

ILS RWY 12L (SA CAT I)
MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN (MSP)

(IAF) KAYQU
7000 210K
(RNAV 1-GPS REQD)

5000 181° (6.6)

SHUUT

301° 6000 121° (3.1)

(IAF) CCJAY
I-PJL [20.3]
RADAR
(RADAR REQD)

UBTYA
I-PJL [17.2]
RADAR

ALGIN
I-PJL [14.1]
RADAR

4000 121° (3.1)

4000 151° (6.4)

(IF) HAMML
I-PJL [10.9]
RADAR

3000 121° (3.1)

WASHY
I-PJL [7.8]
RADAR

MINNEAPOLIS
115.3 MSP
Chan 100

MSA MSP 25 NM
3500
2800
090° 270°

LOCALIZER 110.7
I-PJL

Chan 44

R-096

The diagram illustrates a cable-stayed bridge with a central main span and two approach spans. The main span is supported by two tall, A-frame towers. Cables connect the towers to the bridge deck. The approach spans are supported by piers. The diagram includes various labels for structural components, such as 'TWR' (tower), 'C' (cable), 'P' (pier), 'A' (abutment), and 'B' (bearing). Dimensions and angles are provided for the main span, including a length of 1000 X 200 and a cable angle of 100°. The approach spans are labeled with dimensions like 8000 X 150 and 3200 X 150. The diagram also shows the bridge deck, girders, and various structural details like bearings and connections.

HIRL all Rwy
REIL Rwy 17
TDZ/CL Rwy 12L, 12R, 30L, and 35