

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> KGPM	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 36	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> GRAND PRAIRIE	<u>STATE</u> TX		
<u>AIRPORT ELEVATION</u> 590	<u>TDZE</u> 588	<u>SUPERSEDED</u> RNAV (GPS) RWY 36	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 06/17/2021	<u>MAG VAR</u> 3E	<u>EPOCH YEAR</u> 2025
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
ERGEY	IF	NAWXY		TF	FB	1.00	357.34	6.02	2000
NAWXY	FAF	CUXPI	MAP	TF	FO	0.30	357.34	2.45	
CUXPI	MAP	990 MSL		CA			357.34		
990 MSL		NAHMU		DF	FO	1.00			2400

MISSED APPROACH

MAP:

LNAV: CUXPI

MISSED APPROACH INSTRUCTIONS:

CLIMBING LEFT TURN TO 2400 DIRECT NAHMU AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT ERGEY
- FAC: 357.34 FAF: NAWXY DIST FAF TO MAP: 2.45 DIST FAF TO THLD: 4.31
- MIN ALT: ERGEY 2000, NAWXY 2000
- DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT:
- MIN GP INCPT: GP ALT AT FAF : OM: MM: IM:
- GP ANGLE: 34:1: IS CLEAR 20:1: IS CLEAR TCH:
- MSA FROM: CUXPI 3600



EQUIPMENT REQUIREMENTS NOTE:

RADAR REQUIRED
RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING RWY 18 NA AT NIGHT.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

ADDITIONAL FLIGHT DATA:

CHART: 2549 TOWER (48-012293) 331942.42N/0970357.04W.
HOLD S, LT, 360.00 INBOUND.
CHART FAS OBST: 706 AMUSEMENT_PARK_STRUCTURE (48-033255) 324142N/0970302W.
760 AAO 323700N/0970221W.
CHART ARLINGTON MUNI.
NAWXY TO RW36: 3.04/37.

MINIMUMS:

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

ALTERNATE: NA ☐ CAT A, B 800-2 1/2, 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
LNAV MDA	1020	2 1/2	432	1020	2 1/2	432		NA			NA				
CIRCLING	1100	2 1/2	510	1280	2 1/2	690		NA			NA				

CHANGES - REASONS

- AIRPORT ELEVATION UPDATED FROM "588" TO "590" - CURRENT AIRNAV DATA.
- TERMINAL ROUTES: UPDATED ERGEY TO NAWXY COURSE/DISTANCE FROM "357.56/6.00" TO "357.34/6.02" - UPDATED ERGEY AND NAWXY FIX LOCATIONS.
- TERMINAL ROUTES: UPDATED NAWXY TO CUXPI COURSE/ DISTANCE FROM "357.56/2.46" TO "357.34/2.45" - UPDATED NAWXY AND CUXPI LOCATIONS.
- TERMINAL ROUTES: UPDATED MAP CA LEG FROM "988" TO "990" AND COURSE FROM 357.56" TO " 357.34" - 8260.19I 8-6-6 D (7) AND UPDATED CUXPI LOCATION/ FAC.
- TERMINAL ROUTES: UPDATED DF LEG FROM "988 MSL" TO "990 MSL" - 8260.19I 8-6-6 D (7).
- UPDATED MISSED APPROACH INSTRUCTION ALTITUDE FROM "2300" TO "2400" - HOLDING PATTERN AIRSPACE CONTAINMENT ISSUE AND D10 REQUEST.
- PROFILE: LINE 3: CHANGED: FAC FROM "354.56" TO "357.34"; DISTANCE FAF TO MAP FROM "2.46" TO "2.45" - UPDATED FAF/MAP COORDINATES.
- ADDED: "CHART NOTE: CIRCLING TO RWY 18 NA AT NIGHT" - RWY 18 HAS NO SURVEY; ASSUMED 20:1 PENETRATIONS PREVENT CIRCLING AT NIGHT.
- ADDITIONAL FLIGHT DATA: UPDATED AAO 289 NOTE FROM "770 AAO 323700N/0940222W" TO "760 AAO 323700N/0970221W" - CURRENT TARGETS EVALUATION.
- ADDED CIRCLING LINE OF MINIMA - FPT/D10 REQUEST.



COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒

OTHER: GPM ATCT, RGNL APP CON, ZFW, AMGR, ST. AV. DIR.

FLIGHT CHECKED BY

ALEX KRAUSE

Digitally signed by

RAKE MCGRAW

Jul 24, 2023

OFFICE

FPO

DATE

07/21/2023

DEVELOPED BY

RICHARD CAMPBELL

Digitally signed by

RICHARD E CAMPBELL

Apr 04, 2023

OFFICE

AJV-A423

DATE

04/05/2023

APPROVED BY

ALLAN WILL

Digitally signed by

RAKE MCGRAW

Jul 24, 2023

OFFICE

AJV-A423

DATE

TITLE
MANAGER

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

<u>AIRPORT ID</u> KGPM	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 36	<u>AMDT NO.</u> 1	<u>CITY</u> GRAND PRAIRIE	<u>STATE</u> TX	<u>AIRPORT ELEVATION</u> 590	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

INTERMEDIATE

FROM
ERGEY

TO
NAWXY

<u>RNP</u>	<u>DISTANCE</u> 6.02	<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>
STACK (48-031933)	323113.44N/0970019.12W		1033	500	50	5D	500				SA-45 AT512	2000
TERRAIN	323115.00N/0970133.00W		692 (700)								AS1000	1700

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LNAV

FROM
NAWXY

TO
CUXPI

<u>RNP</u>	<u>DISTANCE</u> 2.45	<u>PAT</u>	<u>MAP</u> CUXPI	<u>HAT</u> 432	<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>
AMUSEMENT_PARK_STRUCTURE (48-033255)	324142.30N/0970302.40W		706	250	50	4D	250				AC50	1020

COMPUTATIONS

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

SEGMENT REMARKS:



MISSED APPROACH : LNAV

FROM

CUXPI

TO

NAHMU

RNP	DISTANCE	PAT	MAP	HAT			HMAS 920					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				2400
TOWER (48-008046)	323321.00N/0970655.00W		935	500	50	5D	1000					2000
TERRAIN	324042.00N/0970642.00W		682 (700)								AS1500	2200

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 (48-013150)	324155.00N/0970305.00W	1.30	510	745	250	50	4D	300		AC50	1100
CATEGORY B											
TOWER (48-136329)	324320.52N/0970112.78W	1.83	690	919	250	50	4D	300		AC50	1280

CIRCLING REMARKS:

MSA

CENTER	RADIUS
CUXPI	25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (48-008489)	323502.67N/0965748.75W	135	06.3	2549	50	20	2C	1000			3600

MSA REMARKS:

QUALITY
35
CHECKED

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
KGPM	RNAV (GPS) RWY 36	1	GRAND PRAIRIE	TX	590	RNAV

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
REGIONAL APP CON, GPM TOWER

<u>WX SERVICE</u> AWOS-3P	<u>LOCATION</u> KGPM	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KGPM	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> ASOS	<u>LOCATION</u> KGKY	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KGKY	<u>DISTANCE</u> 3.18	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0

WX REMARKS:
RASS PRESSURE PATTERNS THE SAME
KGPM 588, KGKY 628
RA = 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>
01H - TDZ (PCL)		H-F	
RW18 - MIRL (PCL), VASI-4L		NPI-G	
RW36 - MIRL (PCL), REIL (PCL), VASI-4L		NPI-G	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 4.00	<u>TCH</u> 37.0
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FINAL APPROACH COURSE AIMING

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

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

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

<u>PENETRATIONS REMARKS:</u>

PART C: GENERAL REMARKS:
VDP NOT ESTABLISHED - VDP IS LOCATED AFTER THE MAP.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
CONTINGENCY NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ARLINGTON ALTIMETER SETTING.
ALL FIXES AND ALTITUDES PER FPT/AIR TRAFFIC REQUEST.
RADAR REQUIRED FOR ENTIRE PROCEDURE PER ATC REQUEST.
TAA NOT DEVELOPED PER ATC REQUEST.
VEGETATION HEIGHT OF 100 FT USED.
CIRCLING RWY 18 NA AT NIGHT DUE TO NO RUNWAY SURVEY.
APPROVAL LETTER FOR VDA LESS THAN VGSI
ORDER 8260.3 CHAPTER 2 APPLIED TO 760 AAO 323700.00N/0970221.00W.
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



AIRPORT ID KGPM	PROCEDURE NAME RNAV (GPS) RWY 36	AMDT NO. 1	CITY GRAND PRAIRIE	STATE TX	AIRPORT ELEVATION 590	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	2.98
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	000.34
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	600
DISTANCE FROM	THLD	TO 1500FT POINT	8.27
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	10.33
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	000.34
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	700

THRESHOLD
COORDINATES
(IF STR-IN)

324135.82N/0970249.04W

ARP COORDINATES

324155.60N/0970248.90W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 18 DISTANCE 0.33 NM

FAF
COORDINATES

323716.84N/0970250.86W

FIX NAME
COORDINATES

REMARKS

DISTANCE MAP TO THLD 1.86 NM.

NO ADDITIONAL AIRSPACE REQUIRED.

QUALITY
35
CHECKED

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

Electronic Version

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PART E: PREPARED BY

<u>NAME</u> RICHARD CAMPBELL	<u>OFFICE</u> AJV-A423	<u>DATE</u> 04/05/2023	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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