

INSTRUMENT APPROACH PROCEDURE CHARTS

A IFR ALTERNATE AIRPORT MINIMUMS

Pilots must review the IFR Alternate Minimums Notes to determine alternate airport suitability.

ANA designation on the approach chart means that pilots may not use that approach as an alternate due to unmonitored facility, absence of weather reporting service, or lack of adequate navigation coverage. Approaches with the **A**NA designation are not listed in this section. **A** designation on the approach chart indicates that the approach procedure has non-standard minimums (for aircraft other than helicopters) or restrictions (for all users) for its use as an alternate.

Alternate Minima (ref: 14 CFR 91.169)

	Precision Approach	Non-Precision Approach
Standard	600-2	800-2
A Non-Standard or restrictions	As indicated below	As indicated below
Helicopters	For the selected approach: Ceiling: 200' above published ceiling Visibility: the greater of 1 SM visibility or the published visibility	
US Military (USA/USN/USAF)	See Service Regulations	

Note: For alternate airport flight planning purposes, precision approach operations include: ILS, PAR, and GLS, and Non-Precision approach operations include: NDB, VOR, LOC, TACAN, LDA, SDF, ASR, RNAV (GPS) and RNAV (RNP).

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
 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 17¹
 VOR Rwy 35²

NA when local weather not available.

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

²Category D, 800-2½.

NAME ALTERNATE MINIMUMS

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.

BAUDETTE, MN

BAUDETTE
 INTL (BDE).....**RNAV (GPS) Rwy 12**
 RNAV (GPS) Rwy 30¹
 NA when local weather not available.
¹Categories A, B, C, D, 900-4.

NAME ALTERNATE MINIMUMS

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 13¹²
ILS or LOC Rwy 31¹²
RADAR-1¹³
RNAV (GPS) Rwy 3³
RNAV (GPS) Rwy 13³
RNAV (GPS) Rwy 21³
RNAV (GPS) Rwy 31³
VOR-A³

¹NA when control tower closed.

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

³Category 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.

¹Category D, 700-2.

BRITTON, SD

BRITTON MUNI (BTN).....RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 31

NA when local weather not available.

BROOKINGS, SD

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

NA when local weather not available.

Category D, 800-2¼.

NAME ALTERNATE MINIMUMS

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.

Category D, 800-2½.

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

NA when local weather not available.

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.

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NAME ALTERNATE MINIMUMS

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, 900-2 $\frac{1}{4}$;
Category D, 900-2 $\frac{1}{4}$.
²Category C, 800-2 $\frac{1}{4}$, Category D, 800-2 $\frac{1}{4}$.

DICKINSON, ND

DICKINSON/THEODORE ROOSEVELT
RGNL (DIK).....RNAV (GPS) Rwy 7
RNAV (GPS) Rwy 14
RNAV (GPS) Rwy 25
RNAV (GPS) Rwy 32
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, 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
TACAN Y Rwy 9⁴
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.
⁴Category E, 800-2 $\frac{1}{4}$.

SKY HARBOR (DYT).....RNAV (GPS) Rwy 32
NA when local weather not available.

ELY, MN

ELY MUNI (ELO).....RNAV (GPS) Rwy 12
RNAV (GPS) Rwy 30
NA when local weather not available.
Category D, 1000-3.

EVELETH, MN

EVELETH/VIRGINIA
MUNI (EVM).....RNAV (GPS) Rwy 27
VOR-A
NA when local weather not available.
Category C, 900-2 $\frac{3}{4}$; Category D, 1100-3.

NAME ALTERNATE MINIMUMS

FAIRMONT, MN

FAIRMONT MUNI (FRM).....RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 31
NA when local weather not available.
Category C, 900-2 $\frac{1}{4}$; Category D, 900-2 $\frac{1}{4}$.

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, 800-2 $\frac{1}{4}$;
Category E, 800-2 $\frac{1}{2}$. LOC, Category D,
800-2 $\frac{1}{4}$; Category E, 800-2 $\frac{1}{2}$.
²Category D, 800-2 $\frac{1}{4}$, Category E, 800-2 $\frac{1}{2}$.
³Category D, 800-2 $\frac{1}{4}$.

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, MN

FERGUS FALLS MUNI/EINAR MICKELSON
FLD (FFM).....RNAV (GPS) Rwy 13¹
RNAV (GPS) Rwy 31¹
RNAV (GPS) Rwy 35
NA when local weather not available.
¹Category D, 800-2 $\frac{1}{4}$.

FOSSTON, MN

FOSSTON MUNI/ANDERSON
FLD (FSE).....RNAV (GPS) Rwy 16
RNAV (GPS) Rwy 34
NA when local weather not available.

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.

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NAME ALTERNATE MINIMUMS

GRAND FORKS, ND

GRAND FORKS
INTL (GFK).....**ILS or LOC Rwy 35L**¹²
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, 900-2¼.

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, MN

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

HAZEN, ND

MERCER COUNTY
RGNL (HZE).....**RNAV (GPS) Rwy 14**
RNAV (GPS) Rwy 32

NA when local weather not available.

HETTINGER, ND

HETTINGER/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 13**¹
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 12**¹
LOC BC Rwy 30²
RNAV (GPS) Rwy 12²
RNAV (GPS) Rwy 30²

NA when local weather not available.

¹LOC, Category D, 800-2¼.²Category D, 800-2¼.**HUTCHINSON, MN**

HUTCHINSON MUNI/BUTLER
FLD (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 13²
RNAV (GPS) Rwy 31²
VOR Rwy 13²
VOR Rwy 31²

NA when local weather not available.

¹LOC, Category D, 800-2¼.²Category D, 800-2¼.**JACKSON, MN**

JACKSON (MJQ).....**RNAV (GPS) Rwy 13**
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.

LANGDON, ND

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

NA when local weather not available.

LONG PRAIRIE, MN

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

NAME ALTERNATE MINIMUMS

LONGVILLE, MN

LONGVILLE
MUNI (XVG).....RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 31
NA when local weather not available.

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.

LUVERNE, MN

QUENTIN AANENSON
FLD (LYV).....RNAV (GPS) Rwy 18
NA when local weather not available.
Category C, 1000-2¾; Category D, 1000-3.

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.
Category D, 800-2¼.

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

NAME ALTERNATE MINIMUMS

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.

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.

ANOKA COUNTY/BLAINE

(JANES FLD) (ANE).....ILS or LOC Rwy 27
RNAV (GPS) Rwy 27
NA 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.

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NAME ALTERNATE MINIMUMS

MINNEAPOLIS, MN (CON'T)

MINNEAPOLIS-ST. PAUL INTL/WOLD-
CHAMBERLAIN (MSP).....**ILS or LOC Rwy 12L**¹
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, 900-2¼;
- Category E, 1000-3; LOC, Category D, 900-2¼;
- Category E, 1000-3.
- ²ILS, Category C, 700-2; Category D, 900-2¼;
- Category E, 1000-3; LOC, Category D, 900-2¼;
- Category E, 1000-3.
- ³Category D, 900-2¼; Category E, 1000-3.
- ⁴Category D, 900-2¼.
- ⁵Category D, 800-2½; Category E, 1000-3.

MINOT, ND

MINOT INTL (MOT).....**ILS or LOC Rwy 31**¹²
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, 900-2¼.

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/FLORENCE
KLINGENSMITH FLD (JKJ)...**RNAV (GPS) Rwy 30**¹
VOR-A²

- ¹NA when local weather not available.
- ²Category 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.
Category C, 900-2¼.

ORTONVILLE, MN

ORTONVILLE MUNI/MARTINSON
FLD (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
FLD (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.

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NAME ALTERNATE MINIMUMS

PIERRE, SD

PIERRE RGNL (PIR).....ILS or LOC Rwy 31¹²
RNAV (GPS) Rwy 7¹³
RNAV (GPS) Rwy 13³
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.

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, 800-2¼; Category E, 800-2½.

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.

NAME ALTERNATE MINIMUMS

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/LEONARD
KRECH FLD (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.

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

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
ILS or LOC Rwy 31¹²³
RNAV (GPS) Rwy 5¹
RNAV (GPS) Rwy 13¹⁴
RNAV (GPS) Rwy 23¹
RNAV (GPS) Rwy 31¹⁴
VOR Rwy 31²⁴

¹NA when local weather not available.

²NA when control tower closed.

³LOC, Category D, 900-2¾.

⁴Category D, 900-2¾.

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NAME ALTERNATE MINIMUMS

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, 900-2¼.

³Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2¼.

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.

SIoux FALLS, SD

JOE FOSS
FLD (FSD).....ILS or LOC Rwy 3¹²
ILS or LOC Rwy 21¹²⁵
RADAR-1³
RNAV (GPS) Rwy 3⁴
RNAV (GPS) Rwy 15⁴⁵
RNAV (GPS) Rwy 21⁴
RNAV (GPS) Rwy 33⁴⁵
VOR or TACAN Rwy 15⁵
VOR/DME or TACAN Rwy 33⁵

¹NA when control tower closed.

²LOC, Category D, 800-2½ Category E 900-3.

³Category E, 800-2¼.

⁴Category D, 800-2½.

⁵NA when local weather not available.

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, 800-2¼.

NAME ALTERNATE MINIMUMS

SPEARFISH, SD

BLACK HILLS-
CLYDE ICE FLD (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.

STANLEY, ND

STANLEY MUNI (08D).....RNAV (GPS) Rwy 28
NA when local weather not available.

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, 900-2¼.

²NA when local weather not available.

³Category D, 900-2¼.

TIOGA, ND

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

Category D, 800-2¼.

¹NA when local weather not available.

TRACY, MN

TRACY MUNI (TKC).....RNAV (GPS) Rwy 11
RNAV (GPS) Rwy 29
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.

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23 MAR 2023 to 20 APR 2023

NAME ALTERNATE MINIMUMS

WAHPETON, ND

HARRY
STERN (BWP).....RNAV (GPS) Rwy 33
NA when local weather not available.
Category D, 800-2¼.

WALHALLA, ND

WALHALLA MUNI (96D).....RNAV (GPS) Rwy 33
NA when local weather not available.
Category B, 1100-2.

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, 900-2¾; Category D, 900-3.

WASECA, MN

WASECA MUNI/MAYNARD RICHARD
STENSrud FLD (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
RNAV (GPS) Rwy 12²
RNAV (GPS) Rwy 17²
RNAV (GPS) Rwy 30²
RNAV (GPS) Rwy 35²

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

WATFORD CITY, ND

WATFORD CITY
MUNI (S25).....RNAV (GPS) Rwy 30
NA when local weather not available.
Category D, 900-2¼.

WHEATON, MN

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

NAME ALTERNATE MINIMUMS

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, 900-2¾.

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).....RNAV (GPS) Rwy 12¹
RNAV (GPS) Rwy 30²
¹Categories A, B, 1000-2; Category C, 1200-3;
Category D, 1400-3.
²NA when local weather not available.

WORTHINGTON, MN

WORTHINGTON
MUNI (OTG).....ILS or LOC Rwy 29¹
RNAV (GPS) Rwy 11²
RNAV (GPS) Rwy 18²
RNAV (GPS) Rwy 29²
RNAV (GPS) Rwy 36²
NA when local weather not available.
¹LOC, Category D, 800-2½.
²Category D, 800-2½.

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.