

## 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
<b>ABERDEEN, SD</b>	
ABERDEEN	
RGNL (ABR).....	<b>RNAV (GPS) Rwy 13<sup>1</sup></b>
	<b>RNAV (GPS) Rwy 17<sup>1</sup></b>
	<b>RNAV (GPS) Rwy 31<sup>2</sup></b>
	<b>RNAV (GPS) Rwy 35<sup>1</sup></b>
	<b>VOR Rwy 31<sup>2</sup></b>
	<b>VOR/DME Rwy 13<sup>2</sup></b>

<sup>1</sup>Category D, 900-2½.<sup>2</sup>NA when local weather not available.

<b>AITKIN, MN</b>	
AITKIN MUNI-STEVE KURTZ	
FIELD (AIT).....	<b>RNAV (GPS) Rwy 16</b>
	<b>RNAV (GPS) Rwy 34</b>
NA when local weather not available.	

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

<b>ALEXANDRIA, MN</b>	
CHANDLER	
FIELD (AXN).....	<b>RNAV (GPS) Rwy 22</b>
	<b>RNAV (GPS) Rwy 31</b>
NA when local weather not available.	

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

<b>AUSTIN, MN</b>	
AUSTIN	
MUNI (AUM).....	<b>RNAV (GPS) Rwy 17<sup>1</sup></b>
	<b>RNAV (GPS) Rwy 35</b>
NA when local weather not available.	
<sup>1</sup> Category D, 800-2½.	

NAME	ALTERNATE MINIMUMS
<b>BAUDETTE, MN</b>	
BAUDETTE	
INTL (BDE).....	<b>RNAV (GPS) Rwy 12<sup>1</sup></b>
	<b>RNAV (GPS) Rwy 30<sup>1</sup></b>
	<b>VOR/DME Rwy 12</b>
Category C, 800-2½; Category D, 800-2½.	
<sup>1</sup> NA when local weather not available.	

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

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

<b>BIGFORK, MN</b>	
BIGFORK	
MUNI (FOZ).....	<b>RNAV (GPS) Rwy 15</b>
	<b>RNAV (GPS) Rwy 33</b>
NA when local weather not available.	

<b>BISMARCK, ND</b>	
BISMARCK	
MUNI (BIS).....	<b>ILS or LOC Rwy 13<sup>12</sup></b>
	<b>ILS or LOC Rwy 31<sup>12</sup></b>
	<b>RADAR-1<sup>1</sup></b>
	<b>RNAV (GPS) Rwy 21<sup>3</sup></b>

<sup>1</sup>NA when control tower closed.<sup>2</sup>LOC, Category C, 800-2½, Category D, 800-2½.<sup>3</sup>Category C, 800-2½, Category D, 800-2½.

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

NAME ALTERNATE MINIMUMS

**BRAINERD, MN**

BRAINERD LAKES

RGNL (BRD).....**ILS or LOC Rwy 23<sup>1</sup>**  
**RNAV (GPS) Rwy 5**  
**RNAV (GPS) Rwy 23**  
**RNAV (GPS) Rwy 34**

NA when local weather not available.

<sup>1</sup>Category D, 700-2.**BROOKINGS, SD**

BROOKINGS

RGNL (BKK).....**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.

**CANBY, MN**

MYERS FIELD (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 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.

NAME ALTERNATE MINIMUMS

**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.

**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 3<sup>2</sup>**  
**RNAV (GPS) Rwy 13<sup>2</sup>**  
**RNAV (GPS) Rwy 21<sup>2</sup>**  
**RNAV (GPS) Rwy 31<sup>2</sup>**  
**VOR Rwy 3<sup>1</sup>**  
**VOR Rwy 13<sup>2</sup>**  
**VOR Rwy 31<sup>2</sup>**

NA when local weather not available.

<sup>1</sup>Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2¾.<sup>2</sup>Category C, 800-2¼, Category D, 800-2½.**DICKINSON, ND**

DICKINSON-THEODORE ROOSEVELT

RGNL (DIK).....**ILS or LOC Rwy 31<sup>1</sup>**  
**RNAV (GPS) Rwy 14<sup>2</sup>**  
**RNAV (GPS) Rwy 25<sup>2</sup>**  
**RNAV (GPS) Rwy 32<sup>2</sup>**  
**VOR-A<sup>2</sup>**

<sup>1</sup>ILS, Category D, 700-2.<sup>2</sup>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, MN**

DULUTH INTL (DLH).....**ILS or LOC Rwy 9<sup>1</sup>**  
**ILS or LOC Rwy 27<sup>1</sup>**  
**RNAV (GPS) Rwy 3<sup>2</sup>**  
**RNAV (GPS) Rwy 9<sup>3</sup>**  
**RNAV (GPS) Rwy 21<sup>2</sup>**  
**RNAV (GPS) Rwy 27<sup>3</sup>**  
**VOR or TACAN Rwy 3<sup>3</sup>**  
**VOR/DME or TACAN Rwy 21<sup>3</sup>**

<sup>1</sup>LOC, Categories D, E, 1000-3.<sup>2</sup>Category D, 1000-3.<sup>3</sup>Categories D, E, 1000-3.

NAME ALTERNATE MINIMUMS

**ELY, MN**

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

NA when local weather not available.

**EVELETH, MN**

EVELETH-VIRGINIA  
MUNI (EVM).....RNAV (GPS) Rwy 27<sup>1</sup>  
VOR-A<sup>2</sup>

<sup>1</sup>NA when local weather not available.

<sup>2</sup>Category C, 800-2¼; Category D, 800-2½.

**FAIRMONT, MN**

FAIRMONT MUNI (FRM).....RNAV (GPS) Rwy 13  
RNAV (GPS) Rwy 31

NA when local weather not available.

**FARGO, ND**

HECTOR INTL (FAR).....ILS or LOC Rwy 18<sup>1</sup>  
ILS or LOC Rwy 36<sup>1</sup>  
RNAV (GPS) Rwy 9<sup>3</sup>  
RNAV (GPS) Rwy 18<sup>2</sup>  
RNAV (GPS) Rwy 27<sup>3</sup>  
RNAV (GPS) Rwy 36<sup>2</sup>  
VOR Rwy 36<sup>2</sup>

<sup>1</sup>ILS, Category C, 700-2; Category D, 800-2¼; Category E, 800-2½. LOC, Category D, 800-2¼; Category E, 800-2½.

<sup>2</sup>Category D, 800-2¼, Category E, 800-2½.

<sup>3</sup>Category 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 31<sup>1</sup>  
RNAV (GPS) Rwy 13<sup>2</sup>  
RNAV (GPS) Rwy 31<sup>2</sup>  
RNAV (GPS) Rwy 35

NA when local weather not available.

<sup>1</sup>ILS, Category D, 700-2¼. LOC, Category D, 800-2¼.

<sup>2</sup>Category D, 800-2¼.

**FOSSTON, MN**

FOSSTON MUNI-ANDERSON  
FIELD (FSE).....NDB Rwy 34<sup>1</sup>  
RNAV (GPS) Rwy 16  
RNAV (GPS) Rwy 34

NA when local weather not available.

<sup>1</sup>Category C, 800-2½.

NAME ALTERNATE MINIMUMS

**GLENCOE, MN**

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

NA when local weather not available.

**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 35L<sup>12</sup>  
LOC BC Rwy 17R<sup>13</sup>  
RNAV (GPS) Rwy 9L<sup>3</sup>  
RNAV (GPS) Rwy 17R<sup>3</sup>  
RNAV (GPS) Rwy 27R<sup>3</sup>  
RNAV (GPS) Rwy 35L<sup>3</sup>  
VOR Rwy 17R<sup>3</sup>  
VOR Rwy 35L<sup>3</sup>

<sup>1</sup>NA when control tower closed.

<sup>2</sup>ILS, Category E, 700-2½. LOC, Category E, 800-2½.

<sup>3</sup>NA when local weather not available.

**GRAND MARAIS, MN**

GRAND MARAIS/  
COOK COUNTY (CKC).....RNAV (GPS) Rwy 10  
RNAV (GPS) Rwy 28

Category D, 900-2¼.

**GRAND RAPIDS, MN**

GRAND RAPIDS/ITASCA COUNTY-GORDON  
NEWSTROM FIELD (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, 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, 800-2½.

**HALLOCK, MN**

HALLOCK MUNI (HCO).....RNAV (GPS) Rwy 13  
RNAV (GPS) Rwy 31

NA when local weather not available.

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NAME ALTERNATE MINIMUMS

**HETTINGER, ND**

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

Category D, 800-2¼.

**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 12<sup>1</sup>  
LOC/DME BC Rwy 30<sup>2</sup>  
RNAV (GPS) Rwy 12<sup>2</sup>  
RNAV (GPS) Rwy 30<sup>2</sup>  
VOR Rwy 12<sup>2</sup>

NA when local weather not available.

<sup>1</sup>ILS, Category D, 700-2¼. LOC, Category D, 800-2¼.

<sup>2</sup>Category 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 31<sup>1</sup>  
ILS or LOC/DME Rwy 13,700-2<sup>2</sup>  
ILS or LOC Rwy 31<sup>2</sup>  
RNAV (GPS) Rwy 13<sup>2</sup>  
RNAV (GPS) Rwy 31<sup>2</sup>  
VOR Rwy 13<sup>2,3</sup>

<sup>1</sup>LOC, NA; ILS, NA when local weather not available.

<sup>2</sup>NA when local weather not available.

<sup>3</sup>Category D, 800-2¼.

**JACKSON, MN**

JACKSON MUNI (MJQ).....RNAV (GPS) Rwy 13  
RNAV (GPS) Rwy 31  
NA when local weather not available.

**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.

NAME ALTERNATE MINIMUMS

**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.

**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

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NAME ALTERNATE MINIMUMS

**MANKATO, MN**

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

**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.

**MARTIN, SD**

MARTIN  
MUNI (9V6).....**RNAV (GPS) Rwy 32**  
Category C, 800-2½.

**MINNEAPOLIS, MN**

AIRLAKE (LVN).....**RNAV (GPS) Rwy 12<sup>1</sup>**  
**RNAV (GPS) Rwy 30<sup>2</sup>**  
**VOR Rwy 12<sup>1</sup>**

<sup>1</sup>Category D, 800-2½.<sup>2</sup>NA 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 10R<sup>1</sup>**  
**ILS or LOC Rwy 10R<sup>12</sup>**  
**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.

<sup>1</sup>NA when control tower closed.<sup>2</sup>Category D, 700-2.

NAME ALTERNATE MINIMUMS

**MINNEAPOLIS, MN (CON'T)**

MINNEAPOLIS-ST. PAUL INTL/WORLD-  
CHAMBERLAIN (MSP).....**ILS or LOC Rwy 12L<sup>1</sup>**  
**ILS or LOC Rwy 12R<sup>1</sup>**  
**ILS or LOC Rwy 30L<sup>2</sup>**  
**ILS or LOC Rwy 30R<sup>2</sup>**  
**ILS Z or LOC Rwy 35<sup>2</sup>**  
**LOC Rwy 4<sup>4</sup>**  
**LOC Rwy 17<sup>2</sup>**  
**LOC Rwy 22<sup>4</sup>**  
**RNAV (GPS) Rwy 4<sup>4</sup>**  
**RNAV (GPS) Rwy 22<sup>4</sup>**  
**RNAV (GPS) Z Rwy 12L<sup>4</sup>**  
**RNAV (GPS) Z Rwy 12R<sup>4</sup>**  
**RNAV (GPS) Z Rwy 30L<sup>4</sup>**  
**RNAV (GPS) Z Rwy 30R<sup>4</sup>**  
**RNAV (GPS) Z Rwy 35<sup>4</sup>**

<sup>1</sup>ILS, Category C, 700-2; Category D, 900-2¾; Category E, 1000-3; LOC, Category D, 900-2¾; Category E, 1000-3.<sup>2</sup>ILS, Category C, 700-2; Category D, 900-2¾; Category E, 1000-3; LOC, Category D, 900-2¾; Category E, 1000-3.<sup>3</sup>Category D, 900-2¾.<sup>4</sup>Category D, 900-2¾; Category E, 1000-3.**MINOT, ND**

MINOT INTL (MOT).....**ILS or LOC Rwy 31<sup>12</sup>**  
**LOC/DME BC Rwy 13<sup>1</sup>**  
**RNAV (GPS) Rwy 8**  
**RNAV (GPS) Rwy 13**  
**RNAV (GPS) Rwy 26**  
**RNAV (GPS) Rwy 31**  
**VOR Rwy 8<sup>3</sup>**  
**VOR Rwy 26<sup>4</sup>**

NA when local weather not available.

<sup>1</sup>NA when tower closed.<sup>2</sup>Category E, 1100-3.<sup>3</sup>Categories A, B, 1100-2; Categories C, D, 1100-3.<sup>4</sup>Categories 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.

NAME ALTERNATE MINIMUMS

**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 30<sup>1</sup>  
 VOR-A<sup>2</sup>

<sup>1</sup>NA when local weather not available.<sup>2</sup>Categories 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.

**NEW ULM, MN**

NEW ULM MUNI (ULM).....RNAV (GPS) Rwy 15  
 RNAV (GPS) Rwy 33

NA when local weather not available.

**ORR, MN**

ORR RGNL (ORB).....RNAV (GPS) Rwy 13  
 NA when local weather not available.

**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 30<sup>1</sup>

NA when local weather not available.

<sup>1</sup>Category 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.

NAME ALTERNATE MINIMUMS

**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 12<sup>1</sup>  
 RNAV (GPS) Rwy 30<sup>2</sup>

<sup>1</sup>Category C, 900-2½.<sup>2</sup>Categories 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.

**RAPID CITY, SD**

RAPID CITY  
 RGNL (RAP).....ILS or LOC Rwy 32<sup>3</sup>  
 RNAV (GPS) Rwy 5<sup>1</sup>  
 RNAV (GPS) Rwy 14<sup>12</sup>  
 RNAV (GPS) Rwy 23<sup>1</sup>  
 RNAV (GPS) Rwy 32<sup>4</sup>  
 VOR or TACAN Rwy 14<sup>12</sup>  
 VOR or TACAN Rwy 32<sup>12</sup>

<sup>1</sup>NA when local weather not available.<sup>2</sup>Category E, 800-2¼.<sup>3</sup>ILS, Categories B, C, 700-2; Category D, 800-2¼; Category E, 800-2¼. LOC, Category D, 800-2¼; Category E, 800-2¼.<sup>4</sup>Category D, 800-2¼; Category E, 800-2¼.**RED WING, MN**

RED WING  
 RGNL (RGK).....RNAV (GPS) Rwy 9<sup>1</sup>  
 RNAV (GPS) Rwy 27<sup>2</sup>

NA when local weather not available.

<sup>1</sup>Category C, 800-2¼, Category D, 800-2½.<sup>2</sup>Category C, 800-2¼.

NAME ALTERNATE MINIMUMS

**REDWOOD FALLS, MN**

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

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

**ROCHESTER, MN**

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

NA when control tower closed.

**ROLLA, ND**

ROLLA MUNI (06D).....RNAV (GPS) Rwy 32  
NA when local weather not available.  
Category D, 900-2½.

**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 12  
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 13<sup>123</sup>  
RNAV (GPS) Rwy 5<sup>1</sup>  
RNAV (GPS) Rwy 13<sup>1</sup>  
RNAV (GPS) Rwy 23<sup>1</sup>  
RNAV (GPS) Rwy 31<sup>1</sup>  
VOR Rwy 31<sup>3</sup>

<sup>1</sup>NA when local weather not available.

<sup>2</sup>ILS, Categories A, B, C, D, 700-2.

<sup>3</sup>NA 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.

NAME ALTERNATE MINIMUMS

**ST. PAUL, MN**

LAKE ELMO (21D).....NDB Rwy 4<sup>1</sup>  
RNAV (GPS) Rwy 32

NA when local weather not available.  
<sup>1</sup>Categories A, B, 900-2; Category C 900-2½.

**ST. PAUL DOWNTOWN HOLMAN**

FIELD (STP).....ILS or LOC Rwy 14<sup>12</sup>  
ILS or LOC Rwy 32<sup>12</sup>  
NDB Rwy 31<sup>3</sup>  
RNAV (GPS) Rwy 14<sup>4</sup>  
RNAV (GPS) Rwy 32<sup>4</sup>

<sup>1</sup>NA when control tower closed.

<sup>2</sup>LOC, Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2½.

<sup>3</sup>Categories A, B, 900-2; Category C, 900-2½; Category D, 900-3.

<sup>4</sup>Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2½.

**SAUK CENTRE, MN**

SAUK CENTRE  
MUNI (D39).....RNAV (GPS) Rwy 14  
RNAV (GPS) Rwy 32

NA when local weather not available.

**SILVER BAY, MN**

SILVER BAY  
MUNI (BFW).....RNAV (GPS) Rwy 25  
NA when local weather not available.

**SIoux FALLS, SD**

JOE FOSS  
FIELD (FSD).....ILS or LOC Rwy 3<sup>12</sup>  
ILS or LOC Rwy 21<sup>13</sup>  
RADAR-1<sup>4</sup>  
VOR or TACAN Rwy 15<sup>5</sup>  
VOR/DME or TACAN Rwy 33<sup>4</sup>  
RNAV (GPS) Rwy 15<sup>6</sup>  
RNAV (GPS) Rwy 21<sup>7</sup>

<sup>1</sup>NA when control tower closed.

<sup>2</sup>ILS, Category D, 700-2.

<sup>3</sup>ILS, Categories A, B, C, D, 700-2.

<sup>4</sup>Category E, 800-2½.

<sup>5</sup>Category E, 900-3.

<sup>6</sup>Category C, 800-2½; Category D, 800-2½.

<sup>7</sup>Category D, 800-2½.

**SLAYTON, MN**

SLAYTON MUNI (DVP).....RNAV (GPS) Rwy 17  
RNAV (GPS) Rwy 35

NA when local weather not available.

NAME ALTERNATE MINIMUMS

**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 13<sup>1</sup>  
RNAV (GPS) Rwy 31<sup>2</sup>  
<sup>1</sup>Categories A, B, 900-2, Category C, 1000-2¾.  
<sup>2</sup>Categories A, B, 1000-2, Category C, 1000-2¾.

**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 31<sup>1</sup>  
RNAV (GPS) Rwy 4  
RNAV (GPS) Rwy 13  
RNAV (GPS) Rwy 22  
RNAV (GPS) Rwy 31  
VOR Rwy 13  
NA when local weather not available.  
<sup>1</sup>LOC, Category D, 900-2¾.

**TIOGA, ND**

TIOGA  
MUNI (D60).....RNAV (GPS) Rwy 30  
RNAV (GPS) Rwy 12  
NA when local weather not available.  
Category D, 800-2¼.

**TWO HARBORS, MN**

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

**VERMILLON, SD**

HAROLD DAVIDSON  
FIELD (VMR).....RNAV (GPS) Rwy 12  
RNAV (GPS) Rwy 30  
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.

NAME ALTERNATE MINIMUMS

**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 13<sup>1</sup>  
RNAV (GPS) Rwy 31  
NA when local weather not available.  
<sup>1</sup>Category C, 900-2¾; 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 35<sup>1</sup>  
LOC BC Rwy 17<sup>2</sup>  
RNAV (GPS) Rwy 12<sup>2</sup>  
RNAV (GPS) Rwy 17<sup>3</sup>  
RNAV (GPS) Rwy 30<sup>3</sup>  
RNAV (GPS) Rwy 35<sup>2</sup>  
VOR or TACAN Rwy 17<sup>3</sup>  
<sup>1</sup>ILS, LOC, Category C, 800-2¼; Category D, 800-2½.  
<sup>2</sup>Category C, 800-2¼; Category D, 800-2½.  
<sup>3</sup>NA 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**

SLOULIN FIELD  
INTL (ISN).....RNAV (GPS) Rwy 11  
RNAV (GPS) Rwy 29  
VOR Rwy 11  
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 31<sup>1</sup>  
NA when local weather not available.  
<sup>1</sup>Category D, 800-2¼.

**WINNER, SD**

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

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**WINONA, MN**

WINONA MUNI-MAX CONRAD

FLD (ONA).....**ILS Y or LOC Y Rwy 30**<sup>12</sup>  
**ILS Z or LOC Z Rwy 30**<sup>12</sup>  
**RNAV (GPS) Rwy 12**<sup>3</sup>  
**RNAV (GPS) Rwy 30**<sup>1</sup>

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

**WORTHINGTON, MN**

WORTHINGTON

MUNI (OTG).....**RNAV (GPS) Rwy 11**<sup>2</sup>  
**RNAV (GPS) Rwy 18**<sup>2</sup>  
**RNAV (GPS) Rwy 29**<sup>2</sup>  
**RNAV (GPS) Rwy 36**<sup>2</sup>  
**VOR Rwy 11**<sup>1</sup>  
**VOR Rwy 18**<sup>2</sup>

- <sup>1</sup>Category D, 800-2½.
- <sup>2</sup>NA 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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