

CONTRACTED PROFILE
 SCALE: HOR. 1" = 100' VER. 1" = 10'

TYPICAL SECTIONS & PERTINENT DATA
 SCALES AS SHOWN

Fed. Proj. No.

LOCATION ENGINEER'S OBSERVATIONS AT BRIDGE SITE

1. Special Features: Waterfalls, dams, floods, ice, debris, sliding banks, recreational boating.
2. Other bridges or culverts over the same stream (particularly structures which carry high water without overflow of roadway) - Given location, type, length, height above high water, cross-sectional area etc.
3. Apparent highwater elevation: Obtained from: _____
4. Other data: Approx. velocity of water at time of survey: _____

HYDRAULIC ENGINEERS RECOMMENDATION

Stream or ditch designation: _____
 Drainage area: _____
 Max. flood on record: _____ Yr. freq. _____ C.F.S.
 Design highwater elevation: _____ Design highwater elevation: _____
 Design mean velocity through structure: _____ F.P.S.
 Low superstructure at or above elevation: _____
 Flowline elevation: _____ Skew angle: _____
 Waterway area req'd. below elevation: _____ Sq. Ft. at Rt. angles to channel: _____

In the interest of flood plain zoning the regional flood (100 yr. freq.) is _____ C.F.S. at stage _____ and mean velocity of _____ F.P.S. with _____ Ft. wellhead. The above recommendation will provide a structure of adequate waterway to pass the regional flood within criteria established by the Dept. of Natural Resources.

FOUNDATION ENGINEERS RECOMMENDATION

DATE: _____

Bridge survey sheet made from: _____
 Bench mark elevation: 882.68 (M.S.L. 1929 Ad.)
 Location: TOP MT. HVD. N.E. CORN. BUNKER LAKE BLVD. (C.S.A.H. 116) & NEW CROSSTOWN BLVD. (C.R. 18)

MINNESOTA
 DEPARTMENT OF TRANSPORTATION

BRIDGE SURVEY

AT MILE POINT _____ ON _____ (T.H. C.S.A.H. CR. NO.) _____ OF _____ MILES
 PROPOSED BRIDGE LOCATED _____ TWP. 32N. R. 24W. SEC. 33. COUNTY ANOKKA

BRIDGE NO. **02551**

