**ILS or LOC RWY 31**

**RANGE RGNL (HIB)**

**Malfunctioning MALSR, increase BOYAC FIX minimums S-LOC 31 Cat D visibility to 1.** DME from HIB VOR/DME.

**MISSED APPROACH:** Climb to 2500 then climbing right turn to 3600 direct HIB VOR/DME and hold.

---

**ASOS**
126.425

**DULUTH APP CON**
125.45 233.7

**CLNC DEL**
127.4

**UNICOM**
123.0 (CTAF)

---

**LOCALIZER**
109.5

**BOYAC HIB**

---

**2500**

**HIB**

**BOYAC HIB**

**HIB VOR/DME OM**

---

**ELEV 1353**

**TDZE 1343**

---

**RANGE RGNL (HIB)**

---

**HIB**

**HIB Rwy 13-31**

**HIRL**

---

**S-LOC 31**

**CIRCLING**

**BOYAC FIX MINIMUMS**

---

**I-HIB**

**HIB VOR/DME OM**

---

**One Minute Holding Pattern**

---

**GS 2.9° TCH 60°**

---

**CATEGORY**

**A**

**B**

**C**

**D**

---

**Min/Sec**

6:54 4:36 3:27 2:46 2:18
Autopilot couple approach NA below 2388.

MISSED APPROACH: Climb to 3600 direct HIB VOR/DME and hold.

DME REQUIRED

- ILS or LOC/DME RWY 13
- RANGE RGNL (HIB)

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-ILS 13</td>
<td>1554-½</td>
<td>200 (200-½)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S-LOC 13</td>
<td>2060-½</td>
<td>706 (800-½)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CIRCLING</td>
<td>2060-1</td>
<td>706 (800-1)</td>
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</table>
Circling to Rwy 4 NA at night. DME/DME RNP-0.3 NA. VDP and Baro-VNAV NA when using Eveleth altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 35°C (95°F). Helicopter visibility reduction below ¾ SM NA. When local altimeter setting not received, use Eveleth altimeter setting and increase all DA 36 feet, and all MDA 40 feet, and increase LNAV Cat C/D visibility to 1 mile. Inop table does not apply to LPV and LNAV/VNAV all Cats. For inop MALS, increase LNAV Cat A/B visibility to 1 mile. For inop MALS when using Eveleth altimeter setting, increase LPV and LNAV/VNAV all Cats visibility to .

**ASOS**
- HIBBING, MINNESOTA
- 126.425

**DULUTH APP CON**
- 125.45
- 233.7

**CLNC DEL**
- 127.4

**UNICOM**
- 123.0 (CTAF)

**MALSR**
- Climb to 3500 direct CEKSA and hold.

**MISSED APPROACH**
- Climb to 3500 direct CEKSA and hold.

**ELEV**
- 1354

**TDZE**
- 1354

**CEKSA and hold.**
RNAV (GPS) RWY 22
RANGE RGNL (HIB)

Proceedure not authorized at night. GPS or RNP-0.3 required. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 3500 direct SEYOP WP and hold.

<table>
<thead>
<tr>
<th>ASOS</th>
<th>DULUTH APP CON</th>
<th>CLNC DEL</th>
<th>UNICOM</th>
</tr>
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<tbody>
<tr>
<td>126.425</td>
<td>125.45 233.7</td>
<td>127.4</td>
<td>123.0 (CTAF)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>LNAV MDA</td>
<td>1800</td>
<td>450</td>
<td>(500-1)</td>
<td>NA</td>
</tr>
<tr>
<td>CIRCLING</td>
<td>1820-1</td>
<td>1840-1</td>
<td>467 (500-1)</td>
<td>487 (500-1)</td>
</tr>
</tbody>
</table>
RNAV (GPS) RWY 31
HIBBING, MINNESOTA

**RNAV (GPS) RWY 31**

**Range Rgnl (HIB)**

**Amdt 1A 28MAY15**

**HIBBING, MINNESOTA**

**AL-5159 (FAA)**

**Category B**

**1354**

**ELEV 1354**

**TDZE 1345**

**1395**

**1368**

**1391**

**1388**

**1390**

**X 150**

**3075**

**X 75**

**310° to RW31**

**310° to RW31**

**HIBDA 1.5 NM to RW31**

**AYADO (FAF)**

**CEKSA (IF/IAF)**

**AYADO**

**HIBDA**

**FENOK**

**MALSR**

**Apt Elev 1354**

**Rwy Idg 6758**

**TDZE 1345**

**W31A**

**APP CRS 310°**

**VAWAS CH 65722**

**Circling to Rwy 4 NA at night. For uncompensated Baro VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 35°C (95°F). DME/DME RNP-0.3 NA. VDP and Baro VNAV NA when using Eveleth altimeter setting. When local altimeter setting not received, use Eveleth altimeter setting and increase all DA 36 feet and all MDA 40 feet. For inop MALSRs increase LNAV/VNAV all Cats visibility to 1/2 mile, LNAV Cat C/D to 1 mile. For inop MALSRs when using Eveleth altimeter setting, increase LNAV/VNAV all Cats visibility to 3/4 mile.**

**ASOS 126.425**

**DULUTH APP CON 125.45 233.7**

**CLNC DEL 127.4**

**UNICOM 123.0 (CTAF)**

**MISSED APPROACH:** Climb to 3500 direct FENOK and hold.

**30 Nm to CEKSA (Nor)**

**130° to 1860**

**310° to 3300**

**6 NM**

**VGSI and RNAV glidepath not coincident (VGSI Angle 2.90/TCH 62).**

**VPV DA**

**1545-1/2 200 (200-1/2)**

**LNAV/VNAV DA**

**1595-1/2 250 (300-1/2)**

**LNAV MDA**

**1680-1/2 335 (400-1/2)**

**1680-5/6 335 (400-5/6)**

**CIRCLING**

**1820-1 466 (500-1)**

**1840-1 486 (500-1)**

**1840-1 486 (500-1/2)**

**1920-2 566 (600-2)**

**47°23’N-92°50’W**

**RANGE RGNL (HIB)**

**NC-1, 31 DEC 2020 to 28 JAN 2021**

**NC-1, 31 DEC 2020 to 28 JAN 2021**

**Range Rgnl (HIB)**

**RANGE RGNL (HIB)**

**HIBBING, MINNESOTA**

**Amdt 1A 28MAY15**

**47°23’N-92°50’W**

**RANGE RGNL (HIB)**

**RCRAV (GPS) RWY 31**
RNAV (GPS) RWY 4
RANGE RGNL (HIB)

**APP CRS** 047°  
Rwy Idg 3075  
TDZE 1352  
Apt Elev 1354

**RNP APCH.**  
- Procedure not authorized at night.  
- Rwy 4 helicopter visibility reduction below ¾ SM NA.

**ASOS**  
126.425

**DULUTH APP CON**  
125.45  233.7

**CLNC DEL**  
127.4

**UNICOM**  
123.0 (CTAF)

**RNAV (GPS) RWY 4**

**RNP APCH.**  
- Procedure not authorized at night.  
- Rwy 4 helicopter visibility reduction below ¾ SM NA.

**ASOS**  
126.425

**DULUTH APP CON**  
125.45  233.7

**CLNC DEL**  
127.4

**UNICOM**  
123.0 (CTAF)

**RNAV (GPS) RWY 4**

**RNP APCH.**  
- Procedure not authorized at night.  
- Rwy 4 helicopter visibility reduction below ¾ SM NA.

**ASOS**  
126.425

**DULUTH APP CON**  
125.45  233.7

**CLNC DEL**  
127.4

**UNICOM**  
123.0 (CTAF)

**RNAV (GPS) RWY 4**

**RNP APCH.**  
- Procedure not authorized at night.  
- Rwy 4 helicopter visibility reduction below ¾ SM NA.

**ASOS**  
126.425

**DULUTH APP CON**  
125.45  233.7

**CLNC DEL**  
127.4

**UNICOM**  
123.0 (CTAF)