

|                                        |                        |                                                     |                                           |
|----------------------------------------|------------------------|-----------------------------------------------------|-------------------------------------------|
| WAAS<br>CH <b>69311</b><br><b>W31A</b> | APP CRS<br><b>313°</b> | Rwy Ldg<br>TDZE <b>1114</b><br>Apt Elev <b>1119</b> | <b>6304</b><br><b>1114</b><br><b>1119</b> |
|----------------------------------------|------------------------|-----------------------------------------------------|-------------------------------------------|

RNAV (GPS) RWY 31

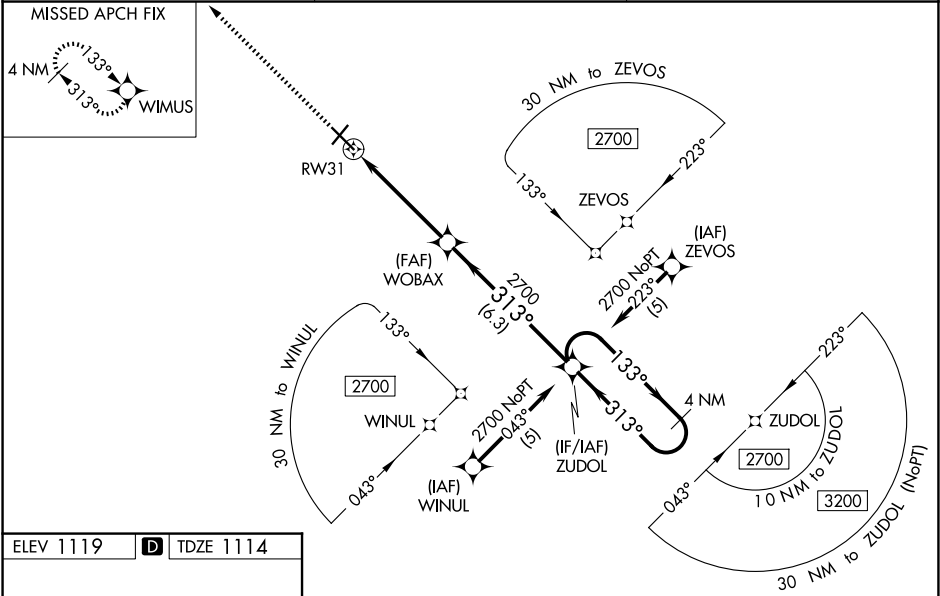
THIEF RIVER FALLS RGNL (TVF)

Baro-VNAV and VDP NA when using Crookston altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Crookston altimeter setting: increase LPV DA to 1446 feet and all visibilities  $\frac{1}{8}$  SM; increase LNAV/VNAV DA to 1510 feet and all visibilities  $\frac{3}{8}$  SM; increase all MDAs 100 feet and visibility Cats C and D  $\frac{1}{4}$  SM. For inoperative MALSR, increase LNAV Cats C/D visibility to  $\frac{1}{8}$  mile. For inoperative MALSR, when using Crookston altimeter setting, increase LPV all Cats visibility to  $\frac{1}{8}$  mile, LNAV/VNAV all Cats visibility to  $\frac{1}{4}$  mile, LNAV Cats C/D visibility to  $\frac{1}{8}$  mile.

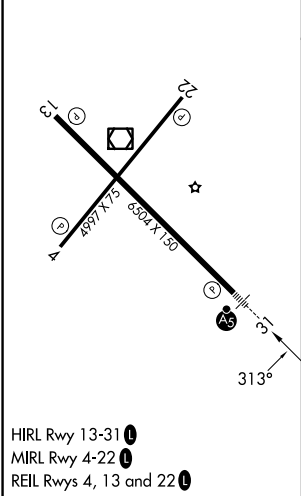
MALSR

MISSED APPROACH:  
Climb to 2700 direct WIMUS and hold.

|                            |                                           |                               |
|----------------------------|-------------------------------------------|-------------------------------|
| AWOS-3PT<br><b>119.025</b> | MINNEAPOLIS CENTER<br><b>132.15 269.6</b> | UNICOM<br><b>122.8 (CTAF)</b> |
|----------------------------|-------------------------------------------|-------------------------------|



|           |          |           |
|-----------|----------|-----------|
| ELEV 1119 | <b>D</b> | TDZE 1114 |
|-----------|----------|-----------|



|              |                     |                           |                           |                                                    |
|--------------|---------------------|---------------------------|---------------------------|----------------------------------------------------|
| 2700         | WIMUS               | WOBAX                     | ZUDOL                     | 4 NM Holding Pattern                               |
| * LNAV only  | * 1.3 NM to RW31    | 2700                      | 313°                      | 133°                                               |
|              | 1.3 NM              | 3.5 NM                    | 6.3 NM                    | GP 3.00°<br>TCH 55                                 |
| CATEGORY     | A                   | B                         | C                         | D                                                  |
| LPV DA       | 1364- $\frac{1}{2}$ |                           | 250 (300- $\frac{1}{2}$ ) |                                                    |
| LNAV/VNAV DA | 1428- $\frac{1}{2}$ |                           | 314 (400- $\frac{1}{2}$ ) |                                                    |
| LNAV MDA     | 1580- $\frac{1}{2}$ | 466 (500- $\frac{1}{2}$ ) | 1580-1                    | 466 (500-1)                                        |
| CIRCLING     | 1580-1              | 461 (500-1)               | 1820-2<br>701 (800-2)     | 1980-2 $\frac{3}{4}$<br>861 (900-2 $\frac{3}{4}$ ) |