

**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> KROX	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 16	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> ROSEAU	<u>STATE</u> MN		
<u>AIRPORT ELEVATION</u> 1060	<u>TDZE</u> 1055	<u>SUPERSEDED</u> RNAV (GPS) RWY 16	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 06/17/2021	<u>MAG VAR</u> 2E	<u>EPOCH YEAR</u> 2025
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 3 NOVEMBER 2022	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 074/30 CW 255/30	NOPT	BADYA	IAF	2800
2. 255/30 CW 345/30		EASEY	IAF	2800
3. 345/30 CW 074/30		KOTCH	IAF	2800

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
EASEY	IAF	BADYA	NOPT	TF	FB	1.00	254.72	6.50	2800
KOTCH	IAF	BADYA	NOPT	TF	FB	1.00	074.48	6.50	2800
BADYA	IF/IAF	CATPI		TF	FB	1.00	164.60	5.94	2700
CATPI	FAF	BATBY/1.92 NM TO RW16		TF	FB	0.30	164.61	3.14	
BATBY/1.92 NM TO RW16		RW16	MAP	TF	FO	0.30	164.61	1.92	
RW16	MAP	1255 MSL		CA			164.61		
1255 MSL		ACEBO		DF	FO	1.00			2800

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW16

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2800 DIRECT ACEBO AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)
2. HOLD N BADYA, RT, 164.60 INBOUND, 2800 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 164.61FAF: CATPIDIST FAF TO MAP: 5.06DIST FAF TO THLD: 5.06
4. MIN ALT: BADYA 2800, CATPI 2700, BATBY/1.92 NM TO RW16 1700
5. DIST TO THLD FROM OM:MM:IM:150 HAT:200 HAT: 0.52GS ANT:
6. MIN GP INCPT: 2700GP ALT AT PFAF : CATPI 2700OM:MM:IM:
7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 43.5
8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA TO RWYS 6 AND 24.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV VISIBILITY TO 7/8 SM.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
HOLD S, RT, 344.69 INBOUND.
FAS OBST: 1154 TREE 485303N/0954139W.
CHART VDP AT 1.03 NM TO RW16.
WAAS CHANNEL # 56304
REFERENCE PATH ID: W16A
LTP HAE: 290.7 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT C 800-2 1/4, CAT D 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
LPV DA	1255	3/4	200	1255	3/4	200	1255	3/4	200	1255	3/4	200			
LNAV/VNAV DA	1330	3/4	275	1330	3/4	275	1330	3/4	275	1330	3/4	275			
LNAV MDA	1420	3/4	365	1420	3/4	365	1420	3/4	365	1420	3/4	365			
CIRCLING	1600	1	540	1600	1	540	1840	2 1/4	780	1840	2 1/2	780			



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KROX
RUNWAY	RW16
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W16A
LTP/FTP LATITUDE	485148.5250N
LTP/FTP LONGITUDE	0954200.8605W
LTP/FTP ELLIPSOIDAL HEIGHT	+02907
FPAP LATITUDE	485021.9055N
FPAP LONGITUDE	0954129.6805W
THRESHOLD CROSSING HEIGHT (TCH)	00043.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1408
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	7AE5FCC1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03188
FPAP ORTHOMETRIC HEIGHT	+03188

