STATE OF OHIO - DEPT. OF HIGHWAYS
BUREAU OF BRIDGES

STEEL BEAM AND GIRDER BRIDGES

DATE _____ OHIO-BR. ACME 14799-8

TYPE OF BRIDGE: Cont. Steel Beam | NO. OF SPANS: 3 | ENCASED OR GUNITED | DATE BUILT: 1963

APPROX. SAFE LOAD CAPACITY OF STRUCTURE: CF-2000 (57) | OF FLOOR SYSTEM

CLEAR SPAN	LENGTH OUT TO OUT OF FLOOR	WIDTH BETWEEN CURBS OR FELLOE GUARDS	WIDTH OUT TO OUT OF SUPERSTRUCTURE	WIDTH OF SIDEWALKS	HEIGHT OF FLOOR ABOVE BRIDGE SEAT	PROVISION FOR EXPANSION: ROLLER NEST / ROCKERS / SLIDING
2@41.72', 1@52.76'	145.54'	~~27'-8"~~ 42'	45'-2"	~~2@1'-0"~~ REMOVED	3'-10 3/8"	SLIDING

TYPE AND SIZE OF RAILING OR HUB GUARD: ~~AR 1-57 Type "A" rev 12-1-60~~ CONC FACADE | TYPE AND SIZE OF CURB OR FELLOE GUARD: ~~10" high with 2" slope~~

DESCRIPTION OF FLOOR DRAINAGE: ~~Bolb L 5x3½x13 with 2 steel scuppers each side~~ NONE

ALIGNMENT AND SKEW OF STRUCTURE: Tan 10° L.F. | APPROACH SLABS: AS-1-59 AS-1-81 M | LENGTH: 25'

STREAM: Leatherwood Creek | HEIGHT FROM GRADE TO STREAM BED: 21.5'± & Gr. 802.61 M.S.L. | HEIGHT FROM GRADE TO HIGH WATER: 5.11 (50 yr)

CHANNEL CHARACTERISTICS | APPROX. WIDTH BETWEEN BANKS: 145' | CHANNEL DEPTH: 15' | NATURE OF BOTTOM: Shale & Mud

CONDITION OF BANKS: Dump Rock - Grassy | ALIGNMENT OF STREAM ABOVE AND BELOW STRUCTURE: Rt. curve above; Lt. curve below

SKEW OF NORMAL FLOW: 20° LF | SKEW OF FLOOD FLOW: Same as normal

BEAM SPANS

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

LENGTH C. TO C. OF END BEARINGS	44'-55'-44'
LENGTH OVER ALL	144.52'
SPACING OF BEAMS	7'-11"

SHAPE AND SIZE OF INSIDE BEAMS: 4 - 36 WF 135.

SHAPE AND SIZE OF OUTSIDE BEAMS: 2 - 36 WF 135.

PLATE GIRDER

STD. DRAWING NO.

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 / BOTTOM

SIZE AND SPACING OF RIVETS IN BOTTOM FLANGE AT CENTER

INTERMEDIATE FLOOR BEAMS

NO. AND SPACING

SECTION

CONNECTIONS: NO. & SIZE RIVETS F.B. TO CONN. / NO. & SIZE RIVETS CONN. TO GIRDER

END FLOOR BEAMS

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, TREATMENT, SPECIES			

DO JOISTS REST ON TOP OF FLOOR BEAMS? | HOW FRAMED TO FLOOR BEAMS?

ARE SHELF ANGLES USED? | END JOISTS - LENGTH | SUPPORTS

FLOOR

REINFORCED CONCRETE SLAB: 8 3/4" (1 ncls 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

~~STRIP~~ SIZE, TREATMENT, SPECIES | 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	2.50 RT. 2.75 LT	2'-0"	43'-2 3/8"	11-14" R/C CIP X 40'	7'-0 5/8" @ 0° 6'-6 1/4" @ 0°
FORWARD	"	"	2.75 RT & LT	"	"	11-14" R/C CIP X 40'	6'-6 1/4" @ 0° 7'-0 5/8" @ 0°
PIER #1	"	Capped Pile	2.54 RT. 2.50 LT.	2'-6"	"	10-14" R/C CIP X 65'	
PIER #2	"	"	2.5 RT 2.5 LT.	"	"	10-14" R/C CIP X 65'	
		"					

3003035
GUE-077R-0926 R

BRIDGE NO.	COUNTY	ROUTE NO.	S. H. NO.	SECTION	STRENGTH: H10 / H12 / H15 / H20	ROADWAY: 15-18 / 19-22 / 23+	CLEARANCE: 12- / 12-14 / 14+ / OPEN	TYPE: A / B / G / S / T
North Bound. GUE-77-0926R	Guernsey	77			X	X	X	B 15