

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 31¹
	RNAV (GPS) Rwy 13²
	RNAV (GPS) Rwy 17²
	RNAV (GPS) Rwy 31²
	RNAV (GPS) Rwy 35²
	VOR Rwy 13²
	VOR Rwy 31²

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

AITKIN, MN	
AITKIN MUNI-STEVE KURTZ	
FIELD (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	
FIELD (AXN).....	RNAV (GPS) Rwy 22
	RNAV (GPS) Rwy 31
NA when local weather not available.	

APPLETON, MN	
APPLETON	
MUNI (AQP).....	RNAV (GPS) Rwy13
NA when local weather not available.	

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

NAME	ALTERNATE MINIMUMS
BAUDETTE, MN	
BAUDETTE	
INTL (BDE).....	RNAV (GPS) Rwy 12¹
	RNAV (GPS) Rwy 30¹
	VOR/DME Rwy 12
Category C, 800-2¼; Category D, 800-2½.	
¹ NA when local weather not available.	

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.	

BISMARCK, ND	
BISMARCK	
MUNI (BIS).....	ILS or LOC Rwy 13¹²
	ILS or LOC Rwy 31¹²
	RADAR-1¹
	RNAV (GPS) Rwy 21³
¹ NA when control tower closed.	
² LOC, Category C, 800-2¼, Category D, 800-2½.	
³ Category C, 800-2¼, Category D, 800-2½.	

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

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.	
¹ Category D, 700-2.	

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NAME ALTERNATE MINIMUMS

BROOKINGS, SD

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

NA when local weather not available.
Category D, 800-2¼.

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.

CAMP RIPLEY, MN

RAY S. MILLER (KRYM)....ILS OR LOC Rwy 31
LOC, CAT D, 1000-3.
NA when control tower closed.

CANBY, MN

MYERS FIELD (CNB).....RNAV (GPS) Rwy 12
RNAV (GPS) Rwy 30

NA when local weather not available.

CARRINGTON, ND

CARRINGTON
MUNI (4GD).....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 17
RNAV (GPS) Rwy 35

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
FIELD (CKN).....RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 31
VOR/DME Rwy 13

NA when local weather not available.

NAME ALTERNATE MINIMUMS

DETROIT LAKES, MN

DETROIT LAKES-WETHING
FIELD (DTL).....RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 31

NA when local weather not available.
Category D, 800-2¼.

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).....ILS or LOC Rwy 32¹
RNAV (GPS) Rwy 14²
RNAV (GPS) Rwy 25²
RNAV (GPS) Rwy 32²
VOR-A²

¹ILS, Category D, 700-2.
²NA 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, MN

DULUTH 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.

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NAME ALTERNATE MINIMUMS

EVELETH, MN

EVELETH-VIRGINIA

MUNI (EVM).....**RNAV (GPS) Rwy 27¹**
VOR-A²

¹NA when local weather not available.

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

FAIRMONT, MN

FAIRMONT

MUNI (FRM).....**ILS or LOC Rwy 31¹**
RNAV (GPS) Rwy 13²
RNAV (GPS) Rwy 31²

¹LOC, Category C, 900-2¼; Category D, 900-2½.

²Category C, 900-2¼; Category D, 900-2½.

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 36²

¹ILS, 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

FIELD (FBL).....**RNAV (GPS) Rwy 12**
RNAV (GPS) Rwy 30

NA when local weather not available.

FERGUS FALLS, MN

FERGUS FALLS MUNI-EINAR MICKELSON

FIELD (FFM).....**ILS or LOC Rwy 31¹²**
RNAV (GPS) Rwy 13¹³
RNAV (GPS) Rwy 31³
RNAV (GPS) Rwy 35¹

¹NA when local weather not available.

²ILS, Category D, 700-2¼.

LOC, Category D, 800-2¼.

³Category D, 800-2¼.

FOSSTON, MN

FOSSTON MUNI-ANDERSON

FIELD (FSE).....**NDB Rwy 34¹**
RNAV (GPS) Rwy 16
RNAV (GPS) Rwy 34

NA when local weather not available.

¹Category C, 800-2¼.

GLENCOE, MN

GLENCOE

MUNI (GYL).....**RNAV (GPS) Rwy 31**

NA when local weather not available.

NAME ALTERNATE MINIMUMS

GLENWOOD, MN

GLENWOOD

MUNI (GHW).....**RNAV (GPS) Rwy 15**
RNAV (GPS) Rwy 33

NA when local weather not available.

GRAND FORKS, ND

GRAND FORKS

INTL (GFK).....**ILS or LOC Rwy 35L¹²**

LOC BC Rwy 17R¹³

RNAV (GPS) Rwy 9L³

RNAV (GPS) Rwy 17R³

RNAV (GPS) Rwy 27R³

VOR Rwy 17R³

VOR Rwy 35L³

¹NA when control tower closed.

²ILS, Category E, 700-2½. LOC, Category E, 800-2½.

³NA when local weather not available.

GRAND MARAIS, MN

GRAND MARAIS/ COOK

COUNTY (CKC).....**RNAV (GPS) Rwy 10**
RNAV (GPS) Rwy 28¹

Category D, 900-2¼.

¹NA when local weather not available.

GRAND RAPIDS, MN

GRAND RAPIDS/ITASCA COUNTY-GORDON

NEWSTROM FIELD (GPZ).....**ILS or LOC Rwy 34**
RNAV (GPS) Rwy 16
VOR Rwy 34

NA when local weather not available.

GRANITE FALLS, MN

GRANITE FALLS MUNI/LENZEN-ROE-FAGEN

MEMORIAL FIELD (GDB).....**RNAV (GPS) Rwy 33**

NA when local weather not available.

GWINNER, ND

GWINNER-ROGER MELROE

FIELD (GWR).....**RNAV (GPS) Rwy 16**
RNAV (GPS) Rwy 34

NA when local weather not available.

Category D, 800-2¼.

HALLOCK, MN

HALLOCK MUNI (HCO).....

RNAV (GPS) Rwy 13

RNAV (GPS) Rwy 31

NA when local weather not available.

HETTINGER, ND

HETTINGER

MUNI (HEI).....**RNAV (GPS) Rwy 12**
RNAV (GPS) Rwy 30

Category D, 800-2¼.

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HIBBING, MN

RANGE
RGNL (HIB)..... ILS OR LOC/DME Rwy 13
ILS, Categories A, B, C, D, 800-2.

HURON, SD

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

NA when local weather not available.
¹ILS, Category D, 700-2¼. LOC, Category D, 800-2¼.
²Category D, 800-2¼.

HUTCHINSON, MN

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

INTERNATIONAL FALLS, MN

FALLS INTL-EINARSON
FIELD (INL)..... COPTER ILS or LOC Rwy 31¹
ILS or LOC/DME Rwy 13,700-2²
RNAV (GPS) Rwy 13²
RNAV (GPS) Rwy 31²
VOR Rwy 13^{2,3}

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

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 2¼.

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.

NAME ALTERNATE MINIMUMS

LITCHFIELD, MN

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

Category D, 800-2¼.
NA when local weather not available.

LITTLE FALLS, MN

LITTLE FALLS/MORRISON COUNTY-
LINDBERGH
FIELD (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 MUNI (Y19)..... RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 31
VOR-A
NA when local weather not available

MANKATO, MN

MANKATO RGNL
(MKT)..... COPTER ILS or LOC Rwy 33
ILS or LOC Rwy 33
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 FIELD (MGG)..... VOR-A
NA when local weather not available.

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NAME ALTERNATE MINIMUMS

MARSHALL, MN

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

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 14L**
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 4⁴
LOC Rwy 17³
LOC Rwy 22⁴
RNAV (GPS) Rwy 4⁴
RNAV (GPS) Rwy 22⁴
RNAV (GPS) Z Rwy 12L⁴
RNAV (GPS) Z Rwy 12R⁴
RNAV (GPS) Z Rwy 30L⁴
RNAV (GPS) Z Rwy 30R⁴
RNAV (GPS) Z Rwy 35⁴

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.

⁴Category D, 900-2¾; Category E, 1000-3.

NAME ALTERNATE MINIMUMS

MINOT, ND

MINOT INTL (MOT).....**ILS or LOC Rwy 31¹²**
LOC BC Rwy 13¹
RNAV (GPS) Rwy 8
RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 26
RNAV (GPS) Rwy 31
VOR Rwy 8³
VOR Rwy 13
VOR Rwy 26⁴
VOR Rwy 31

NA when local weather not available.

¹NA when tower closed.

²Category E, 1100-3.

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

⁴Categories A, B, 900-2; Category C, 900-2½;
Category D, 900-2¾.

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-CHARLIE 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.

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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
VOR Rwy 13

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.

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 29
NA when local weather not available.

NAME ALTERNATE MINIMUMS

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.

RED WING, MN

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

NA when local weather not available.

¹Category C, 800-2¼; Category D, 800-2½.

²Category C, 800-2¼.

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
FIELD (ROX).....RNAV (GPS) Rwy 16
RNAV (GPS) Rwy 34

NA when local weather not available.

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.

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NAME ALTERNATE MINIMUMS

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).....**NDB Rwy 4¹**
RNAV (GPS) Rwy 32
 NA when local weather not available.
¹Categories A, B, 900-2; Category C 900-2½.

ST. PAUL DOWNTOWN HOLMAN

FIELD (STP).....**ILS or LOC Rwy 14¹²**
ILS or LOC Rwy 32¹²
NDB Rwy 31³
RNAV (GPS) Rwy 14⁴
RNAV (GPS) Rwy 32⁴

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, 900-2¾; Category D, 900-3.
⁴Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2¾.

SAUK CENTRE, MN

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

SIoux FALLS, SD

JOE FOSS
FIELD (FSD).....**ILS or LOC Rwy 3¹²**
ILS or LOC Rwy 21¹³
RADAR-1⁴
VOR or TACAN Rwy 15⁵
VOR/DME or TACAN Rwy 33⁴
RNAV (GPS) Rwy 15⁶
RNAV (GPS) Rwy 21⁷

¹NA when control tower closed.
²ILS, Category D, 700-2.
³ILS, Categories A, B, C, D, 700-2.
⁴Category E, 800-2¾.
⁵Category E, 900-3.
⁶Category C, 800-2¼; Category D, 800-2½.
⁷Category D, 800-2½.

NAME ALTERNATE MINIMUMS

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 FIELD (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 13²
RNAV (GPS) Rwy 22²
RNAV (GPS) Rwy 31²
VOR Y Rwy 13³

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

TIOGA, ND

TIOGA
MUNI (D60).....**RNAV (GPS) Rwy 30**
RNAV (GPS) Rwy 12
 NA when local weather not available.
 Category D, 800-2¾.

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.

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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
MEMORIAL (RRT).....RNAV (GPS) Rwy 13¹
RNAV (GPS) Rwy 31
Category C, 900-2¾; Category D, 900-3.
¹NA when local weather not available.

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 35¹
LOC BC Rwy 17²
RNAV (GPS) Rwy 12²
RNAV (GPS) Rwy 17³
RNAV (GPS) Rwy 30³
RNAV (GPS) Rwy 35²
VOR or TACAN Rwy 17³

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

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 14
RNAV (GPS) Rwy 32
VOR Rwy 14
VOR Rwy 32
NA when local weather not available.

WILLMAR, MN

WILLMAR MUNI-JOHN
L RICE FIELD (BDH).....RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 31
VOR Rwy 31¹
NA when local weather not available.
¹Category D, 800-2¼.

NAME ALTERNATE MINIMUMS

WINNER, SD

WINNER RGNL (ICR).....RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 31
VOR-A
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.

YANKTON, SD

CHAN GURNEY
MUNI (YKN).....RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 31
VOR Rwy 13
NA when local weather not available.

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