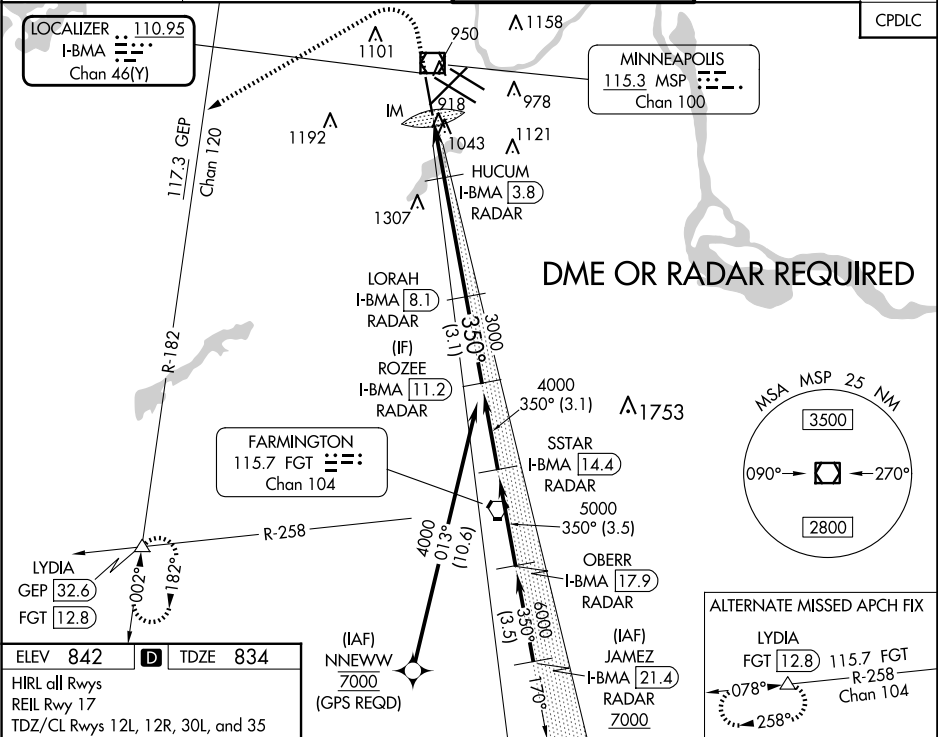


LOC/DME I-BMA	APP CRS	Rwy ldg	8000
110.95	350°	TDZE	834
Chan 46 (Y)		Apt Elev	842

ILS Z or LOC RWY 35

MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN (MSP)

▼ ▲ DME or RADAR required. For inop ALS, increase S-ILS 35 Cat E visibility to RVR 4000 and S-LOC 35 Cats C/D/E visibility to RVR 5500.	ALS F-2 A
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ELEV **842**

TDZE **834**

HIRL all Rwy

REIL Rwy 17

TDZ/CL Rwy 12L, 12R, 30L, and 35

1600

3000

GEP R-182

LYDIA

VGSI and ILS glidepath not coincident (VGSI Angle 3.00°/TCH 71°).

ROZEE I-BMA **11.2** RADAR

LORAH I-BMA **8.1** RADAR

HUCUM I-BMA **3.8** RADAR

I-BMA **1.5** IM

I-BMA **2.3**

3000

350°

4000

3000

GS 3.00° TCH 55

CATEGORY

A

B

C

D

E

S-ILS 35

1034/18

200 (200-½)

S-LOC 35

1180/24

346 (400-½)

1180/30

346 (400-¾)

CIRCLING

1360-1

518 (600-1)

1460-1¾

1660-2¾

1800-3

618 (700-1¾)

818 (900-2¾)

958 (1000-3)