

INSTRUMENT APPROACH PROCEDURE CHARTS

A 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
ABERDEEN, SD	
ABERDEEN	
RGNL (ABR).....	ILS or LOC Rwy 31 ¹ RNAV (GPS) Rwy 13 ² RNAV (GPS) Rwy 17 ² RNAV (GPS) Rwy 31 ² RNAV (GPS) Rwy 35 ² VOR Rwy 13 ² VOR Rwy 31 ²

¹LOC, Category D, 900-2½.
²Category D, 900-2½.

NAME	ALTERNATE MINIMUMS
BAUDETTE, MN	
BAUDETTE	
INTL (BDE).....	RNAV (GPS) Rwy 12 RNAV (GPS) Rwy 30 ¹
	NA when local weather not available. ¹ Categories A, B, C, D, 900-4.

BEMIDJI, MN	
BEMIDJI	
RGNL (BJI).....	RNAV (GPS) Rwy 13 RNAV (GPS) Rwy 25 RNAV (GPS) Rwy 31
	NA when local weather not available.

BENSON, MN	
BENSON	
MUNI (BBB).....	RNAV (GPS) Rwy 14 RNAV (GPS) Rwy 32
	NA when local weather not available.

BIGFORK, MN	
BIGFORK	
MUNI (FOZ).....	RNAV (GPS) Rwy 33
	NA when local weather not available.

BISMARCK, ND	
BISMARCK	
MUNI (BIS).....	ILS or LOC Rwy 13 ¹² ILS or LOC Rwy 31 ¹² RADAR-1 ¹ RNAV (GPS) Rwy 3 ³ RNAV (GPS) Rwy 13 ³ RNAV (GPS) Rwy 21 ³ RNAV (GPS) Rwy 31 ³ VOR-A ³

¹NA when control tower closed.
²LOC, Category C, 800-2¼, Category D, 800-2½.
³Category C, 800-2¼, Category D, 800-2½.

AITKIN, MN	
AITKIN MUNI-STEVE KURTZ	
FLD (AIT).....	RNAV (GPS) Rwy 16 RNAV (GPS) Rwy 34
	NA when local weather not available.

ALBERT LEA, MN	
ALBERT LEA	
MUNI (AEL).....	RNAV (GPS) Rwy 17 RNAV (GPS) Rwy 35 VOR RWY 17
	NA when local weather not available.

ALEXANDRIA, MN	
CHANDLER	
FLD (AXN).....	RNAV (GPS) Rwy 22 RNAV (GPS) Rwy 31
	NA when local weather not available.

APPLETON, MN	
APPLETON	
MUNI (AQP).....	RNAV (GPS) Rwy 13
	NA when local weather not available. Category C, 900-2½.

AUSTIN, MN	
AUSTIN	
MUNI (AUM).....	RNAV (GPS) Rwy 17 RNAV (GPS) Rwy 35
	NA when local weather not available.

BOWMAN, ND	
BOWMAN	
RGNL (BWW).....	RNAV (GPS) Rwy 13 RNAV (GPS) Rwy 31
	NA when local weather not available.

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NAME ALTERNATE MINIMUMS

BRAINERD, MN

BRAINERD LAKES

RGNL (BRD).....**ILS or LOC Rwy 23¹**
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23
RNAV (GPS) Rwy 34

NA when local weather not available.

¹Category D, 700-2.**BROOKINGS, SD**

BROOKINGS

RGNL (BKX).....**RNAV (GPS) Rwy 12**
RNAV (GPS) Rwy 30

NA when local weather not available.

Category D, 800-2½.

BUFFALO, MN

BUFFALO

MUNI (CFE).....**VOR-A**

NA when local weather not available.

CAMBRIDGE, MN

CAMBRIDGE

MUNI (CBG).....**RNAV (GPS) Rwy 16**
RNAV (GPS) Rwy 34

NA when local weather not available.

CANBY, MN

MYERS FLD (CNB).....**RNAV (GPS) Rwy 12**
RNAV (GPS) Rwy 30

NA when local weather not available.

CARRINGTON, ND

CARRINGTON

MUNI (46D).....**RNAV (GPS) Rwy 31**

NA when local weather not available.

CAVALIER, ND

CAVALIER

MUNI (2C8).....**RNAV (GPS) Rwy 34**

NA when local weather not available.

CLOQUET, MN

CLOQUET CARLTON

COUNTY (COQ).....**RNAV (GPS) Rwy 18**
RNAV (GPS) Rwy 36

NA when local weather not available.

COOK, MN

COOK MUNI (CQM).....**RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 31

NA when local weather not available.

CROOKSTON, MN

CROOKSTON MUNI KIRKWOOD

FLD (KKN).....**RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 31
VOR/DME Rwy 13

NA when local weather not available.

NAME ALTERNATE MINIMUMS

CROSBY, ND

CROSBY

MUNI (D50).....**RNAV (GPS) Rwy 30**

NA when local weather not available.

Category D, 800-2¼.

DETROIT LAKES, MN

DETROIT LAKES-WETHING

FLD (DTL).....**RNAV (GPS) Rwy 14**
RNAV (GPS) Rwy 32

NA when local weather not available.

Category D, 800-2½.

DEVILS LAKE, ND

DEVILS LAKE

RGNL (DVL).....**RNAV (GPS) Rwy 3²****RNAV (GPS) Rwy 13²****RNAV (GPS) Rwy 21²****RNAV (GPS) Rwy 31²****VOR Rwy 3¹****VOR Rwy 13²****VOR Rwy 31²**

NA when local weather not available.

¹Categories A, B, 900-2; Category C, 900-2½;

Category D, 900-2¾.

²Category C, 800-2¼, Category D, 800-2½.**DICKINSON, ND**

DICKINSON - THEODORE ROOSEVELT

RGNL (DIK).....**RNAV (GPS) Rwy 15**
RNAV (GPS) Rwy 25
RNAV (GPS) Rwy 33
VOR-A

NA when local weather not available.

DODGE CENTER, MN

DODGE CENTER (TOB).....**RNAV (GPS) Rwy 16**
RNAV (GPS) Rwy 34
VOR-A

NA when local weather not available.

DULUTH, MNDULUTH INTL (DLH).....**ILS or LOC Rwy 9¹****ILS or LOC Rwy 27¹****RADAR-1²****RNAV (GPS) Rwy 3³****RNAV (GPS) Rwy 9²****RNAV (GPS) Rwy 21³****RNAV (GPS) Rwy 27³****VOR or TACAN Rwy 3²****VOR/DME or TACAN Rwy 21²**¹LOC, Categories D, E, 1000-3.²Categories D, E, 1000-3.³Category D, 1000-3.**ELY, MN**

ELY MUNI (ELO).....**RNAV (GPS) Rwy 12**
RNAV (GPS) Rwy 30

NA when local weather not available.

Category D, 1000-3.

NAME ALTERNATE MINIMUMS

EVELETH, MNEVELETH-VIRGINIA
MUNI (EVM).....**RNAV (GPS) Rwy 27**
VOR-ANA when local weather not available.
Category C, 900-2¾; Category D, 1100-3.**FAIRMONT, MN**FAIRMONT MUNI (FRM).....**RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 31NA when local weather not available.
Category C, 900-2½; Category D, 900-2¾.**FARGO, ND**HECTOR INTL (FAR).....**ILS or LOC Rwy 18¹**
ILS or LOC Rwy 36¹
RNAV (GPS) Rwy 9³
RNAV (GPS) Rwy 18²
RNAV (GPS) Rwy 27³
RNAV (GPS) Rwy 36²
VOR Rwy 36²¹ILS, Category C, 700-2; Category D, 800-2¼;
Category E, 800-2½. LOC, Category D,
800-2¼; Category E, 800-2½.²Category D, 800-2¼, Category E, 800-2½.³Category D, 800-2¼.**FARIBAULT, MN**FARIBAULT MUNI-LIZ WALL STROHFUS
FLD (FBL).....**RNAV (GPS) Rwy 12**
RNAV (GPS) Rwy 30

NA when local weather not available.

FERGUS FALLS, MNFERGUS FALLS MUNI-EINAR MICKELSON
FLD (FFM).....**ILS or LOC Rwy 31¹**
RNAV (GPS) Rwy 13²
RNAV (GPS) Rwy 31²
RNAV (GPS) Rwy 35

NA when local weather not available.

¹LOC, Category D, 800-2½.²Category D, 800-2½.**FOSSTON, MN**FOSSTON MUNI-ANDERSON
FIELD (FSE).....**RNAV (GPS) Rwy 16**
RNAV (GPS) Rwy 34

NA when local weather not available.

GLENCOE, MNGLENCOE
MUNI (GYL).....**RNAV (GPS) Rwy 31**

NA when local weather not available.

GLENWOOD, MNGLENWOOD
MUNI (GHW).....**RNAV (GPS) Rwy 15**
RNAV (GPS) Rwy 33

NA when local weather not available.

NAME ALTERNATE MINIMUMS

GRAND FORKS, NDGRAND FORKS
INTL (GFK).....**ILS or LOC Rwy 35L¹²**
LOC BC Rwy 17R¹
RNAV (GPS) Rwy 9L
RNAV (GPS) Rwy 17R
RNAV (GPS) Rwy 27R
VOR Rwy 17R

NA when local weather not available.

¹NA when control tower closed.²ILS, Category E, 700-2½;
LOC, Category E, 800-2½.**GRAND MARAIS, MN**GRAND MARAIS/ COOK
COUNTY (CKC).....**RNAV (GPS) Rwy 10**
RNAV (GPS) Rwy 28¹

Category D, 900-2¾.

¹NA when local weather not available.**GRAND RAPIDS, MN**GRAND RAPIDS/ITASCA COUNTY-GORDON
NEWSTROM FLD (GPZ).....**ILS or LOC Rwy 34**
RNAV (GPS) Rwy 16
RNAV (GPS) Rwy 34
VOR Rwy 34

NA when local weather not available.

GRANITE FALLS, MNGRANITE FALLS MUNI/LENZEN-ROE-FAGEN-
MEML FLD (GDB).....**RNAV (GPS) Rwy 33**
VOR/DME Rwy 33

NA when local weather not available.

GWINNER, NDGWINNER-ROGER MELROE
FIELD (GWR).....**RNAV (GPS) Rwy 16**
RNAV (GPS) Rwy 34

NA when local weather not available.

Category D, 800-2½.

HALLOCK, MNHALLOCK MUNI (HCO).....**RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 31

NA when local weather not available.

HAZEN, NDMERCER COUNTY
RGNL (HZE).....**RNAV (GPS) Rwy 14**
RNAV (GPS) Rwy 32

NA when local weather not available.

HETTINGER, NDHETTINGER/JB LINDQUIST
RGNL (HEI).....**RNAV (GPS) Rwy 12**
RNAV (GPS) Rwy 30

Category D, 800-2¼.

NAME ALTERNATE MINIMUMS

HIBBING, MN

RANGE RGNL (HIB).....**ILS OR LOC/DME Rwy 13¹**
RNAV (GPS) Rwy 13²
RNAV (GPS) Rwy 31²

¹ILS, Categories A, B, C, D, 800-2.
²NA when local weather not available.

HURON, SD

HURON RGNL (HON).....**ILS or LOC Rwy 12¹**
LOC BC Rwy 30²
RNAV (GPS) Rwy 12²
RNAV (GPS) Rwy 30²

NA when local weather not available.
¹LOC, Category D, 800-2¹/₄.
²Category D, 800-2¹/₄.

HUTCHINSON, MN

HUTCHINSON MUNI-
BUTLER FIELD (HCD).....**RNAV (GPS) Rwy 15**
NA when local weather not available.

INTERNATIONAL FALLS, MN

FALLS INTL-EINARSON
FLD (INL).....**COPTER ILS or LOC Rwy 31**
ILS or LOC Rwy 31¹
RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 14
RNAV (GPS) Rwy 31
RNAV (GPS) Rwy 32
VOR Rwy 13²

NA when local weather not available.
¹LOC, Category D, 800-2¹/₄.
²Category D, 800-2¹/₄.

JAMESTOWN, ND

JAMESTOWN
RGNL (JMS).....**RNAV (GPS) Rwy 4**
RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 22
RNAV (GPS) Rwy 31
VOR Rwy 13
VOR Rwy 31

Category D, 800 2¹/₂.

LANGDON, ND

ROBERTSON
FIELD (D55).....**RNAV (GPS) Rwy 14**
RNAV (GPS) Rwy 32

NA when local weather not available.

LONG PRAIRIE, MN

TODD
FIELD (14Y).....**RNAV (GPS) Rwy 34**
NA when local weather not available.

LONGVILLE, MN

LONGVILLE
MUNI (XVG).....**RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 31

NA when local weather not available.

NAME ALTERNATE MINIMUMS

LITCHFIELD, MN

LITCHFIELD
MUNI (LJF).....**RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 31
VOR-A

NA when local weather not available.
Category D, 1000-3.

LITTLE FALLS, MN

LITTLE FALLS/MORRISON COUNTY-
LINDBERGH FLD (LXL).....**RNAV (GPS) Rwy 31**
NA when local weather not available.

LINTON, ND

LINTON MUNI (7L2).....**RNAV (GPS) Rwy 9**
RNAV (GPS) Rwy 27
NA when local weather not available.

MADISON, MN

LAC QUI PARLE
COUNTY (DXX).....**RNAV (GPS) Rwy 14**
RNAV (GPS) Rwy 32

NA when local weather not available

MADISON, SD

MADISON MUNI (MDS).....**RNAV (GPS) Rwy 15**
RNAV (GPS) Rwy 33
NA when local weather not available

MAHNOMEN, MN

MAHNOMEN
COUNTY (3N8).....**RNAV (GPS) Rwy 17**
RNAV (GPS) Rwy 35

NA when local weather not available

MANDAN, ND

MANDAN RGNL/LAWLER
FLD (Y19).....**RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 31
VOR-A

NA when local weather not available

MANKATO, MN

MANKATO RGNL
(MKT).....**RNAV (GPS) Rwy 4**
RNAV (GPS) Rwy 15
RNAV (GPS) Rwy 22
RNAV (GPS) Rwy 33
VOR Rwy 15

NA when local weather not available.

MAPLE LAKE, MN

MAPLE LAKE MUNI-BILL MAVENCAMP
SR FLD (MGG).....**VOR-A**
NA when local weather not available.

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NAME ALTERNATE MINIMUMS

MARSHALL, MN

SOUTHWEST MINNESOTA RGNL MARSHALL/
RYAN FLD (MML).....**RNAV (GPS) Rwy 12**
RNAV (GPS) Rwy 30

NA when local weather not available.

MINNEAPOLIS, MN

AIRLAKE (LVN).....**RNAV (GPS) Rwy 12¹**
RNAV (GPS) Rwy 30²
VOR Rwy 12¹

¹Category D, 800-2¼.

²NA when local weather not available.

CRYSTAL (MIC).....**RNAV (GPS) Rwy 14**
RNAV (GPS) Rwy 32

NA when local weather not available.

FLYING CLOUD

(FCM).....**COPTER ILS or LOC Rwy 10R¹**
ILS or LOC Rwy 10R¹²
RNAV (GPS) Rwy 10L
RNAV (GPS) Rwy 10R
RNAV (GPS) Rwy 28L
RNAV (GPS) Rwy 28R
RNAV (GPS) Rwy 36
VOR Rwy 10R
VOR/DME Rwy 36

NA when local weather not available.

¹NA when control tower closed.

²Category D, 700-2.

MINNEAPOLIS-ST. PAUL INTL/WOLD-

CHAMBERLAIN (MSP).....**ILS or LOC Rwy 12L¹**
ILS or LOC Rwy 12R¹
ILS or LOC Rwy 30L²
ILS or LOC Rwy 30R²
ILS Z or LOC Rwy 35²
LOC Rwy 4³
LOC Rwy 17⁴
LOC Rwy 22⁵
RNAV (GPS) Rwy 4³
RNAV (GPS) Rwy 22³
RNAV (GPS) Z Rwy 12L³
RNAV (GPS) Z Rwy 12R³
RNAV (GPS) Z Rwy 30L³
RNAV (GPS) Z Rwy 30R³
RNAV (GPS) Z Rwy 35³

¹ILS, Category C, 700-2; Category D, 900-2¾;
Category E, 1000-3; LOC, Category D, 900-2¾;
Category E, 1000-3.

²ILS, Category C, 700-2; Category D, 900-2¾;
Category E, 1000-3; LOC, Category D, 900-2¾;
Category E, 1000-3.

³Category D, 900-2¾; Category E, 1000-3.

⁴Category D, 900-2¾.

⁵Category D, 800-2¼; Category E, 1000-3.

NAME ALTERNATE MINIMUMS

MINOT, ND

MINOT INTL (MOT).....**ILS or LOC Rwy 31¹²**
LOC BC Rwy 13¹³
RNAV (GPS) Rwy 8³
RNAV (GPS) Rwy 13³
RNAV (GPS) Rwy 26³
RNAV (GPS) Rwy 31³
VOR Rwy 8⁴
VOR Rwy 13³
VOR Rwy 26⁵
VOR Rwy 31³

NA when local weather not available.

¹NA when control tower closed.

²LOC, Categories C, D, E, 1100-3.

³Categories C, D, 1100-3.

⁴Categories A, B, 1100-2; Categories C, D, 1100-3.

⁵Categories A, B, 900-2; Categories C, D, 1100-3.

MITCHELL, SD

MITCHELL MUNI (MHE).....**RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 18
RNAV (GPS) Rwy 31
RNAV (GPS) Rwy 36
VOR Rwy 13

NA when local weather not available.

MOBRIDGE, SD

MOBRIDGE MUNI (MBG).....**RNAV (GPS) Rwy 12**
RNAV (GPS) Rwy 30

NA when local weather not available

Category D, 900-2¾.

MONTEVIDEO, MN

MONTEVIDEO-CHIPPEWA
COUNTY (MVE).....**RNAV (GPS) Rwy 14**
RNAV (GPS) Rwy 32

NA when local weather not available

MOORHEAD, MN

MOORHEAD
MUNI (JKJ).....**RNAV (GPS) Rwy 30¹**
VOR-A²

¹NA when local weather not available.

²Categories A, B, 900-2;

MORA, MN

MORA MUNI (JMR).....**RNAV (GPS) Rwy 35**
NA when local weather not available.
Category D, 800-2¼.

MORRIS, MN

MORRIS MUNI - CHARLES SCHMIDT
FLD (MOX).....**RNAV (GPS) Rwy 14**
RNAV (GPS) Rwy 32

NA when local weather not available.

ORR, MN

ORR RGNL (ORB).....**RNAV (GPS) Rwy 13**
NA when local weather not available.
Category C, 900-2¼.

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NAME ALTERNATE MINIMUMS

ORTONVILLE, MN

ORTONVILLE MUNI-MARTINSON
FIELD (VVV).....**RNAV (GPS) Rwy 34**
NA when local weather not available.

OWATONNA, MN

OWATONNA DEGNER
RGNL (OWA).....**RNAV (GPS) Rwy 12**
RNAV (GPS) Rwy 30¹

NA when local weather not available.

¹Category D, 800-2¼.

PARK RAPIDS, MN

PARK RAPIDS MUNI-KONSHOK
FIELD (PKD).....**RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 31

NA when local weather not available.

Category D, 1100-3.

PAYNESVILLE, MN

PAYNESVILLE
MUNI (PEX).....**RNAV (GPS) Rwy 11**
RNAV (GPS) Rwy 29

NA when local weather not available.

PHILIP, SD

PHILIP (PHP).....**RNAV (GPS) Rwy 12**
RNAV (GPS) Rwy 30
VOR-A

NA when local weather not available.

PIERRE, SD

PIERRE RGNL (PIR).....**ILS or LOC Rwy 31¹²**
RNAV (GPS) Rwy 7¹³
RNAV (GPS) Rwy 13¹³
RNAV (GPS) Rwy 25³
RNAV (GPS) Rwy 31³
VOR/DME or TACAN Rwy 7¹³
VOR or TACAN Rwy 25¹³

¹NA when local weather not available.

²LOC, Category D, 800-2¼.

³Category D, 800-2¼.

PINE RIDGE, SD

PINE RIDGE (IEN).....**RNAV (GPS) Rwy 12¹**
RNAV (GPS) Rwy 30²

¹Category C, 900-2½.

²Categories A, B, 900-2.

PIPESTONE, MN

PIPESTONE
MUNI (PQN).....**RNAV (GPS) Rwy 18**
RNAV (GPS) Rwy 36

NA when local weather not available.

PRESTON, MN

FILLMORE
COUNTY (FKA).....**RNAV (GPS) Rwy 11**
RNAV (GPS) Rwy 29

NA when local weather not available.

NAME ALTERNATE MINIMUMS

PRINCETON, MN

PRINCETON
MUNI (PNM).....**RNAV (GPS) Rwy 16**
RNAV (GPS) Rwy 34

NA when local weather not available.

RAPID CITY, SD

RAPID CITY
RGNL (RAP).....**ILS or LOC Rwy 32¹**
RNAV (GPS) Rwy 5²
RNAV (GPS) Rwy 14²³
RNAV (GPS) Rwy 23²
RNAV (GPS) Rwy 32⁴
VOR or TACAN Rwy 14²⁴
VOR or TACAN Rwy 32²⁴

¹ILS, Categories B, C, 700-2; Category D, 800-2¼; Category E, 800-2¾. LOC, Category D, 800-2¼; Category E, 800-2¾.

²NA when local weather not available.

³Category D, 800-2½; Category E, 800-2¾.

⁴Category D, 800-2¼; Category E, 800-2¾.

RAY S. MILLER AAF (KRYM)

CAMP RILEY, MN.....**ILS or LOC Rwy 31**
LOC, CAT D, 1000-3.
NA when control tower closed.

RED WING, MN

RED WING
RGNL (RGK).....**RNAV (GPS) Rwy 9¹**
RNAV (GPS) Rwy 27²

NA when local weather not available.

¹Category C, 900-2½, Category D, 1000-3.

²Category C, 900-2½.

REDWOOD FALLS, MN

REDWOOD FALLS
MUNI (RWF).....**RNAV (GPS) Rwy 30**
VOR-A

Category D, 800-2¼.

NA when local weather not available.

ROCHESTER, MN

ROCHESTER
INTL (RST).....**ILS or LOC Rwy 13**
ILS Z or LOC Z Rwy 31
COPTER ILS Y or LOC Y Rwy 31

NA when control tower closed.

ROLLA, ND

ROLLA MUNI (06D).....**RNAV (GPS) Rwy 32**
NA when local weather not available.
Category D, 900-2¾.

ROSEAU, MN

ROSEAU MUNI/RUDY BILLBERG
FLD (ROX).....**RNAV (GPS) Rwy 16**
RNAV (GPS) Rwy 34

NA when local weather not available.

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NAME ALTERNATE MINIMUMS

RUGBY, ND

RUGBY MUNI (RUG).....RNAV (GPS) Rwy 30
NA when local weather not available.

RUSH CITY, MN

RUSH CITY
RGNL (ROS).....RNAV (GPS) Rwy 34
NA when local weather not available.

ST. CLOUD, MN

ST. CLOUD
RGNL (STC).....ILS or LOC/DME Rwy 13¹²³
RNAV (GPS) Rwy 5¹
RNAV (GPS) Rwy 13¹
RNAV (GPS) Rwy 23¹
RNAV (GPS) Rwy 31¹
VOR Rwy 31³

¹NA when local weather not available.
²ILS, Categories A, B, C, D, 700-2.
³NA when control tower closed.

ST. JAMES, MN

ST. JAMES
MUNI (JYG).....RNAV (GPS) Rwy 15
RNAV (GPS) Rwy 33
NA when local weather not available.

ST. PAUL, MN

LAKE ELMO (21D).....RNAV (GPS) Rwy 32
NA when local weather not available.

SAINT PAUL DOWNTOWN HOLMAN

FLD (STP).....ILS or LOC Rwy 14¹²
ILS or LOC Rwy 32¹²
RNAV (GPS) Rwy 14³
RNAV (GPS) Rwy 32³⁴

¹NA when control tower closed.
²LOC, Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2¾.
³Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2¾.
⁴NA when local weather not available.

SAUK CENTRE, MN

SAUK CENTRE
MUNI (D39).....RNAV (GPS) Rwy 14
RNAV (GPS) Rwy 32
NA when local weather not available.

NAME ALTERNATE MINIMUMS

SIOUX FALLS, SD

JOE FOSS
FLD (FSD).....ILS or LOC Rwy 31²
ILS or LOC Rwy 21¹²
RADAR-1³
RNAV (GPS) Rwy 34¹
RNAV (GPS) Rwy 15⁵
RNAV (GPS) Rwy 21⁴
VOR or TACAN Rwy 15⁶
VOR/DME or TACAN Rwy 33⁶

¹NA when control tower closed.
²LOC, Category D, 800-2½.
³Category E, 800-2¾.
⁴Category D, 800-2½.
⁵Category C, 800-2¾; Category D, 800-2½.
⁶Category D, 800-2½; Category E, 900-3.

SLAYTON, MN

SLAYTON MUNI (DVP).....RNAV (GPS) Rwy 17
RNAV (GPS) Rwy 35
NA when local weather not available.

SOUTH ST. PAUL, MN

SOUTH ST PAUL MUNI-RICHARD E
FLEMING FLD (SGS)RNAV (GPS) Rwy 34
Category D, 800-2½.

SPEARFISH, SD

BLACK HILLS-
CLYDE ICE FIELD (SPF).....RNAV (GPS) Rwy 13¹
RNAV (GPS) Rwy 31²

¹Categories A, B, 1000-4, Category C, 1700-4.
²Categories A, B, 1000-2, Category C, 1700-3.

STAPLES, MN

STAPLES MUNI (SAZ).....RNAV (GPS) Rwy 14
RNAV (GPS) Rwy 32
NA when local weather not available.

THIEF RIVER FALLS, MN

THIEF RIVER
FALLS RGNL (TVF).....ILS or LOC Rwy 31¹
RNAV (GPS) Rwy 4²
RNAV (GPS) Rwy 13²³
RNAV (GPS) Rwy 22²
RNAV (GPS) Rwy 31²³
VOR Y Rwy 13³
VOR Rwy 31³

¹LOC, Category D, 900-2¾.
²NA when local weather not available.
³Category D, 900-2¾.

TIOGA, ND

TIOGA
MUNI (D60).....RNAV (GPS) Rwy 12
RNAV (GPS) Rwy 30¹

Category D, 800-2¾.
¹NA when local weather not available.

NAME ALTERNATE MINIMUMS

TRACY, MN

TRACY MUNI (TKC).....RNAV (GPS) Rwy 11
NA when local weather not available.

TWO HARBORS, MN

RICHARD B.
HELGESON (TWM).....RNAV (GPS) Rwy 6
RNAV (GPS) Rwy 24
NA when local weather not available.

VALLEY CITY, ND

BARNES COUNTY
MUNI (BAC).....RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 31
NA when local weather not available.

WADENA, MN

WADENA MUNI (ADC).....RNAV (GPS) Rwy 16
RNAV (GPS) Rwy 34
NA when local weather not available.

WAHPETON, ND

HARRY
STERN (BWP).....RNAV (GPS) Rwy 33
NA when local weather not available.

WALKER, MN

WALKER MUNI (Y49).....RNAV (GPS) Rwy 15
RNAV (GPS) Rwy 33
NA when local weather not available.
Category C, 800-2¼.

WARROAD, MN

WARROAD INTL
MEML (RRT).....RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 31
NA when local weather not available.
Category C, 900-2¼; Category D, 900-3.

WASECA, MN

WASECA MUNI (ACQ).....RNAV (GPS) Rwy 15
RNAV (GPS) Rwy 33
NA when local weather not available.

WATERTOWN, SD

WATERTOWN
RGNL (ATY).....ILS or LOC Rwy 35¹²
LOC BC Rwy 17¹³
RNAV (GPS) Rwy 12³
RNAV (GPS) Rwy 17¹³
RNAV (GPS) Rwy 30¹³
RNAV (GPS) Rwy 35³
VOR or TACAN Rwy 17¹³

¹NA when local weather not available.
²LOC, Category C, 800-2¼; Category D, 800-2½.
³Category C, 800-2¼; Category D, 800-2½.

NAME ALTERNATE MINIMUMS

WHEATON, MN

WHEATON MUNI (ETH).....RNAV (GPS) Rwy 16
RNAV (GPS) Rwy 34
NA when local weather not available.

WILLISTON, ND

WILLISTON BASIN
INTL (XWA).....RNAV (GPS) Rwy 4
RNAV (GPS) Rwy 14
RNAV (GPS) Rwy 22
RNAV (GPS) Rwy 32
VOR Rwy 14
VOR Rwy 22
VOR Rwy 32
NA when local weather not available.

WILLMAR, MN

WILLMAR MUNI-JOHN L RICE
FLD (BDH).....RNAV (GPS) Rwy 13¹
RNAV (GPS) Rwy 31
VOR Rwy 31¹
NA when local weather not available.
¹Category D, 900-2¼.

WINDOM, MN

WINDOM MUNI (MWM).....RNAV (GPS) Rwy 17
RNAV (GPS) Rwy 35
NA when local weather not available.

WINNER, SD

WINNER RGNL (ICR).....RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 31
NA when local weather not available.

WINONA, MN

WINONA MUNI-MAX CONRAD
FIELD (ONA).....ILS Y or LOC Y Rwy 30¹²
ILS Z or LOC Z Rwy 30¹³
RNAV (GPS) Rwy 12⁴
RNAV (GPS) Rwy 30¹

¹NA when local weather not available.
²ILS, LOC, Categories A, B, 1000-2; Category C, 1200-3; Category D, 1400-3.
³LOC, Category A, B, 1000-2; Category C, 1200-3; Category D, 1400-3.
⁴Categories A, B, 1000-2; Category C, 1200-3; Category D, 1400-3.

WORTHINGTON, MN

WORTHINGTON
MUNI (OTG).....RNAV (GPS) Rwy 11²
RNAV (GPS) Rwy 18²
RNAV (GPS) Rwy 29²
RNAV (GPS) Rwy 36²
VOR Rwy 11¹
VOR Rwy 18²

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

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NAME	ALTERNATE MINIMUMS	NAME	ALTERNATE MINIMUMS
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YANKTON, SD

CHAN GURNEY

MUNI (YKN).....**RNAV (GPS) Rwy 13¹**
RNAV (GPS) Rwy 31¹
VOR Rwy 13²

NA when local weather not available.

¹Category D, 800-2¼.

²Category C, 800-2¼; Category D, 800-2½.

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