

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**

TITLE 14 CFR PART 97.33

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<u>AIRPORT ID</u> KLRJ	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 18	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> LE MARS	<u>STATE</u> IA		
<u>AIRPORT ELEVATION</u> 1197	<u>TDZE</u> 1197	<u>SUPERSEDED</u> RNAV (GPS) RWY 18	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 10/15/2015	<u>MAG VAR</u> 3E	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> 12/31/2020	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 095/30 CW 275/30	NOPT	ETNOE	IF/IAF	4000
2. 275/30 CW 095/30		ETNOE	IAF	4400

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ETNOE	IF/IAF	CREEC		TF	FB	1.00	185.01	6.23	3000
CREEC	FAF	ATUXE/2.09 NM TO RW18		TF	FB	0.30	184.99	3.45	
ATUXE/2.09 NM TO RW18		RW18	MAP	TF	FO	0.30	184.99	2.09	
RW18	MAP	1479 MSL		CA			184.99		
1479 MSL		JAGBU		DF	FB	1.00			
JAGBU		FEXAT		TF	FO	1.00	133.04	12.32	4500

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW18

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4500 DIRECT JAGBU AND ON TRACK 133.04 TO FEXAT AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD N ETNOE, RT, 185.01 INBOUND, 4000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 184.99FAF: CREECDIST FAF TO MAP: 5.55DIST FAF TO THLD: 5.55

4. MIN ALT: ETNOE 4000, CREEC 3000, ATUXE/2.09 NM TO RW18 1900*

5. DIST TO THLD FROM OM:MM:IM:150 HAT:282 HAT: 0.77GS ANT:

6. MIN GP INCPT: 3000GP ALT AT FAF : CREEC 3000OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS NOT CLEAR20:1: IS CLEARTCH: 40.0

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 18 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 043.35 INBOUND.
CHART FAS OBST: 1392 TREE 424831N/0961140W.
CHART 1518 TOWER 425247N/0961012W, 1480 ANTENNA 424916N/0961035W.
CHART VDP AT 1.33 NM TO RW18*
*LNAV ONLY.
WAAS CHANNEL # 78415
REFERENCE PATH ID: W18A
CHART CIRCLING ICON.
LTP HAE: 337.5 M

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.



CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	1479	1	282	1479	1	282	1479	1	282		NA				
LNAV/VNAV DA	1691	1 3/8	494	1691	1 3/8	494	1691	1 3/8	494		NA				
LNAV MDA	1660	1	463	1660	1	463	1660	1 3/8	463		NA				
CIRCLING	1760	1	563	1780	1	583	1840	1 3/4	643		NA				

CHANGES - REASONS

1. REMOVED CHART NOTE: DME/DME RNP-0.3 NA AND ADDED PBN REQUIREMENTS NOTE: RNP APCH - 8260.19H
2. UPDATED AND MOVED BACK-UP ALTIMETER NOTE TO THE -9 - 8260.19H
3. CHANGED CHART NOTE FROM: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C (2°F) OR ABOVE 54°C (130°F). TO FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C. - UPDATED NOTE IAW 8260.19H
4. ADDED CHART NOTE: RUNWAY 18 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA - 34:1 IS PENETRATED.
5. CIRCLING CAT B MINS CHANGED FROM CMDA/HAA OF 1820/623 TO 1780/583 - NEW CAT B CIRC CONTROLLER.
6. CIRCLING CAT C MINS CHANGED FROM CMDA/HAA OF 1820/623 TO 1840/643 - CIRCLING EXPANDED.
7. ADDED CHART CIRCLING ICON - EXPANDED CIRCLING APPLIED.
8. CHANGED ADDITIONAL FLIGHT DATA FROM CHART VDP AT 1.38 MILES TO RW18* TO CHART VDP AT 1.33 NM TO RW18* - FAF AND STEPDOWN FIX MOVED FOR ALIGNMENT.
9. COURSE DISTANCE FOR TERMINAL ROUTE FROM ETNOE TO CREEC CHANGED FROM 185.00/6.30 TO 185.01 AND 6.23 - FAF MOVED.
10. ATUXE/2.10 NM TO RW18 CHANGED TO ATUXE/2.09 NM TO RW18, TERMINAL ROUTE FOR ATUXE TO RW18 DISTANCE CHANGED AS WELL. - FIX ATUXE MOVED FOR ALIGNMENT.
11. CRC REMAINDER CHANGED FROM B2681980 TO 7818F4DE - FAF MOVED FOR ALIGNMENT AND THRESHOLD DISPLACED.
12. LPV MINS CHANGED FROM HAT 250/DA 1447 TO HAT 282/DA 1479 - MISSED APPROACH PENETRATOR.
13. LNAV/VNAV MINS CHANGED FROM HAT 514/DA 1711 AND VISIBILITY ALL CATS 1 3/4 SM TO HAT 494/DA 1691 AND VISIBILITY ALL CATS 1 3/8 SM. - NEW LNAV/VNAV CONTROLLING OBSTACLE.
14. ADDED CHART 1518 TOWER 425247N/0961012W, 1480 ANTENNA 424916N/0961035W TO ADDITIONAL FLIGHT DATA - OBSTACLES ARE 7:1 EXCLUDED.
15. REMOVED CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). - VGSI REMOVED FROM RUNWAY.

11/23/2020: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 9/11/2020.

1. REQUIRED EFFECTIVE DATE CHANGED FROM ROUTINE TO 12/31/2020.

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZMP, SUX APP CON, AMGR

FLIGHT CHECKED BY

PENDING

Digitally signed by

DAVID TEFFETELLER

Nov 23, 2020

OFFICE**DATE****DEVELOPED BY**

TYLER MITCHELL

Digitally signed by

TYLER D MITCHELL

Nov 23, 2020

OFFICE

AJV-A432

DATE

08/11/2020

APPROVED BY

LONNIE EVERHART

Digitally signed by

DAVID TEFFETELLER

Nov 23, 2020

OFFICE

AJV-A430

DATE

TITLE
MANAGER

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLRJ
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	424704.6165N
LTP/FTP LONGITUDE	0961132.7325W
LTP/FTP ELLIPSOIDAL HEIGHT	+03375
FPAP LATITUDE	424531.9600N
FPAP LONGITUDE	0961150.3600W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1440
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	7818F4DE

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03638
FPAP ORTHOMETRIC HEIGHT	+03638



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

<u>AIRPORT ID</u> KLRJ	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 18	<u>AMDT NO.</u> 2	<u>CITY</u> LE MARS	<u>STATE</u> IA	<u>AIRPORT ELEVATION</u> 1197	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM
095/30 CW 275/30

TO
ETNOE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
												TOWER (46-000134)	430301.47N/0964702.20W	2164	20	3	1A	1000				AT836	4000
												TERRAIN	432112.00N/0955021.00W	1656 (1700)								AS1500	3200

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

STRAIGHT-IN AREA

FROM
275/30 CW 095/30

TO
ETNOE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
												TOWER (19-000403)	423512.00N/0961358.00W	3370	500	125	5E	1000					4400
												TERRAIN	424315.00N/0963315.00W	1522 (1500)								AS1500	3000

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE

FROM
ETNOE (IF/IAF)

TO
CREEC

RNP	DISTANCE 6.23	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	425348.00N/0960812.00W		1615	164	98	4E	500				AC98 AT787	3000
TERRAIN	425751.00N/0960645.00W		1420 (1400)								AS1500	2900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM
CREEC

TO
RW18

<u>RNP</u>	<u>DISTANCE</u> 5.55	<u>PAT</u>	<u>MAP</u> DA	<u>HAT</u> 282			<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE (19-057490)	424734.38N/0961134.09W		1285	20	3	1A		34.00:1			SA-4 MA32	1479

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV/VNAV

FROM
CREEC

TO
RW18

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	5.55		DA		494							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (19-044069)	424831.44N/0961139.78W		1392	20	3	1A		23.40:1				1691

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

FINAL: LNAV

FROM
CREEC

TO
ATUXE/2.09 NM TO RW18

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	3.45											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	425040.14N/0961031.06W		1550	50	20	2C	250				RA59 DG41	1900

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:



FINAL: LNAV STEPDOWN

FROM
ATUXE/2.09 NM TO RW18

TO
RW18

<u>RNP</u>	<u>DISTANCE</u> 2.09	<u>PAT</u>	<u>MAP</u> RW18	<u>HAT</u> 463			<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE (19-044069)	424831.44N/0961139.78W		1392	20	3	1A	250					1660

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

HOLD-IN-LIEU OF PT

FROM
ETNOE

TO
P-5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u> P-5	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (19-001315)	430534.00N/0960925.00W	1941	500	50	5D	1000				AT1059	4000
TERRAIN	430315.00N/0960539.00W	1581 (1600)								AS1500	3100

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:



MISSED APPROACH : LPV

FROM
DA

TO
FEXAT

RNP	DISTANCE	PAT	MAP	HAT			HMAS 1276					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (19-057490)	424734.38N/0961134.09W		1285	20	3	1A		ASC				4500
AAO	423657.00N/0960148.00W		1638	164	98	4E	1000					2700
TERRAIN	423657.00N/0960148.00W		1437 (1400)								AS1500	2900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH : LNAV/VNAV

FROM
DA

TO
FEXAT

RNP	DISTANCE	PAT	MAP	HAT			HMAS 1541					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				4500
AAO	423657.00N/0960148.00W		1638	164	98	4E	1000					2700
TERRAIN	423657.00N/0960148.00W		1437 (1400)								AS1500	2900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH : LNAV

FROM
RW18

TO
FEXAT

RNP	DISTANCE	PAT	MAP	HAT			HMAS 1560					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				4500
AAO	423657.00N/0960148.00W		1638	164	98	4E	1000					2700
TERRAIN	423657.00N/0960148.00W		1437 (1400)								AS1500	2900

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

CIRCLING ☐ ALL CATS ☒ CAT A ☒ CAT B ☒ CAT C ☐ CAT D ☐ CAT E ☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TANK (19-027342)	424553.15N/0961025.61W	1.31	563	1459	50	20	2C	300			1760
CATEGORY B											
ANTENNA (19-040691)	424748.52N/0960944.86W	1.85	583	1469	20	10	1B	300			1780
CATEGORY C											
TOWER (19-057292)	424641.10N/0960757.89W	2.91	643	1526	20	10	1B	300			1840

CIRCLING REMARKS:

CENTERRADIUS

REMARKS:



NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

VEGETATION 80 FT PER FPT



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
ZMP ARTCC, SUX APP CON, FOD FSS

<u>WX SERVICE</u> AWOS-3P	<u>LOCATION</u> KLRJ	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KLRJ	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> AWOS-3P	<u>LOCATION</u> KSXK	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KSXK	<u>DISTANCE</u> 12.715	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 59

WX REMARKS:
RASS PRESSURE PATTERNS THE SAME
KLRJ 1197, KSXK 1409
RA = 59.0.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW18 - MIRL (PCL), REIL		NPI-G	
RW36 - MIRL (PCL), REIL (PCL)		NPI-G	

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 1193.7	<u>TCH</u> 40.0	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE	300
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE		

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u> -17C	<u>CRITICAL HIGH</u> +54C	<u>ACT</u> -17C	<u>APT ISA</u> +12.63C
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CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 832 HIGH TEMP 1183.



"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	RWY 18		
34:1			
1285 TREE (19-057490) 424734.38N/0961134.09W (9.83)		1261 TREE (19-057244) 424729.27N/0961133.85W (0.82)	

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or
5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

CONTINGENCY NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MAURICE ALTIMETER SETTING AND INCREASE LPV DA TO 1538 FEET, LNAV/VNAV DA TO 1750 FEET AND INCREASE LNAV/VNAV VISIBILITY ALL CATS TO 1 5/8 SM ; INCREASE ALL MDA 60 FEET, INCREASE LNAV CAT C VISIBILITY TO 1 1/2 SM, INCREASE CIRCLING CAT C VISIBILITY TO 2 SM. BARO-VNAV AND VDP NA WHEN USING MAURICE ALTIMETER SETTING.

ORDER 8260.3 CHAPTER 2 APPLIED TO 1518 TOWER (19-050432) 425247.06N/0961011.76W.
ORDER 8260.3 CHAPTER 2 APPLIED TO 1480 ANTENNA (19-042983) 424916.38N/0961034.83W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



AIRPORT ID KLRJ	PROCEDURE NAME RNAV (GPS) RWY 18	AMDT NO. 2	CITY LE MARS	STATE IA	AIRPORT ELEVATION 1197	FACILITY RNAV
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PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.66
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	187.99
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1400
DISTANCE FROM	THLD	TO 1500FT POINT	5.35
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	187.99
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	1400

THRESHOLD COORDINATES (IF STR-IN)

424704.62N/0961132.73W

ARP COORDINATES

424642.83N/0961136.88W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 18 DISTANCE 0.42 NM

FAF COORDINATES

425234.26N/0961029.94W

FIX NAME COORDINATES

IF/IAF ETNOE: 425844.51N/0960919.14W

REMARKS

30 NM TAA FROM ETNOE
THLD DISPLACED 300FT, ACTUAL COORDINATES: 424707.55N/0961132.17W.

QUALITY
18
CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

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PART E: PREPARED BY

<u>NAME</u> TYLER MITCHELL	<u>OFFICE</u> AJV-A432	<u>DATE</u> 08/11/2020	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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