM NA.

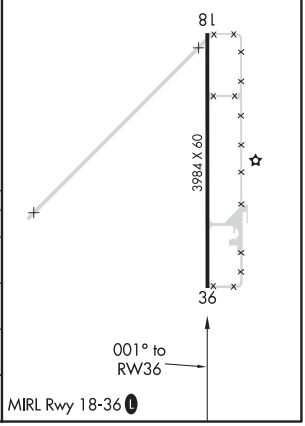
MISSED APPROACH: Climb to 2500 direct UBIGE and hold.

HKA ASOS	MEMPHIS CENTER	UNICOM
135.025	134.65 316.15	122.8 (CTAF) L





ELEV 259 TDZE 259



CATEGORY	A	B	C	D
LPV DA	532-1 273 (300-1)			NA
LNAV/VNAV DA	532-1 273 (300-1)			NA
LNAV MDA	680-1 421 (500-1)		680-1¼ 421 (500-1¼)	NA
C CIRCLING	700-1 441 (500-1)	900-1 641 (700-1)	900-2 641 (700-2)	NA

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

STOCKTON, MISSOURI | AL-6771 (FAA) | 20198

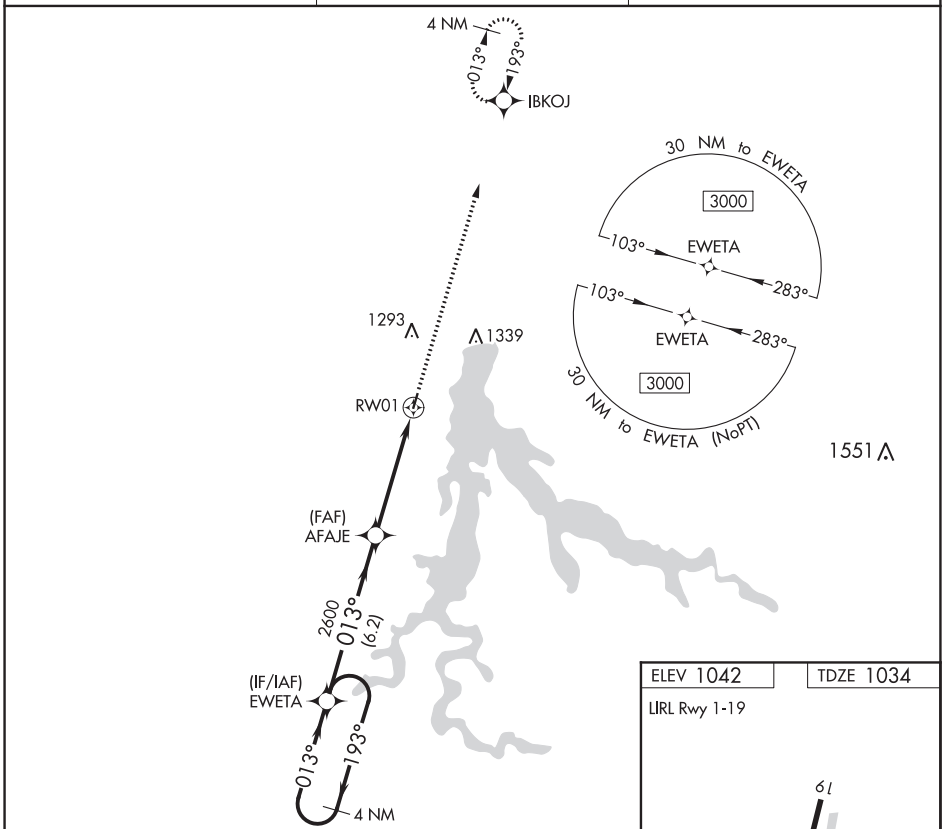
RNAV (GPS) RWY 1
STOCKTON MUNI (MO3)

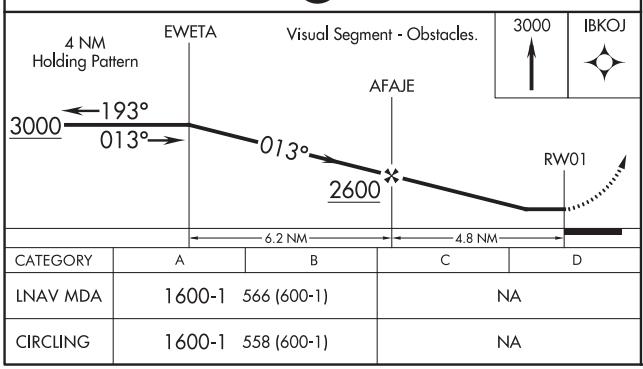
APP CRS	Rwy ldg	3060
013°	TDZE	1034
	Apt Elev	1042

T A NA — Use Nevada altimeter setting; when not received, use Springfield altimeter setting and increase all MDA 40 feet. DME/DME RNP-0.3 NA. Helicopter visibility reduction below 1 SM NA. Procedure NA at night.

MISSED APPROACH: Climb to 3000 direct IBKOJ and hold.

NVD AWOS-3	SPRINGFIELD APP CON	CTAF
119.175	124.95	122.9

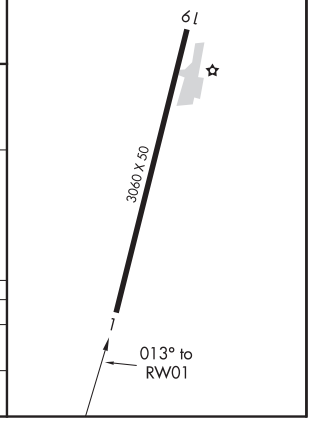




CATEGORY	A	B	C	D
LNAV MDA	1600-1	566 (600-1)	NA	
CIRCLING	1600-1	558 (600-1)	NA	

ELEV 1042 | TDZE 1034

LIRL Rwy 1-19



NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

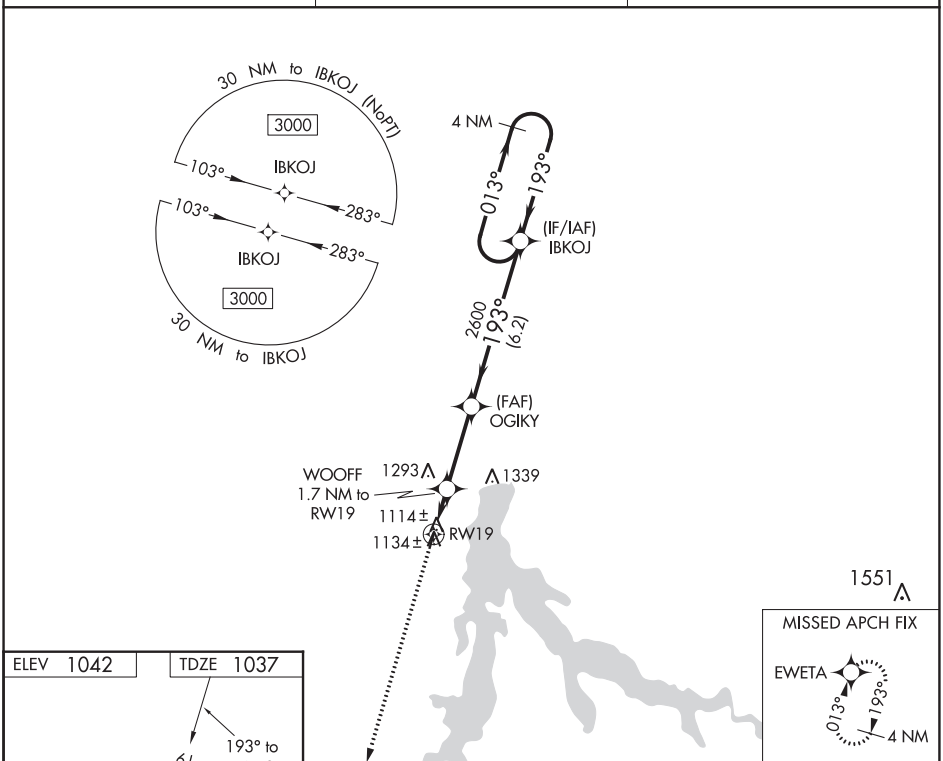
WAAS CH 50334 W19A	APP CRS 193°	Rwy ldg 3060 TDZE 1037 Apt Elev 1042

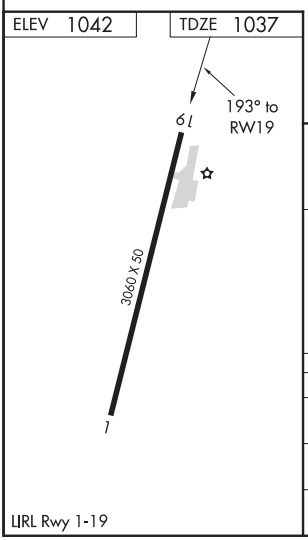
RNAV (GPS) RWY 19
STOCKTON MUNI (MO3)

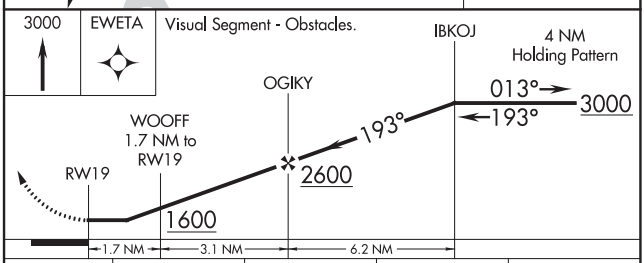
T A NA — Procedure NA at night. Use Nevada altimeter setting; when not received, use Springfield altimeter setting and increase all MDA 40 feet. DME/DME RNP-0.3 NA. Helicopter visibility reduction below 1 SM NA.

MISSED APPROACH: Climb to 3000 direct EWETA and hold.

NVD AWOS-3	SPRINGFIELD APP CON	CTAF
119.175	124.95	122.9







CATEGORY	A	B	C	D
LP MDA	1460-1 423 (500-1)		NA	
LNAV MDA	1480-1 443 (500-1)		NA	
CIRCLING	1540-1 498 (500-1)		NA	

LIRL Rwy 1-19

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

STOCKTON, MISSOURI | AL-6771 (FAA) | 20310

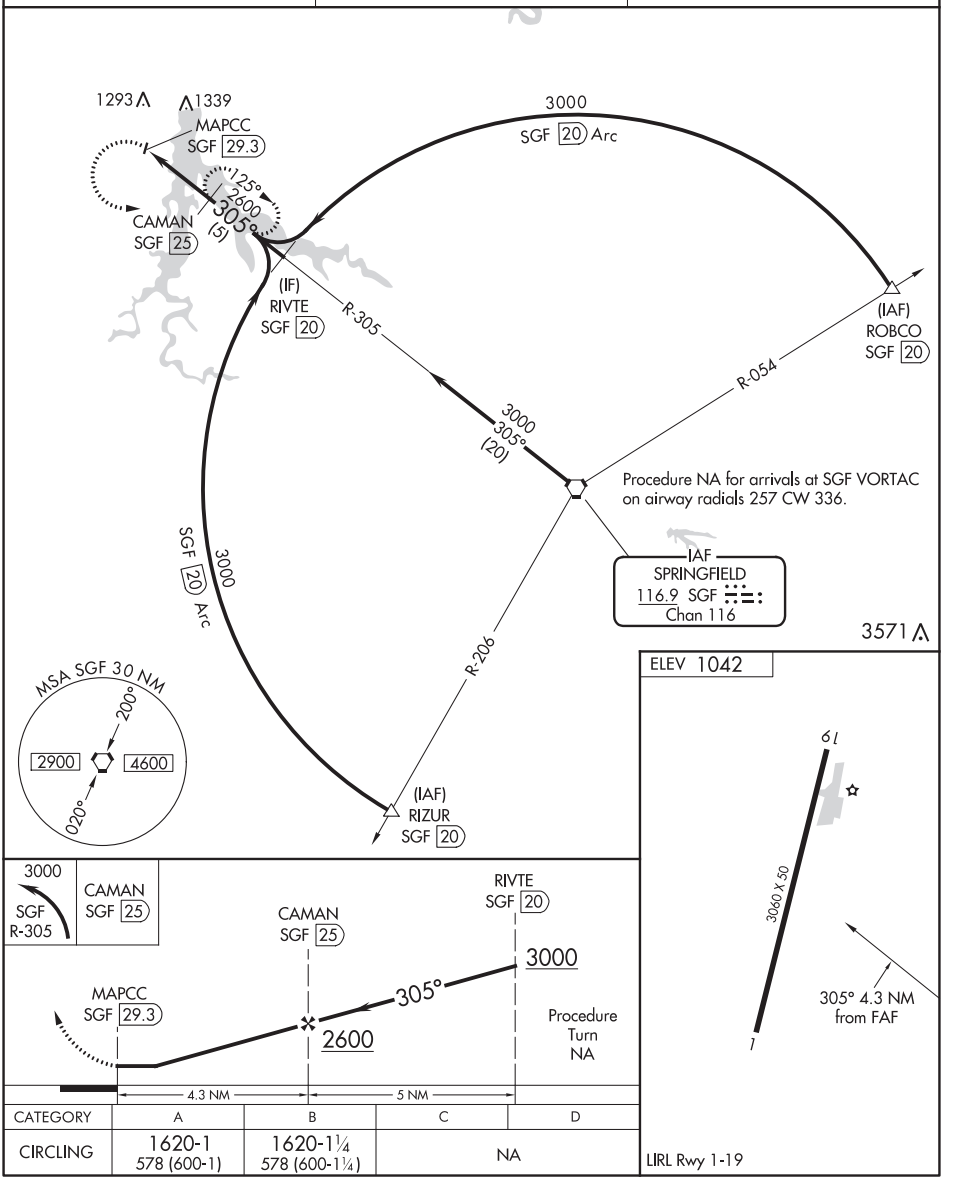
VOR/DME-A
STOCKTON MUNI (MO3)

VORTAC SGF	APP CRS	Rwy ldg	N/A
116.9	305°	TDZE	N/A
Chan 116		Apt Elev	1042

T A NA — Use Nevada altimeter setting; when not received, use Springfield altimeter setting and increase all MDA 20 feet. Procedure NA at night. Helicopter visibility reduction below 1 SM NA.

MISSED APPROACH: Climbing left turn to 3000 on SGF VORTAC R-305 to CAMAN/25 DME and hold.

NVD AWOS-3	SPRINGFIELD APP CON	CTAF
119.175	124.95	122.9



CATEGORY	A	B	C	D
CIRCLING	1620-1 578 (600-1)	1620-1¼ 578 (600-1¼)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

APP CRS	Rwy ldg	5002
171°	TDZE	1484
	Apt Elev	1488

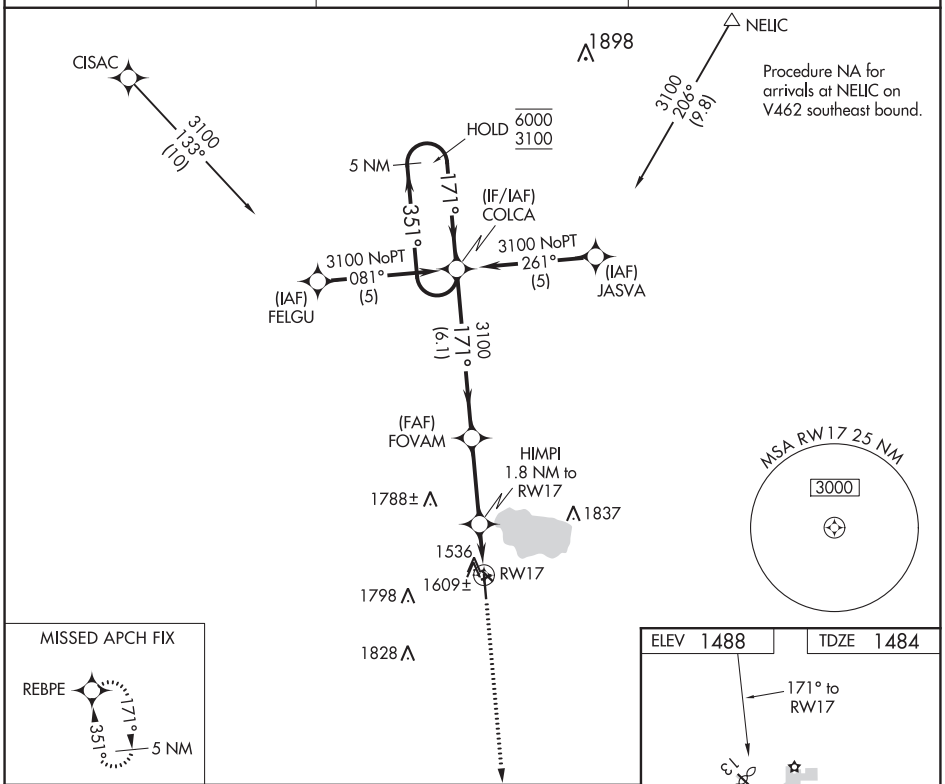
RNAV (GPS) RWY 17
STORM LAKE MUNI (SLB)

RNP APCH

Circling NA to Rwys 6 and 24.
Straight-in Rwy 17 NA at night, Circling Rwy 13, 17 NA at night.

MISSED APPROACH: Climb to 3100 direct REBPE and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
118.525	134.0 288.3	122.7 (CTAF) L



CATEGORY	A	B	C	D
LNAV MDA	1860-1	376 (400-1)	NA	
CIRCLING	1920-1 432 (500-1)	1940-1 452 (500-1)	NA	

REIL Rwys 17 and 35 L
MIRL Rwys 13-31 and 17-35 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

STORM LAKE, IOWA — AL-5338 (FAA) — 21056

RNAV (GPS) RWY 35
STORM LAKE MUNI (SLB)

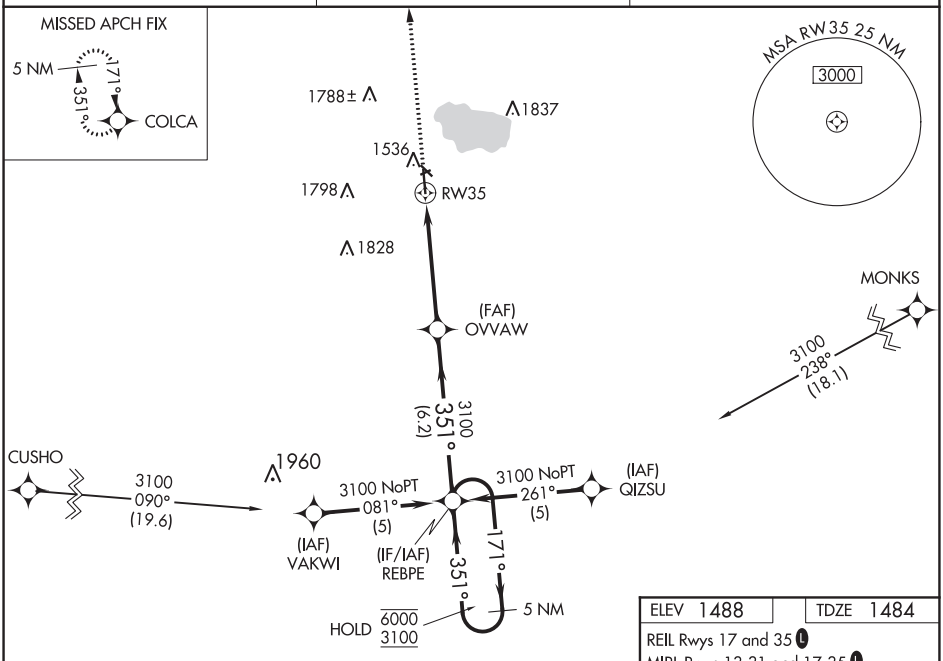
WAAS CH 86600 W35A	APP CRS 351°	Rwy ldg 5002 TDZE 1484 Apt Elev 1488

RNP APCH.

Circling NA to Rwys 6 and 24. Circling Rwy 13, 17 NA at night. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 54°C.

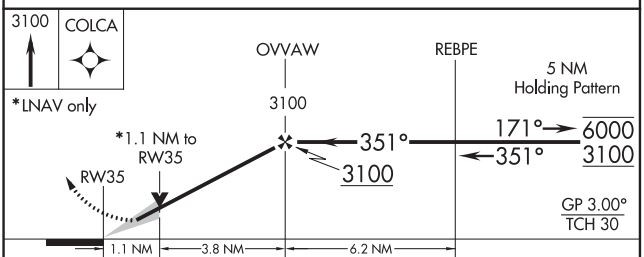
MISSED APPROACH: Climb to 3100 direct COLCA and hold.

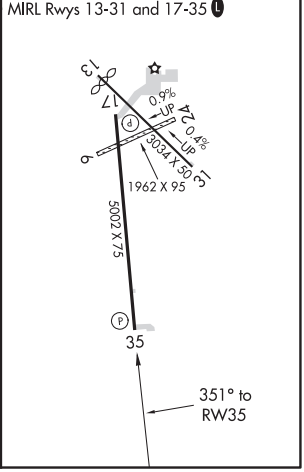
AWOS-3	MINNEAPOLIS CENTER	UNICOM
118.525	134.0 288.3	122.7 (CTAF) L



ELEV 1488	TDZE 1484

REIL Rwys 17 and 35 L
MIRL Rwys 13-31 and 17-35 L





CATEGORY	A	B	C	D
LPV DA	1734-1 250 (300-1)		NA	
LNAV/VNAV DA	1869-1½ 385 (400-1½)		NA	
LNAV MDA	1860-1 376 (400-1)		NA	
CIRCLING	1920-1½ 432 (500-1½)	1940-1½ 452 (500-1½)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 82414 W06A	APP CRS 058°	Rwy ldg 4500 TDZE 933 Apt Elev 933

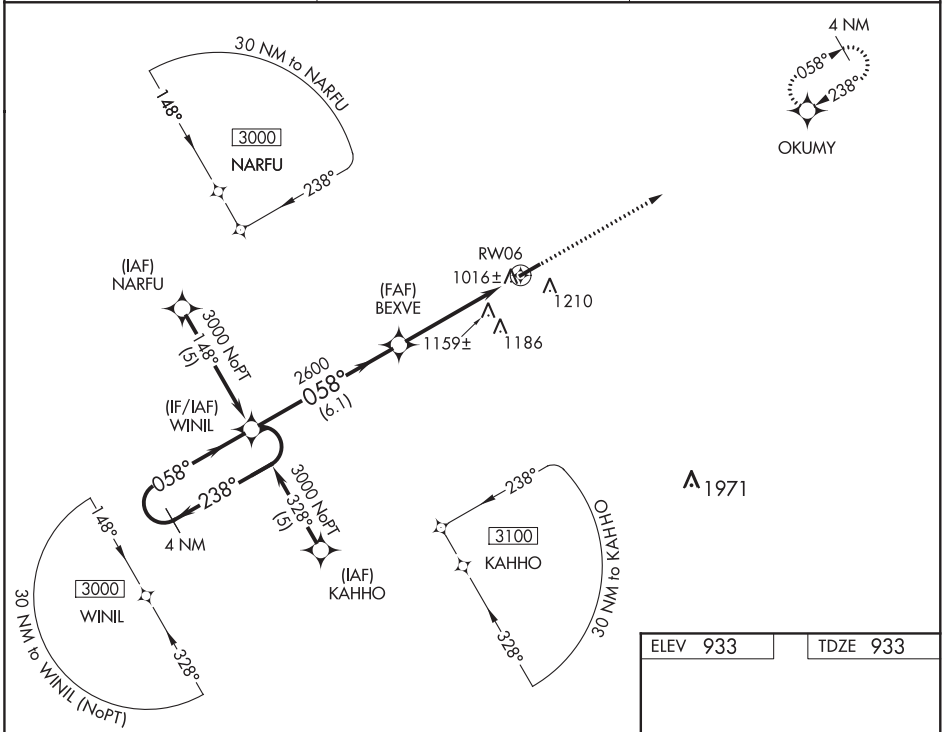
RNAV (GPS) RWY 6
SULLIVAN RGNL (UUV)

Circling to Rwy 24 NA at night. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. Baro-VNAV and VDP NA when using Rolla National altimeter setting. When local altimeter setting not received, use Rolla National altimeter setting and increase all DA 98 feet and all MDA 100 feet, increase LPV Cat A and B visibility ½ mile and LNAV/VNAV Cat A and B visibility ¼ mile.

NA

MISSED APPROACH: Climb to 3000 direct OKUMY and hold.

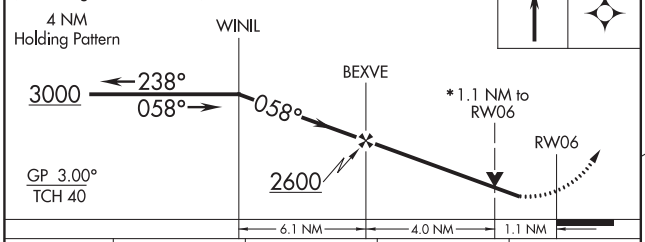
AWOS-3	KANSAS CITY CENTER	UNICOM
119.375	128.35 284.675	122.7 (CTAF) L



VGSI and RNAV glidepath not coincident (VGSI Angle 4.00/TCH 57).

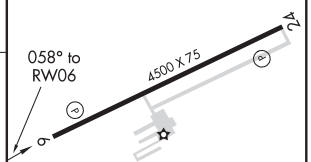
*LNAV only.

3000 OKUMY



CATEGORY	A	B	C	D
LPV DA	1236-1	303 (400-1)	NA	
LNAV/VNAV DA	1488-2	555 (600-2)	NA	
LNAV MDA	1420-1	487 (500-1)	NA	
CIRCLING	1520-1	587 (600-1)	NA	

ELEV 933 TDZE 933



MIRL Rwy 6-24 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

SULLIVAN, MISSOURI | AL-9135 (FAA) | 20310

WAAS CH 72714 W24A	APP CRS 238°	Rwy ldg 4500 TDZE 928 Apt Elev 933

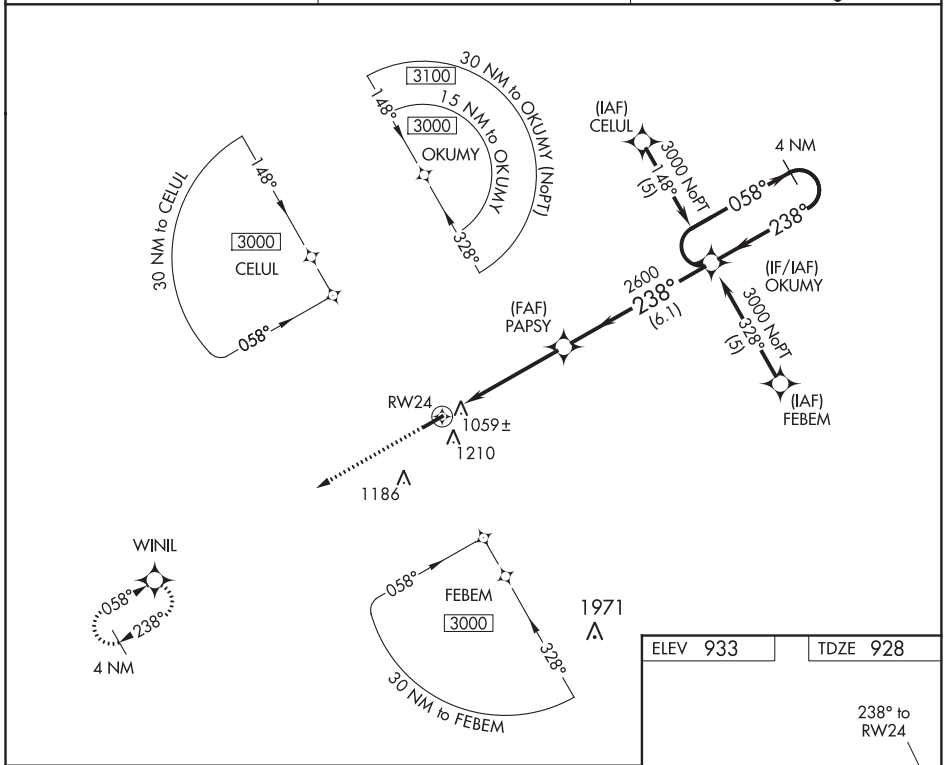
RNAV (GPS) RWY 24
SULLIVAN RGNL (UUV)

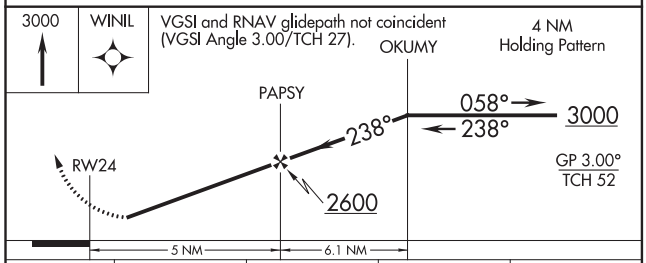
T NA

Straight-in minimums NA at night. Circling to Rwy 24 NA at night. Baro-VNAV NA when using Rolla National altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Rolla National altimeter setting and increase all DA 98 feet and all MDA 100 feet, increase LPV and LNAV/VNAV Cat A and B visibility ¼ mile.

MISSED APPROACH: Climb to 3000 direct WINIL and hold.

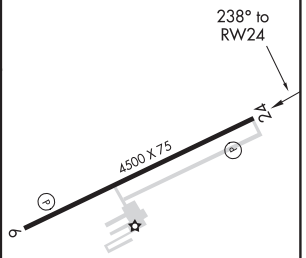
AWOS-3	KANSAS CITY CENTER	UNICOM
119.375	128.35 284.675	122.7 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1178-1	250 (300-1)	NA	
LNAV/VNAV DA	1392-1¾	464 (500-1¾)	NA	
LNAV MDA	1460-1	532 (600-1)	NA	
CIRCLING	1520-1	587 (600-1)	NA	

ELEV 933 | TDZE 928



MIRL Rwy 6-24 L

SULLIVAN, MISSOURI
Orig 27AUG09

38°14′N-91°10′W

SULLIVAN RGNL (UUV)
RNAV (GPS) RWY 24

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 57906 W18A	APP CRS 178°	Rwy ldg 3234 TDZE 913 Apt Elev 913

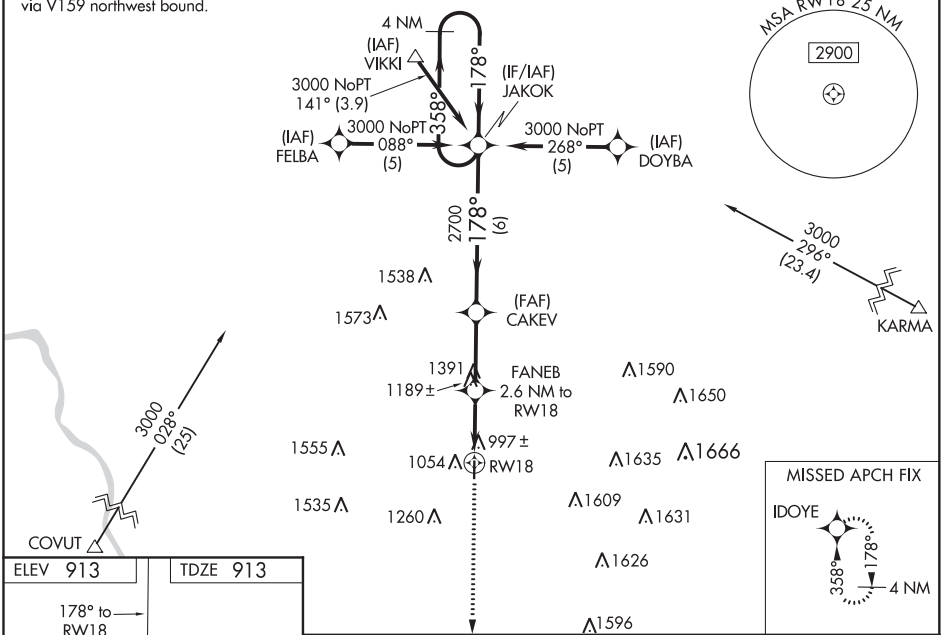
RNAV (GPS) RWY 18
GOULD PETERSON MUNI (K57)

Baro-VNAV NA.
NA Visibility reduction by helicopters NA.
DME/DME RNP-0.3 NA.
Use Shenandoah altimeter setting; if not received, use Clarinda altimeter setting and increase all DAs 13 feet/ MDAs 20 feet, and LNAV Cat C visibility ¼ mile.

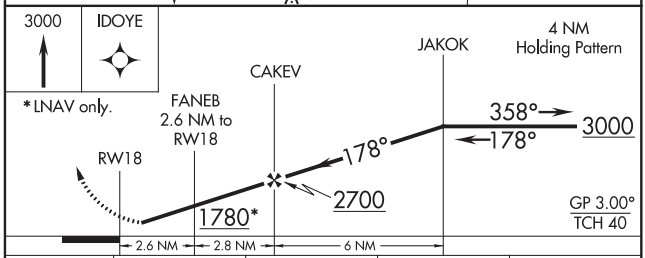
MISSED APPROACH: Climb to 3000 direct IDOYE and hold.

SDA AWOS-3	MINNEAPOLIS CENTER	CTAF
125.525	119.6 290.4	122.9 L

Procedure NA for arrivals at VIKKI via V159 northwest bound.



ELEV 913	TDZE 913



CATEGORY	A	B	C	D
LPV DA	1272-1¼ 359 (400-1¼)			NA
LNAV/VNAV DA	1375-1¾ 462 (500-1¾)			NA
LNAV MDA	1500-1 587 (600-1)		1500-1½ 587 (600-1½)	NA
CIRCLING	1520-1 607 (700-1)	1540-1 627 (700-1)	1540-1¾ 627 (700-1¾)	NA

MIRL Rwy 18-36 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

TARKIO, MISSOURI AL-551 (FAA) 20198

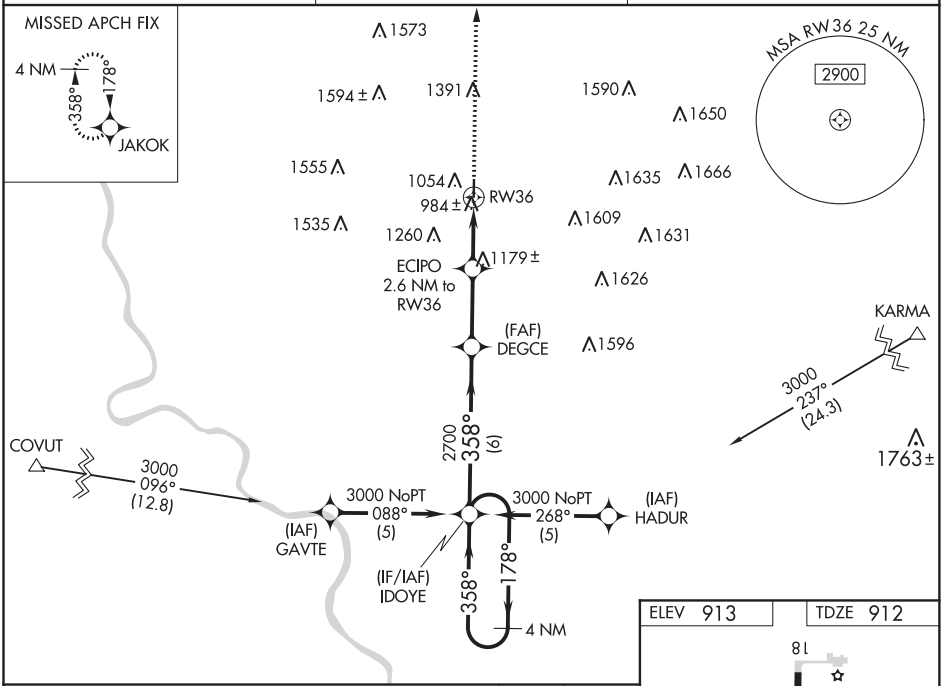
RNAV (GPS) RWY 36
GOULD PETERSON MUNI (K57)

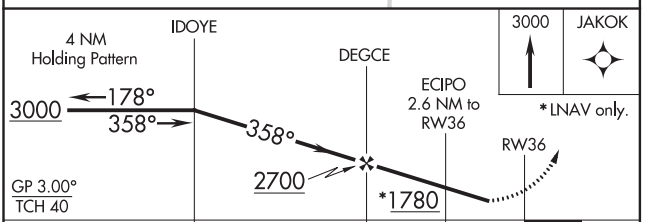
WAAS CH 50206 W36A	APP CRS 358°	Rwy ldg 3564 TDZE 912 Apt Elev 913

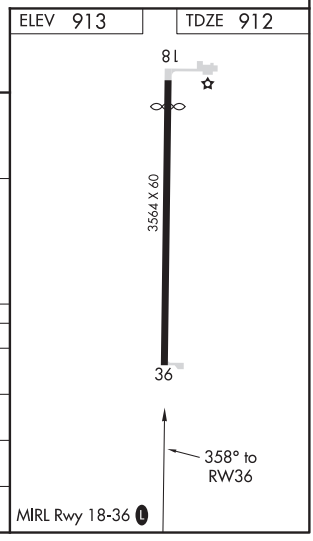
T NA Baro-VNAV NA. Visibility reduction by helicopters NA. DME/DME RNP-0.3 NA. Use Shenandoah altimeter setting; if not received, use Clarinda altimeter setting and increase all DAs 13 feet/MDAs 20 feet, and LNAV/VNAV Cats A/B/C visibility ¼ mile.

MISSED APPROACH: Climb to 3000 direct JAKOK and hold.

SDA AWOS-3	MINNEAPOLIS CENTER	CTAF
125.525	119.6 290.4	122.9 L







CATEGORY	A	B	C	D
LPV DA	1280-1¼ 368 (400-1¼)			NA
LNAV/VNAV DA	1352-1½ 440 (500-1½)			NA
LNAV MDA	1480-1 568 (600-1)		1480-1½ 568 (600-1½)	NA
CIRCLING	1520-1 607 (700-1)	1540-1 627 (700-1)	1540-1¾ 627 (700-1¾)	NA

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

APP CRS	Rwy ldg	3000
108°	TDZE	840
	Apt Elev	840

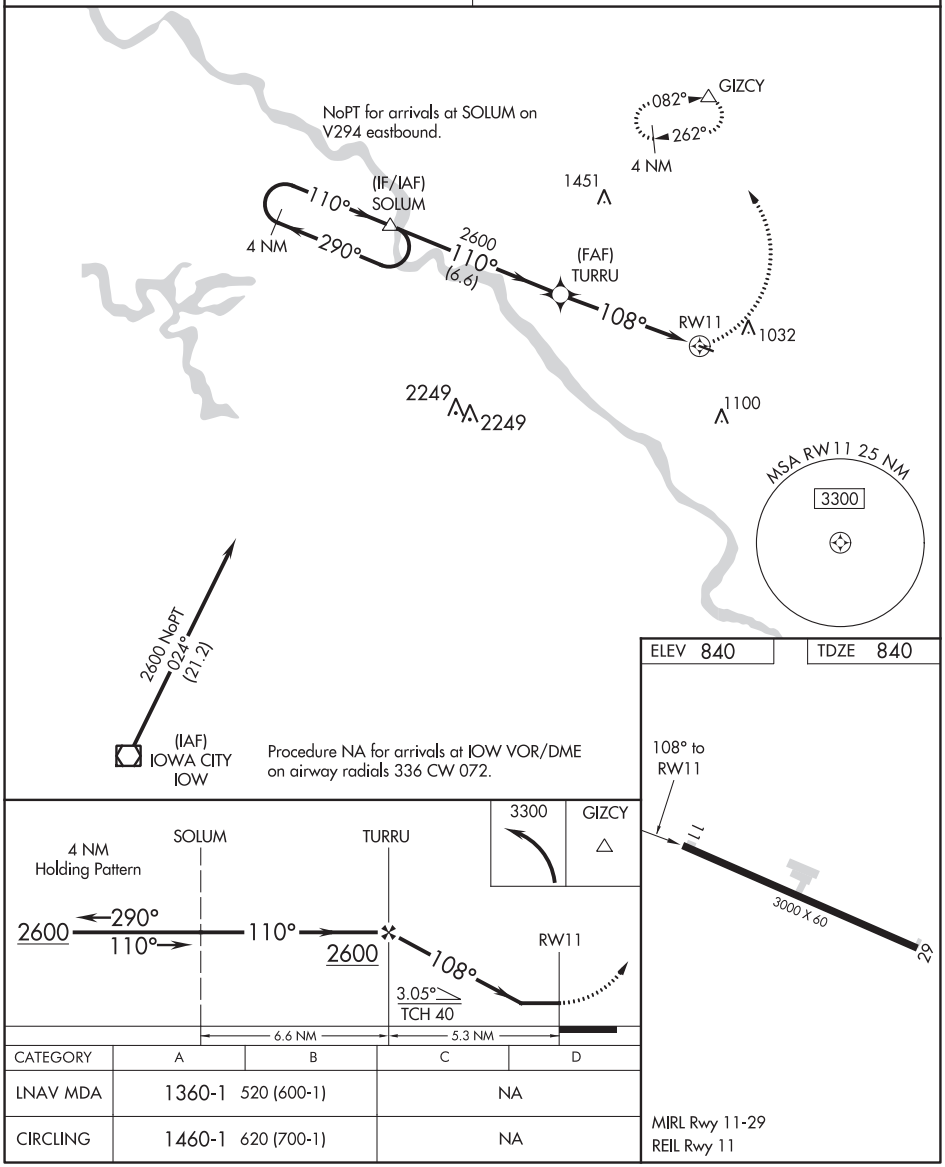
RNAV (GPS) RWY 11
MATHEWS MEMORIAL (8C4)

T A NA

DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. Use Iowa City altimeter setting, when not received use Cedar Rapids altimeter setting.

MISSED APPROACH: Climbing left turn to 3300 direct GIZCY and hold.

CEDAR RAPIDS APP CON ★	CTAF
119.7 266.8	122.9



CATEGORY	A	B	C	D
LNAV MDA	1360-1 520 (600-1)		NA	
CIRCLING	1460-1 620 (700-1)		NA	

MIRL Rwy 11-29
REIL Rwy 11

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

TIPTON, IOWA

AL-6924 (FAA)

16259

VOR RWY 11
MATHEWS MEMORIAL (8C4)

VOR/DME CID	APP CRS	Rwy ldg	3000
114.1	099°	TDZE	840
Chan 88		Apt Elev	840

Use Iowa City altimeter setting, when not received use Cedar Rapids altimeter setting.

NA

MISSED APPROACH: Climb to 3300 then left turn direct CID VOR/DME and hold.

CEDAR RAPIDS APP CON ★
119.7 266.8

CTAF
122.9

Procedure NA for arrival on CID
VOR/DME airway radials 052 CW 156.

IAF
CEDAR RAPIDS
114.1 CID
Chan 88

R-279
099°
279°

3200
099°
(14)

(IF)
AYSHA INT
CID 14

R-099

2500
099°
(10)

JAMMS INT
CID 24

1451

1032

1100

2249

2249

R-012

R-039

116.2 IOW
Chan 109

116.2 IOW
Chan 109

MSA CID 25 NM
4000

ELEV 840

TDZE 840

099° 5.1 NM
from FAF

3000 X 60

11

29

3300

CID

AYSHA INT
CID 14

JAMMS INT
CID 24

3200

099°

CID
29.1

Procedure Turn
NA

2500

2.99°

TCH 40

10 NM

5.1 NM

MIRL Rwy 11-29
REIL Rwy 11

CATEGORY	A	B	C	D
S-11	1400-1 560 (600-1)	1400-1¼ 560 (600-1¼)	NA	
CIRCLING	1460-1 620 (700-1)	1460-1¼ 620 (700-1¼)	NA	

FAF to MAP 5.1 NM					
Knots	60	90	120	150	180
Min:Sec	5:06	3:24	2:33	2:02	1:42

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 99626 W18A	APP CRS 176°	Rwy ldg 3907 TDZE 757 Apt Elev 758

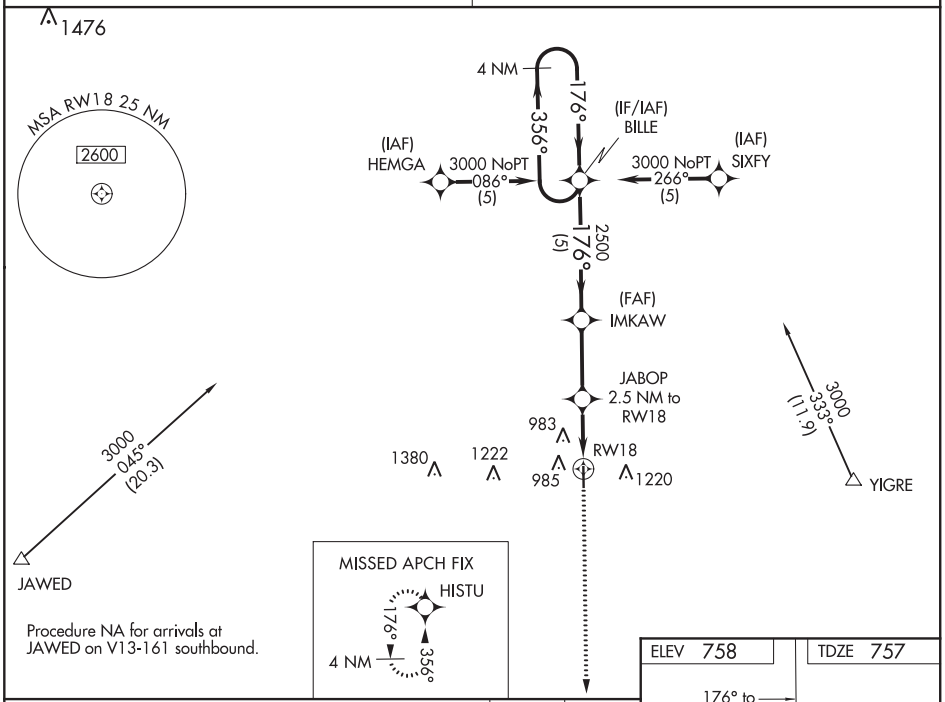
RNAV (GPS) RWY 18
TRENTON MUNI (TRX)

T NA

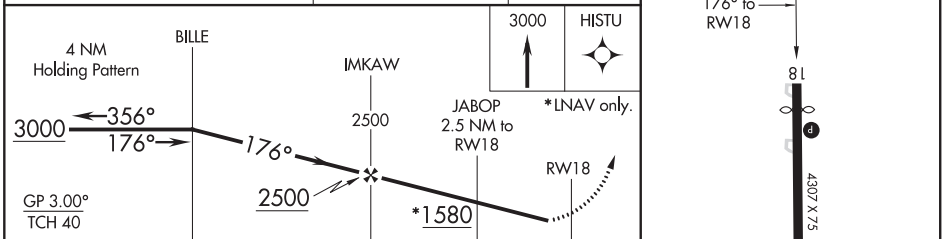
Baro-VNAV NA. Use Chillicothe altimeter setting, when not received, use Kirksville altimeter setting and increase all DA 93 feet and all MDA 100 feet. Increase LPV visibility 3/8 mile all Cats and LNAV/VNAV 1/4 all Cats. DME/DME RNP-0.3 NA. Helicopter visibility reduction below 3/4 SM NA.

MISSED APPROACH: Climb to 3000 direct HISTU and hold.

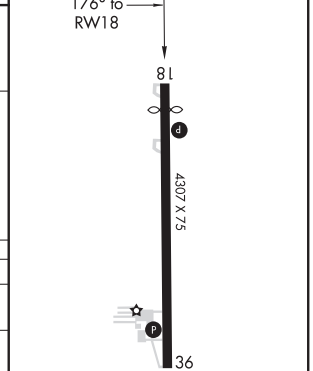
KANSAS CITY CENTER	UNICOM
125.25 235.975	122.8 (CTAF) L



Procedure NA for arrivals at JAWED on V13-161 southbound.



CATEGORY	A	B	C	D
LPV DA	1098-1 1/8 341 (400-1 1/8)		NA	
LNAV/VNAV DA	1248-1 3/4 491 (500-1 3/4)		NA	
LNAV MDA	1180-1 423 (500-1)		NA	
CIRCLING	1340-1 582 (600-1)		NA	



MIRL Rwy 18-36 L
REIL Rwys 18 and 36 L

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

TRENTON, MISSOURI | AL-5454 (FAA) | 19171

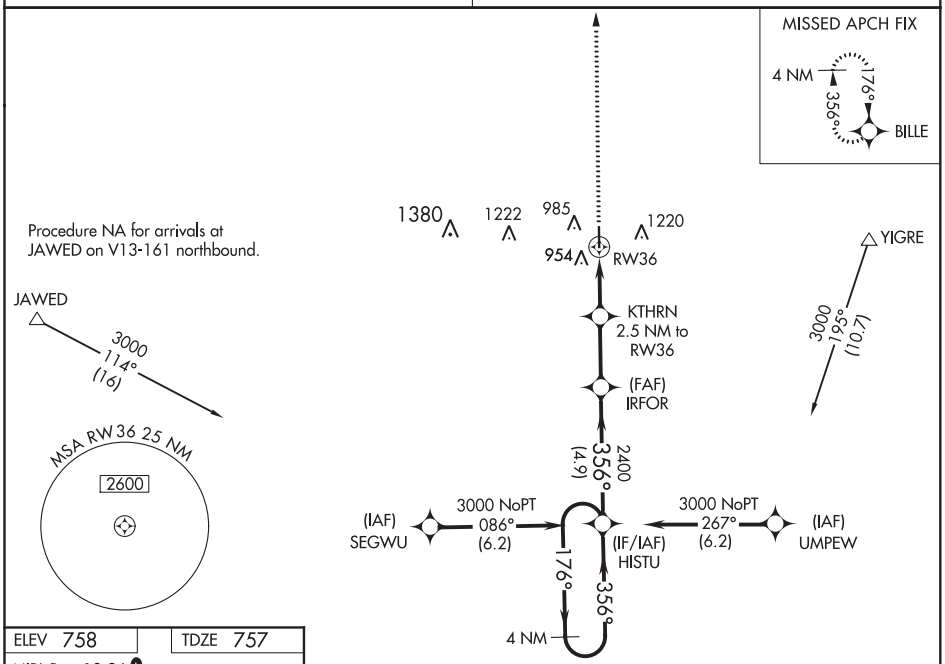
RNAV (GPS) RWY 36
TRENTON MUNI (TRX)

WAAS CH 63126 W36A	APP CRS 356°	Rwy ldg 4307 TDZE 757 Apt Elev 758

When VGSI inop, Circling Rwy 18 NA at night. Baro-VNAV NA. Use Chillicothe altimeter setting. When not received, use Kirksville altimeter setting and increase all DA 93 feet and all MDA 100 feet. Increase LPV visibility ¼ mile all Cats and LNAV/VNAV ⅜ mile all Cats. DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 3000 direct BILLE and hold.

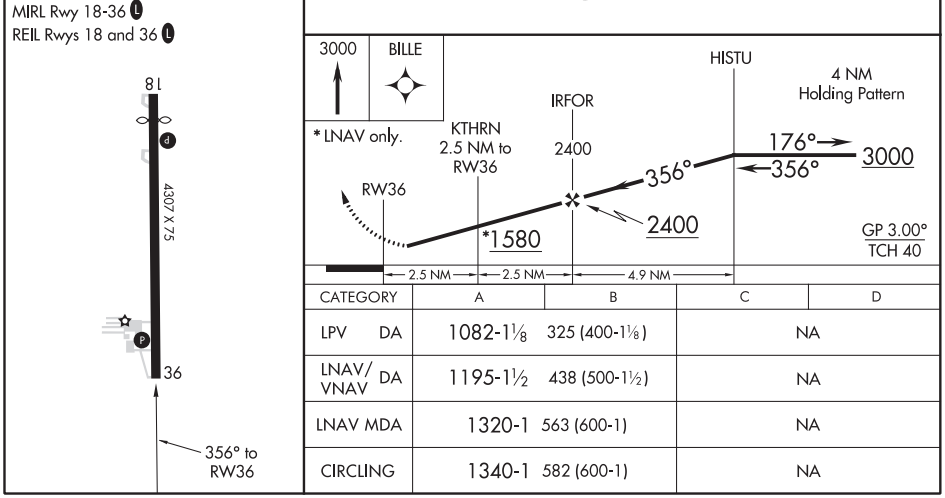
KANSAS CITY CENTER	UNICOM
125.25 235.975	122.8 (CTAF) L



ELEV 758 | TDZE 757

MIRL Rwy 18-36 L

REIL Rwys 18 and 36 L



CATEGORY	A	B	C	D
LPV DA	1082-1⅛ 325 (400-1⅛)		NA	
LNAV/VNAV DA	1195-1½ 438 (500-1½)		NA	
LNAV MDA	1320-1 563 (600-1)		NA	
CIRCLING	1340-1 582 (600-1)		NA	

TRENTON, MISSOURI
Orig-A 05FEB15

40°05′N-93°35′W

TRENTON MUNI (TRX)
RNAV (GPS) RWY 36

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

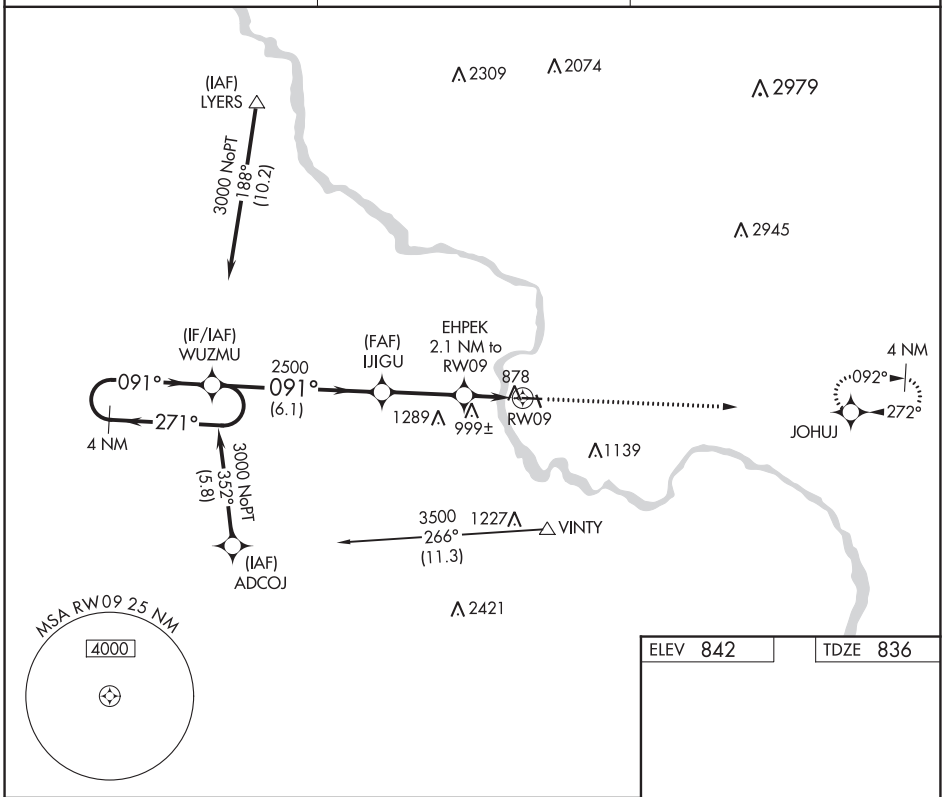
APP CRS	Rwy ldg	4000
091°	TDZE	836
	Apt Elev	842

RNAV (GPS) RWY 9
VINTON VETERANS MEMORIAL AIRPARK (VTI)

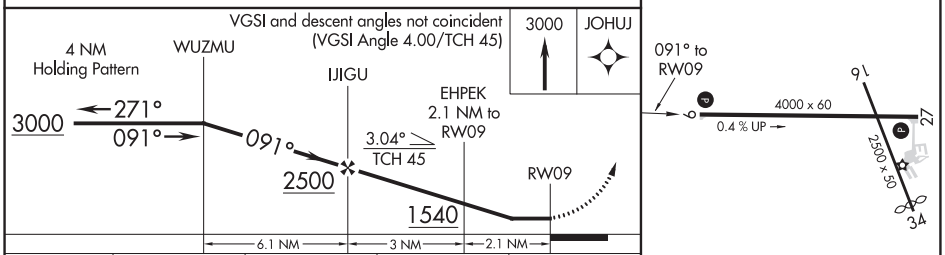
When VGSI inoperative, Straight-in/Circling Rwy 9 procedure NA at night. DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Independence altimeter setting and increase all MDA 60 feet.

MISSED APPROACH: Climb to 3000 direct JOHUJ and hold.

AWOS-3	CEDAR RAPIDS APP CON ★	UNICOM
120.075	134.05 266.8	122.8 (CTAF) L



ELEV 842	TDZE 836



CATEGORY	A	B	C	D
LNAV MDA	1260-1 424 (500-1)		NA	
CIRCLING	1320-1 478 (500-1)		NA	

REIL Rwys 9 and 27 L
MIRL Rwy 9-27 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

VINTON, IOWA | AL-6691 (FAA) | 18144

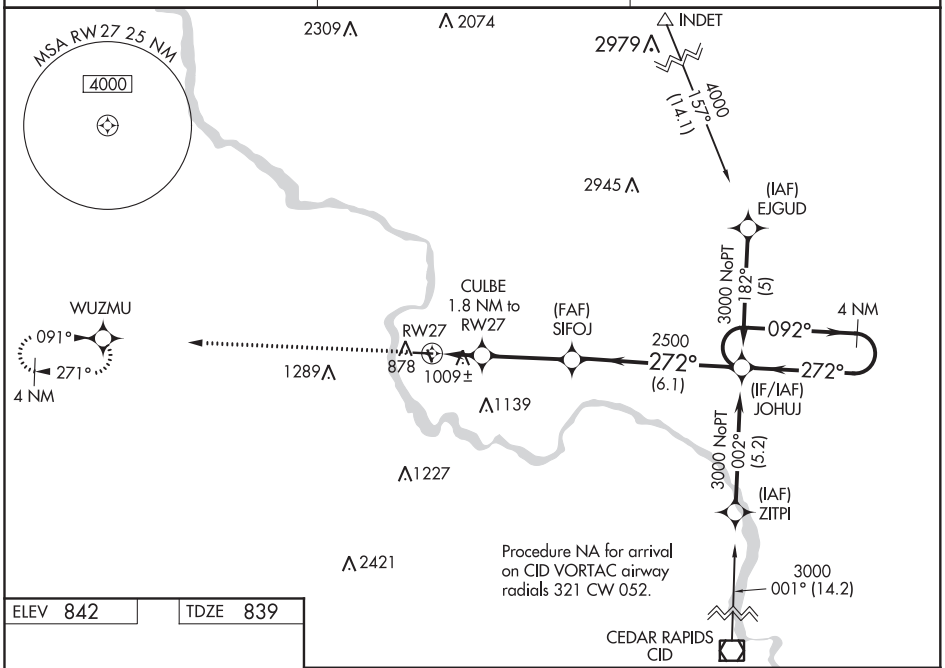
WAAS CH 62917 W27A	APP CRS 272°	Rwy ldg 4000 TDZE 839 Apt Elev 842

RNAV (GPS) RWY 27
VINTON VETERANS MEMORIAL AIRPARK (VTI)

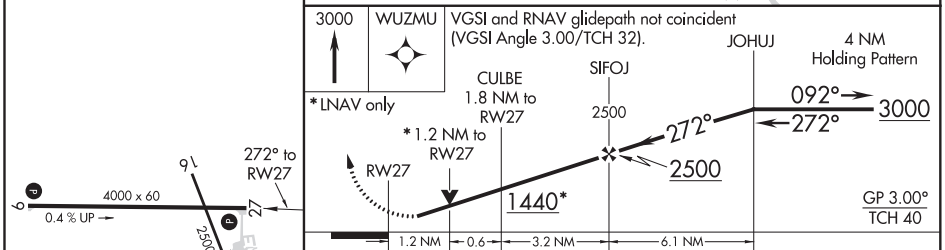
When VGSI inoperative, Circling Rwy 9 NA at night. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Independence altimeter setting and increase all DA 54 feet and all MDA 60 feet, and increase LNAV/VNAV all Cats visibility ¼ mile. Baro-VNAV and VDP NA when using Independence altimeter setting.

MISSED APPROACH: Climb to 3000 direct WUZMU and hold.

AWOS-3	CEDAR RAPIDS APP CON ★	UNICOM
120.075	134.05 266.8	122.8 (CTAF) L



ELEV 842 | TDZE 839



CATEGORY	A	B	C	D
LPV DA	1089-1 250 (300-1)		NA	
LNAV/VNAV DA	1323-1¾ 484 (500-1¾)		NA	
LNAV MDA	1260-1 421 (500-1)		NA	
CIRCLING	1320-1 478 (500-1)		NA	

REIL Rwys 9 and 27 L
MIRL Rwy 9-27 L

NC-3, 25 FEB 2021 to 22 APR 2021

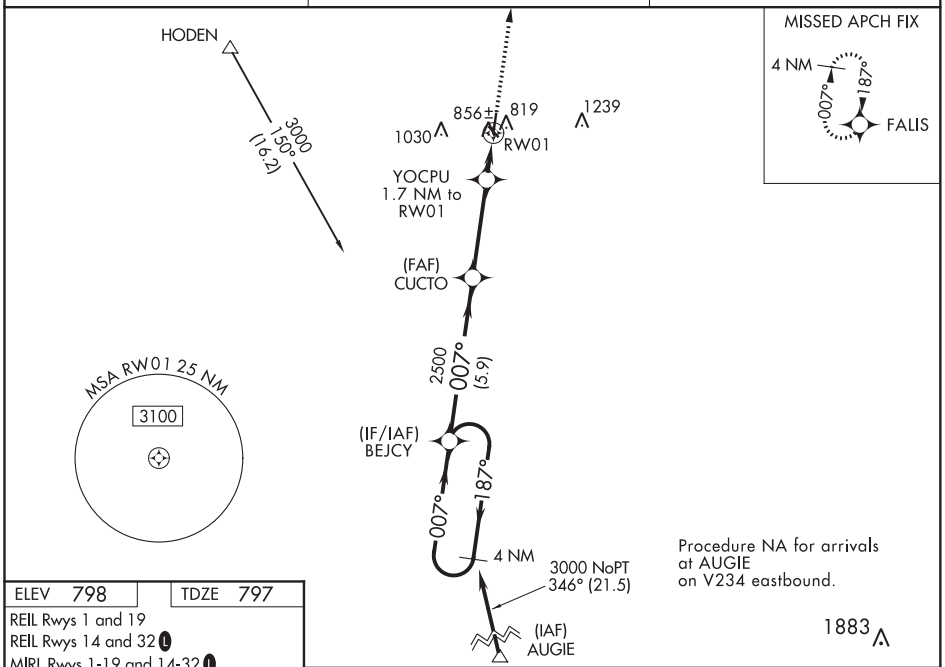
WAAS CH 65903 W01A	APP CRS 007°	Rwy ldg 4206 TDZE 797 Apt Elev 798

RNAV (GPS) RWY 1
SKYHAVEN (RCM)

Baro-VNAV NA when using Whiteman AFB altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Helicopter visibility reduction below ¾ SM NA. When local altimeter setting not received, use Whiteman AFB altimeter setting and increase all DA 39 feet and all MDA 40 feet; increase LNAV/VNAV all Cats and LNAV Cat C visibility ⅛ mile, and increase Cat C Circling visibility ¼ mile.

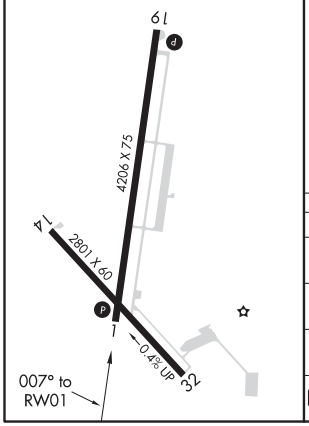
MISSED APPROACH: Climb to 3000 direct FALIS and hold.

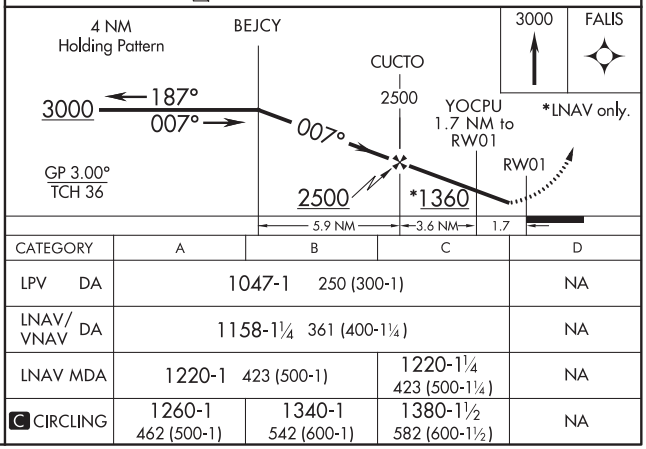
AWOS-3	WHITEMAN APP CON *	UNICOM
119.575	127.45 284.0	123.0 (CTAF) L



ELEV 798 | TDZE 797

REIL Rwys 1 and 19
REIL Rwys 14 and 32 L
MIRL Rwys 1-19 and 14-32 L





CATEGORY	A	B	C	D
LPV DA	1047-1 250 (300-1)			NA
LNAV/VNAV DA	1158-1¼ 361 (400-1¼)			NA
LNAV MDA	1220-1 423 (500-1)		1220-1¼ 423 (500-1¼)	NA
C CIRCLING	1260-1 462 (500-1)	1340-1 542 (600-1)	1380-1½ 582 (600-1½)	NA

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

WARRENSBURG, MISSOURI

AL-6484 (FAA)

20142

RNAV (GPS) RWY 19

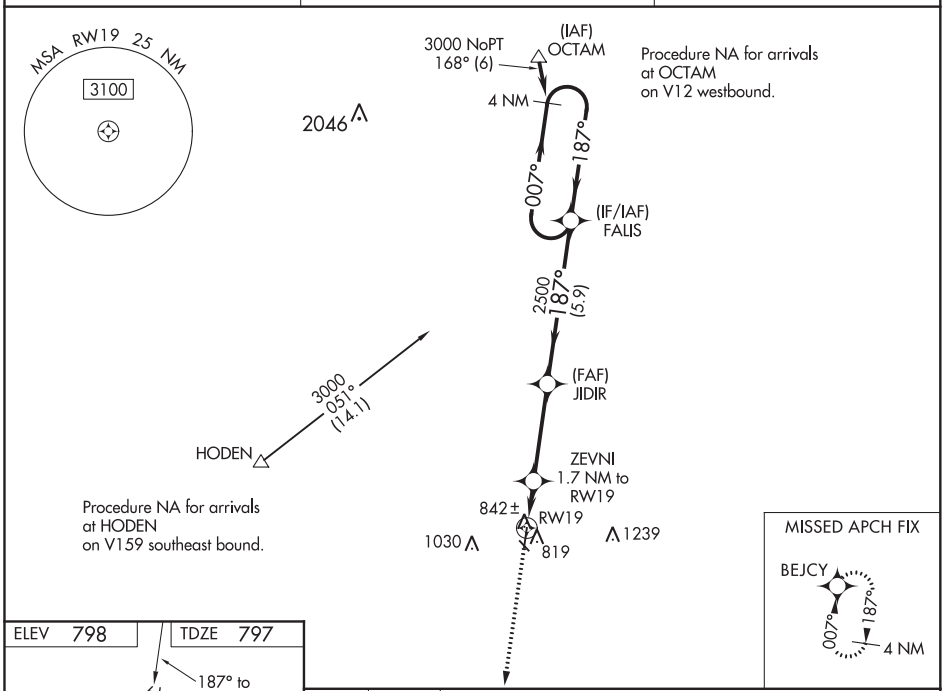
SKYHAVEN (RCM)

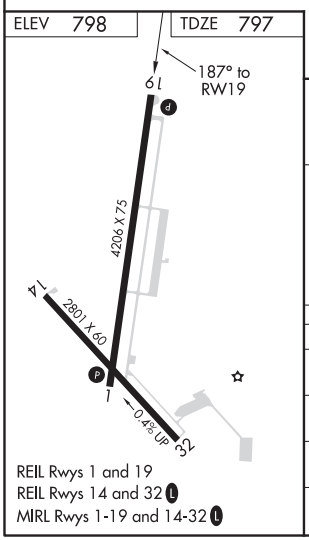
WAAS CH 45803 W19A	APP CRS 187°	Rwy ldg 4206 TDZE 797 Apt Elev 798

Baro-VNAV NA when using Whiteman AFB altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Whiteman AFB altimeter setting and increase all DA 39 feet and all MDA 40 feet; increase LNAV/VNAV all Cats visibility ⅛ mile, and increase Cat C Circling visibility ¼ mile.

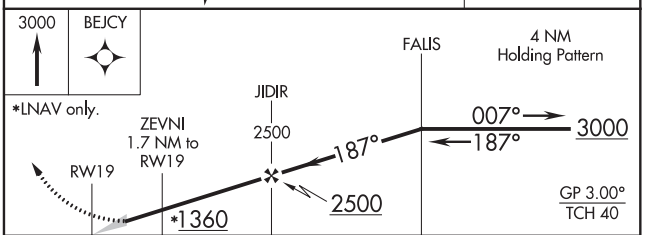
MISSED APPROACH: Climb to 3000 direct BEJCY and hold.

AWOS-3	WHITEMAN APP CON ★	UNICOM
119.575	127.45 284.0	123.0 (CTAF) L





REIL Rwys 1 and 19
REIL Rwys 14 and 32 L
MIRL Rwys 1-19 and 14-32 L



CATEGORY	A	B	C	D
LPV DA	1047-1 250 (300-1)			NA
LNAV/VNAV DA	1102-1 305 (400-1)			NA
LNAV MDA	1240-1 443 (500-1)		1240-1⅜ 443 (500-1⅜)	NA
C CIRCLING	1260-1 462 (500-1)	1340-1 542 (600-1)	1380-1½ 582 (600-1½)	NA

NC-3, 25 FEB 2021 to 22 APR 2021

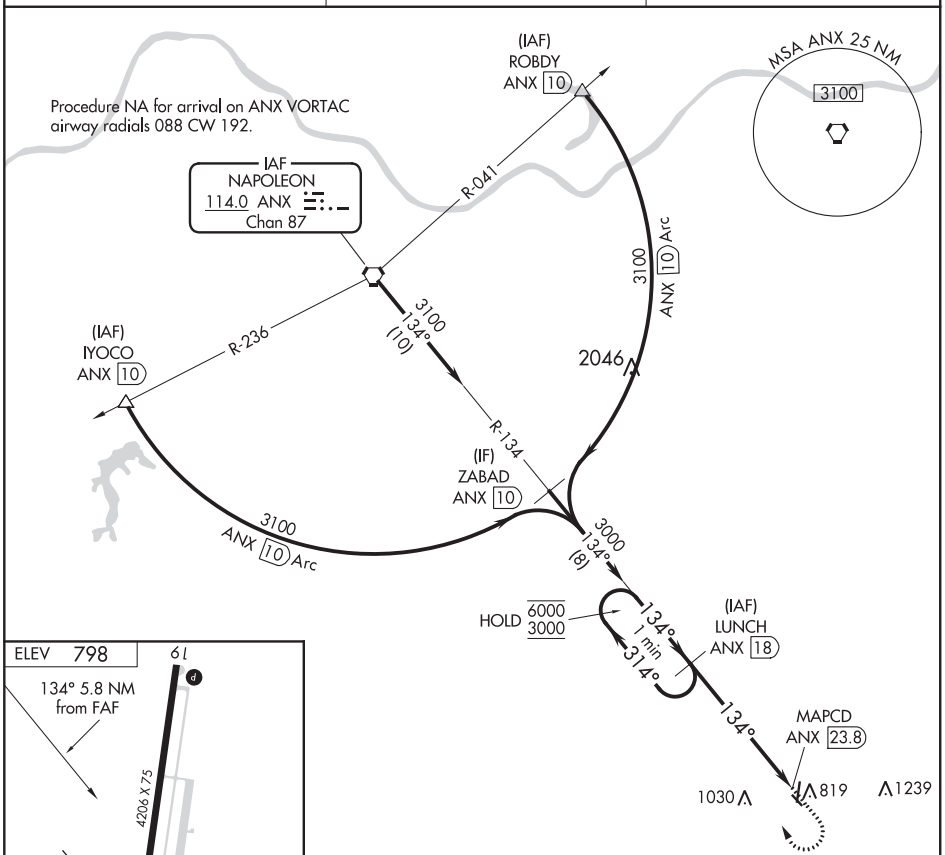
VORTAC ANX 114.0 Chan 87	APP CRS 134°	Rwy ldg N/A TDZE N/A Apt Elev 798

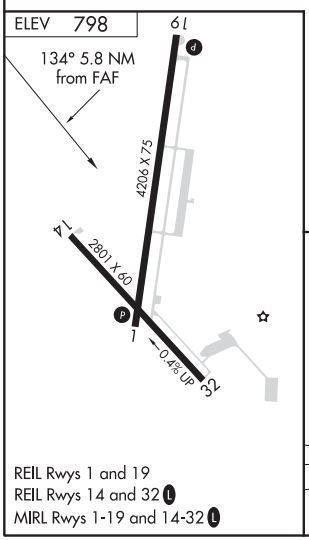
VOR-A
SKYHAVEN (RCM)

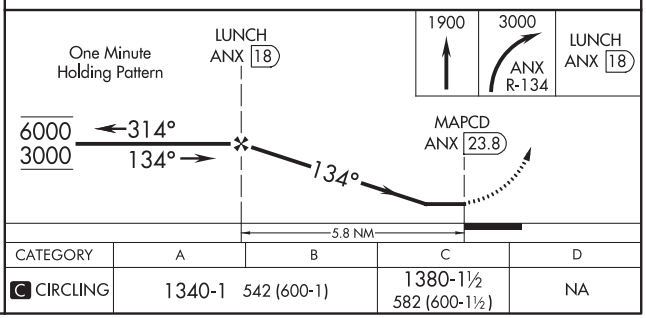
DME required.

MISSED APPROACH: Climb to 1900 then climbing right turn to 3000 on ANX VORTAC R-134 to LUNCH/18 DME and hold.

AWOS-3	WHITEMAN APP CON *	UNICOM
119.575	127.45 284.0	123.0 (CTAF) L







REIL Rwys 1 and 19
REIL Rwys 14 and 32 L
MIRL Rwys 1-19 and 14-32 L

CATEGORY	A	B	C	D
C CIRCLING	1340-1	542 (600-1)	1380-1½ 582 (600-1½)	NA

NC-3, 25 FEB 2021 to 22 APR 2021

WARSAW, MISSOURI AL-10413 (FAA) 19283

WAAS CH 97735 W18A	APP CRS 182°	Rwy ldg 4000 TDZE 936 Apt Elev 936

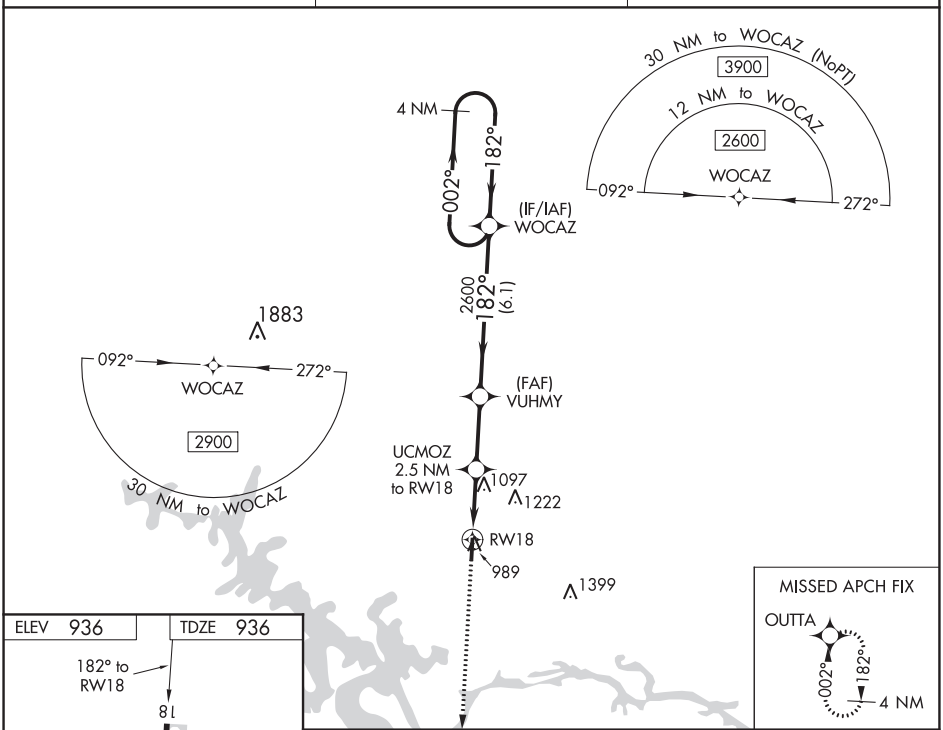
RNAV (GPS) RWY 18
WARSAW MUNI (RAW)

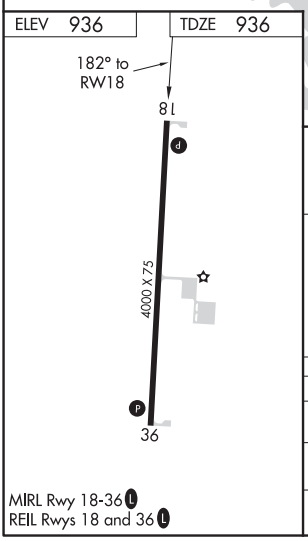
T A NA

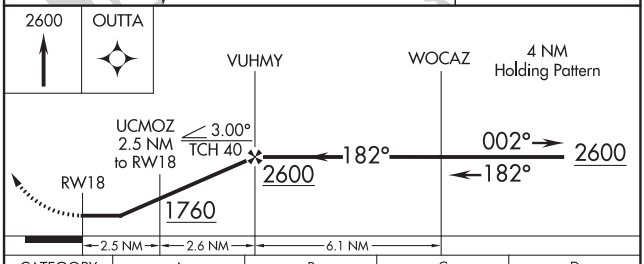
DME/DME RNP-0.3 NA. Helicopter visibility reduction below 1 SM NA. When local altimeter setting not received, use Clinton altimeter setting and increase all MDA 60 feet. Increase LP/LNAV Cat C/D visibility to 1⅜ mile, and Circling Cat C/D visibility ¼ mile.

MISSED APPROACH: Climb to 2600 direct OUTTA and hold.

AWOS-3	WHITEMAN APP CON ★	CTAF
118.325	127.45 284.0	122.9 L







CATEGORY	A	B	C	D
LP MDA	1320-1	384 (400-1)	1320-1⅛	384 (400-1⅛)
LNAV MDA	1360-1	424 (500-1)	1360-1¼	424 (500-1¼)
C CIRCLING	1360-1 424 (500-1)	1400-1 464 (500-1)	1580-1¾ 644 (700-1¾)	1580-2 644 (700-2)

MIRL Rwy 18-36 L
REIL Rwys 18 and 36 L

NC-3, 25 FEB 2021 to 22 APR 2021

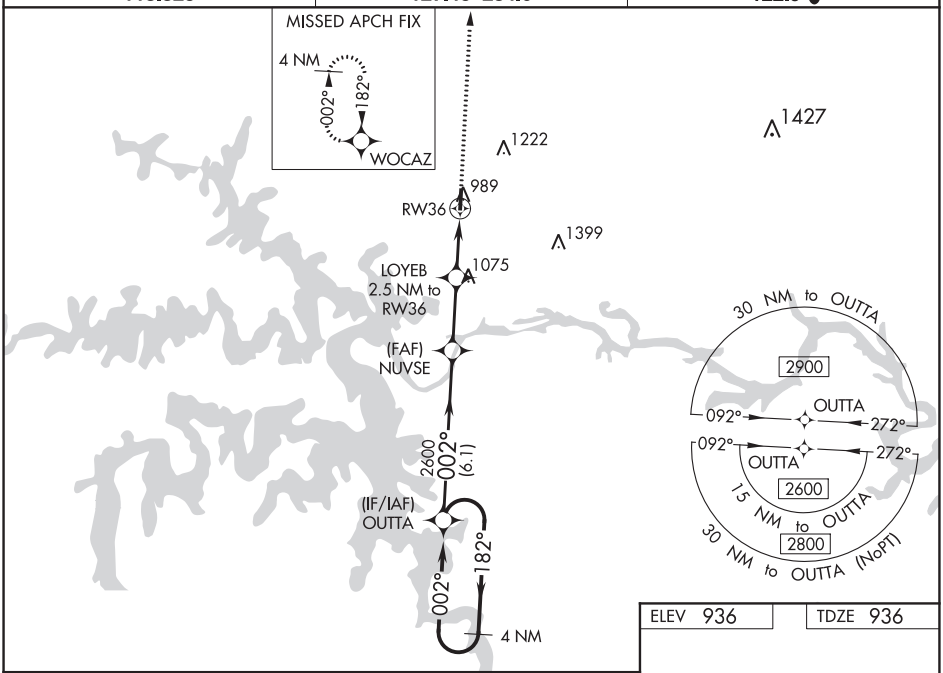
WAAS CH 56635 W36A	APP CRS 002°	Rwy ldg 4000 TDZE 936 Apt Elev 936

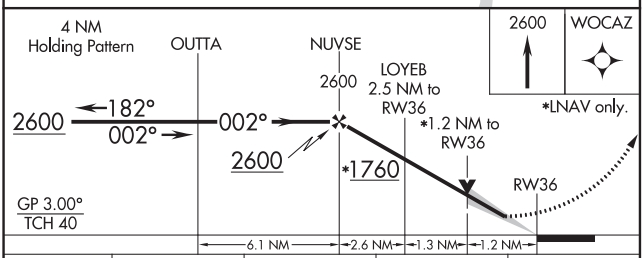
RNAV (GPS) RWY 36
WARSAW MUNI (RAW)

T A NA Baro-VNAV and VDP NA when using Clinton altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Helicopter visibility reduction below 1 SM NA. When local altimeter not received, use Clinton altimeter setting and increase all DA 53 feet and all MDA 60 feet. Increase LNAV/VNAV all Cats visibility to 1⅛ mile, LNAV Cats C/D visibility to 1⅜ mile and Circling Cat C visibility to 2 and Cat D visibility to 2¼ mile.

MISSED APPROACH: Climb to 2600 direct WOCAZ and hold.

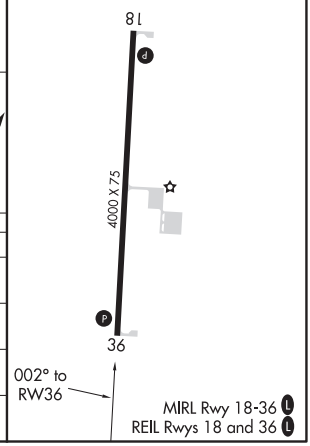
AWOS-3	WHITEMAN APP CON ★	CTAF
118.325	127.45 284.0	122.9 L





CATEGORY	A	B	C	D
LPV DA	1136-1 200 (200-1)			
LNAV/VNAV DA	1215-1 279 (300-1)			
LNAV MDA	1340-1 404 (500-1)		1340-1⅛ 404 (500-1⅛)	
C CIRCLING	1340-1 404 (500-1)	1400-1 464 (500-1)	1580-1¾ 644 (700-1¾)	1580-2 644 (700-2)

ELEV 936 TDZE 936



NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WASHINGTON, IOWA

AL-6289 (FAA)

20198

RNAV (GPS) RWY 13
WASHINGTON MUNI (AWG)

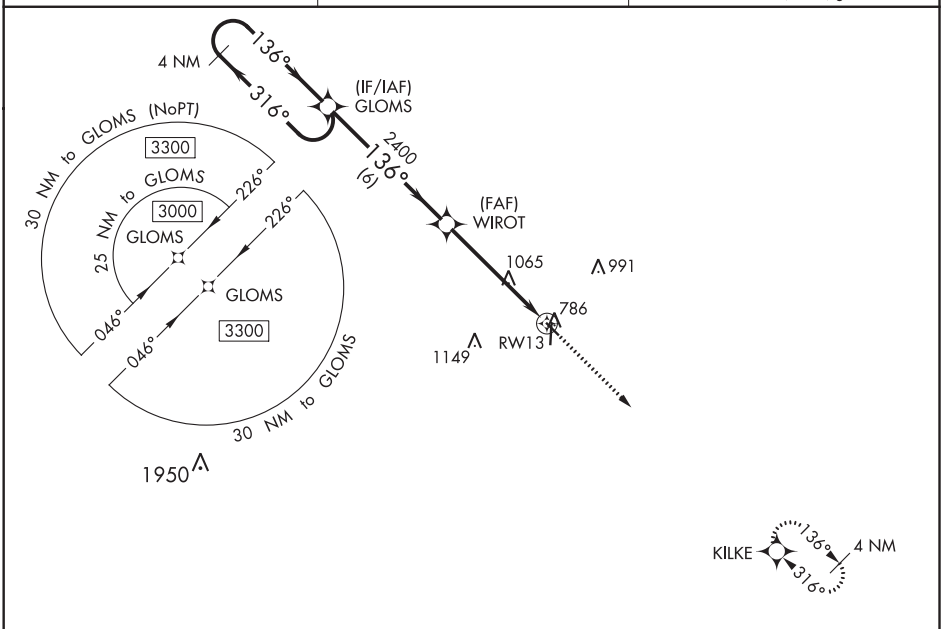
WAAS CH 63138 W13A	APP CRS 136°	Rwy ldg 3401 TDZE 754 Apt Elev 754

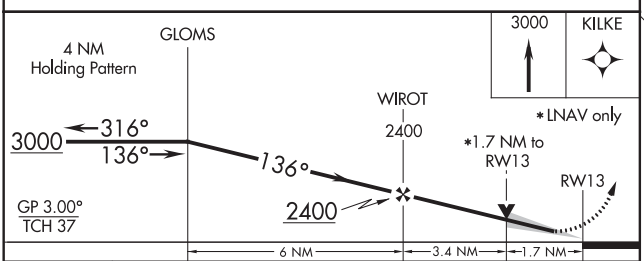
RNP APCH.

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -6°C (22°F) or above 54°C (130°F). Baro-VNAV and VDP NA when using Iowa City altimeter setting. When local altimeter setting not received, use Iowa City altimeter setting: increase LPV DA to 1066 feet, LNAV/VNAV DA to 1282 feet; increase all MDAs 80 feet and visibility LNAV and Circling Cat C ¼ SM.

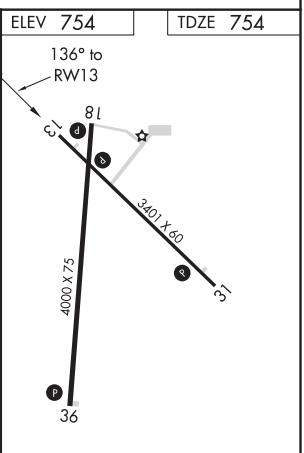
MISSED APPROACH: Climb to 3000 direct KILKE and hold.

AWOS-3	CHICAGO CENTER	UNICOM
127.825	135.6 370.95	122.7 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1004-1 250 (300-1)			NA
LNAV/VNAV DA	1220-1⅝ 466 (500-1⅝)			NA
LNAV MDA	1320-1 566 (600-1)		1320-1⅝ 566 (600-1⅝)	NA
C CIRCLING	1320-1 566 (600-1)		1500-2¼ 746 (800-2¼)	NA



MIRL Rwys 13-31 and 18-36 L
REIL Rwys 13, 31, 18 and 36 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 45816 W18A	APP CRS 184°	Rwy ldg 4000 TDZE 752 Apt Elev 754

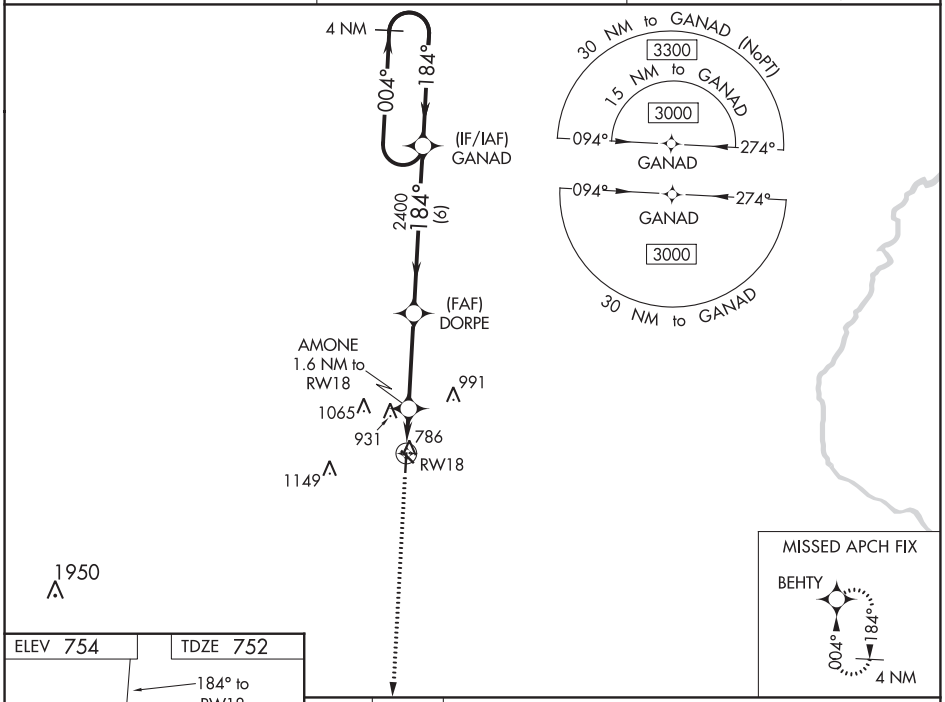
RNAV (GPS) RWY 18
WASHINGTON MUNI (AWG)

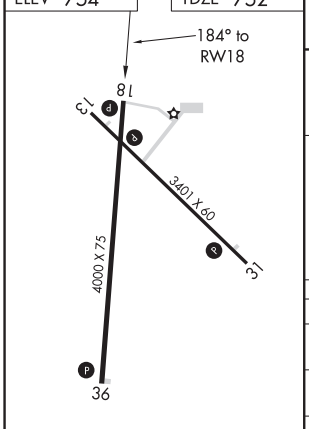
RNP APCH.

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -6°C (22°F) or above 54°C (130°F).
Baro-VNAV NA when using Iowa City altimeter setting. When local altimeter setting not received, use Iowa City altimeter setting: increase LPV DA to 1064 feet, LNAV/VNAV DA to 1116 feet; increase all MDAs 80 feet and visibility LNAV and Circling Cat C ¼ SM.

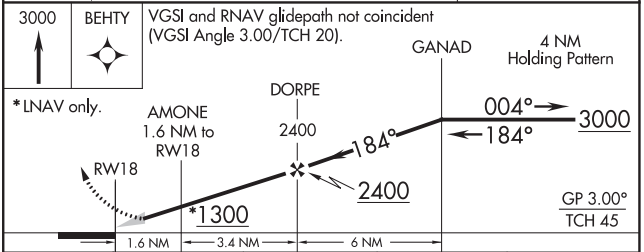
MISSED APPROACH: Climb to 3000 direct BEHTY and hold.

AWOS-3	CHICAGO CENTER	UNICOM
127.825	135.6 370.95	122.7 (CTAF) L





MIRL Rwys 13-31 and 18-36 L
REIL Rwys 13, 31, 18 and 36 L



CATEGORY	A	B	C	D
LPV DA	1002-1 250 (300-1)			NA
LNAV/VNAV DA	1054-1 302 (300-1)			NA
LNAV MDA	1160-1 408 (500-1)		1160-1⅛ 408 (500-1⅛)	NA
C CIRCLING	1200-1 446 (500-1)	1260-1 506 (600-1)	1500-2¼ 746 (800-2¼)	NA

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

WASHINGTON, IOWA

AL-6289 (FAA)

20198

RNAV (GPS) RWY 31
WASHINGTON MUNI (AWG)

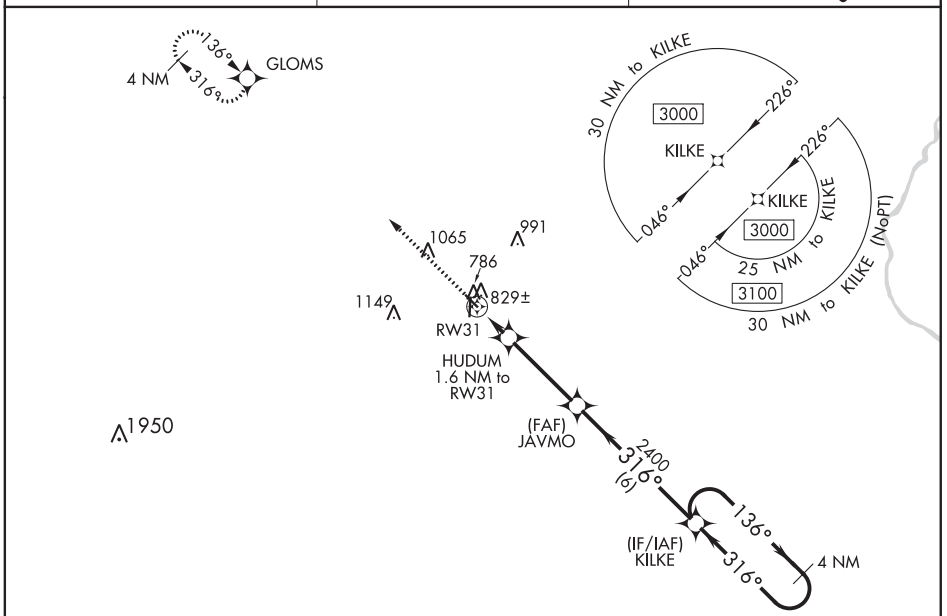
WAAS CH 90538 W31A	APP CRS 316°	Rwy ldg 3401 TDZE 754 Apt Elev 754

RNP APCH.

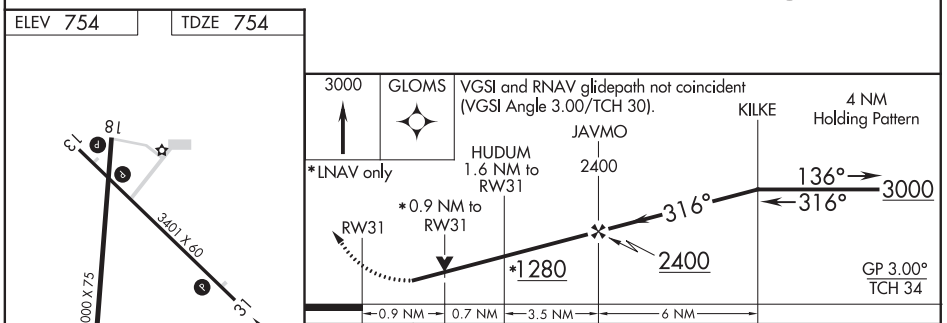
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -6°C (22°F) or above 54°C (130°F). Rwy 31 helicopter visibility reduction below ¾ SM NA. Baro-VNAV and VDP NA when using Iowa City altimeter setting. When local altimeter setting not received, use Iowa City altimeter setting: increase LPV and LNAV/VNAV DA to 1066 feet; increase all MDAs 80 feet and visibility LNAV Cat C ⅛ SM and Circling Cat C ¼ SM.

MISSED APPROACH: Climb to 3000 direct GLOMS and hold.

AWOS-3	CHICAGO CENTER	UNICOM
127.825	135.6 370.95	122.7 (CTAF) L



ELEV 754 TDZE 754



CATEGORY		A	B	C	D
LPV	DA	1004-1 250 (300-1)			NA
LNAV/VNAV	DA	1004-1 250 (300-1)			NA
LNAV	MDA	1080-1 326 (400-1)			NA
C CIRCLING		1200-1 446 (500-1)	1260-1 506 (600-1)	1500-2¼ 746 (800-2¼)	NA

MIRL Rwys 13-31 and 18-36 L
REIL Rwys 13, 31, 18 and 36 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

RNAV (GPS) RWY 36
WASHINGTON MUNI (AWG)

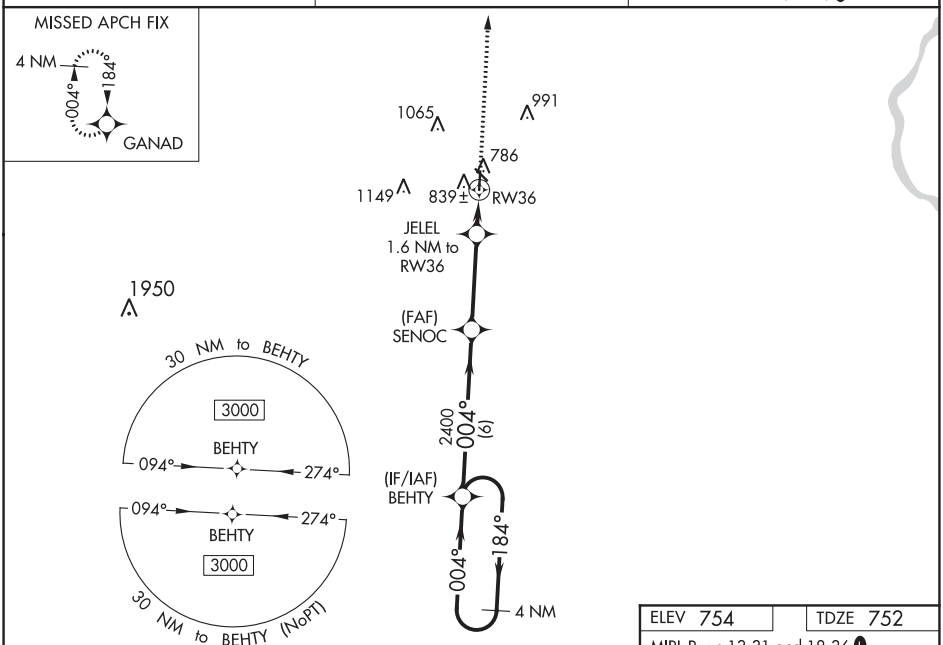
WAAS CH 90416 W36A	APP CRS 004°	Rwy ldg 4000 TDZE 752 Apt Elev 754

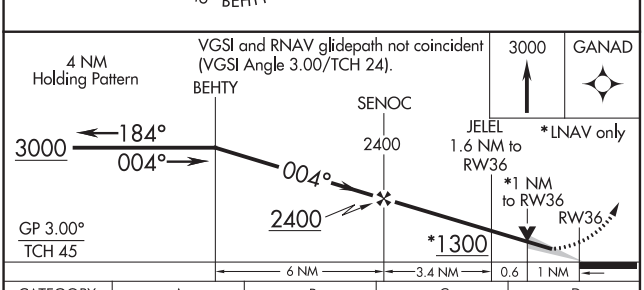
RNP APCH.

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -6°C (22°F) or above 54°C (130°F). Baro-VNAV and VDP NA when using Iowa City altimeter setting. When local altimeter setting not received, use Iowa City altimeter setting: increase LPV DA to 1064 feet and LNAV/VNAV DA to 1072 feet; increase all MDAs 80 feet and visibility LNAV and Circling Cat C ¼ SM.

MISSED APPROACH: Climb to 3000 direct GANAD and hold.

AWOS-3	CHICAGO CENTER	UNICOM
127.825	135.6 370.95	122.7 (CTAF) L

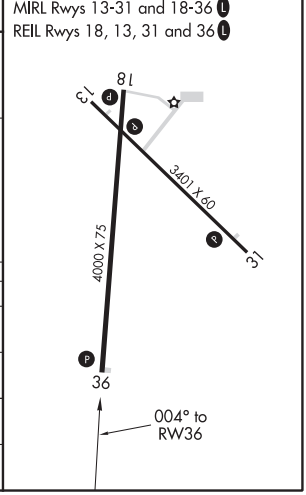




CATEGORY	A	B	C	D
LPV DA	1002-1 250 (300-1)			NA
LNAV/VNAV DA	1010-1 258 (300-1)			NA
LNAV MDA	1100-1 348 (400-1)			NA
C CIRCLING	1200-1 446 (500-1)	1260-1 506 (600-1)	1500-2¼ 746 (800-2¼)	NA

ELEV 754	TDZE 752

MIRL Rwys 13-31 and 18-36 L
REIL Rwys 18, 13, 31 and 36 L



WASHINGTON, IOWA | AL-6289 (FAA) | 20198

VOR RWY 36
WASHINGTON MUNI (AWG)

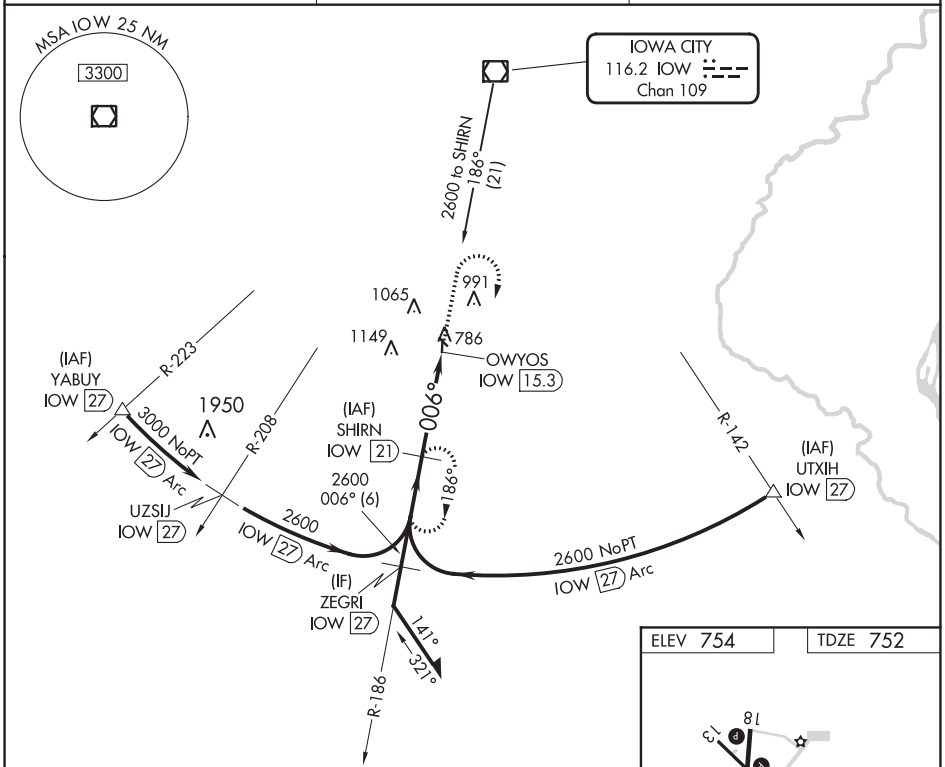
VOR/DME IOW 116.2 Chan 109	APP CRS 006°	Rwy ldg 4000 TDZE 752 Apt Elev 754

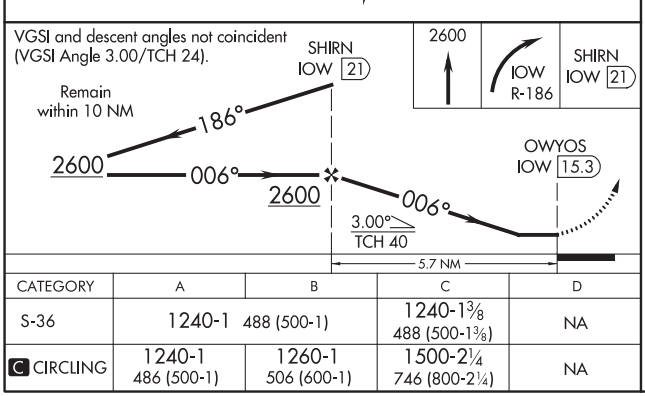
DME Required.

When local altimeter setting not received, use Iowa City altimeter setting and increase all MDAs 80 feet and visibility S-36 Cat C and Circling Cat C ¼ SM.

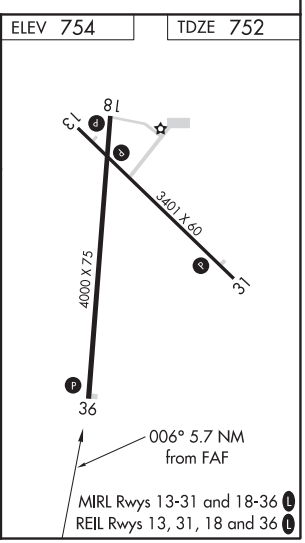
MISSED APPROACH: Climb to 2600 then right turn on IOW VOR/DME R-186 to SHIRN/21 DME and hold.

AWOS-3	CHICAGO CENTER	UNICOM
127.825	135.6 370.95	122.7 (CTAF) L





CATEGORY	A	B	C	D
S-36	1240-1 488 (500-1)		1240-1⅜ 488 (500-1⅜)	NA
C CIRCLING	1240-1 486 (500-1)	1260-1 506 (600-1)	1500-2¼ 746 (800-2¼)	NA



NC-3, 25 FEB 2021 to 22 APR 2021

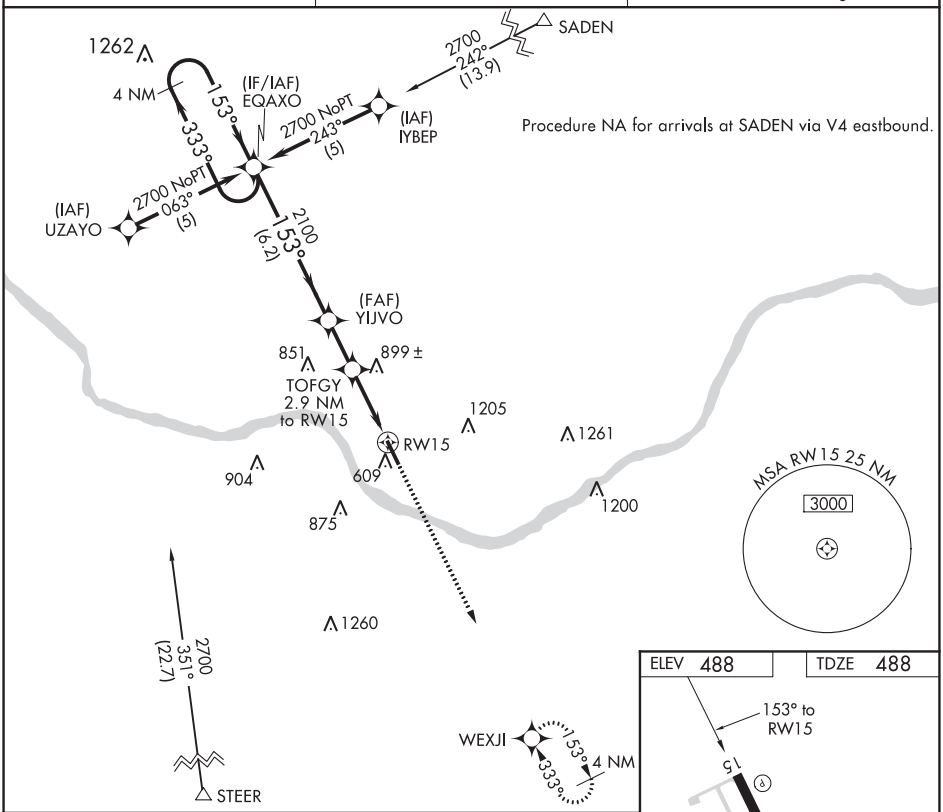
APP CRS	Rwy ldg	5002
153°	TDZE	488
	Apt Elev	488

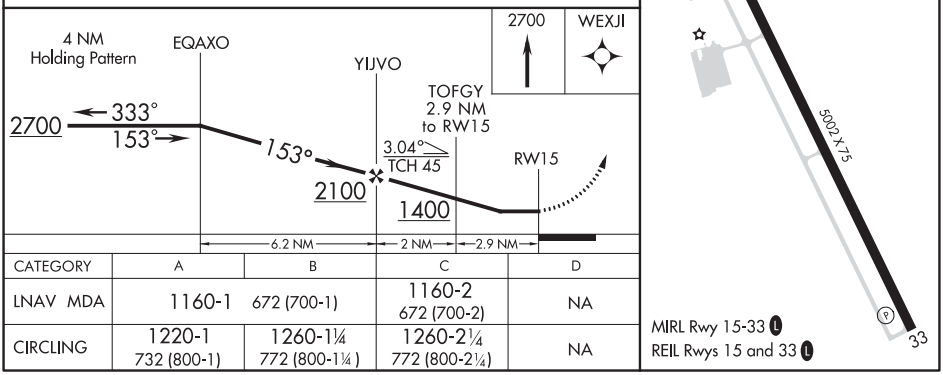
RNAV (GPS) RWY 15
WASHINGTON RGNL (FYG)

DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA.
When local altimeter setting not received, use Spirit of St. Louis altimeter setting and increase all MDA 60 feet and increase Circling Cat C visibility ¼ mile.

MISSED APPROACH: Climb to 2700 direct WEXJI and hold.

AWOS-3	ST. LOUIS APP CON	UNICOM
121.325	126.5 254.3	122.8 (CTAF) L





CATEGORY	A	B	C	D
LNAV MDA	1160-1 672 (700-1)		1160-2 672 (700-2)	NA
CIRCLING	1220-1 732 (800-1)	1260-1¼ 772 (800-1¼)	1260-2¼ 772 (800-2¼)	NA

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WASHINGTON, MISSOURI AL-6478 (FAA) 20310

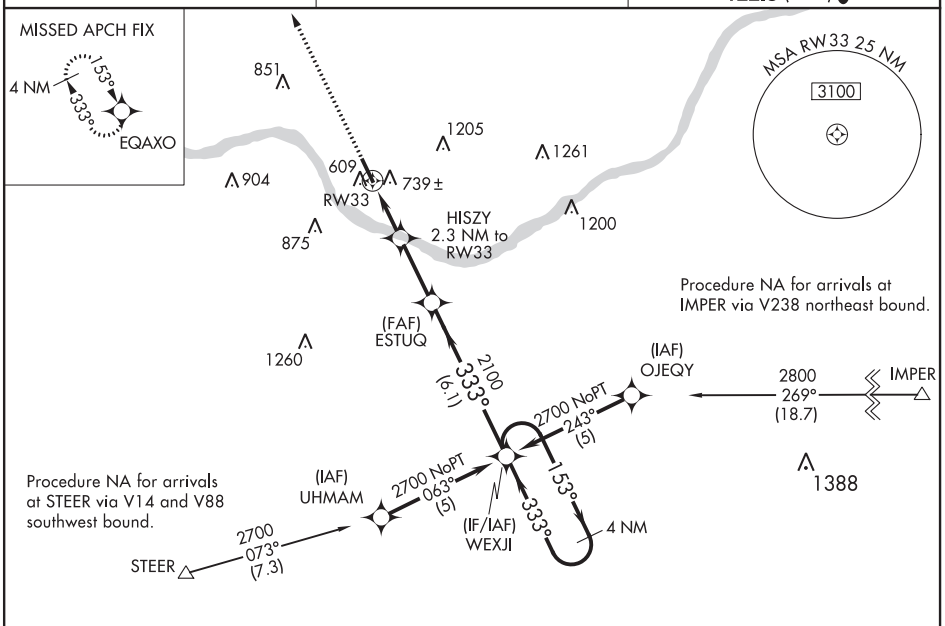
WAAS CH 45715 W33A	APP CRS 333°	Rwy ldg 5002 TDZE 486 Apt Elev 488

RNAV (GPS) RWY 33
WASHINGTON RGNL (FYG)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Spirit of St. Louis altimeter setting and increase all DA 42 feet and all MDA 60 feet, increase LNAV/VNAV all Cats visibility ¼ mile and Circling Cat D visibility ¼ mile. VDP and Baro-VNAV NA when using Spirit of St. Louis altimeter setting.

MISSED APPROACH: Climb to 2700 direct EQAXO and hold.

AWOS-3	ST. LOUIS APP CON	UNICOM
121.325	126.5 254.3	122.8 (CTAF) L

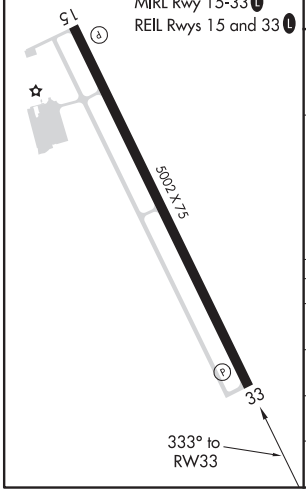


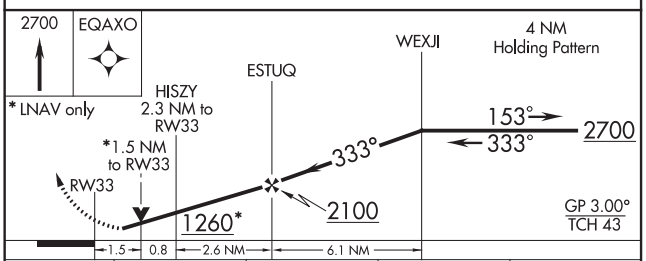
NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

ELEV 488 TDZE 486

MIRL Rwy 15-33 L
REIL Rwys 15 and 33 L





CATEGORY	A	B	C	D
LPV DA	824-1¼ 338 (400-1¼)			NA
LNAV/VNAV DA	1051-2 565 (600-2)			NA
LNAV MDA	1000-1 514 (600-1)		1000-1½ 514 (600-1½)	NA
CIRCLING	1220-1 732 (800-1)	1260-1¼ 772 (800-1¼)	1260-2¼ 772 (800-2¼)	NA

WASHINGTON, MISSOURI
Amdt 2 22OCT09

38° 35′N - 91° 00′W

WASHINGTON RGNL (FYG)
RNAV (GPS) RWY 33

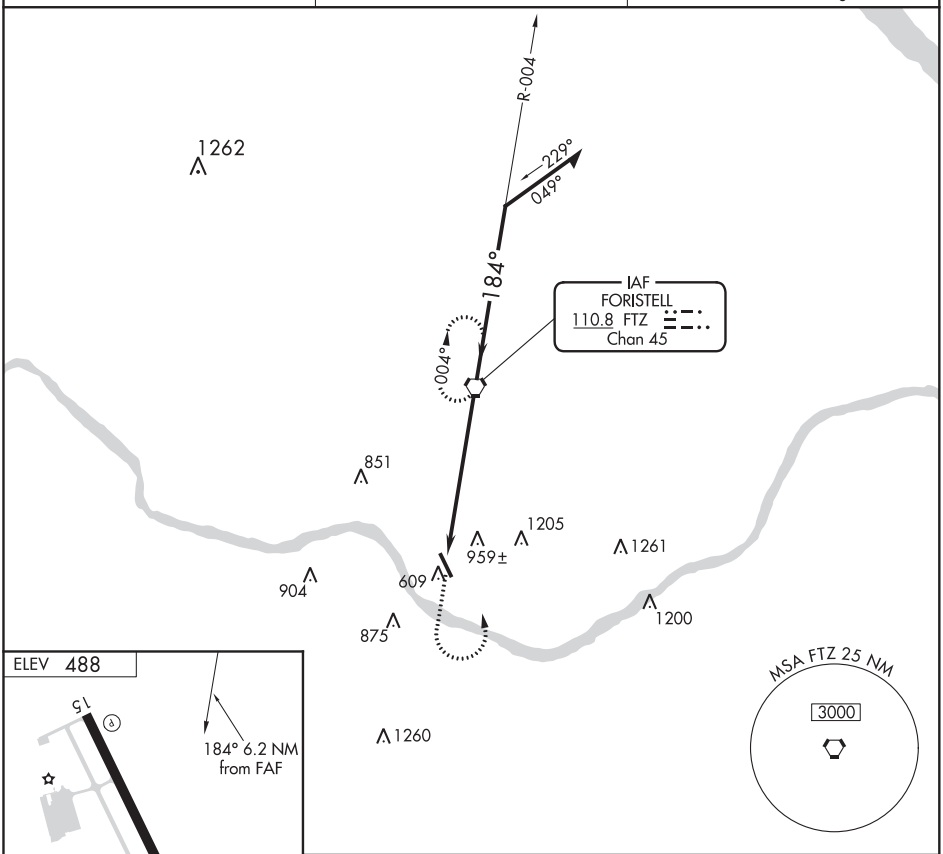
VORTAC FTZ	APP CRS	Rwy ldg	N/A
110.8	184°	TDZE	N/A
Chan 45		Apt Elev	488

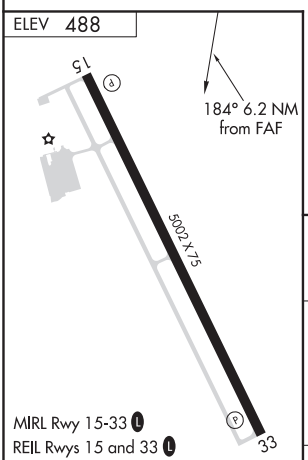
VOR-A
WASHINGTON RGNL (FYG)

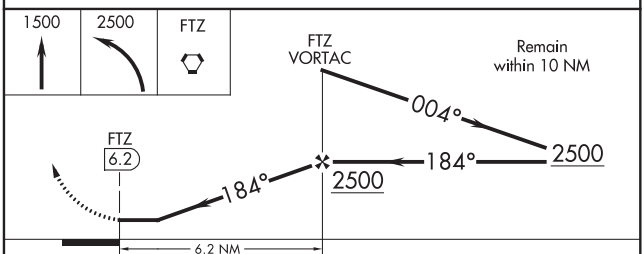
When local altimeter setting not received, use Spirit of St. Louis altimeter setting and increase all MDA 60 feet and increase Circling Cat C visibility ¼ mile.

MISSED APPROACH: Climb to 1500 then climbing left turn to 2500 direct FTZ VORTAC and hold.

AWOS-3	ST. LOUIS APP CON	UNICOM
121.325	126.5 254.3	122.8 (CTAF) L







FAF to MAP 6.2 NM					
Knots	60	90	120	150	180
Min:Sec	6:12	4:08	3:06	2:29	2:04

CATEGORY	A	B	C	D
CIRCLING	1220-1 732 (800-1)	1260-1¼ 772 (800-1¼)	1260-2¼ 772 (800-2¼)	NA

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

WATERLOO, IOWA | AL-945 (FAA) | 21056

ILS or LOC RWY 12
WATERLOO RGNL (ALO)

LOC/DME I-ALO	APP CRS	Rwy ldg	8399
111.7	128°	TDZE	873
Chan 54		Apt Elev	873

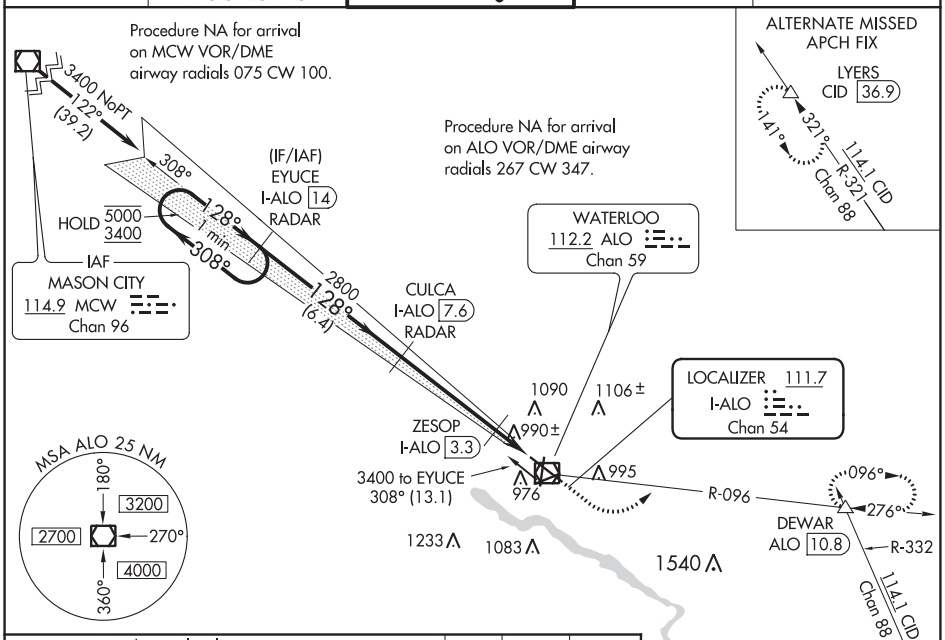
DME or RADAR required.

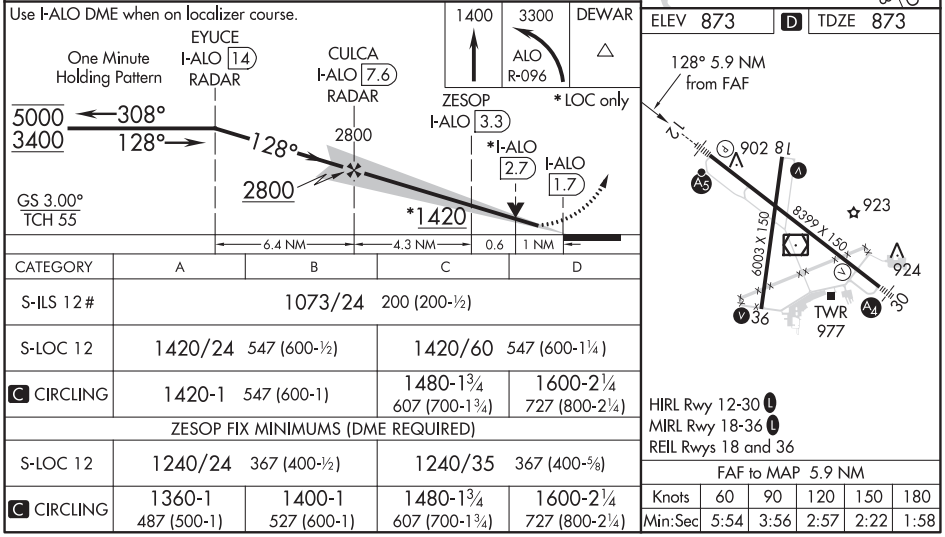
For inop ALS, increase S-LOC 12 ZESOP FIX MINIMUMS Cats C/D visibility to RVR 5500.
#RVR 1800 authorized with the use of FD or AP or HUD to DA.

MALSR

MISSED APPROACH: Climb to 1400 then climbing left turn to 3300 on ALO VOR/DME R-096 to DEWAR INT/ALO VOR/DME 10.8 DME and hold.

ATIS	WATERLOO APP CON ★	WATERLOO TOWER ★	GND CON	UNICOM
120.65	118.9 251.15	125.075 (CTAF) L 257.8	121.9 269.1	122.95





CATEGORY	A	B	C	D
S-ILS 12 #	1073/24 200 (200-½)			
S-LOC 12	1420/24 547 (600-½)		1420/60 547 (600-1¼)	
C CIRCLING	1420-1 547 (600-1)		1480-1¾ 607 (700-1¾)	1600-2¼ 727 (800-2¼)
ZESOP FIX MINIMUMS (DME REQUIRED)				
S-LOC 12	1240/24 367 (400-½)		1240/35 367 (400-⅝)	
C CIRCLING	1360-1 487 (500-1)	1400-1 527 (600-1)	1480-1¾ 607 (700-1¾)	1600-2¼ 727 (800-2¼)

FAF to MAP 5.9 NM					
Knots	60	90	120	150	180
Min:Sec	5:54	3:56	2:57	2:22	1:58

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 72801 W12A	APP CRS 128°	Rwy ldg 8399 TDZE 873 Apt Elev 873

RNAV (GPS) RWY 12
WATERLOO RGNL (ALO)

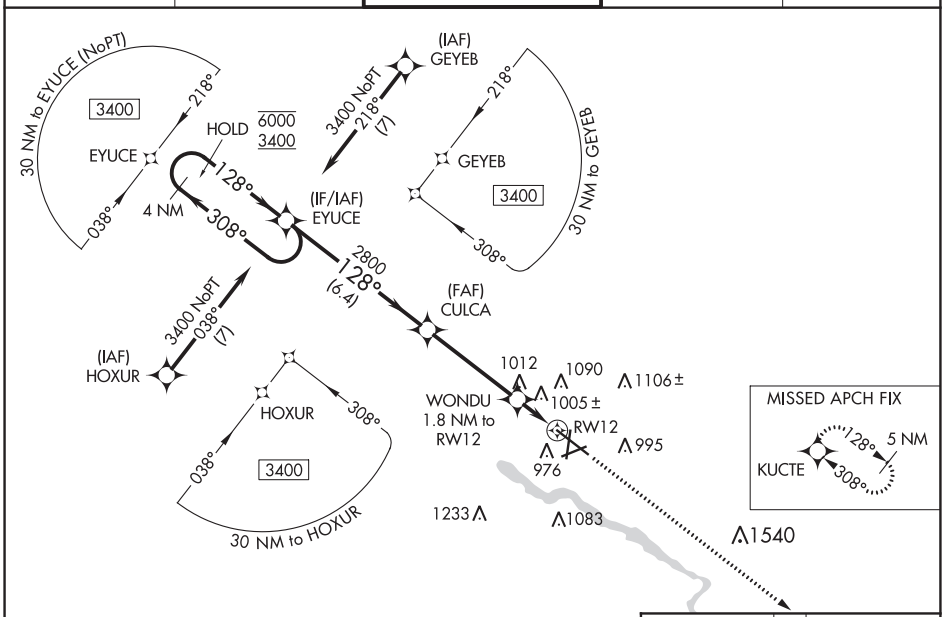
RNP APCH.

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -19°C or above 54°C. For inop ALS, increase LNAV/VNAV all Cats to RVR 5500.
RVR 1800 authorized with use of FD or AP or HUD to DA.

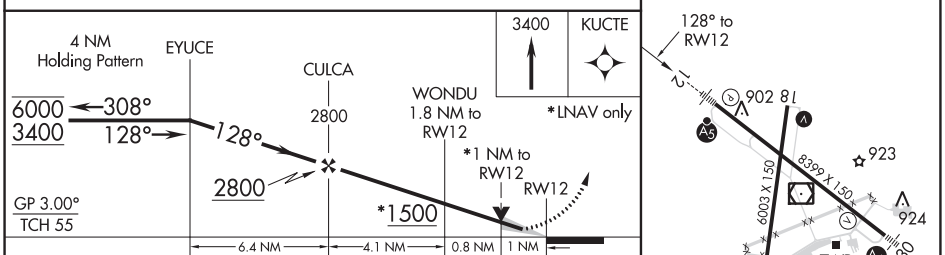
MALSR

MISSED APPROACH: Climb to 3400 direct KUCTE and hold.

ATIS	WATERLOO APP CON★	WATERLOO TOWER★	GND CON	UNICOM
120.65	118.9 251.15	125.075 (CTAF) L 257.8	121.9 269.1	122.95



ELEV 873 D TDZE 873



CATEGORY	A	B	C	D
LPV DA#	1073/24 200 (200-½)			
LNAV/VNAV DA	1252/30 379 (400-⅝)			
LNAV MDA	1260/24 387 (400-½)		1260/35 387 (400-⅝)	
C CIRCLING	1360-1 487 (500-1)	1400-1 527 (600-1)	1480-1¾ 607 (700-1¾)	1600-2¼ 727 (800-2¼)

HIRL Rwy 12-30 L
MIRL Rwy 18-36 L
REIL Rwys 18 and 36

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 58042 W18A	APP CRS 188°	Rwy ldg 6003 TDZE 871 Apt Elev 873

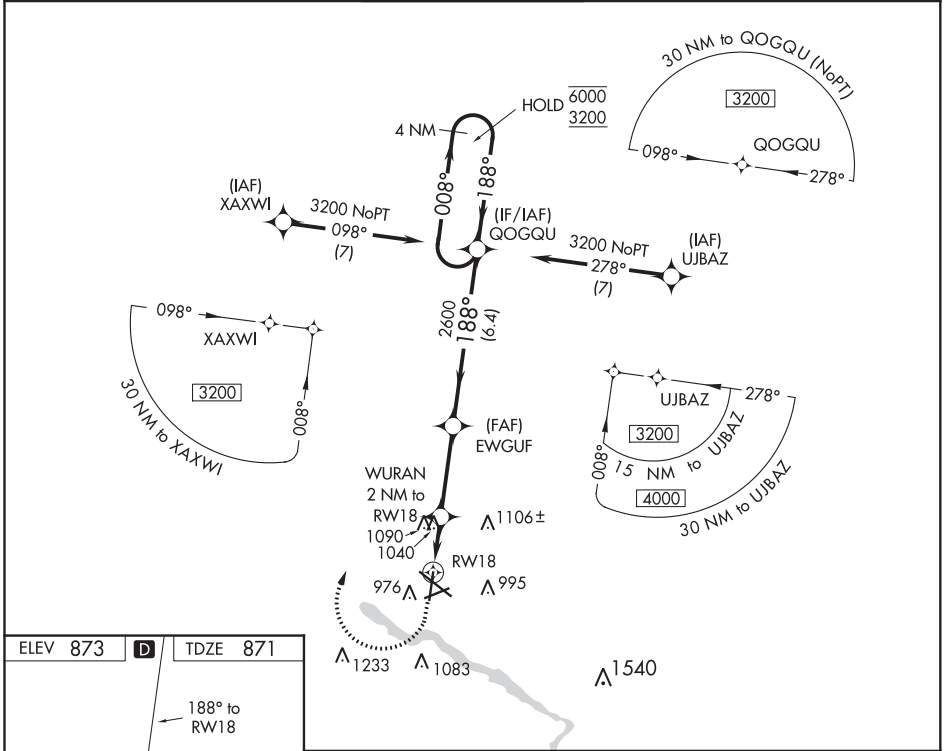
RNAV (GPS) RWY 18
WATERLOO RGNL (ALO)

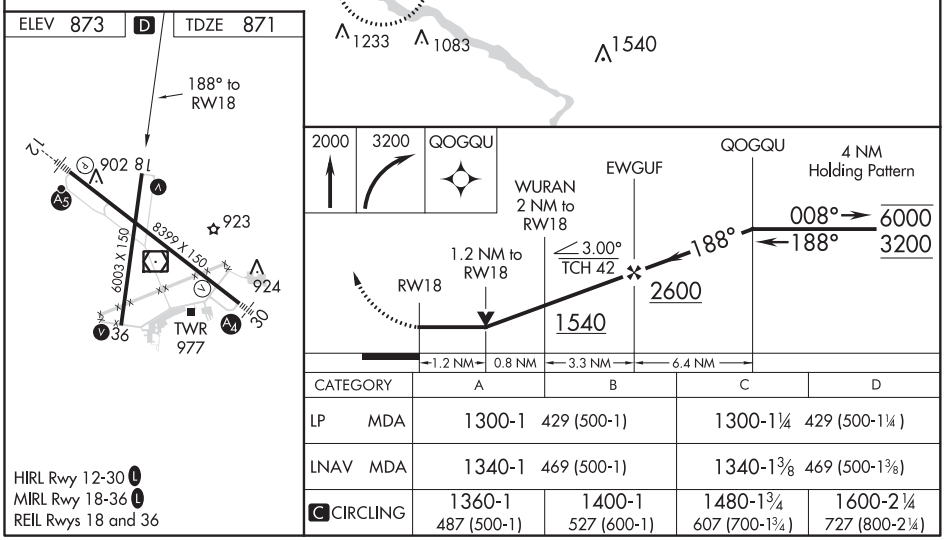
RNP APCH.

Rwy 18 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 2000 then climbing right turn to 3200 direct QOGQU and hold.

ATIS	WATERLOO APP CON★	WATERLOO TOWER★	GND CON	UNICOM
120.65	118.9 251.15	125.075 (CTAF) L 257.8	121.9 269.1	122.95





CATEGORY	A	B	C	D
LP MDA	1300-1 429 (500-1)		1300-1¼ 429 (500-1¼)	
LNAV MDA	1340-1 469 (500-1)		1340-1⅜ 469 (500-1⅜)	
C CIRCLING	1360-1 487 (500-1)	1400-1 527 (600-1)	1480-1¾ 607 (700-1¾)	1600-2¼ 727 (800-2¼)

HIRL Rwy 12-30 L
MIRL Rwy 18-36 L
REIL Rwys 18 and 36

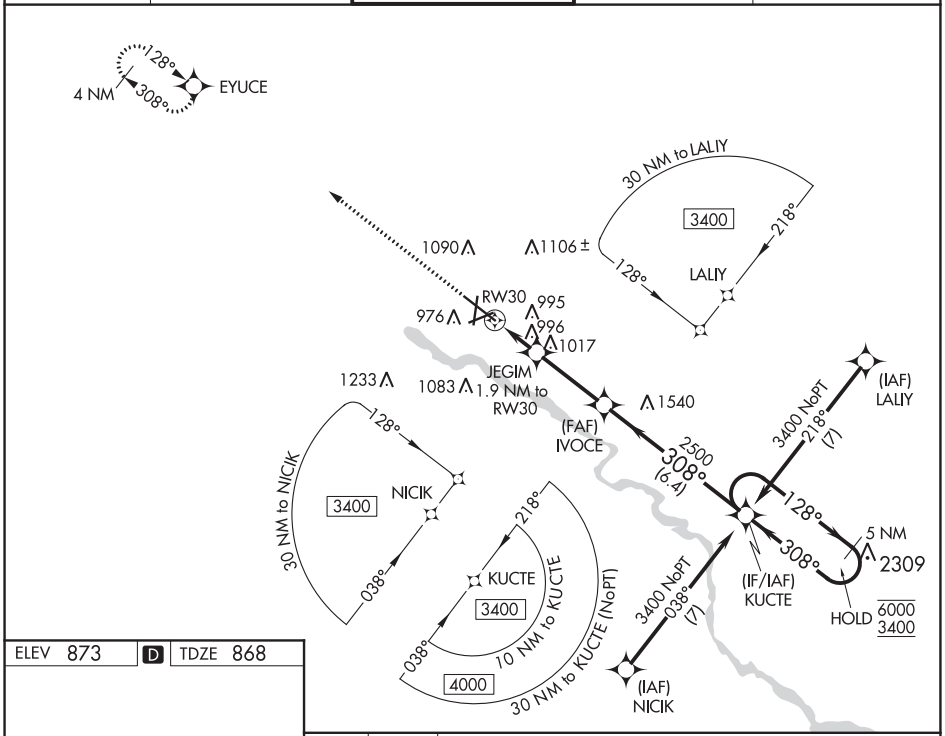
NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 78201 W30A	APP CRS 308°	Rwy ldg 8399 TDZE 868 Apt Elev 873

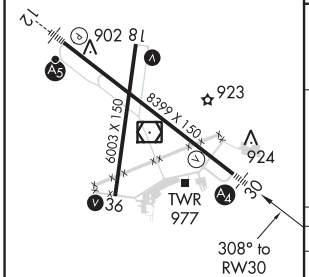
RNAV (GPS) RWY 30
WATERLOO RGNL (ALO)

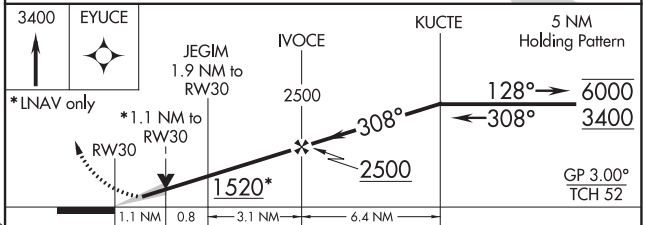
RNP APCH.	MALS	
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -20°C or above 54°C. Inop table does not apply LPV all Cats. For inop ALS, increase LNAV/VNAV all Cats visibility to ⅞ SM.	A4	MISSED APPROACH: Climb to 3400 direct EYUCE and hold.

ATIS	WATERLOO APP CON★	WATERLOO TOWER★	GND CON	UNICOM
120.65	118.9 251.15	125.075 (CTAF) L 257.8	121.9 269.1	122.95



ELEV 873	D	TDZE 868





CATEGORY	A	B	C	D
LPV DA	1068-¾ 200 (200-¾)			
LNAV/VNAV DA	1145-¾ 277 (300-¾)			
LNAV MDA	1260-¾ 392 (400-¾)		1260-⅞ 392 (400-⅞)	
C CIRCLING	1360-1 487 (500-1)	1400-1 527 (600-1)	1480-1¾ 607 (700-1¾)	1600-2¼ 727 (800-2¼)

HIRL Rwy 12-30 L
MIRL Rwy 18-36 L
REIL Rwys 18 and 36

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

WATERLOO, IOWA — AL-945 (FAA) — 21056

WAAS CH 48942 W36A	APP CRS 008°	Rwy ldg 6003 TDZE 869 Apt Elev 873

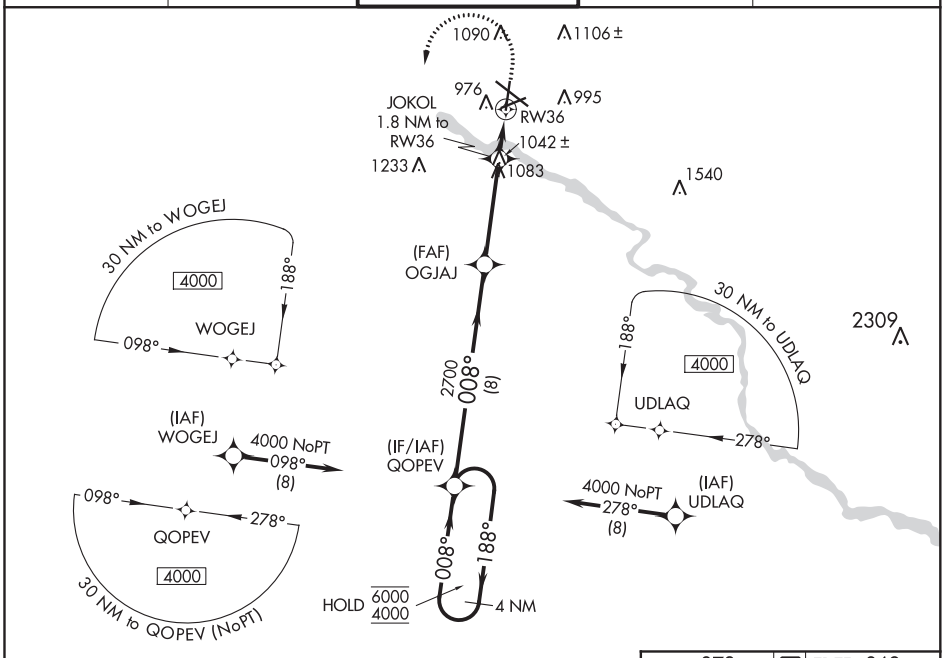
RNAV (GPS) RWY 36
WATERLOO RGNL (ALO)

RNP APCH.

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -20°C or above 54°C.

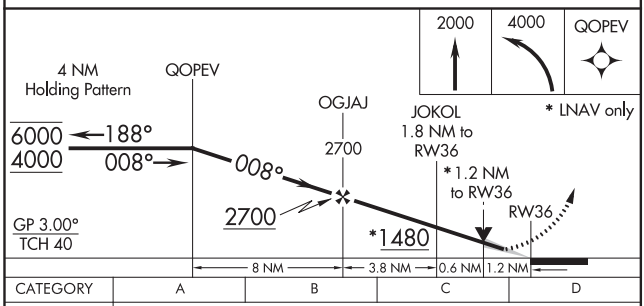
MISSED APPROACH: Climb to 2000 then climbing left turn to 4000 direct QOPEV and hold.

ATIS	WATERLOO APP CON *	WATERLOO TOWER *	GND CON	UNICOM
120.65	118.9 251.15	125.075 (CTAF) L 257.8	121.9 269.1	122.95

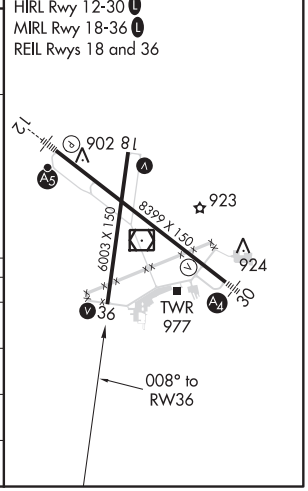


ELEV 873 | D | TDZE 869

HIRL Rwy 12-30 L
MIRL Rwy 18-36 L
REIL Rwys 18 and 36



CATEGORY	A	B	C	D
LPV DA	1069-¾ 200 (200-¾)			
LNAV/VNAV DA	1190-1 321 (400-1)			
LNAV MDA	1300-1 431 (500-1)		1300-1¼ 431 (500-1¼)	
C CIRCLING	1360-1 487 (500-1)	1400-1 527 (600-1)	1480-1¾ 607 (700-1¾)	1600-2¼ 727 (800-2¼)



NC-3, 25 FEB 2021 to 22 APR 2021

LOC BC RWY 30
WATERLOO RGNL (ALO)

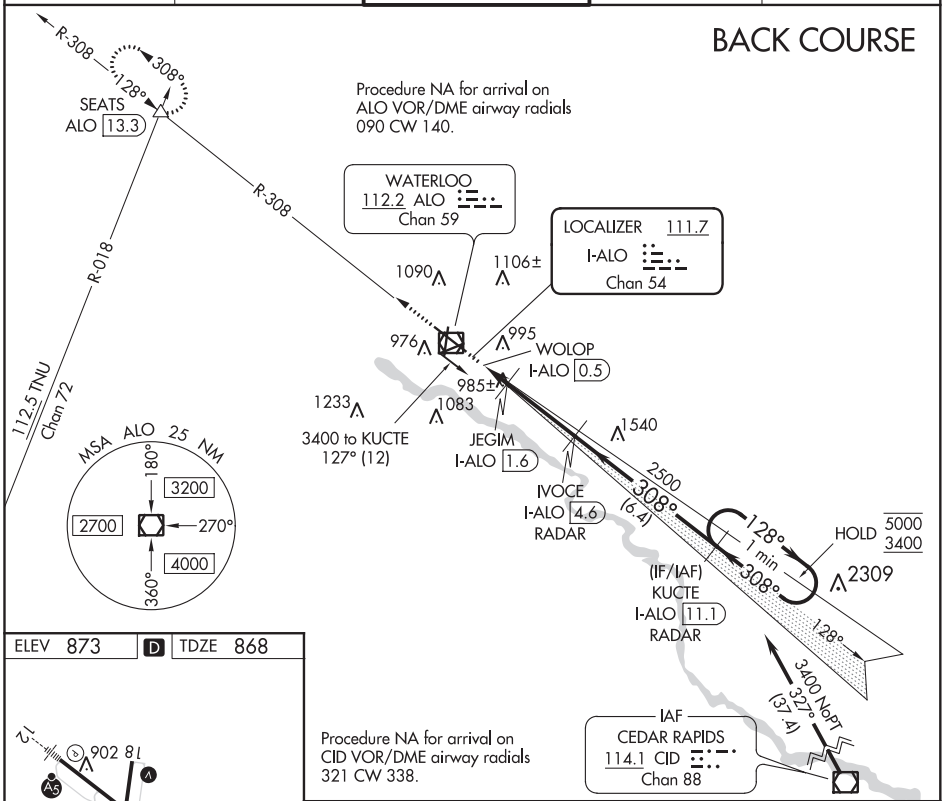
LOC/DME I-ALO	APP CRS	Rwy ldg	8399
111.7	308°	TDZE	868
Chan 54		Apt Elev	873

DME required.

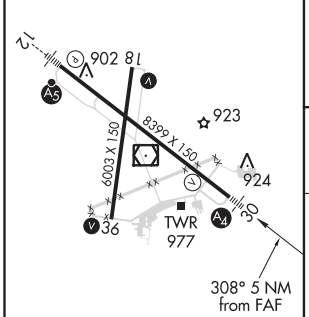
MALS

MISSED APPROACH: Climb to 3500 on ALO VOR/DME R-308 to SEATS INT/ALO 13.3 DME and hold.

ATIS	WATERLOO APP CON★	WATERLOO TOWER★	GND CON	UNICOM
120.65	118.9 251.15	125.075 (CTAF) L 257.8	121.9 269.1	122.95

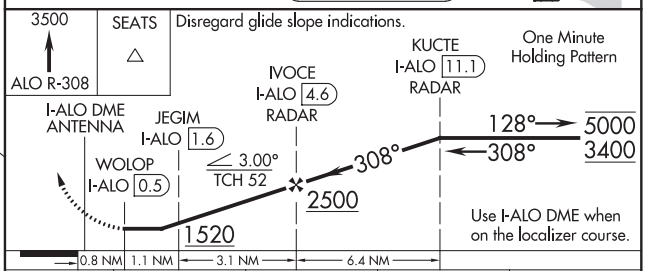


ELEV 873	D	TDZE 868



HIRL Rwy 12-30 L
MIRL Rwy 18-36 L
REIL Rwys 18 and 36

Procedure NA for arrival on CID VOR/DME airway radials 321 CW 338.



FAF to MAP 4.1 NM					
Knots	60	90	120	150	180
Min:Sec	4:06	2:44	2:03	1:38	1:22

CATEGORY	A	B	C	D
S-LOC 30	1240-¾ 372 (400-¾)			
C CIRCLING	1360-1 487 (500-1)	1400-1 527 (600-1)	1480-1¾ 607 (700-1¾)	1600-2¼ 727 (800-2¼)

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

WATERLOO, IOWA | AL-945 (FAA) | 21056

VOR RWY 12
WATERLOO RGNL (ALO)

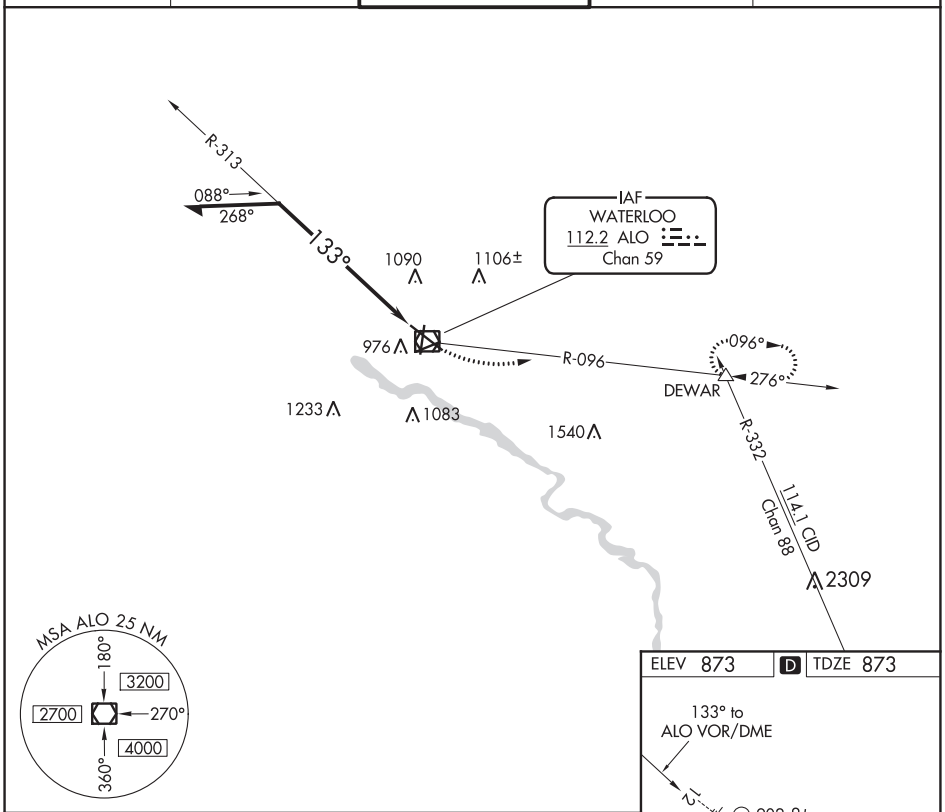
VOR/DME ALO	APP CRS	Rwy ldg	8399
112.2	133°	TDZE	873
Chan 59		Apt Elev	873

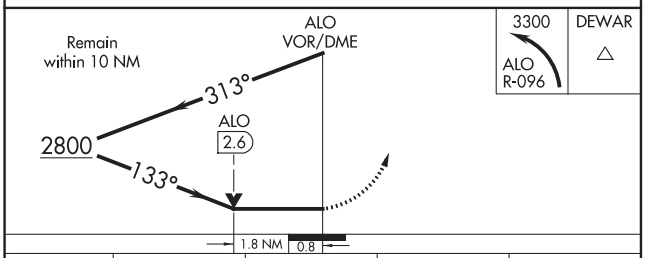
For inop ALS, increase S-12 Cat C/D visibility to 1¾ SM.

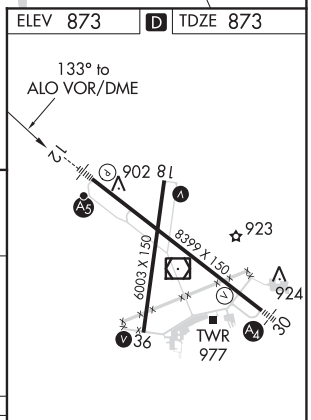
MALSR

MISSED APPROACH: Climbing left turn to 3300 on ALO VOR/DME R-096 to DEWAR INT and hold.

ATIS	WATERLOO APP CON★	WATERLOO TOWER★	GND CON	UNICOM
120.65	118.9 251.15	125.075 (CTAF) L 257.8	121.9 269.1	122.95







CATEGORY	A	B	C	D
S-12	1500/24 627 (700-½)		1500-1⅜ 627 (700-1⅜)	
C CIRCLING	1500-1 627 (700-1)		1500-1¾ 627 (700-1¾)	1600-2¼ 727 (800-2¼)

HIRL Rwy 12-30 L
MIRL Rwy 18-36 L
REIL Rwys 18 and 36

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

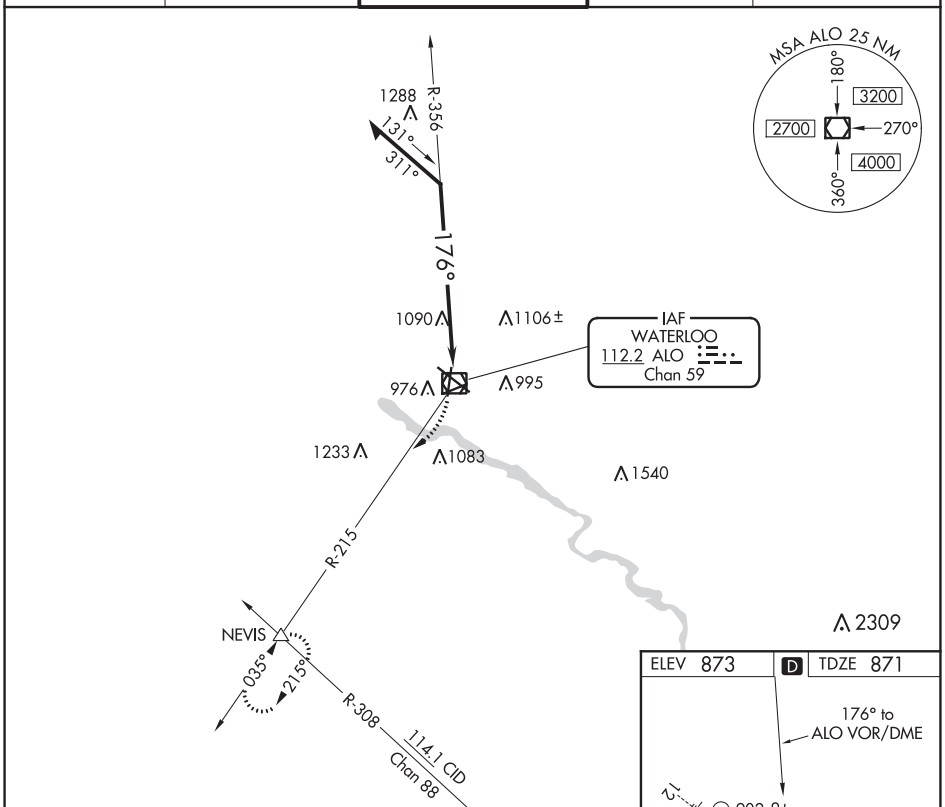
VOR/DME ALO	APP CRS	Rwy ldg	6003
112.2	176°	TDZE	871
Chan 59		Apt Elev	873

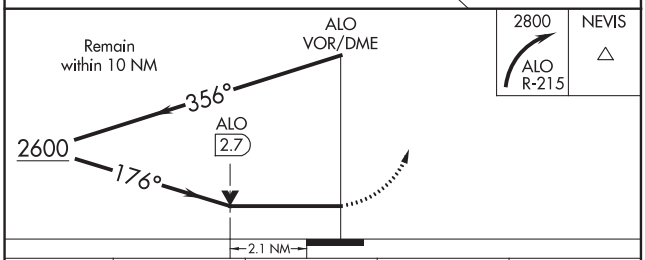
VOR RWY 18
WATERLOO RGNL (ALO)

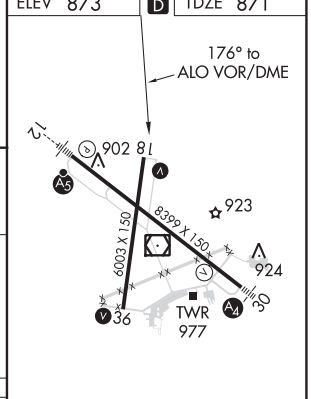
Rwy 18 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climbing right turn to 2800 on ALO VOR/DME R-215 to NEVIS INT and hold.

ATIS	WATERLOO APP CON ★	WATERLOO TOWER ★	GND CON	UNICOM
120.65	118.9 251.15	125.075 (CTAF) L 257.8	121.9 269.1	122.95







CATEGORY	A	B	C	D
S-18	1600-1 729 (800-1)		1600-2 729 (800-2)	
C CIRCLING	1600-1 727 (800-1)		1600-2 727 (800-2)	1600-2¼ 727 (800-2¼)

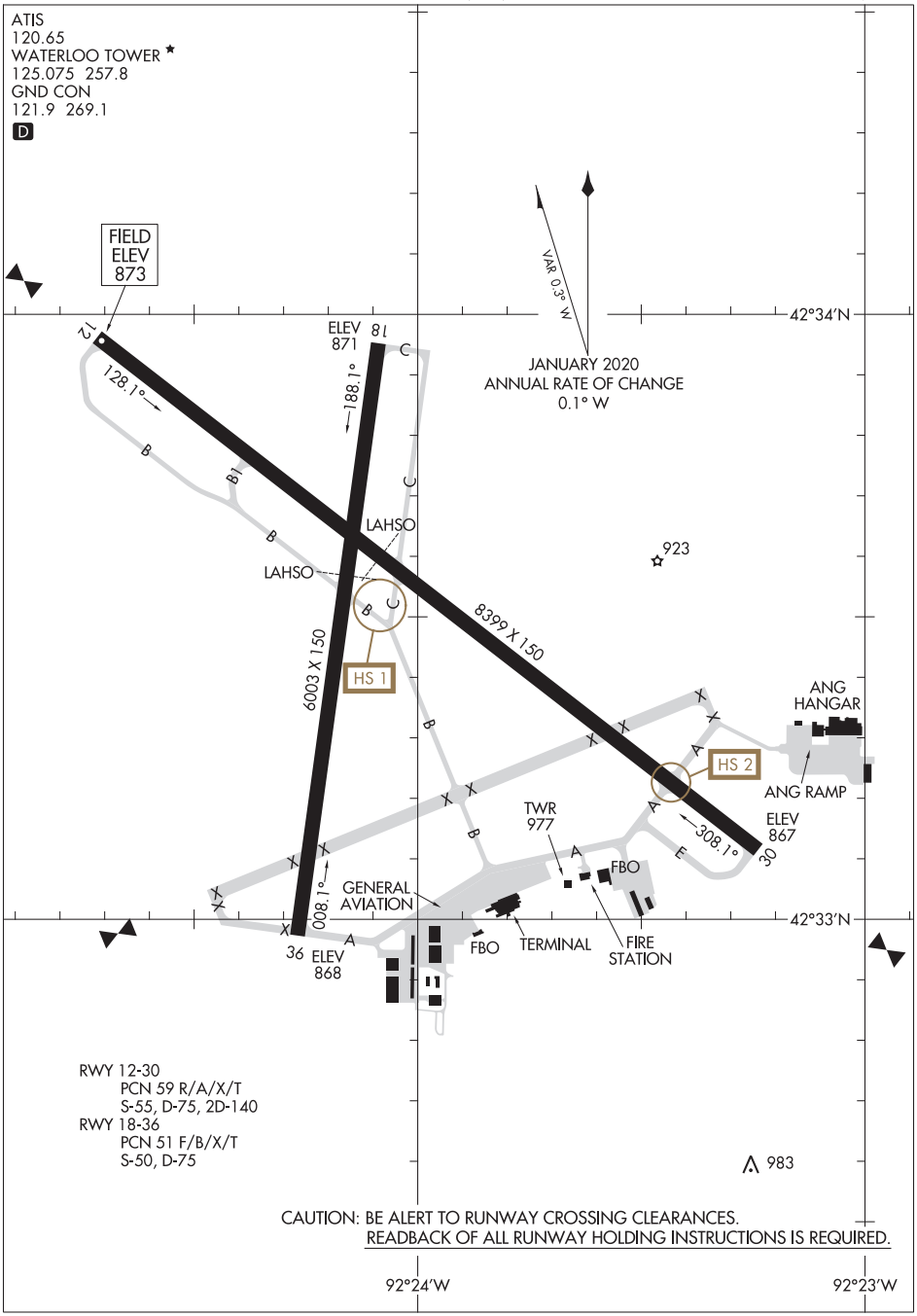
HIRL Rwy 12-30 L
MIRL Rwy 18-36 L
REIL Rwys 18 and 36

21056

AIRPORT DIAGRAM

AL-945 (FAA)

WATERLOO RGNL (ALO)
WATERLOO, IOWA



NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

AIRPORT DIAGRAM
21056
WATERLOO, IOWA
WATERLOO RGNL (ALO)

WAAS CH 58243 W11A	APP CRS 107°	Rwy ldg 3201 TDZE 992 Apt Elev 992

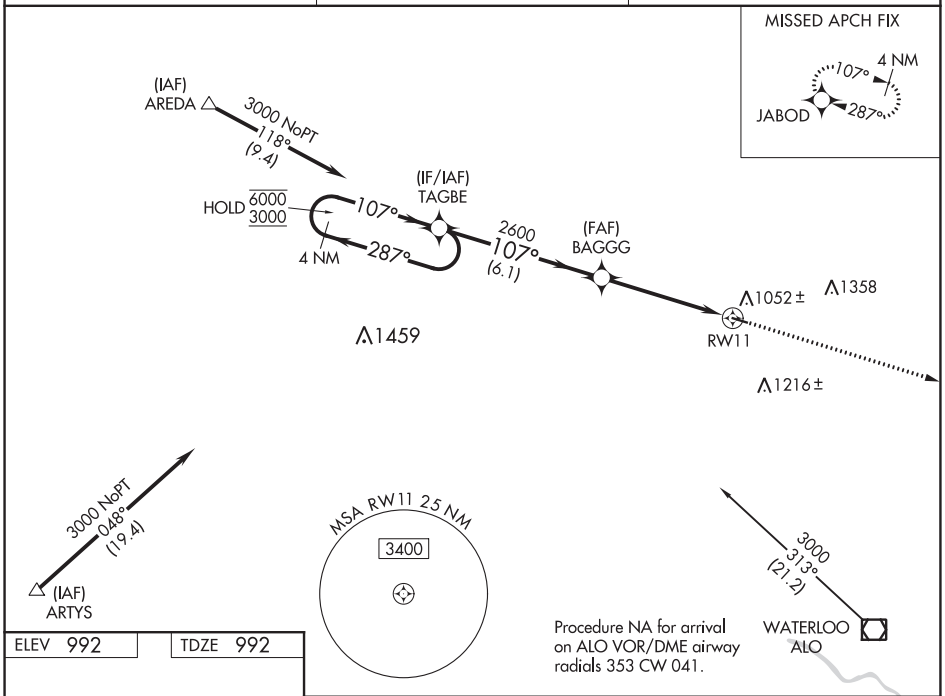
RNAV (GPS) RWY 11
WAVERLY MUNI (C25)

RNP APCH.

NA Rwy 11 helicopter visibility reduction below 1 SM NA. Baro-VNAV NA. Use Waterloo altimeter setting. Straight-in and Circling Rwy 11 NA at night.

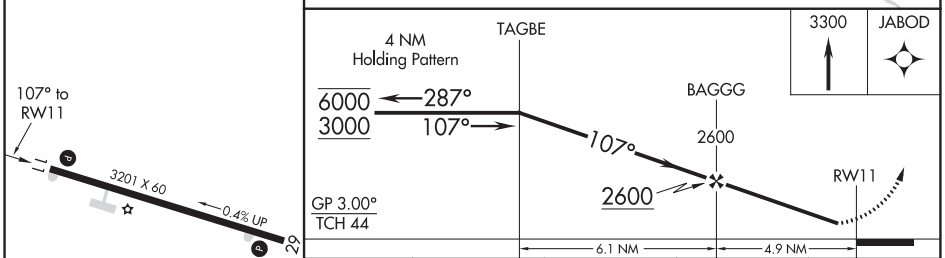
MISSED APPROACH: Climb to 3300 direct JABOD and hold.

ALO ASOS	WATERLOO APP CON ★	UNICOM
120.65	118.9 251.15	122.8 (CTAF) L



Procedure NA for arrival on ALO VOR/DME airway radials 353 CW 041.

ELEV 992	TDZE 992



CATEGORY	A	B	C	D
LPV DA	1287-1 295 (300-1)			NA
LNAV/VNAV DA	1334-1 342 (400-1)			NA
LNAV MDA	1540-1 548 (600-1)		1540-1⅝ 548 (600-1⅝)	NA
C CIRCLING	1540-1 548 (600-1)	1620-1 628 (700-1)	1620-1¾ 628 (700-1¾)	NA

REIL Rwys 11 and 29 L
MIRL Rwy 11-29 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAVERLY, IOWA

AL-6558 (FAA)

20366

RNAV (GPS) RWY 29

WAVERLY MUNI (C25)

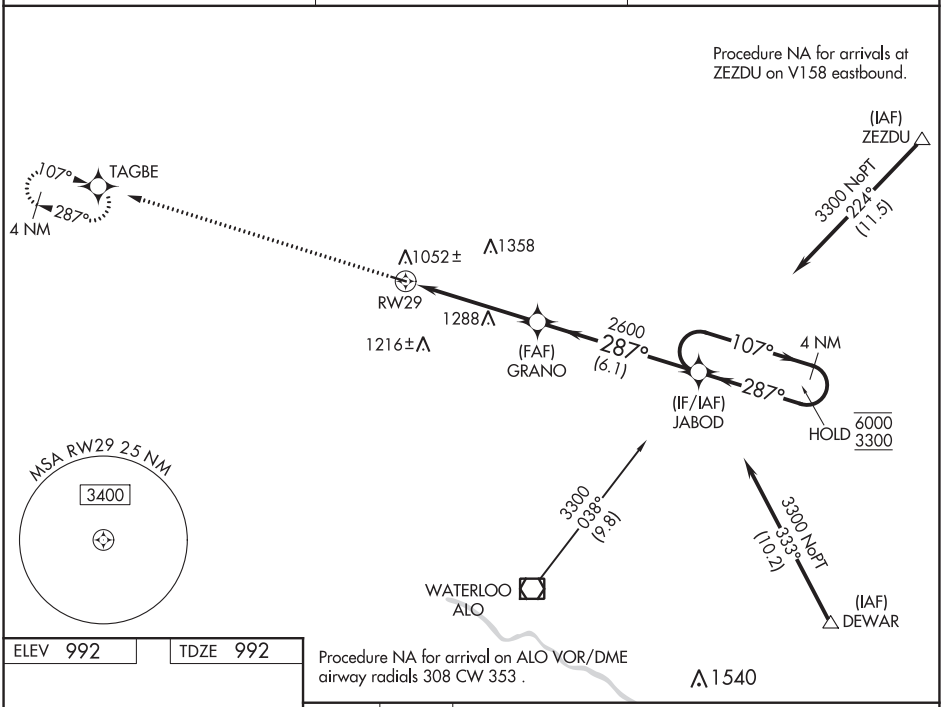
WAAS CH 78343 W29A	APP CRS 287°	Rwy ldg 3201 TDZE 992 Apt Elev 992

RNP APCH.

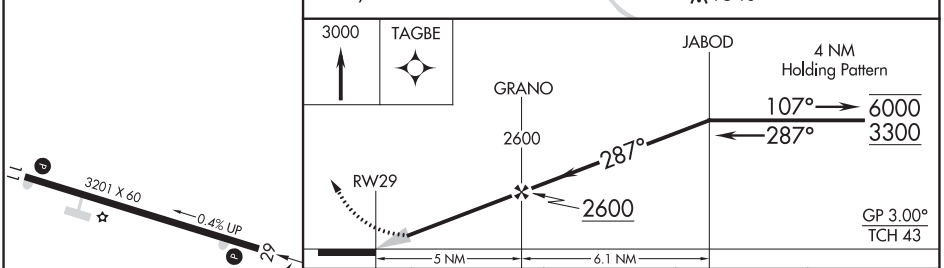
Circling to Rwy 11 NA at night. Baro-VNAV NA. Use Waterloo altimeter setting.

MISSED APPROACH: Climb to 3000 direct TAGBE and hold.

ALO ASOS	WATERLOO APP CON*	UNICOM
120.65	118.9 251.15	122.8 (CTAF) L



ELEV 992	TDZE 992



REIL Rwys 11 and 29 L

MIRL Rwy 11-29 L

CATEGORY	A	B	C	D
LPV DA	1237-1 245 (300-1)			NA
LNAV/VNAV DA	1334-1 342 (400-1)			NA
LNAV MDA	1600-1 608 (700-1)		1600-1¾ 608 (700-1¾)	NA
C CIRCLING	1600-1 608 (700-1)	1620-1 628 (700-1)	1620-1¾ 628 (700-1¾)	NA

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

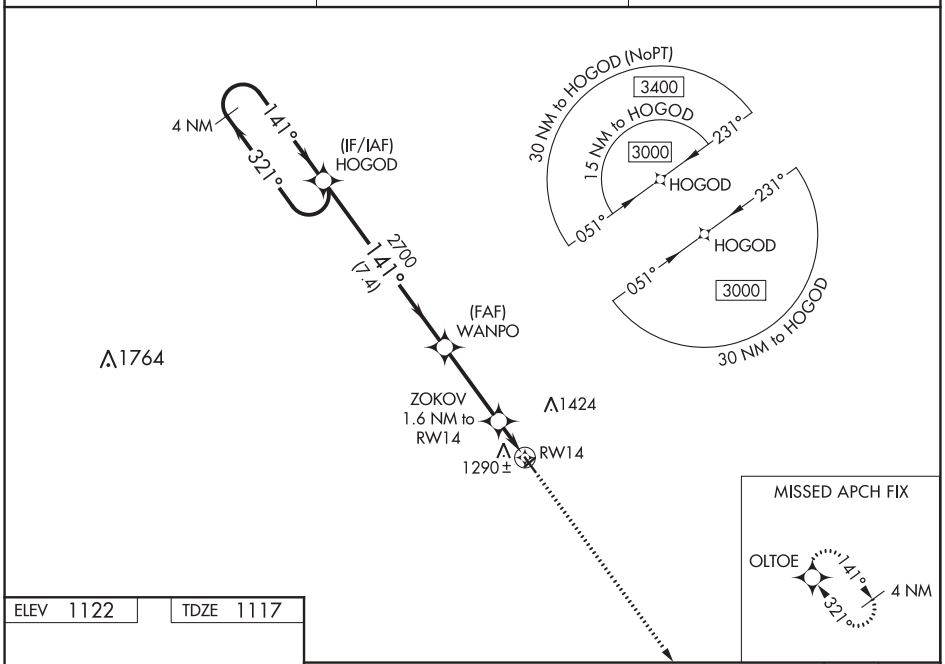
WAAS CH 40237 W14A	APP CRS 141°	Rwy ldg 3851 TDZE 1117 Apt Elev 1122

RNAV (GPS) RWY 14
WEBSTER CITY MUNI (EBS)

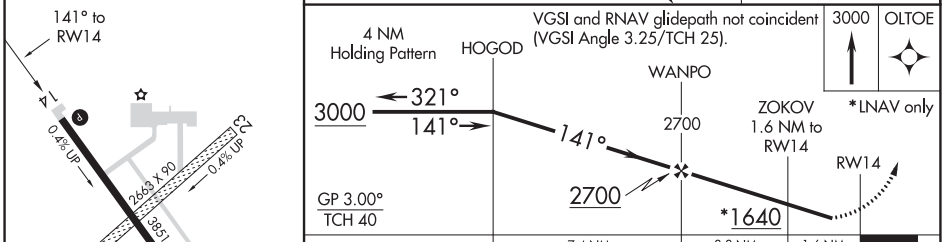
Baro-VNAV NA when using Clarion altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Clarion altimeter setting and increase all DAs 49 feet, and all MDA 60 feet; increase LNAV/VNAV all Cats visibility ⅛ mile. Helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 3000 direct OLTOE and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
127.825	134.0 288.3	122.8 (CTAF) L



ELEV 1122 TDZE 1117



CATEGORY	A	B	C	D
LPV DA	1367-1	250 (300-1)	NA	
LNAV/VNAV DA	1463-1¼	346 (400-1¼)	NA	
LNAV MDA	1540-1	423 (500-1)	NA	
C CIRCLING	1600-1	478 (500-1)	NA	

MIRL Rwy 14-32 L
REIL Rwys 14 and 32

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

WEBSTER CITY, IOWA | AL-5407 (FAA) | 18144

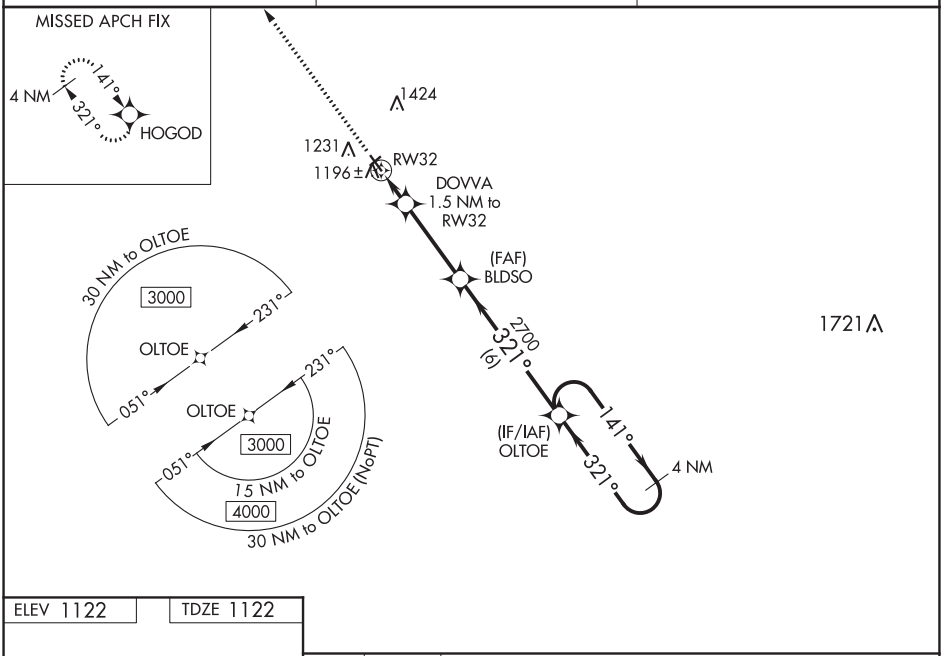
RNAV (GPS) RWY 32
WEBSTER CITY MUNI (EBS)

WAAS CH 90516 W32A	APP CRS 321°	Rwy ldg 3851 TDZE 1122 Apt Elev 1122

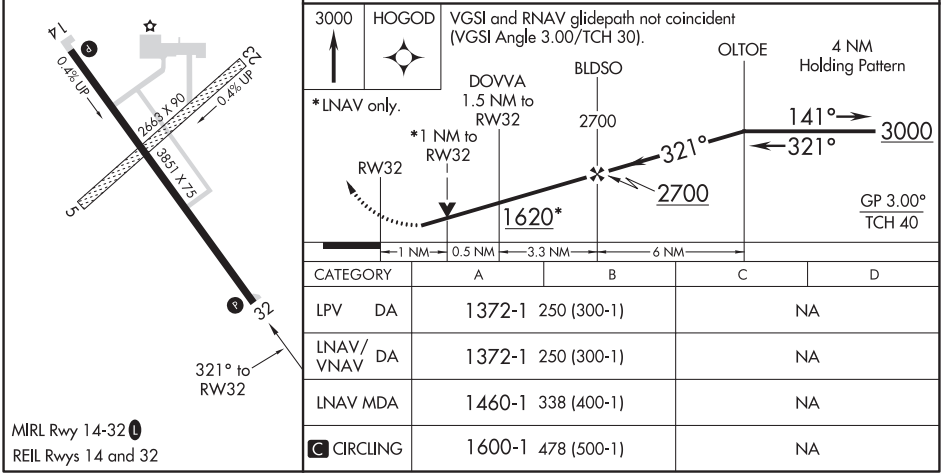
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Clarion altimeter setting and increase all DA 49 feet and all MDA 60 feet. Baro-VNAV and VDP NA when using Clarion altimeter setting. Helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 3000 direct HOGOD and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
127.825	134.0 288.3	122.8 (CTAF) L



ELEV 1122 | TDZE 1122



CATEGORY	A	B	C	D
LPV DA	1372-1 250 (300-1)		NA	
LNAV/VNAV DA	1372-1 250 (300-1)		NA	
LNAV MDA	1460-1 338 (400-1)		NA	
C CIRCLING	1600-1 478 (500-1)		NA	

MIRL Rwy 14-32 L
REIL Rwys 14 and 32

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

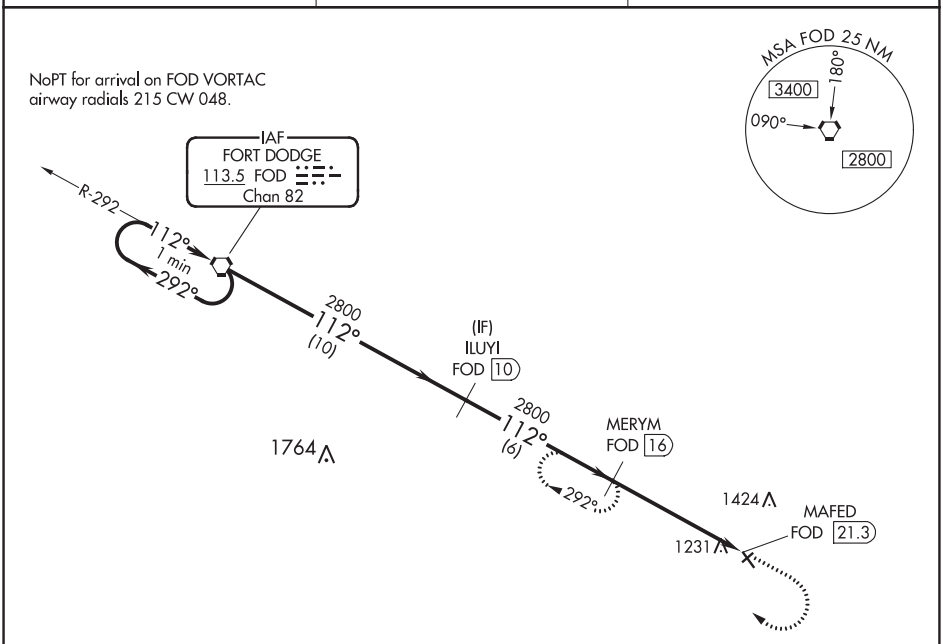
VORTAC FOD	APP CRS	Rwy ldg	3851
113.5	112°	TDZE	1117
Chan 82		Apt Elev	1122

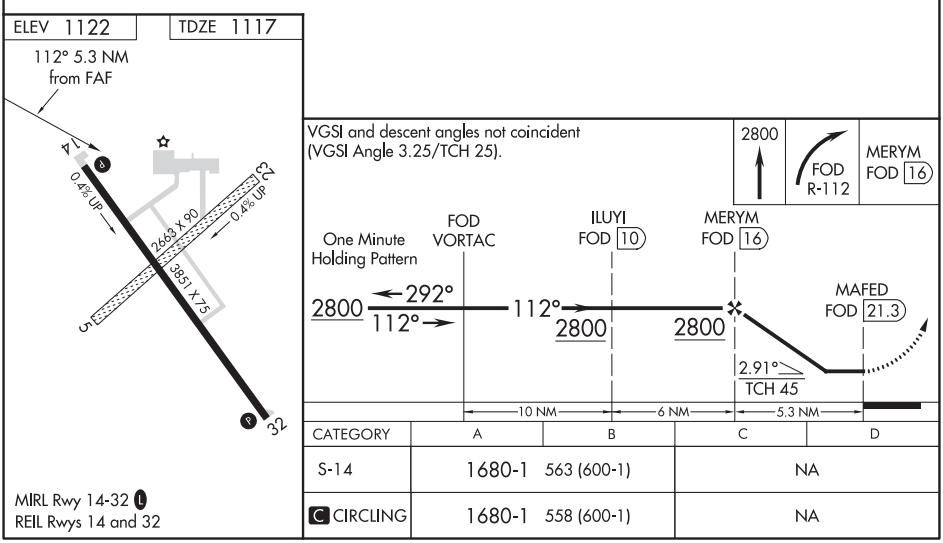
VOR/DME RWY 14
WEBSTER CITY MUNI (EBS)

When local altimeter setting not received, use Clarion altimeter setting and increase all MDA 60 feet.
Helicopter visibility reduction below ¾ SM not authorized.

MISSED APPROACH: Climb to 2800 then right turn on FOD VORTAC R-112 to MERYM/16 DME and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
127.825	134.0 288.3	122.8 (CTAF) L





CATEGORY	A	B	C	D
S-14	1680-1	563 (600-1)	NA	
C CIRCLING	1680-1	558 (600-1)	NA	

MIRL Rwy 14-32 L
REIL Rwys 14 and 32

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

WEST PLAINS, MISSOURI | AL-6611 (FAA) | 20310

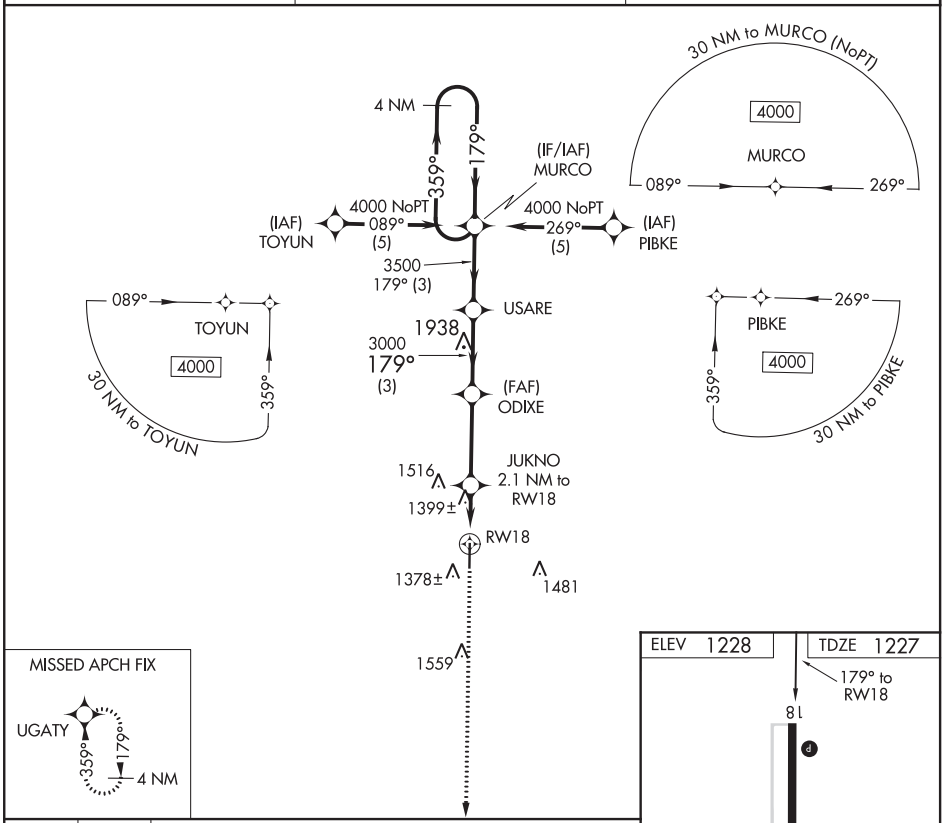
APP CRS	Rwy ldg	5101
179°	TDZE	1227
	Apt Elev	1228

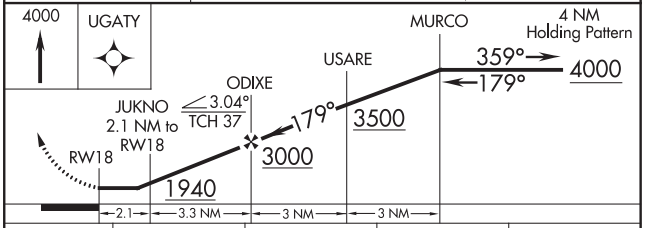
RNAV (GPS) RWY 18
WEST PLAINS RGNL (UNO)

DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Mountain Home, AR altimeter setting and increase all MDA 140 feet and increase LNAV and Circling Cat C visibility ¼ mile. When VGSI inop, Straight -in NA at night.

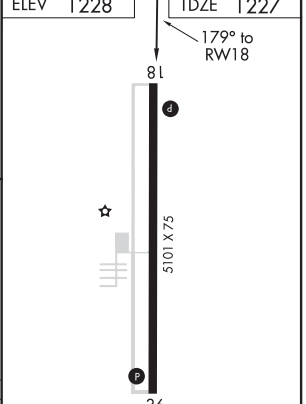
MISSED APPROACH: Climb to 4000 direct UGATY and hold.

ASOS	MEMPHIS CENTER	UNICOM
123.825	120.075 289.4	122.8 (CTAF) L





CATEGORY	A	B	C	D
LNAV MDA	1660-1 433 (500-1)		1660-1¼ 433 (500-1¼)	NA
CIRCLING	1700-1 472 (500-1)		1720-1½ 492 (500-1½)	NA



REIL Rwys 18 and 36 L
MIRL Rwy 18-36 L

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

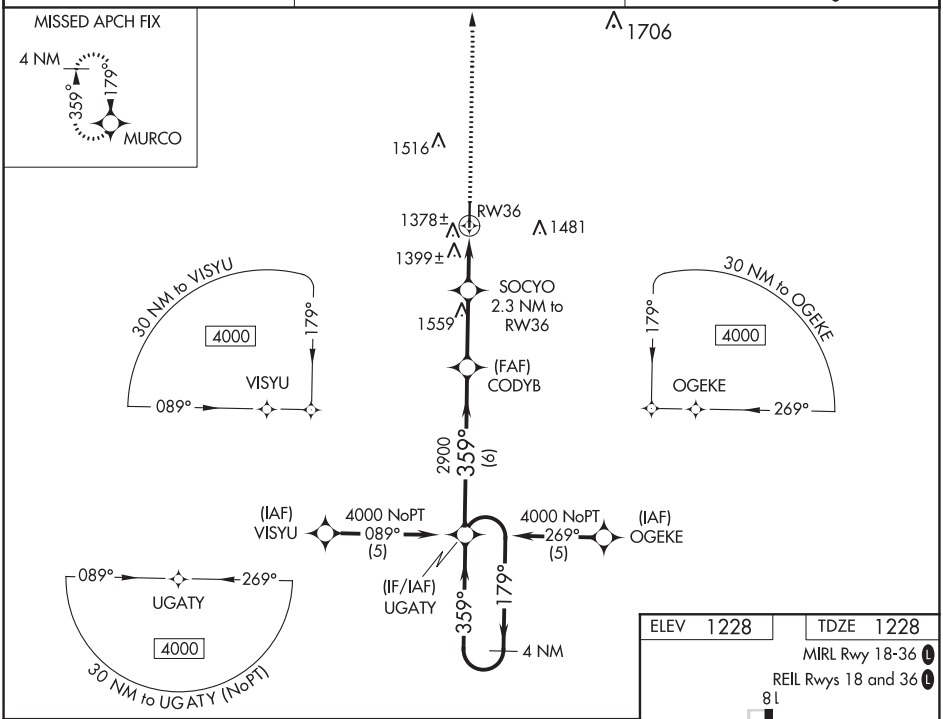
WAAS CH 40202 W36A	APP CRS 359°	Rwy ldg 5101 TDZE 1228 Apt Elev 1228

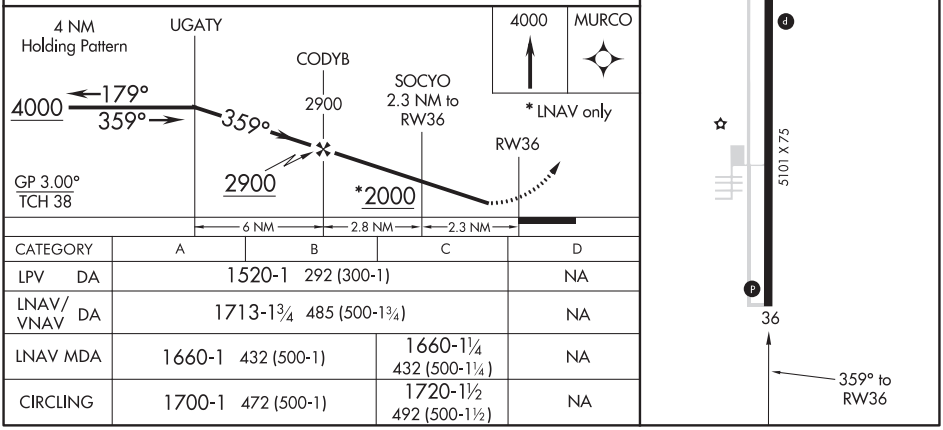
RNAV (GPS) RWY 36
WEST PLAINS RGNL (UNO)

When VGSI Inop, circling Rwy 18 NA at night. Baro-VNAV NA when using Mountain Home altimeter setting. DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Mountain Home, AR altimeter setting and increase all DA/MDA 140 feet, increase LPV all Cats visibility ½ mile, LNAV/VNAV all Cats visibility ¼ mile and LNAV and Circling Cat C visibility ¼ mile. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F).

MISSED APPROACH: Climb to 4000 direct MURCO and hold.

ASOS	MEMPHIS CENTER	UNICOM
123.825	120.075 289.4	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1520-1 292 (300-1)			NA
LNAV/VNAV DA	1713-1¾ 485 (500-1¾)			NA
LNAV MDA	1660-1 432 (500-1)		1660-1¼ 432 (500-1¼)	NA
CIRCLING	1700-1 472 (500-1)		1720-1½ 492 (500-1½)	NA

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WEST UNION, IOWA | AL-6441 (FAA) | 18228

RNAV (GPS) RWY 17
GEORGE L SCOTT MUNI (3Y2)

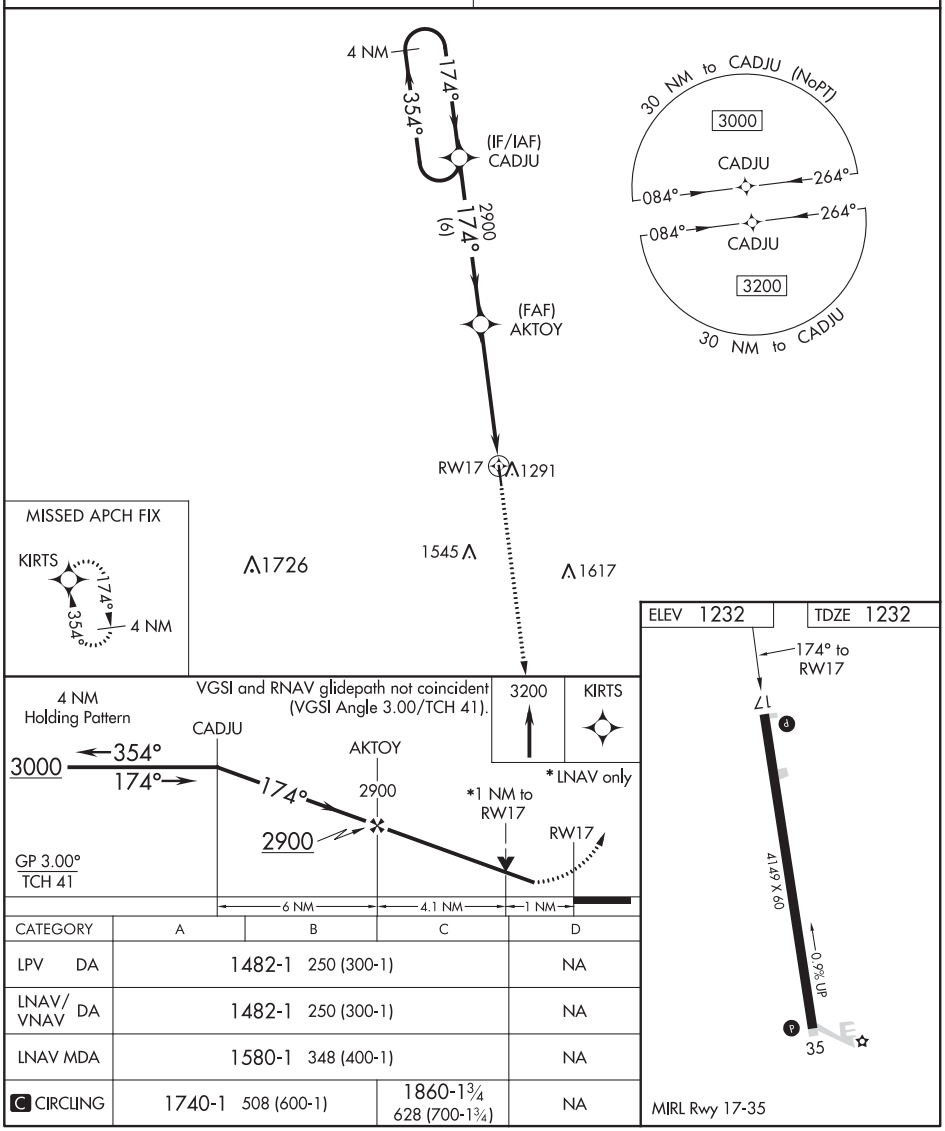
WAAS CH 78238 W17A	APP CRS 174°	Rwy ldg 4149 TDZE 1232 Apt Elev 1232

RNP APCH.

T A NA For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). Baro-VNAV and VDP NA when using Decorah altimeter setting. Helicopter visibility reduction below ¾ SM NA. Obtain local altimeter setting on CTAF; when not received, use Decorah altimeter setting and increase LPV and LNAV/VNAV DA to 1533 all Cats, increase all MDA 60 feet, and LNAV Cat C visibility ⅛ mile.

MISSED APPROACH: Climb to 3200 direct KIRTS and hold.

MINNEAPOLIS CENTER	UNICOM
118.85	122.8 (CTAF) L



CATEGORY	A	B	C	D
LPV DA	1482-1 250 (300-1)			NA
LNAV/VNAV DA	1482-1 250 (300-1)			NA
LNAV MDA	1580-1 348 (400-1)			NA
C CIRCLING	1740-1 508 (600-1)		1860-1¾ 628 (700-1¾)	NA

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

WAAS CH 82538 W35A	APP CRS 354°	Rwy ldg 4149 TDZE 1223 Apt Elev 1232

RNAV (GPS) RWY 35
GEORGE L SCOTT MUNI (3Y2)

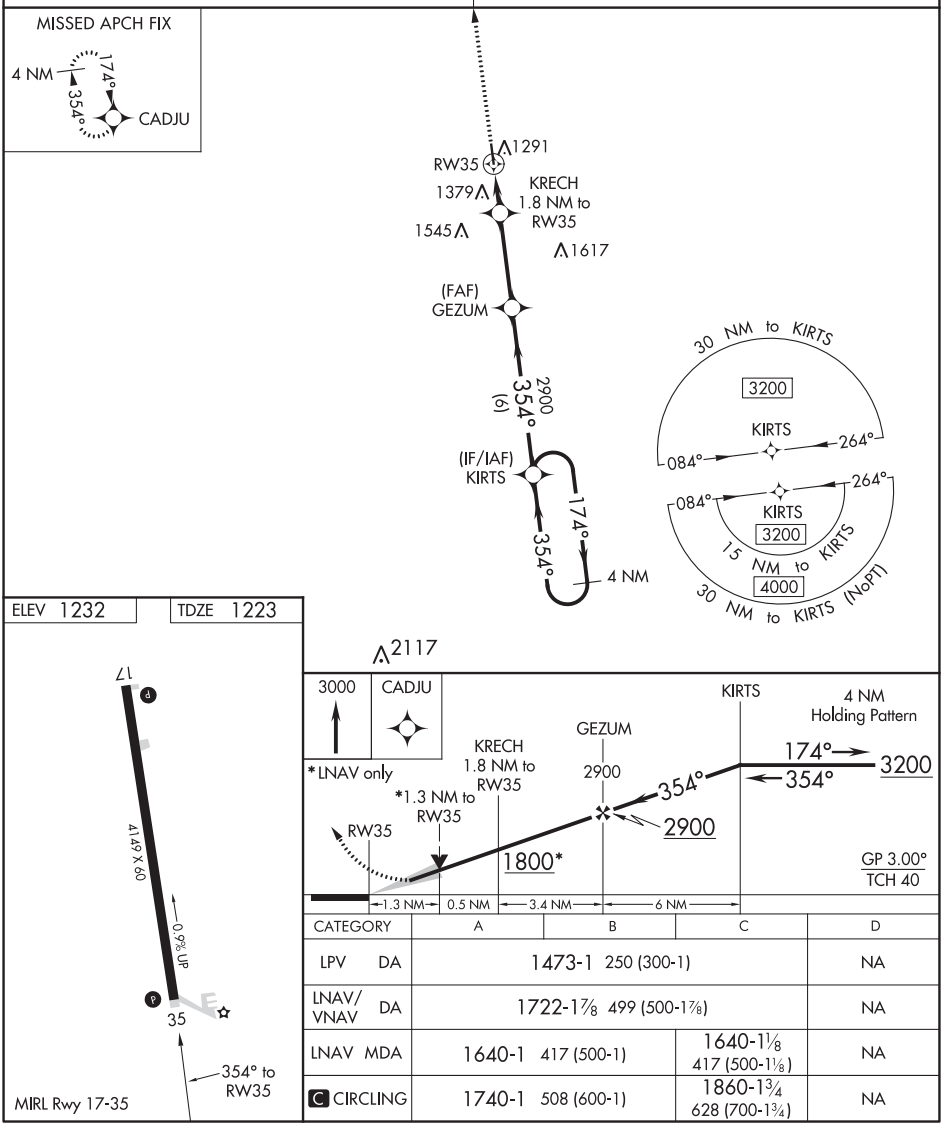
RNP APCH.

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). Baro-VNAV and VDP NA when using Decorah altimeter setting. Obtain local altimeter setting on CTAF; when not received, use Decorah altimeter setting and increase LPV DA to 1524 all Cats and all visibilities ⅛ mile, LNAV/VNAV DA to 1773 all Cats and all visibilities ⅛ mile; increase all MDA 60 feet and LNAV Cat C visibility ¼ mile.

MISSED APPROACH: Climb to 3000 direct CADJU and hold.

MINNEAPOLIS CENTER **118.85**

UNICOM **122.8** (CTAF)



CATEGORY	A	B	C	D
LPV DA	1473-1 250 (300-1)			NA
LNAV/VNAV DA	1722-1⅞ 499 (500-1⅞)			NA
LNAV MDA	1640-1 417 (500-1)		1640-1⅛ 417 (500-1⅛)	NA
C CIRCLING	1740-1 508 (600-1)		1860-1¾ 628 (700-1¾)	NA

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

19283

KNOB NOSTER, MISSOURI

ILS or LOC Y RWY 1

LOC I-SZL	APCH CRS	Rwy ldg	12,400
110.3	010°	TDZE	837
		Arpt Elev	871

AL-496 (USAF)

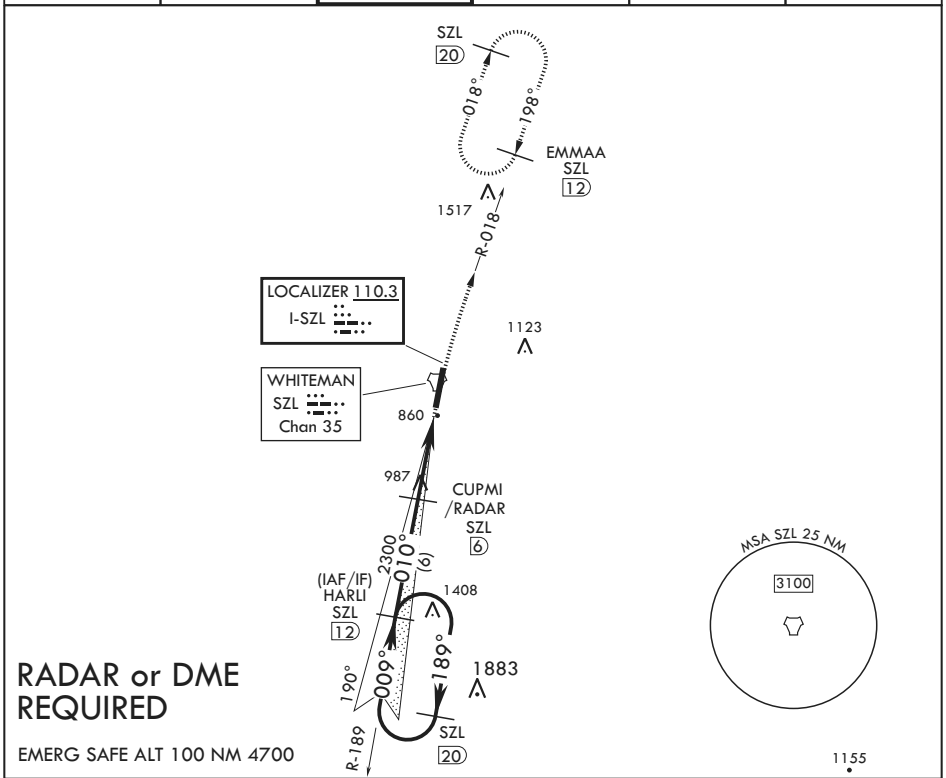
WHITEMAN AFB (KSZL)

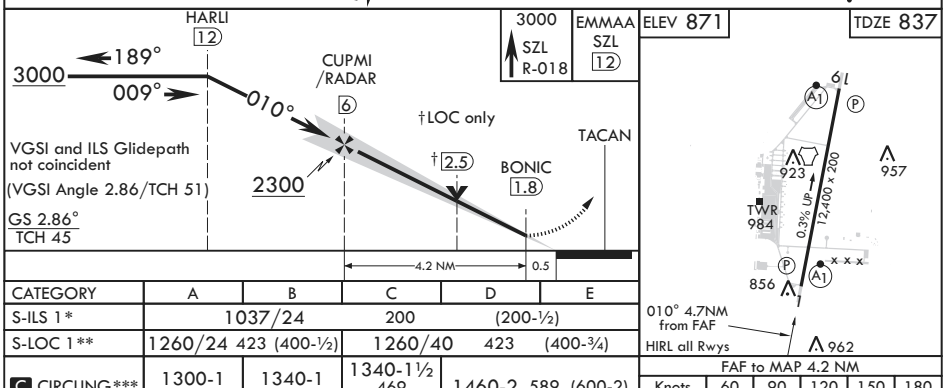
* When ALS inop, increase CAT ABCDE RVR to 40, vis to 3/4 mile.
** When ALS inop, increase CAT AB RVR to 55, vis to 1 mile; CAT CDE vis to 1 1/4 miles.
*** Circling not authorized W of Rwy 1-19.

ALSF-1 (A1)

MISSED APPROACH: Climb to 3000 via SZL TACAN R-018 to EMMAA and hold.

ATIS	APP CON	TOWER★	GND CON	CLNC DEL	ASR
118.725 239.025	127.45 284.0	132.4 318.8	128.275 275.8	121.75 335.8	





CATEGORY	A	B	C	D	E
S-ILS 1*	1037/24		200	(200-½)	
S-LOC 1**	1260/24	423 (400-½)	1260/40	423	(400-¾)
C CIRCLING***	1300-1 429 (500-1)	1340-1 469 (500-1)	1340-1½ 469 (500-1½)	1460-2 589 (600-2)	

FAF to MAP 4.2 NM

Knots	60	90	120	150	180
Min:Sec	4:12	2:48	2:06	1:41	1:24

KNOB NOSTER, MISSOURI

38°44'N - 93°33'W

WHITEMAN AFB (KSZL)

Amdt 1 10OCT19

ILS or LOC Y RWY 1

NC-3, 25 FEB 2021 to 22 APR 2021

KNOB NOSTER, MISSOURI

ILS or LOC Y RWY 19

LOC I-MXJ	APCH CRS	Rwy ldg 12,400
108.5	190°	TDZE 871
		Arpt Elev 871

AL-496 [USAF]

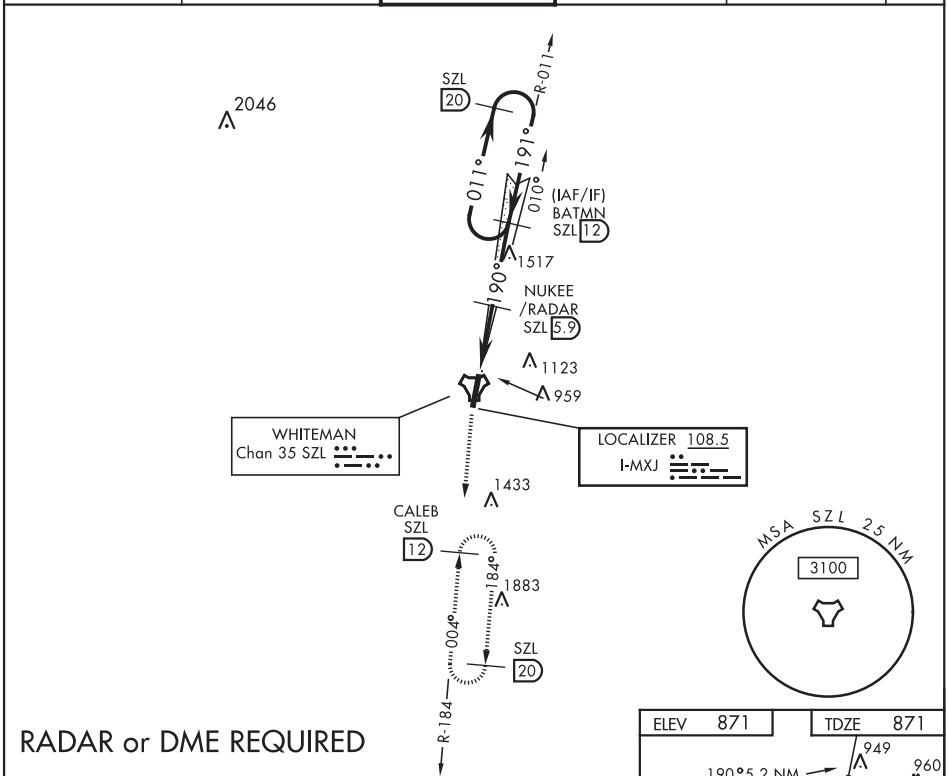
WHITEMAN AFB (KSZL)

T *When ALS inop, increase CAT ABCDE RVR to 40 and vis to ¾ mile.
**When ALS inop, increase CAT ABCDE RVR to 55 and vis to 1 mile.
***Circling not authorized W of Rwy 1-19.

ALSF-1

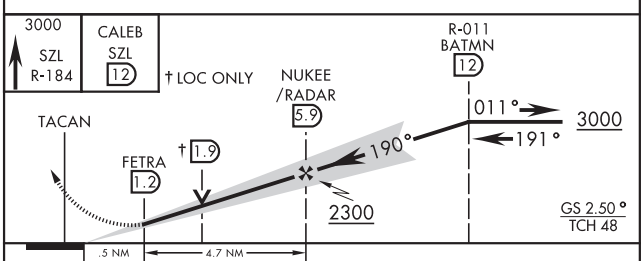
MISSED APPROACH: Climb to 3000 via SZL TACAN R-184 to CALEB and hold.

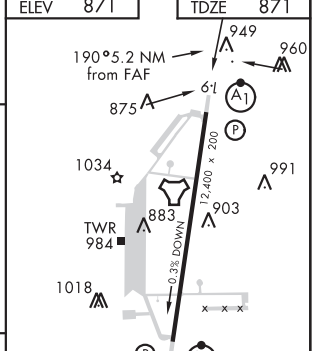
ATIS	WHITEMAN APP CON	WHITEMAN TOWER *	GND CON	CLNC DEL	ASR
118.725 239.025	127.45 284.0	132.4 318.8	128.275 275.8	121.75 335.8	



RADAR or DME REQUIRED

EMERG SAFE ALT 100 NM 4700





CATEGORY	A	B	C	D	E
S-ILS 19 *	1071/24 200 (200-½)				
S-LOC 19 **	1220/24 349 (400-½)		1220/30 349 (400-⅝)		
*** C CIRCLING	1300-1 429 (500-1)	1340-1 469 (500-1)	1340-1½ 469 (500-1½)	1460-2 589 (600-2)	

FAF to MAP 4.7 NM

Knots	60	90	120	150	180
Min:Sec	4:42	3:08	2:21	1:53	1:34

KNOB NOSTER, MISSOURI 38°43′N-93°33′W WHITEMAN AFB (KSZL)

Amdt 1 10OCT19

ILS or LOC Y RWY 19

NC-3, 25 FEB 2021 to 22 APR 2021

NC-3, 25 FEB 2021 to 22 APR 2021

19283

KNOB NOSTER, MISSOURI

RNAV (GPS) RWY 1

APCH CRS	Rwy ldg	12,400
010°	TDZE	837
	Arpt Elev	871

AL-496 (USAF)

WHITEMAN AFB (KSZL)

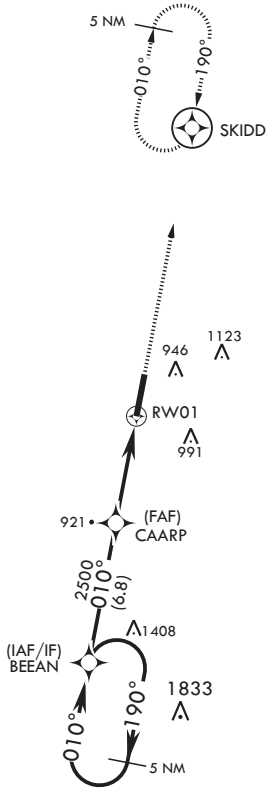
* When ALS inop, increase CAT AB RVR to 55 and vis to 1 mile, CAT CDE vis to 1 3/8 miles.
** Circling not authorized W of Rwy 1-19.

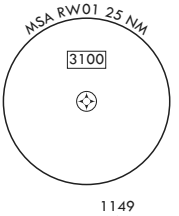
ALSF-1

MISSED APPROACH: Climb to 3000 direct SKIDD and hold.

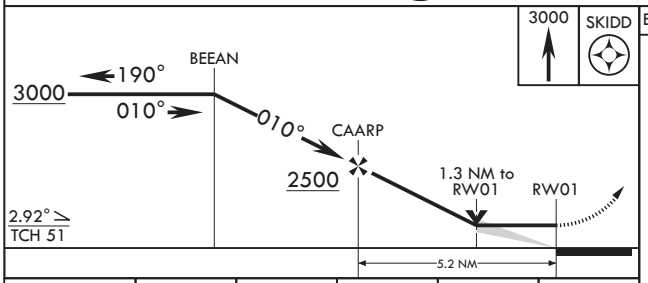
ATIS	APP CON	TOWER★	GND CON	CLNC DEL	ASR
118.725 239.025	127.45 284.0	132.4 318.8	128.275 275.8	121.75 335.8	

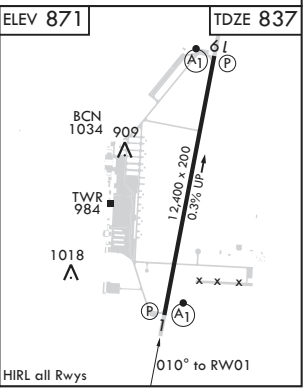
DME/DME RNP 0.3 N/A





EMERG SAFE ALT 100 NM 4700





CATEGORY	A	B	C	D	E
LNAV MDA*	1280/24 443 (500-½)		1280/45 443 (500-⅞)		
C CIRCLING**	1300-1 429 (500-1)	1340-1 469 (500-1)	1340-1½ 469 (500-1½)	1460-2 589 (600-2)	

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

KNOB NOSTER, MISSOURI

RNAV (GPS) RWY 19

WHITEMAN AFB (KSZL)

APCH CRS	Rwy ldg	12,400
190°	TDZE	871
	Arpt Elev	871

AL-496 (USAF)

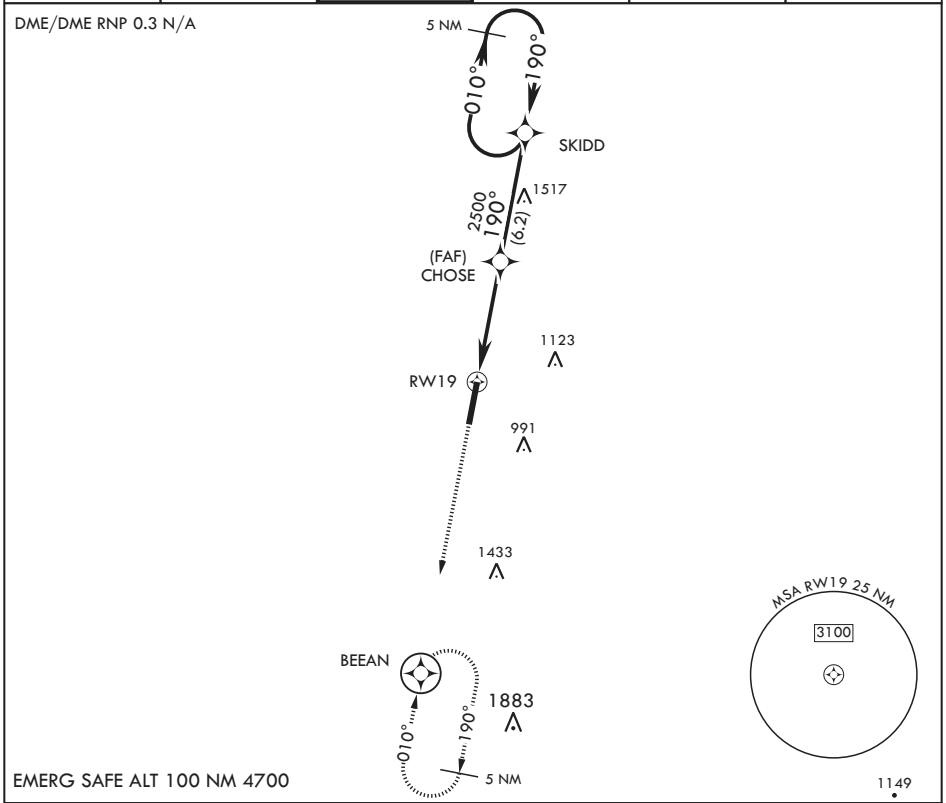
* When ALS inop, increase CAT AB RVR to 55 and vis to 1 mile, CAT CDE RVR to 60 and vis to 1 1/8 miles.
** Circling not authorized W of Rwy 1-19.

ALSF-1

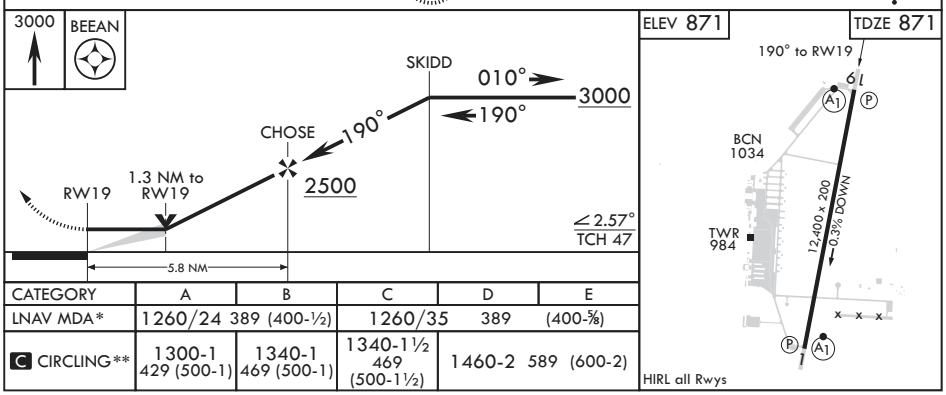
MISSED APPROACH: Climb to 3000 direct BEEAN and hold.

ATIS	APP CON	TOWER★	GND CON	CLNC DEL	ASR
118.725 239.025	127.45 284.0	132.4 318.8	128.275 275.8	121.75 335.8	

DME/DME RNP 0.3 N/A



EMERG SAFE ALT 100 NM 4700



CATEGORY	A	B	C	D	E
LNAV MDA*	1260/24 389 (400-½)		1260/35 389 (400-⅝)		
C CIRCLING**	1300-1 429 (500-1)	1340-1 469 (500-1)	1340-1½ 469 (500-1½)	1460-2 589 (600-2)	

KNOB NOSTER, MISSOURI

38°44'N - 93°33'W

WHITEMAN AFB (KSZL)

Amdt 6 10OCT19

RNAV (GPS) RWY 19

NC-3, 25 FEB 2021 to 22 APR 2021

19283

KNOB NOSTER, MISSOURI

TACAN Y RWY 1

TACAN SZL Chan **35**	APCH CRS **004°**	Rwy ldg **12,400** TDZE **837** Arpt Elev **871**

AL-496 (USAF)

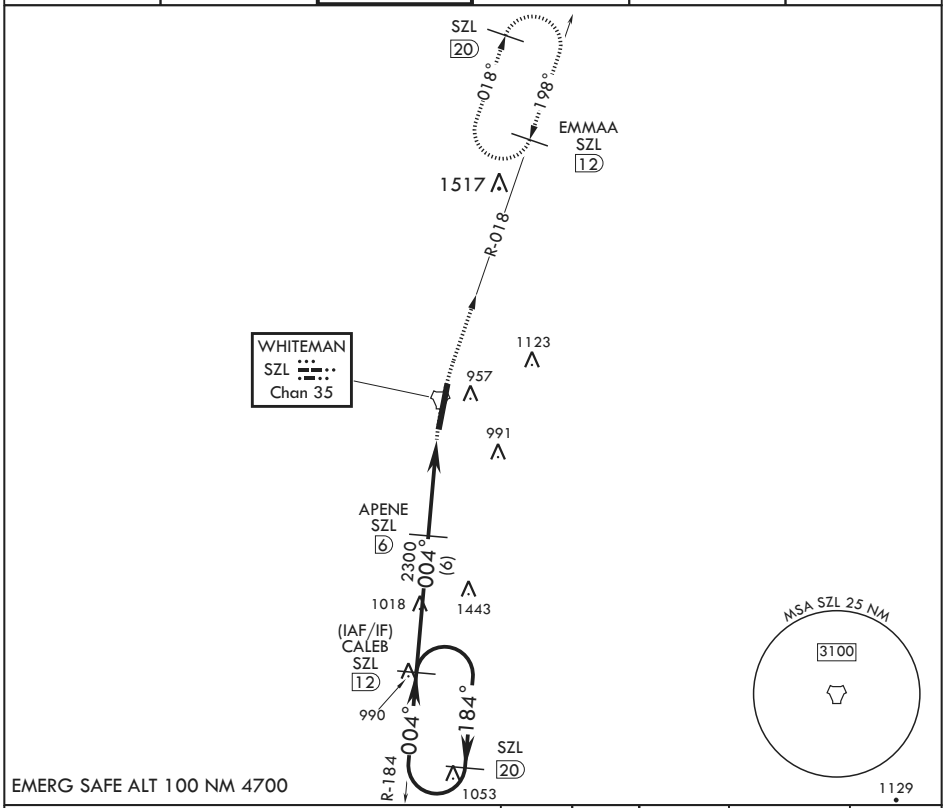
WHITEMAN AFB (KSZL)

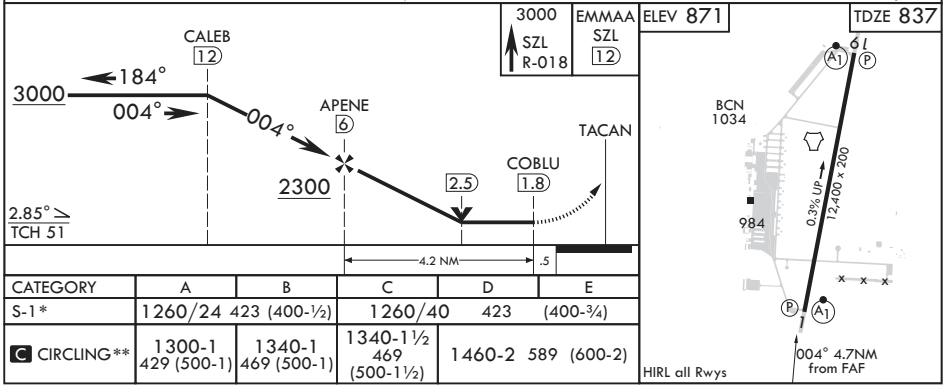
* When ALS inop, increase CAT AB RVR to 55 and vis to 1 mile, CAT CDE vis to 1 1/4 miles.
** Circling not authorized W of Rwy 1-19.

ALSF-1

MISSED APPROACH: Climb to 3000 via SZL TACAN R-018 to EMMAA and hold.

ATIS	APP CON	TOWER★	GND CON	CLNC DEL	ASR
118.725 239.025	127.45 284.0	132.4 318.8	128.275 275.8	121.75 335.8	





CATEGORY	A	B	C	D	E
S-1*	1260/24 423 (400-½)		1260/40 423 (400-¾)		
C CIRCLING**	1300-1 429 (500-1)	1340-1 469 (500-1)	1340-1½ 469 (500-1½)	1460-2 589 (600-2)	

NC-3, 25 FEB 2021 to 22 APR 2021

KNOB NOSTER, MISSOURI

38°44'N - 93°33'W

WHITEMAN AFB (KSZL)

Amdt 1 10OCT19

TACAN Y RWY 1

KNOB NOSTER, MISSOURI

TACAN Y RWY 19

TACAN SZL Chan 35	APCH CRS 198°	Rwy ldg 12,400 TDZE 871 Arpt Elev 871

AL-496 (USAF)

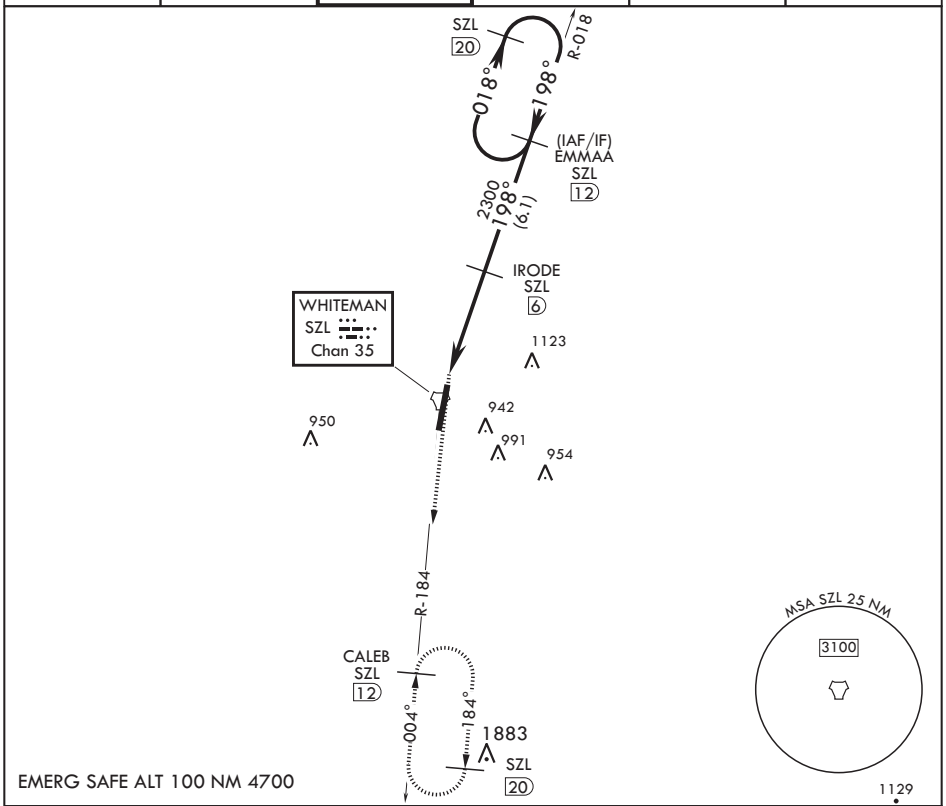
WHITEMAN AFB (KSZL)

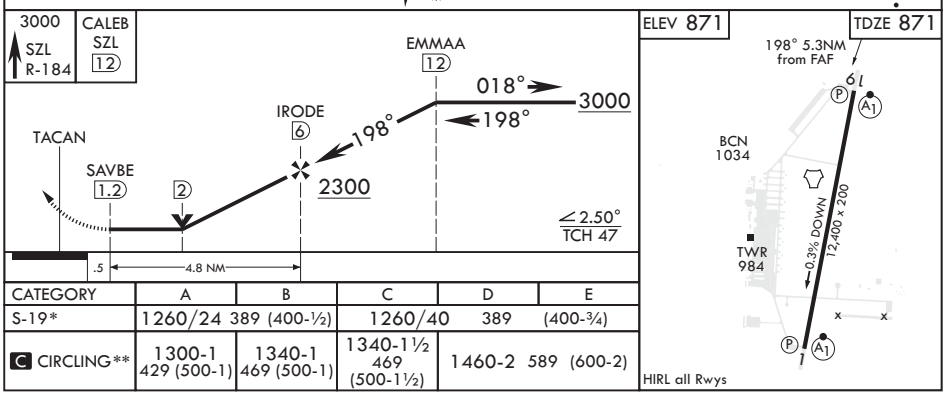
* When ALS inop, increase CAT AB RVR to 55 and vis to 1 mile, CAT CDE RVR to 60 and vis to 1 1/8 miles.
** Circling not authorized W of Rwy 1-19.

ALSF-1

MISSED APPROACH: Climb to 3000 via SZL TACAN R-184 to CALEB and hold.

ATIS	APP CON	TOWER*	GND CON	CLNC DEL	ASR
118.725 239.025	127.45 284.0	132.4 318.8	128.275 275.8	121.75 335.8	





CATEGORY	A	B	C	D	E
S-19*	1260/24 389 (400-½)		1260/40	389	(400-¾)
C CIRCLING**	1300-1 429 (500-1)	1340-1 469 (500-1)	1340-1½ 469 (500-1½)	1460-2 589 (600-2)	

KNOB NOSTER, MISSOURI

38°44'N - 93°33'W

WHITEMAN AFB (KSZL)

Amdt 1 07NOV19

TACAN Y RWY 19

NC-3, 25 FEB 2021 to 22 APR 2021

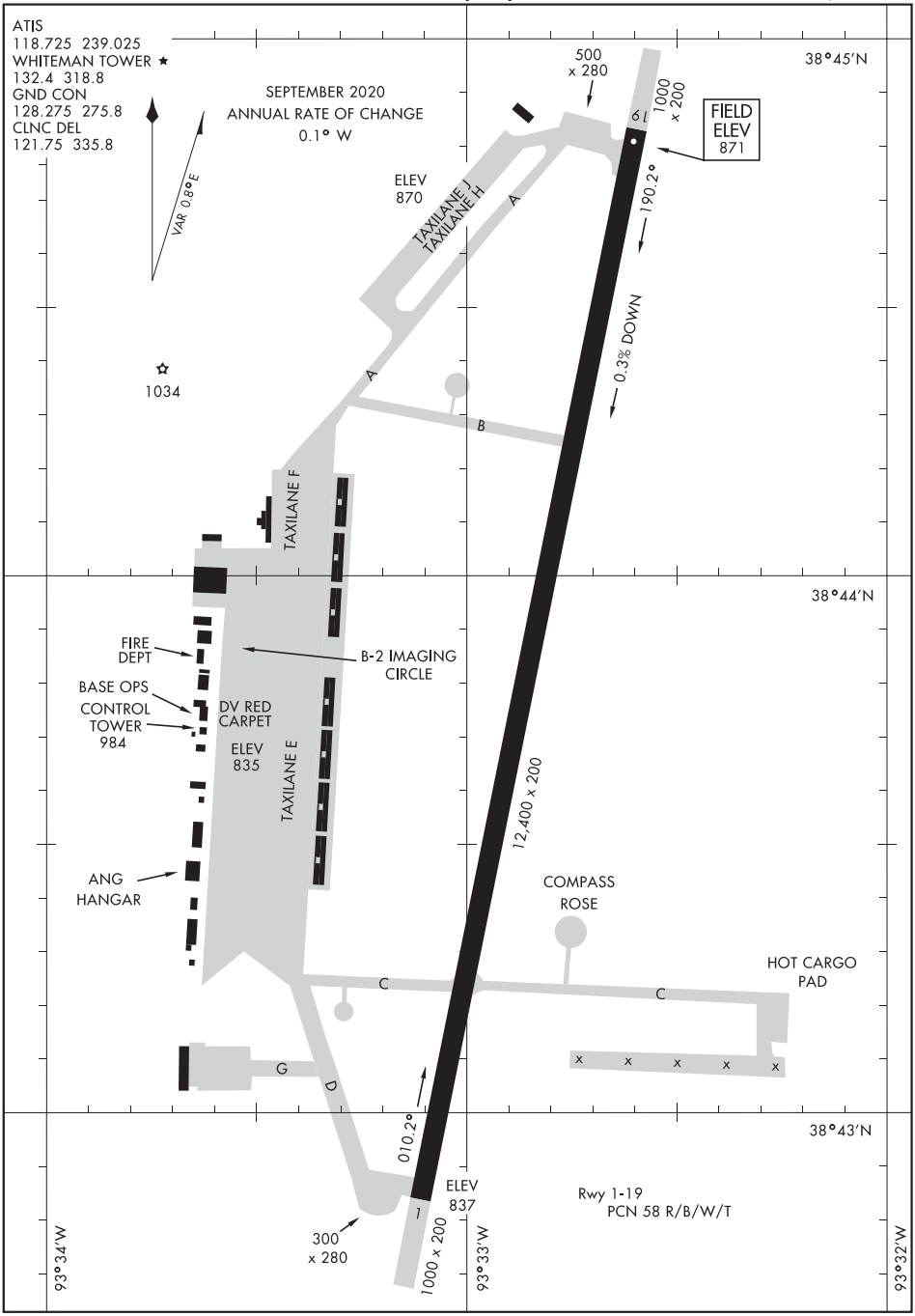
20254

AIRPORT DIAGRAM

WHITEMAN AFB (KSZL)

AFD-496 [USAF]

KNOB NOSTER, MISSOURI



NC-3, 25 FEB 2021 to 22 APR 2021

AIRPORT DIAGRAM

KNOB NOSTER, MISSOURI

WHITEMAN AFB (KSZL)

APP CRS	Rwy ldg	2827
141°	TDZE	1116
	Apt Elev	1116

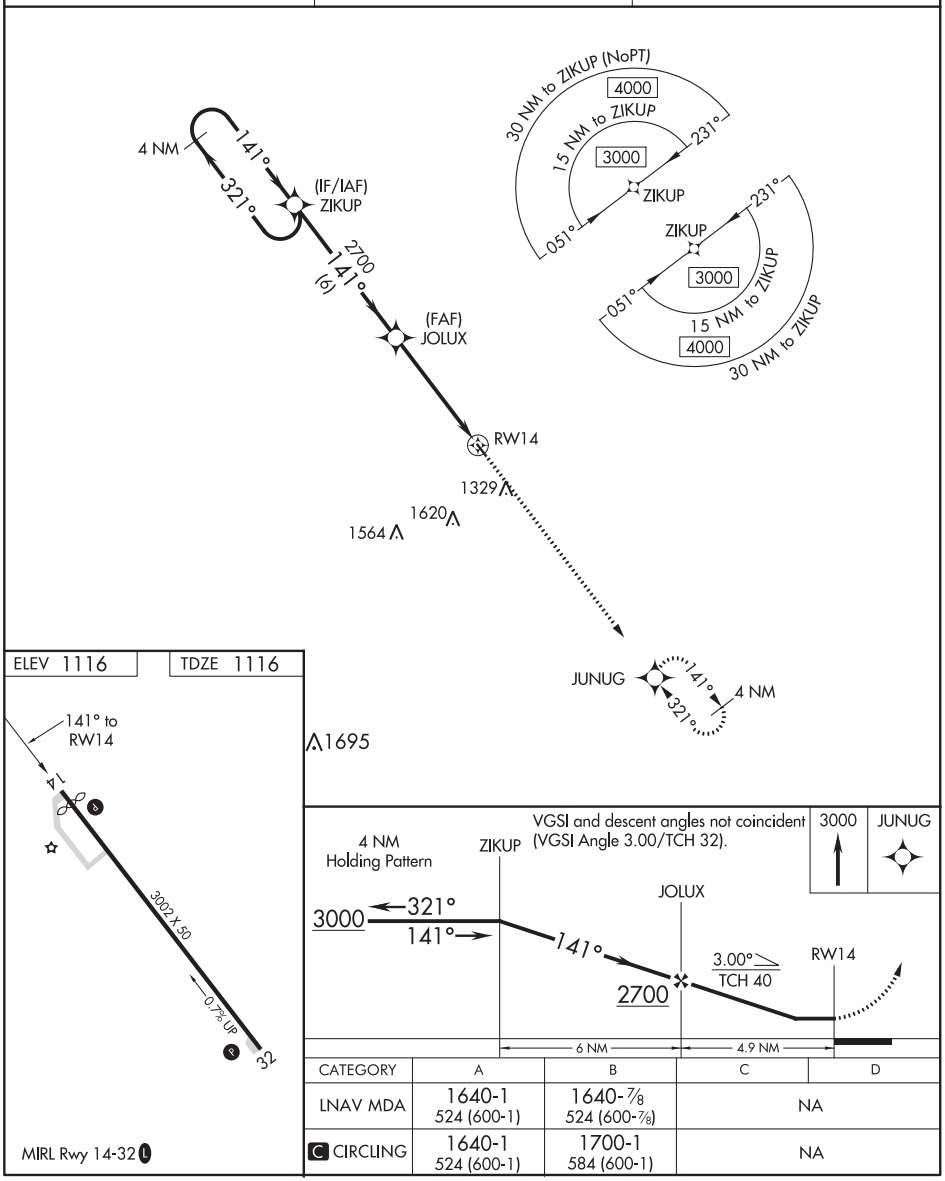
RNAV (GPS) RWY 14
WINTERSET MUNI (3Y3)

Use Osceola altimeter setting; when not received, use Des Moines altimeter setting and increase all MDA 20 feet. DME/DME RNP-0.3 NA. Procedure NA at night. Helicopter visibility reduction below 1 SM NA.

NA

MISSED APPROACH: Climb to 3000 direct JUNUG and hold.

I75 AWOS-3	DES MOINES APP CON	UNICOM
120.975	135.2 360.7	122.7 (CTAF)



CATEGORY	A	B	C	D
LNAV MDA	1640-1 524 (600-1)	1640-⅞ 524 (600-⅞)	NA	
C CIRCLING	1640-1 524 (600-1)	1700-1 584 (600-1)	NA	

NC-3, 25 FEB 2021 to 22 APR 2021
NC-3, 25 FEB 2021 to 22 APR 2021

WINTERSET, IOWA | AL-6953 (FAA) | 20030

RNAV (GPS) RWY 32

WINTERSET MUNI (3Y3)

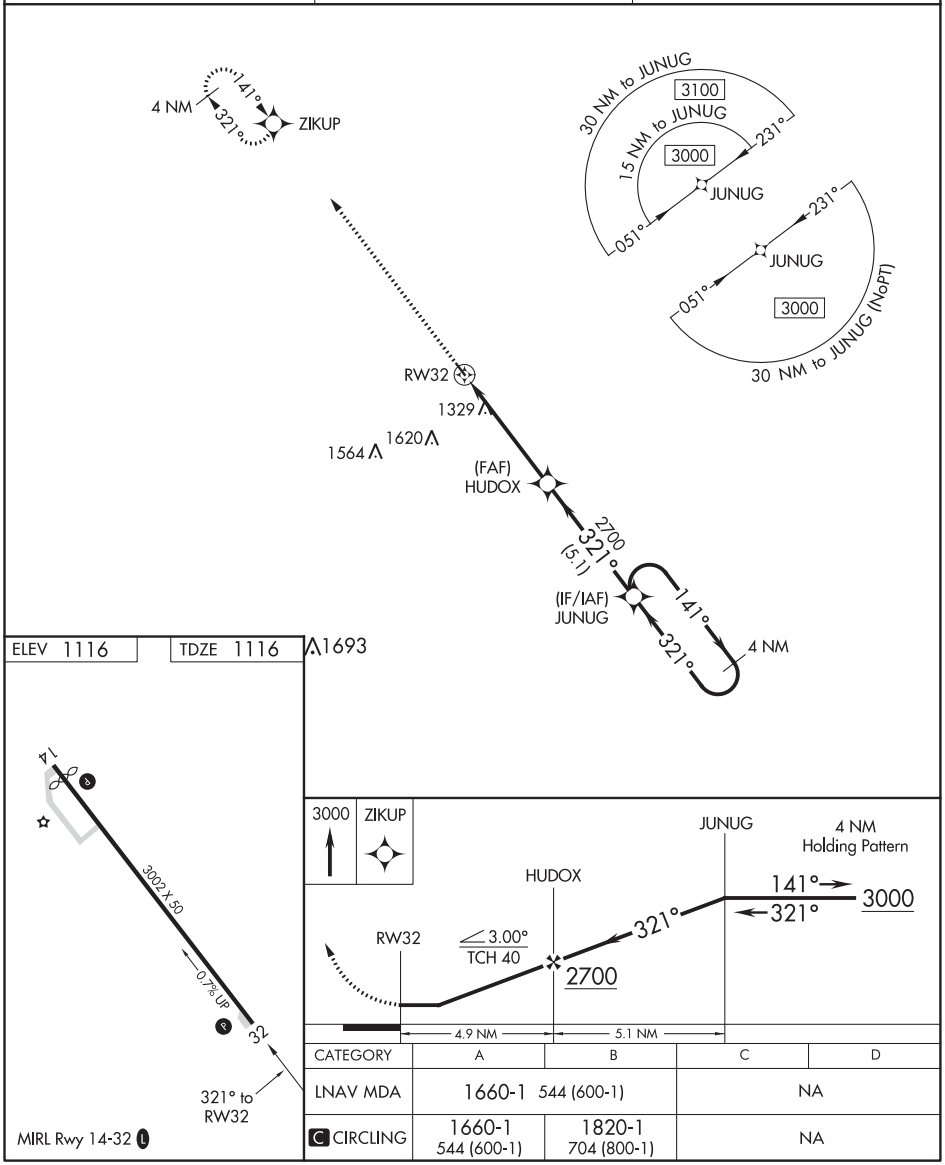
APP CRS	Rwy ldg	3002
321°	TDZE	1116
	Apt Elev	1116

RNP APCH.

Use Osceola altimeter setting; when not received, use Des Moines altimeter setting and increase all MDA 20 feet. Circling Rwy 14 NA at night.

MISSED APPROACH: Climb to 3000 direct ZIKUP and hold.

I75 AWOS-3	DES MOINES APP CON	UNICOM
120.975	135.2 360.7	122.7 (CTAF) L



CATEGORY	A	B	C	D
LNAV MDA	1660-1 544 (600-1)		NA	
C CIRCLING	1660-1 544 (600-1)	1820-1 704 (800-1)	NA	

CLIMB/DESCENT TABLE 10042

INSTRUMENT TAKEOFF OR APPROACH PROCEDURE CHARTS
RATE OF CLIMB/DESCENT TABLE

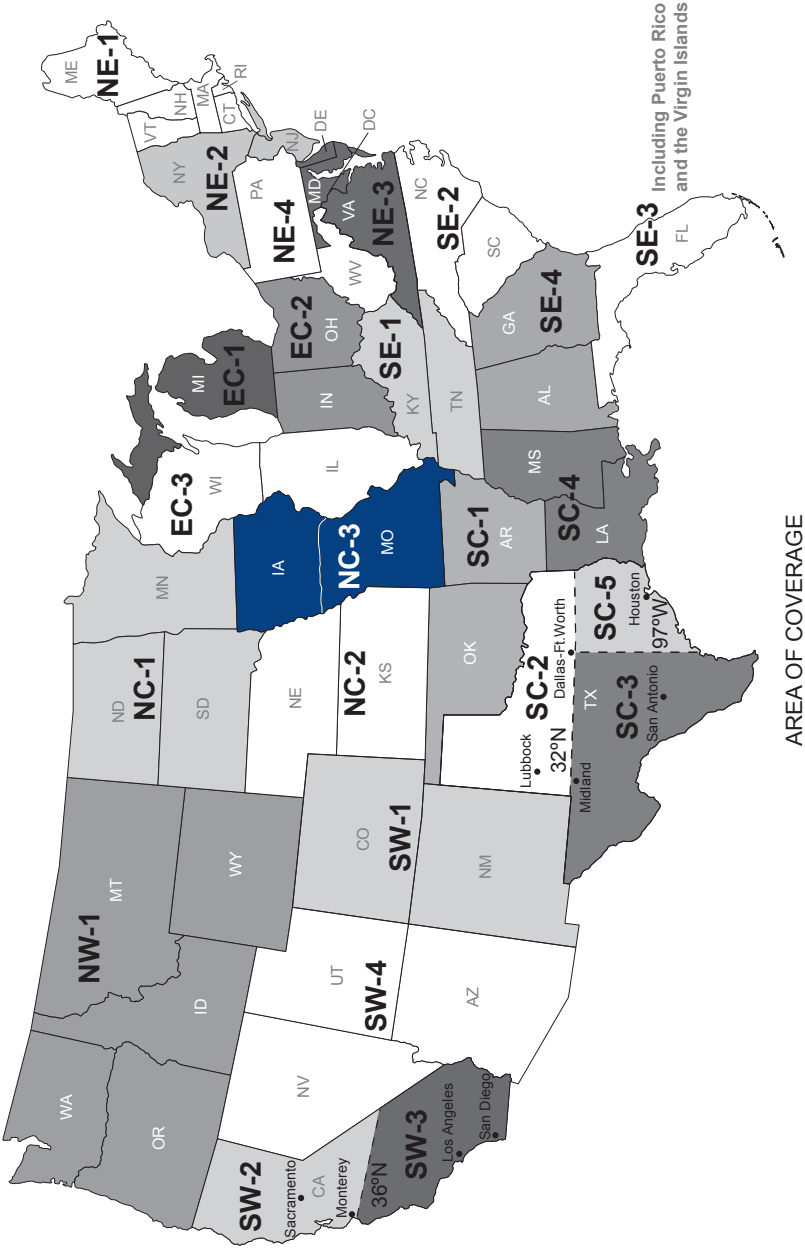
(ft. per min)

A rate of climb/descent table is provided for use in planning and executing climbs or descents under known or approximate ground speed conditions. It will be especially useful for approaches when the localizer only is used for course guidance. A best speed, power, altitude combination can be programmed which will result in a stable glide rate and altitude favorable for executing a landing if minimums exist upon breakout. Care should always be exercised so that minimum descent altitude and missed approach point are not exceeded.

CLIMB/ DESCENT ANGLE (degrees and tenths)	ft/NM	GROUND SPEED (knots)										
		60	90	120	150	180	210	240	270	300	330	360
2.0	210	210	320	425	530	635	743	850	955	1060	1165	1275
2.5	265	265	400	530	665	795	930	1060	1195	1325	1460	1590
VERTICAL PATH ANGLE 2.7	287	287	430	574	717	860	1003	1147	1290	1433	1576	1720
2.8	297	297	446	595	743	892	1041	1189	1338	1486	1635	1783
2.9	308	308	462	616	770	924	1078	1232	1386	1539	1693	1847
3.0	318	318	478	637	797	956	1115	1274	1433	1593	1752	1911
3.1	329	329	494	659	823	988	1152	1317	1481	1646	1810	1975
3.2	340	340	510	680	850	1020	1189	1359	1529	1699	1869	2039
3.3	350	350	526	701	876	1052	1227	1402	1577	1752	1927	2103
3.4	361	361	542	722	903	1083	1264	1444	1625	1805	1986	2166
3.5	370	370	555	745	930	1115	1300	1485	1670	1860	2045	2230
4.0	425	425	640	850	1065	1275	1490	1700	1915	2125	2340	2550
4.5	480	480	715	955	1195	1435	1675	1915	2150	2390	2630	2870
5.0	530	530	795	1065	1330	1595	1860	2125	2390	2660	2925	3190
5.5	585	585	880	1170	1465	1755	2050	2340	2635	2925	3220	3510
6.0	640	640	960	1275	1595	1915	2235	2555	2875	3195	3510	3830
6.5	690	690	1040	1385	1730	2075	2425	2770	3115	3460	3805	4155
7.0	745	745	1120	1490	1865	2240	2610	2985	3355	3730	4105	4475
7.5	800	800	1200	1600	2000	2400	2800	3200	3600	4000	4400	4800
8.0	855	855	1280	1710	2135	2560	2990	3415	3845	4270	4695	5125
8.5	910	910	1360	1815	2270	2725	3180	3630	4085	4540	4995	5450
9.0	960	960	1445	1925	2405	2885	3370	3850	4330	4810	5295	5775
9.5	1015	1015	1525	2035	2540	3050	3560	4065	4575	5085	5590	6100
10.0	1070	1070	1605	2145	2680	3215	3750	4285	4820	5355	5890	6430

CLIMB/DESCENT TABLE 10042

U.S. TERMINAL PUBLICATION VOLUMES



FAA Product ID: BTPPNC3

NSN 7641015059581

EFF. DATE 21056

NGA REF. NO. OK-10-2859 TERMXFAABTPPNC3