

STEEL BEAM AND GIRDER BRIDGES

DATE

OHIO-BR.
ACME 14799-B

TYPE OF BRIDGE		Cont. Steel Beam		NO. OF SPANS	3	ENCASED OR GUNITED		DATE BUILT	1965
APPROX. SAFE LOAD CAPACITY		CF 2000 (1957)		OF FLOOR SYSTEM					
CLEAR SPAN	2@ 37.10'	LENGTH OUT TO OUT OF FLOOR	132.90'	WIDTH BETWEEN CURBS OR FELLOW GUARDS	41'-0"	WIDTH OUT TO OUT OF SUPERSTRUCTURE	44'-4"	WIDTH OF SIDEWALKS	2@ 1'-0"
	1@ 46.51'							HEIGHT OF FLOOR ABOVE BRIDGE SEAT	3'-5 1/8"
TYPE AND SIZE OF RAILING OR HUB GUARD		BR-1		TYPE AND SIZE OF CURB OR FELLOW GUARD		10" high with 2" slope			
DESCRIPTION OF FLOOR DRAINAGE		Bulb L 5X3 1/2 X 13 with 2 scuppers each side							
ALIGNMENT AND SKEW OF STRUCTURE		Tangent 30° 37' LE		APPROACH SLABS		AS-1-54		LENGTH 25'	
STREAM		I.R.-70 over S.R. 285		HEIGHT FROM GRADE TO STREAM BED				HEIGHT FROM GRADE TO HIGH WATER	
CHANNEL CHARACTERISTICS		APPROX. WIDTH BETWEEN BANKS		CHANNEL DEPTH		NATURE OF BOTTOM		S.D.R. # 285	
CONDITION OF BANKS		Rip-Rap Slope Protection		ALIGNMENT OF STREAM ABOVE AND BELOW STRUCTURE					
SKEW OF NORMAL FLOW				SKEW OF FLOOD FLOW					

BEAM SPANS

STD. DRAWING NO.

LENGTH C. TO C. OF END BEARINGS	40'-50'-40'	SHAPE AND SIZE OF INSIDE BEAMS	4 Lines 30WF 132.
LENGTH OVER ALL	131.74'	SHAPE AND SIZE OF OUTSIDE BEAMS	2 Lines 30WF 132.
SPACING OF BEAMS	7'-11"		

PLATE GIRDER

STD. DRAWING NO.

LENGTH C. TO C. OF END PINS OR BEARINGS		FLANGE SECTION AT CENTER	TOP BOT-TOM
LENGTH OVER ALL		SIZE AND SPACING OF RIVETS IN BOTTOM FLANGE AT CENTER	
HEIGHT BACK TO BACK OF ANGLES			
WEB THICKNESS			

INTERMEDIATE FLOOR BEAMS

END FLOOR BEAMS

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

FLOOR JOISTS CROSS FRAMES

KIND	NO. LINES	SIZE	WIDTH OF FLANGE	THICKNESS OF WEB	SPACING
I BEAMS	Intermediate	3 L's 3X3X 5/16 Welded			
CHANNELS	End	5 L's 4X4X 5/16 Welded			
WOOD		SIZE, TREAT-MENT, SPECIES			

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

END JOISTS - LENGTH

SUPPORTS

REINFORCED CONCRETE SLAB	8 3/4" (incl 1" M.W.S.)	INCHES THICK	CONCRETE	INCHES THICK ON CORRUGATED ARCHES OR BUCKLE PLATES
WEARING SURFACE	Mono Conc.	THICKNESS 3 1/4" + 1 3/4" SDC	PLANK	SIZE, TREAT-MENT, SPECIES
STRIP	SIZE, TREAT-MENT, SPECIES	+ 3" AC (12)	HOW FASTENED TO JOISTS	

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	Gravity	5.93 RT	2'-0"	49'-0"	---	11'-7 3/4" @ 0°; 8'-4 1/2" @ 0°
FORWARD	"	"	5.93 RT	"	"	---	8'-4 1/2" @ 0°; 11'-7 3/4" @ 0°
PIER #1	"	Pedestal (4cd)	18.92 RT	3'-0"	49'-0"	---	
PIER #2	"	"	18.92 RT	"	"	---	

= GUE-285-0811 = GUE-40-1657

2" open JT in Pier Cap betw Cols 2 & 3

3001717

GUE-070R-1656 R

BRIDGE NO.	COUNTY	ROUTE NO.	S. H. NO.	SECTION	STRENGTH	ROADWAY	CLEARANCE	TYPE
GUE-70-1656 R	Guernsey	70			M10 M12 M15 M20	15-16 19-22 23	12-14 14 OPEN	A B G S T
								13