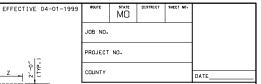


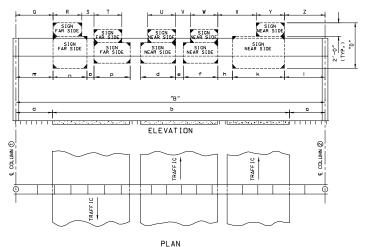
SIGN FAR SIDE

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SIGN FAR SIDE





ELEVATION TRAFF IC PLAN

SIGN NEAR SIDE

"B"

SIGN NEAR SIDE

DIMENSIONS TYPE 'B' SIGN BRIDGE

DIMENSIONS TYPE 'BC' SIGN BRIDGE

NOTE: ABOVE MINIMUMS ARE RECOMMENDED DIMENSIONS.

* MINIMUM = 6'-0" WHEN ALUMINUM IS USED.

SIGN BRIDGE DIMENSIONS																														
			TRUSS	DESCR	RIPTION			RDADWAY			SIGN SPACING																	JMN DATA		
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	SIGN BRIDGE DIMENSIONS													1																

	SIGN BRIDGE DIMENSIONS																							
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OVERHEAD SIGN TRUSSES STRUCTURAL STEEL OR ALUMINUM

DATA SHEET (SEE STANDARD 903.10 OR 903.60)

GENERAL NOTES

DESIGN SPECIFICATIONS: AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS. LUMINAIRES AND TRAFFIC SIGNALS — 1985 AND LATEST INTERIM.

SIGN NEAR SIDE

BASIC ASSUMPTIONS: WIND VELOCITY = 70 mph. WIND PRESSURE ON SIGN AREA = 27 psf. ICE LOAD = 3 psf.

STRUCTURAL ALUMINUM STRESS = 10.000 psi.

STRUCTURAL CARBON STEEL (ASTM A709 GRADE 36) fs = 20.000 ps1.

REINFORCING STEEL (GRADE 40) fs= 20,000 psi.

CLASS B CONCRETE fc = 1,200 psi.

ALLOWABLE SOIL PRESSURE = 2.750 psf.

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

MINIMUM CLEARANCE: VERTICAL ROADWAY CLEARANCE = 17'-6".

MINIMUM CLEARANCE TO REINFORCING SHALL BE 2", UNLESS DTHERWISE SHOWN.

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

QUALIFICATION OF WELDING OPERATORS WILL BE REQUIRED.

STRUCTURAL STEEL WELDING AND WELDER QUALIFICATION SHALL BE PERFORMED IN ACCORDANCE WITH THE A.W.S. DI.2 BRIDGE WELDING CODE AS AMENDED BY THE MISSOURI HIGHMAY AND TRANSPORTATION COMMISSION STRADDARD SPECIFICATIONS AND SPECIAL PROVISIONS ON STRUCTURAL STEEL CONSTRUCTION.

ALUMINUM WELDING AND WELDER QUALIFICATION SHALL BE PERFORMED IN ACCORDANCE WITH HE CLARENT EDITION OF A CASE AND A CASE OF THE MISSION HIGHWAY CONSTRUCTION SO OF THE MISSION HIGHWAY CONSTRUCTION SO OF THE MISSION HIGHWAY CONSTRUCTION FOR HIGHWAY CONSTRUCTION.

ALL ALUMINUM FILLET WELDS SHALL BE $\frac{3}{16}^{n}$ UNLESS OTHERWISE SHOWN.

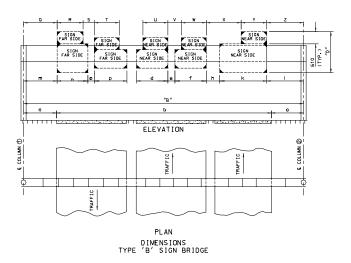
COATING: ALL COLUMNS SHALL BE GALVANIZED AS PER AASHTO M 111. ALL STRUCTURAL STEEL LEXCEPT THE COLUMNS) SHALL BE CLEAMED AND COATED WITH SYSTEM G IN ACCORDANCE WITH STANDARD SPECIFICATIONS, 921.212 AND 903.3.4. COLOR OF THE FINISHED COAT TOWN 712.12 AND 903.3.4.

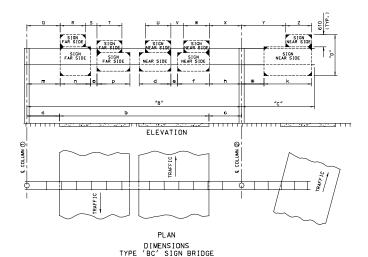
PAYMENT FOR GALVANIZING, CLEANING AND COATING SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SION TRUSS. ALL THE STRUCTURAL STEEL MAY BE GALVANIZED IN LIEU OF COATING PORTIONS OF THE STEEL MAY BE GALVANIZED WITH THE APPROVAL OF THE ENSIRE.

PERMITS MUST BE OBTAINED FOR ALL TRUCK LOADS OVER LEGAL

MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION







NOTE: ABOVE MINIMUMS ARE RECOMMENDED DIMENSIONS.

* MINIMUM = 1825 mm WHEN ALUMINUM IS USED.

	SIGN BRIDGE DIMEN TRUSS DESCRIPTION ROADWAY SIGN SPACING															NSIC	INS													
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SIGN NO.	STATION				CH	CHORD		DESCRIPTION		_ "p"		NEAR SIDE										FAR	R SIDE			COLUMN 1		COLUMN 2		CONCRETE FOOTINGS
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OVERHEAD SIGN TRUSSES STRUCTURAL STEEL OR ALUMINUM

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

GENERAL NOTES

ALL DIMENSIONS SHOWN ARE IN mm UNLESS OTHERWISE NOTED.

DESIGN SPECIFICATIONS: AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS - 1985 AND LATEST INTERIN.

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

STRUCTURAL ALUMINUM STRESS = 70 MPg.

STRUCTURAL CARBON STEEL (ASTM A709M GRADE 250) fs = 150 MPq. REINFORCING STEEL (GRADE 300) fs= 150 MPq.

CLASS B CONCRETE fc = 8.27 MPa.

ALLOWABLE SOIL PRESSURE = $0.13~\mathrm{MPa}$.

ALLOWABLE UNIT STRESSES DUE TO WIND LOAD OR WIND LOAD IN COMBINATION WITH OTHER PORCES ARE INCREASE 070.

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.

STRUCTURAL STEEL WELDING AND WELDER QUALIFICATION SHALL BE PERFORMED IN ACCORDANCE WITH THE A.W.S. O1.2 BRIDGE WELDING CODE AS AMENDED BY THE MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION STRADGARD SPECIFICATIONS AND S

LUMINUM WELDING AND WELDER QUALIFICATION SHALL BE FERFORMED IN ACCORDANCE WITH THE CURRENT EDITION OF I.W.S. D1.2 STRUCTURAL WELDING CODE - ALUMINUM. EXCEP IS AMENDED BY SECTION 903 OF THE MISSOURI HIGHWAY AND RANSPORTATION COMMISSION STANDARD SPECIFICATIONS FOR

ALL ALUMINUM FILLET WELDS SHALL BE 5 mm UNLESS OTHERWISE

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.

PAYMENT FOR GALVANIZING, CLEANING AND COATING SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SION TRUSS. ALL THE STRUCTURAL STEEL WAY 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