



INSTRUMENT APPROACH PROCEDURE CHARTS

A IFR ALTERNATE AIRPORT MINIMUMS

Standard alternate minimums for non precision approaches are 800-2 (NDB, VOR, LOC, TACAN, LDA, VORTAC, VOR/DME, ASR or WAAS LNAV); for precision approaches 600-2 (ILS or PAR). 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 or absence of weather reporting service. Civil pilots see FAR 91. IFR Alternate Airport Minimums: Ceiling and Visibility Minimums not applicable to USA/USN/USAF. Pilots must review the IFR Alternate Airport Minimums Notes for alternate airfield suitability.

NAME ALTERNATE MINIMUMS

ADRIAN, MI

LENAWEE COUNTY RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23

NA when local weather not available.

ALPENA, MI

ALPENA COUNTY RGNL ... RNAV (GPS) Rwy 1

NA when local weather not available.

ANN ARBOR, MI

ANN ARBOR MUNI RNAV (GPS) Rwy 6¹
RNAV (GPS) Rwy 24¹

VOR Rwy 6²

VOR Rwy 24²

¹NA when local weather not available.

²NA when control tower closed.

BAD AXE, MI

HURON COUNTY

MEMORIAL RNAV (GPS) Rwy 4
RNAV (GPS) Rwy 17
RNAV (GPS) Rwy 22

RNAV (GPS) Rwy 35

NA when local weather not available.

BATTLE CREEK, MI

W.K. KELLOGG ILS or LOC Rwy 23¹
RADAR-1²

RNAV (GPS) Rwy 5³

RNAV (GPS) Rwy 23³

VOR or TACAN Rwy 5⁴

VOR Rwy 23³

VOR or TACAN or GPS Rwy 31⁴

¹NA when control tower closed.

²NA when Kalamazoo control tower closed.

³NA when local weather not available.

⁴NA when control tower closed except for operators with approved weather reporting service.

NAME ALTERNATE MINIMUMS

BEAVER ISLAND, MI

BEAVER ISLAND RNAV (GPS) Rwy 27

NA when local weather not available.

BELLAIRE, MI

ANTRIM COUNTY RNAV (GPS) Rwy 2¹²
VOR Rwy 2³

¹NA when local weather not available.

²Category D, 900-2 $\frac{3}{4}$.

³Categories A,B, 1000-2; Category C, 1000-2 $\frac{3}{4}$;

Category D, 1000-3.

BENTON HARBOR, MI

SOUTHWEST

MICHIGAN RGNL RNAV (GPS) Rwy 9
VOR Rwy 9

NA when local weather not available.

CADILLAC, MI

WEXFORD COUNTY NDB Rwy 7¹
NDB Rwy 25²

RNAV (GPS) Rwy 7³

RNAV (GPS) Rwy 25³

¹Categories, A, B, 900-2; Category C, 900-2 $\frac{1}{2}$; Category D, 900-2 $\frac{3}{4}$.

²Category D, 800-2 $\frac{1}{4}$.

³NA when local weather not available.

CARO, MI

TUSCOLA AREA RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23

VOR/DME-A

NA when local weather not available.

CHARLEVOIX, MI

CHARLEVOIX MUNI RNAV (GPS) Rwy 9

NA when local weather not available.

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NAME ALTERNATE MINIMUMS

CHARLOTTE, MI

FITCH H BEACH RNAV (GPS) Rwy 20
NA when local weather not available.

COLDWATER, MI

BRANCH COUNTY
MEMORIAL RNAV (GPS) Rwy 7
RNAV (GPS) Rwy 25
VOR Rwy 7
VOR/DME Rwy 25
NA when local weather not available.

DETROIT, MI

COLEMAN A.
YOUNG MUNI ILS or LOC Rwy 33¹
NDB Rwy 15²
RNAV (GPS) Rwy 15²
RNAV (GPS) Rwy 33²
VOR Rwy 33²

¹ILS, 700-2.

²NA when local weather not available.

WILLOW RUN VOR or GPS-A
Category D, 800-2¼.

DETROIT/GROSSE ILE, MI

GROSSE ILE MUNI NDB Rwy 4¹
RNAV (GPS) Rwy 4²
RNAV (GPS) Rwy 22²
VOR-A²

NA when local weather not available.

¹Category A, B, 1000-2; Category C, 1000-2¾;
Category D, 1000-3.

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

ESCANABA, MI

DELTA COUNTY ILS or LOC Rwy 9¹
LOC BC Rwy 27²
RNAV (GPS) Rwy 9²³
RNAV (GPS) Rwy 27²³
VOR Rwy 9²³
VOR Rwy 27²³
VOR Rwy 36²

¹ILS, Category C, 700-2; Category D, 800-2¼.
LOC, Category D, 800-2¼.

²Category D, 800-2¼.

³NA when local weather not available.

FLINT, MI

BISHOP INTL ILS Rwy 9¹²
ILS Rwy 27²
RADAR-1²
RNAV (GPS) Rwy 27³

¹LOC, DME required

²NA when control tower closed.

³NA when local weather not available.

NAME ALTERNATE MINIMUMS

FRANKFORT, MI

FRANKFORT DOW
MEMORIAL FIELD RNAV (GPS) Rwy 15¹
RNAV (GPS) Rwy 33¹
VOR/DME-A²

NA when local weather not available.

¹Category C, 900-2¼.

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

FREMONT, MI

FREMONT MUNI RNAV (GPS) Rwy 18
RNAV (GPS) Rwy 36
NA when local weather not available.

GAYLORD, MI

GAYLORD RGNL ILS Rwy 9¹
VOR or GPS Rwy 9²
VOR or GPS Rwy 27²

¹ILS, Categories B,C, 700-2; Category D,
800-2½. LOC, Category D, 800-2¼.

²Category D, 800-2¼.

GRAND RAPIDS, MI

GERALD R. FORD INTL . ILS or LOC Rwy 8R¹
ILS or LOC Rwy 26L¹
ILS or LOC Rwy 35¹²
RADAR-1³
RNAV (GPS) Rwy 8L¹
RNAV (GPS) Rwy 8R¹
RNAV (GPS) Rwy 17¹
RNAV (GPS) Rwy 26L¹
RNAV (GPS) Rwy 26R¹
RNAV (GPS) Rwy 35¹
VOR Rwy 35¹

¹NA when local weather not available.

²ILS, Categories A, B, C, 700-2; Category D,
700-2¼. LOC, Category D, 800-2¼.

³NA when control tower is closed.

GRAYLING, MI

GRAYLING AAF RNAV (GPS) Rwy 14
NA when local weather not available.

HANCOCK, MI

HOUGHTON
COUNTY MEMORIAL ILS or LOC Rwy 31¹²
LOC/DME BC Rwy 13²³
RNAV (GPS) Rwy 31³
VOR Rwy 25³
VOR Rwy 31³

¹ILS, Category D, 700-2¼; LOC, Category D,
800-2¼.

²NA when local weather not available.

³Category D, 800-2¼.



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NAME ALTERNATE MINIMUMS
HARBOR SPRINGS, MI
 HARBOR SPRINGS RNAV (GPS) Rwy 10
 RNAV (GPS) Rwy 28
 NA when local weather not available.
 Category B, 900-2.

HOLLAND, MI
 TULIP CITY RNAV (GPS) Rwy 8
 RNAV (GPS) Rwy 26
 NA when local weather not available.

HOUGHTON LAKE, MI
 ROSCOMMON COUNTY-
 BLODGETT MEMORIAL RNAV (GPS) Rwy 9
 RNAV (GPS) Rwy 27
 NA when local weather not available.

HOWELL, MI
 LIVINGSTON COUNTY
 SPENCER J HARDY RNAV (GPS) Rwy 13
 RNAV (GPS) Rwy 31
 VOR Rwy 31
 NA when local weather not available.

IRON MOUNTAIN-KINGSFORD, MI
 FORD RNAV (GPS) Rwy 1
 RNAV (GPS) Rwy 19
 VOR Rwy 31
 NA when local weather not available.

IRONWOOD, MI
 GOGEBIC-
 IRON COUNTY RNAV (GPS) Rwy 9
 RNAV (GPS) Rwy 27
 VOR/DME Rwy 9
 VOR/DME Rwy 27
 NA when local weather not available.
 Category A, B, 900-2; Category C, 900-2½;
 Category D, 1000-3.

JACKSON, MI
 JACKSON COUNTY-REYNOLDS
 FIELD ILS Rwy 24¹²
 NDB Rwy 24¹
 RNAV (GPS) Rwy 6³
 RNAV (GPS) Rwy 14³
 RNAV (GPS) Rwy 24³
 RNAV (GPS) Rwy 32³
 VOR Rwy 6³
 VOR Rwy 14³
 VOR Rwy 32³
 VOR/DME Rwy 24³

¹NA when control tower closed.
²ILS, Category D, 700-2.
³NA when local weather not available.

NAME ALTERNATE MINIMUMS
KALAMAZOO, MI
 KALAMAZOO/BATTLECREEK
 INTL ILS or LOC Rwy 35¹
 LOC BC Rwy 17¹
 NDB Rwy 35¹
 RADAR-1¹
 VOR Rwy 5¹²
 VOR Rwy 23³

¹NA when control tower closed.
²Category D, NA.
³NA when control tower closed, except for operators with approved weather reporting service.

LUDINGTON, MI
 MASON COUNTY RNAV (GPS) Rwy 8
 RNAV (GPS) Rwy 26
 NA when local weather not available.

MANISTEE, MI
 MANISTEE
 COUNTY-BLACKER ILS Rwy 27
 ILS, Category D, 700-2½. LOC, Category D,
 800-2½.

MARQUETTE, MI
 SAWYER INTL ILS Rwy 1
 LOC, NA.

MENOMINEE, MI
 MENOMINEE-MARINETTE
 TWIN COUNTY RNAV (GPS) Rwy 3
 RNAV (GPS) Rwy 21
 RNAV (GPS) Rwy 32
 VOR-A
 NA when local weather not available.

MIDLAND, MI
 JACK BARSTOW RNAV (GPS) Rwy 6
 RNAV (GPS) Rwy 24
 VOR-A
 NA when local weather not available.

MONROE, MI
 CUSTER RNAV (GPS) Rwy 3
 RNAV (GPS) Rwy 21
 VOR Rwy 3¹
 VOR Rwy 21
 NA when local weather not available.
¹Category D, 800-2½.

MOUNT PLEASANT, MI
 MOUNT PLEASANT MUNI ... RNAV (GPS) Rwy 9
 RNAV (GPS) Rwy 27
 VOR Rwy 27
 NA when local weather not available.

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ALTERNATE MINS

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NAME ALTERNATE MINIMUMS

STURGIS, MI

KIRSCH MUNI **RNAV (GPS) Rwy 18**
NA when local weather not available.
Category D, 800-2¼.

TRAVERSE CITY, MI

CHERRY CAPITAL **ILS Rwy 28¹²**
NDB or GPS Rwy 28²³
RNAV (GPS) Rwy 10⁴⁵
VOR or TACAN or GPS-A³

¹ILS, Categories A,B, 800-2; Category C, 800-2¼; Category D, 800-2½. LOC, Category C, 800-2¼; Category D, 800-2½.

²NA when control tower closed.

³Category C, 800-2¼; Category D, 800-2½.

⁴Categories A, B, 1400-2; Categories C, D, 1400-3.

⁵NA when local weather not available.

WEST BRANCH, MI

WEST BRANCH
COMMUNITY **RNAV (GPS) Rwy 9¹**
RNAV (GPS) Rwy 27

NA when local weather not available.

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

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