

STEEL BEAM AND GIRDER BRIDGES

DATE 9-18-67

COMPOSITE

TYPE OF BRIDGE **Cont. Steel Beam** NO. OF SPANS **5** ENCASED OR GUNITED **NO** DATE BUILT **1963 REHAB 2000**

APPROX. SAFE LOAD CAPACITY OF STRUCTURE **GF 2000 (57) 115-20+111** OF FLOOR SYSTEM

CLEAR SPAN, **2 @ 43.5'** LENGTH OUT TO OUT OF FLOOR, **267.00'** WIDTH BETWEEN CURBS OR FELLOW GUARDS, **50'-0" 40** WIDTH OUT TO OUT OF SUPERSTRUCTURE, **36'-10 7/8'** WIDTH OF SIDEWALKS, **2 @ 2'-7"** HEIGHT OF FLOOR ABOVE BRIDGE SEAT, **4'-3 3/4"** PROVISION FOR EXPANSION: ROLLER NEST ROCKERS SLIDING

TYPE AND SIZE OF RAILING OR HUB GUARD **AS-1-57 Type "A" rev. 42' cont. P.S.B. 12-12-60** TYPE AND SIZE OF CURB OR FELLOW GUARD **10" high with 2" slope.**

DESCRIPTION OF FLOOR DRAINAGE **Bulb 1 5x3/4x13 with 4 steel scuppers each side.**

ALIGNMENT AND SKEW OF STRUCTURE **Tangent 2°-42' R.F. 431** APPROACH SLABS **AS-1-54 AS-1-81M** LENGTH **25'**

STREAM I.R. 77 over B. & O. R.R. **5 CR 411** HEIGHT FROM GRADE TO STREAM BED **---** HEIGHT FROM GRADE TO HIGH WATER **---**

CHANNEL CHARACTERISTICS: APPROX. WIDTH BETWEEN BANKS **CSX** CHANNEL DEPTH **---** NATURE OF BOTTOM **---**

CONDITION OF BANKS **---** ALIGNMENT OF STREAM ABOVE AND BELOW STRUCTURE **---**

SKEW OF NORMAL FLOW **---** SKEW OF FLOOD FLOW **---**

BEAM SPANS

STD. DRAWING NO. **CSB-2-56 2-2-59.**

LENGTH C. TO C. OF END BEARINGS	46'-3 05/25'-46'	SHAPE AND SIZE OF INSIDE BEAMS	48-33 WF 141
LENGTH OVER ALL	266.0	SHAPE AND SIZE OF OUTSIDE BEAMS	2-33 WF 141
SPACING OF BEAMS	7'-6"		

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

CON. NEC. TIONS	NO. & SIZE RIVETS F.B. TO CONN.	NO. & SIZE RIVETS CONN. TO GIRDER
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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	3 L'S 4X4X 5/16 Welded.			
WOOD		SIZE, TREATMENT, 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" (1 incl. 1" M.W.S.)** INCHES THICK **CONCRETE** INCHES THICK ON CORRUGATED ARCHES OR BUCKLE PLATES

WEARING SURFACE TYPE **Mono. Conc.** THICKNESS **1" (2000)** PLANK SIZE, TREATMENT, SPECIES

STRUT SIZE, TREATMENT, SPECIES HOW FASTENED TO JOISTS

SUB-STRUCTURE

STD. DRAWING NO.

ABUTMENTS AND PIERS	MATERIAL	INTEGRITY	HEIGHT FOOTER TO BRIDGE SEAT	WIDTH OF BRIDGE SEAT	LENGTH OF BRIDGE SEAT	FOUNDATIONS (PILING)	WINGS (LENGTHS, ANGLES ETC.)
REAR	Concrete	Gravity	4.28'	2'-0"	33'-0 1/2"	9 12" CIP	6'-6" @ 0°; 6'-6" @ 0°
FORWARD	"	INTEGRAL	4.38 RT. 4.39 LT.	"	"	9 12" CIP	6'-6" @ 0°; 6'-6" @ 0°
PIER #1	"	Pedestal (3/4 Co)	24.93	3'-0"	"	13-12" 3/8 CIP X 75'	
PIER #2	"	"	28.36	"	"	16-12" 3/8 CIP X 75'	
Pier #3	"	"	28.05 RT. 28.06 LT.	"	"	13-12" 3/8 CIP X 75'	
Pier #4	"	"	25.42 RT. 25.43 LT.	"	"	13-12" 3/8 CIP X 75'	

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GUE-077R-0092R

BRIDGE NO.	COUNTY	ROUTE NO.	S. H. NO.	SECTION	STRENGTH	ROADWAY	CLEARANCE	TYPE
Northbound GUE-77-0900E	Guernsey	77			H10 H12 H15 H20	18-18 19-22 23 +	12-12-14 14 + OPEN	A B G S T