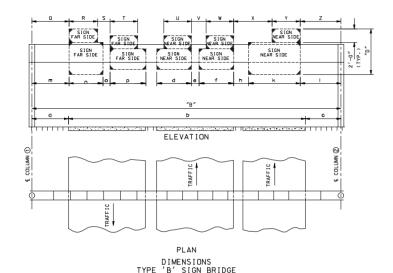
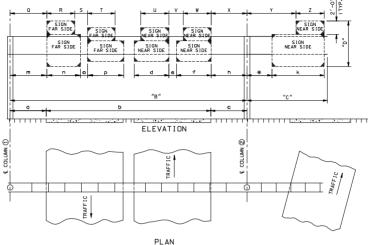
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION







NOTE: ABOVE MINIMUMS ARE RECOMMENDED DIMENSIONS.

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

SIGN BRIDGE DIMENSIONS																														
	STATION NUMBER	TRUSS DESCRIPTION					ROADWA				SIGN SPACING												COLUMN DATA							
SIGN NO.		_	"B"	"c"	CHORD		DESCRIPTION		″p″		NEAR SIDE FAR								FAR	R SIDE				CDLUMN 1 COLU			MN 2 CONCRETE			
		Туре			ALUM.	STEEL	a	ь	С		d	H+.	е	f	н+.	h	k	н+.	- 1	m	n	H+.	٥	P	н+.	Н	TYPE	Н	TYPE	CONCRETE FOOTINGS (CU. YD.)

	SIGN BRIDGE DIMENSIONS																						
			TRUS	S DESCR	RIPTION		RDADWAY				SIGN SPACING												
SIGN	STATION NUMBER		"B "		CHORD		DESCRIPTION			"D"	NEAR SIDE								FAR SIDE				
NO.		Туре		"c"	ALUM.	STEEL	a	b	С		U	٧	W	х	Υ	Z		0	R	S	Т		

DVERHEAD SIGN TRUSSES STRUCTURAL STEEL OR ALUMINUM

DATA SHEET (SEE STANDARD 903.10 OR 903.60)

GENERAL NOTES

DIMENSIONS

TYPE 'BC' SIGN BRIDGE

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

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 ps.

REINFORCING STEEL (GRADE 40) fs= 20.000 ps1.

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 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. D1.2 BRIDGE WELDING CODE AS AMENDED BY THE MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION STRUCTURAL STEEL CONSTRUCTION.

ALLMINUM MEDING AND WELDER DUAL FIGATION SYALL BE PERFORMED IN ACCROBANCE STHITH THE CARRENT EDITION OF A-W.S. DI.2 STRUCTURAL WELDING CODE — ALUMINUM EXCEPT AS AMENDED BY SECTION 903 OF THE MISSOURI HIGHMAY TOANSPORTATION COMMISSION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

ALL ALUMINUM FILLET WELDS SHALL BE $\ensuremath{\frac{1}{6}}\ensuremath{^{\prime\prime}}$ UNLESS OTHERWISE SHOWN.

CDATING: ALL COLUMNS SHALL BE GALVANIZED AS PER AASHTO M 111. ALL STRUCTURAL STEEL LEXCEPT THE COLUMNS SHALL BE CLEANED AND COATED WITH SYSTEM OI IN ACCORDANCE WITH STAMDARD 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 DE 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.