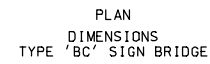
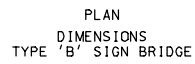


EFFECTIVE 04-01-1999

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NOTE: ABOVE MINIMUMS ARE RECOMMENDED DIMENSIONS.



* MINIMUM = 1825 mm WHEN ALUMINUM IS USED.

[illegible]

DATA SHEET
(SEE STANDARD M903.10 OR M903.60)

ALL DIMENSIONS SHOWN ARE IN mm UNLESS OTHERWISE NOTED.

BASIC ASSUMPTIONS: WIND VELOCITY = 112 km/h, WIND PRESSURE ON SIGN AREA = 1.293 kPa, ICE LOAD = 0.144 kPa.

STRUCTURAL ALUMINUM STRESS = 70 MPa.
STRUCTURAL CARBON STEEL (ASTM A709M GRADE 250) f_s = 150 MPa.

REINFORCING STEEL (GRADE 300) $f_s = 150$ MPa.

CLASS B CONCRETE $f_c = 8.27 \text{ MPa}$

ALLOWABLE SOIL PRESSURE = 0.13 MPa.

ALLOWABLE UNIT STRESSES DUE TO WIND LOAD OR WIND LOAD IN COMBINATION WITH OTHER FORCES ARE INCREASED 40%.

MINIMUM CLEARANCE: VERTICAL ROADWAY CLEARANCE = 5.35 m.
MINIMUM CLEARANCE TO REINFORCING SHALL BE 50 mm, UNLESS OTHERWISE SHOWN.

TRUSS SHALL BE ALL WELDED CONSTRUCTION. ALL WELDING TO BE CONTINUOUS UNLESS OTHERWISE SHOWN.

QUALIFICATION OF WELDING OPERATORS WILL BE REQUIRED.

ALUMINUM WELDING AND WELDER QUALIFICATION SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT EDITION OF A.W.S. D1-2 STRUCTURAL WELDING CODE - ALUMINUM, EXCEPT AS AMENDED BY SECTION 903 OF THE MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

ALL ALUMINUM FILLET WELDS SHALL BE 5 mm UNLESS OTHERWISE SHOWN.

COATING: ALL COLUMNS SHALL BE GALVANIZED AS PER AASHTO M 111. ALL STRUCTURAL STEEL (EXCEPT THE COLUMNS) SHALL BE CLEANED AND COATED WITH SYSTEM G IN ACCORDANCE WITH STANDARD SPECIFICATIONS, SECTIONS 712.12 AND 903.3.4. COLOR OF THE FINISHED COAT SHALL BE GRAY.

PAYMENT FOR GALVANIZING, CLEANING AND COATING SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SIGN TRUSS. ALL THE STRUCTURAL STEEL MAY BE GALVANIZED IN LIEU OF COATING PORTIONS OF THE STEEL MAY BE GALVANIZED WITH THE APPROVAL OF THE ENGINEER.

PERMITS MUST BE OBTAINED FOR ALL TRUCK LOADS OVER LEGAL LENGTH.