DISCLAMIER
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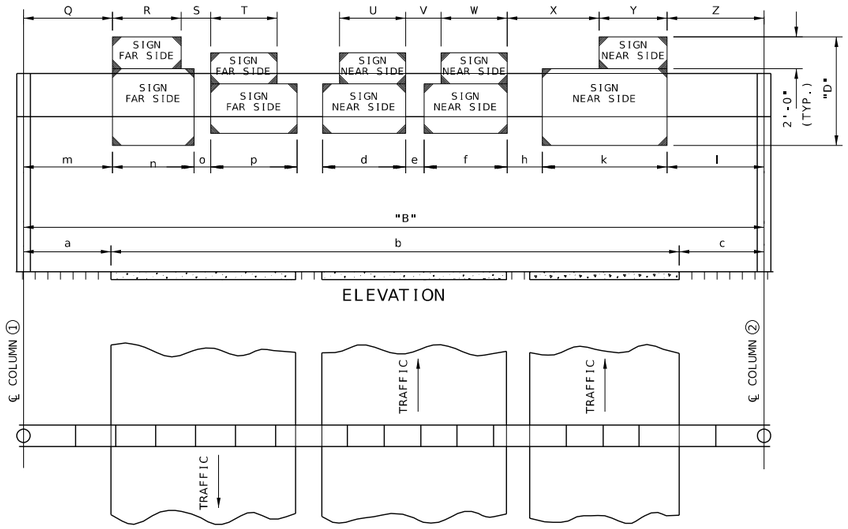
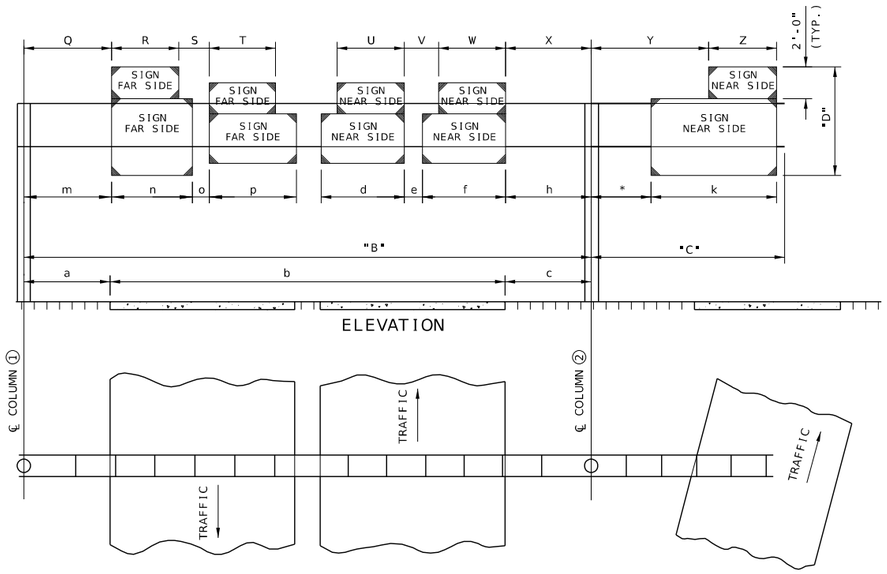
EFFECTIVE: 04-01-1999



PLAN

DIMENSIONS
TYPE 'B' SIGN BRIDGE



PLAN

DIMENSIONS
TYPE 'BC' SIGN BRIDGE

NOTE: ABOVE MINIMUMS ARE RECOMMENDED DIMENSIONS.

5 ○ X 4
5 ○ X 4
4 ○ X 4

1 REVISED

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

SIGN BRIDGE DIMENSIONS

SIGN NO.	STATION NUMBER	TRUSS DESCRIPTION Type	"B"	"C"	CHORD ALUM.	CHORD STEEL	ROADWAY DESCRIPTION a	b	c	"D"	SIGN SPACING NEAR SIDE d	Ht.	e	f	Ht.	h	k	Ht.	l	FAR SIDE m	n	Ht.	o	p	Ht.	COLUMN DATA COLUMN 1 H	TYPE	COLUMN 2 H	TYPE	CONCRETE FOOTINGS (CU. YD.)
2	4+22.90	III	111.42'		X		17.62'	83.52'	10.26'	11'	8.00'	7.00'	2.00'	12.00'	10.00'	0.48'	15.00'	11.00'	14.44'	9.27'	14.00'	9.00'	2.03'	18.00'	10.00'	19.917'	III	18.25	III	30.4
7	21+44.88	III	112.25'		X		13.70'	79.875'	18.653'	12'	8.00'	7.00'	1.225'	15.00'	10.00'	11.733'	13.00'	11.00'	18.658'	13.70'	14.00'	12.00'	1.25'	8.00'	7.00'	18.583'	III	21.833'	III	31.1
24	45+78.24	II	53.25'		X		4.792'	39.00'	9.433'	13'	8.00'	7.00'	1.00'	15.00'	12.00'	1.00'	14.00'	13.00'	9.433'							17.833'	II	17.833'	II	28.1

SIGN BRIDGE DIMENSIONS

SIGN NO.	STATION NUMBER	TRUSS DESCRIPTION Type	"B"	"C"	CHORD ALUM.	CHORD STEEL	ROADWAY DESCRIPTION a	b	c	"D"	SIGN SPACING NEAR SIDE U	V	W	X	Y	Z		FAR SIDE Q	R	S	T

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.

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 psi.

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 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 STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS ON STRUCTURAL STEEL CONSTRUCTION.

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 3/16" 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.

SIGNING PLAN
SHEETS
SHEET 40 OF 41

D-33

STATE OF MISSOURI
RILEY J. HOFFMAN
PE-2022042958
PROFESSIONAL ENGINEER

Riley Hoffman
11/05/2025 2:33:01 PM
Riley J. Hoffman
MO PE-2022042958

DATE PREPARED 11/5/2025
ROUTE 67 | STATE MO
DISTRICT SL | SHEET NO. 268
COUNTY ST. LOUIS
JOB NO. J6S3557
CONTRACT ID. .
PROJECT NO. .
BRIDGE NO. .

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

HR GREEN, INC.
520 MARYVILLE CENTRE DRIVE, SUITE 100
ST. LOUIS, MISSOURI 63141
PHONE: (636) 519.0990
CORPORATE LICENSE #2002006608

HRGreen