

STEEL BEAM AND GIRDER BRIDGES

DATE 8-17-93

TYPE OF BRIDGE		Composite Steel Beam Cont.		NO. OF SPANS	3	ENCASED OR GUNITED		DATE BUILT	5493
APPROX. SAFE LOAD CAPACITY OF STRUCTURE		HS 20-44 Alt. Military		OF FLOOR SYSTEM		4601866			
CLEAR SPAN	49.96'; 62.61'; 50.2'	LENGTH OUT TO OUT OF FLOOR	175.13'	WIDTH BETWEEN CURBS OR FELLOE GUARDS	40'-0"	WIDTH OUT TO OUT OF SUPERSTRUCTURE	40.0'	WIDTH OF SIDEWALKS	-
HEIGHT OF FLOOR ABOVE BRIDGE SEAT		3.66'		PROVISION FOR EXPANSION		Elastomeric Bearing Pads			

TYPE AND SIZE OF RAILING OR HUB GUARD	DBR-w/Tubular Backup & Type 2 Posts	TYPE AND SIZE OF CURB OR FELLOE GUARD	
DESCRIPTION OF FLOOR DRAINAGE	Over-sides		

ALIGNMENT AND SKEW OF STRUCTURE	Tan. 45° RF	APPROACH SLABS	AS-1-81	LENGTH	25'
STREAM		HEIGHT FROM GRADE TO STREAM BED		HEIGHT FROM GRADE TO HIGH WATER	HW 25 = 5.37'

CHANNEL CHARACTERISTICS BETWEEN BANKS	APPROX. WIDTH	CHANNEL DEPTH	NATURE OF BOTTOM	ALIGNMENT OF STREAM ABOVE AND BELOW STRUCTURE	SKEW OF FLOOD FLOW
				HW 100 = 2.69'	

BEAM SPANS

LENGTH C. TO C. OF END BEARINGS	LENGTH OVER ALL	SPACING OF BEAMS	SHAPE AND SIZE OF INSIDE BEAMS	STD. DRAWING NO.
168'-9 1/4"	170'-9 1/4"	7'-0"	4 Lines	30" WF 108 CVN
			2 Lines	30" WF 108 CVN

PLATE GIRDER

LENGTH C. TO C. OF END PINS OR BEARINGS	LENGTH OVER ALL	HEIGHT BACK TO BACK OF ANGLES	WEB THICKNESS	FLANGE SECTION AT CENTER	TOP BOT. TOM	SIZE AND SPACING OF RIVETS IN BOTTOM FLANGE AT CENTER	STD. DRAWING NO.

INTERMEDIATE FLOOR BEAMS

END FLOOR BEAMS

NO. AND SPACING	
SECTION	
CON. REC. TIONS	NO. & SIZE RIVETS F.B. TO CONN. NO. & SIZE RIVETS CONN. TO GIRDER

FLOOR JOISTS

KIND	NO. LINES	SIZE	WIDTH OF FLANGE	THICKNESS OF WEB	SPACING
I. BEAMS	Intermediate	3 L's 3" x 3" x 5/16" Welded			
CHANNELS	End	3 L's 4" x 4" x 5/16" Welded			
WOOD		SIZE, TREATMENT, SPECIES			

DO JOISTS REST ON TOP OF FLOOR BEAMS?	ARE SHELF ANGLES USED?	HOW FRAMED TO FLOOR BEAMS?
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END JOISTS - LENGTH

SUPPORTS

FLOOR

REINFORCED CONCRETE SLAB	INCHES THICK	CONCRETE	INCHES THICK ON CORRUGATED ARCHES OR BUCKLE PLATES
WEARING SURFACE	TYPE	THICKNESS	PLANK

STRIP	SIZE, TREATMENT, SPECIES	HOW FASTENED TO JOISTS
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SUB-STRUCTURE

STD. DRAWING NO.

ABUTMENTS AND PIERS	MATERIAL	TYPE	HEIGHT FOOTER TO BRIDGE SEAT	WIDTH OF BRIDGE SEAT	LENGTH OF BRIDGE SEAT	FOUNDATIONS (PILING)	WINGS (LENGTHS, ANGLES, ETC.)
REAR	Concrete	Capped Pedestal	14.92'	2'-0"	56.27'	Spread footer on rock.	9'-11 5/8" @ 0°; 8'-5 5/8" @ 0°
FORWARD	"	"	12.33'	2'-0"	56.27'		9'-11 5/8" @ 0°; 8'-5 5/8" @ 0°
PIER 1	"	"	14.58'	2'-0"	52.5'		
PIER 2	"	"	13.93'	2'-0"	52.5'		

BRIDGE NO.	COUNTY	ROUTE NO.	S.H. NO.	SECTION	STRENGTH	ROADWAY	CLEARANCE	TYPE
03.64	LOGAN	117	05.86	3.29	H10 H12 H15 H20	15-18 19-22 23+	12- 12.14 14+ OPEN	A B G S T

3.64

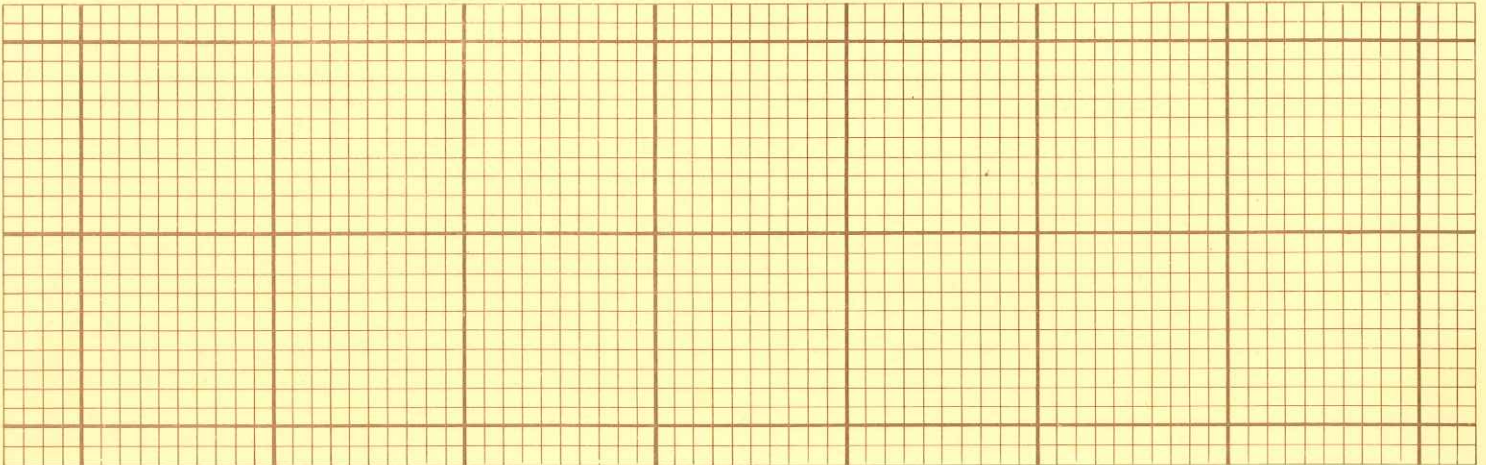
LOGAN

117

3.29

H10	H12	H15	H20	15-18	19-22	23 +	12-	12-14	14 +	OPEN	A	B	G	S	T
STRENGTH				ROADWAY			CLEARANCE				TYPE				

SKETCH OF STRUCTURE SHOWING DIMENSIONS



LOCATION SKETCH



REMARKS: Original - 302-52 (Manix Bros.)
 Rehab. 804-92
 Plan Ref. LOG-117-3.63 LO-117-36 (orig.)
 Sta. 192+22.38 to 193+91.15 Rehab
 A588 Steel w/8' painted on ends
 Steel weight = 125,666 lbs. rolled steel
 P.V.I. 194+00 elev. = 1026.4
 100' VC $G_1 = -.71\%$ $G_2 = -.14\%$
 Drainage Area = 49.09 Sq. Mi.
 $Q_{25} = 4004$ cfs
 $Q_{100} = 5505$ cfs

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