LO[redacted] 3-0000 STATE OF OHIO - DEPT. OF HIGHWAYS BUREAU OF BRIDGES 0002-SUM-72

STEEL BEAM AND GIRDER BRIDGES

DATE 3-14-72 [redacted]-BR. CMS 4799-8

TYPE OF BRIDGE	Steel Beam, Simple	NO. OF SPANS 1	ENCASED OR GUNITED
DATE BUILT	1970	APPROX. SAFE LOAD CAPACITY - OF STRUCTURE	HS-20-44
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
25'-8 1/8"	27'-2 1/8"	35'-10" Gd. Rail	36'-0"	None	1'-8 1/2"	

TYPE AND SIZE OF RAILING OR HUB GUARD: Deep beam rail on 6" WF Post - 6" x 3 1/2" TYPE AND SIZE OF CURB OR FELLOE GUARD: hand rail - all Galv.

DESCRIPTION OF FLOOR DRAINAGE: over side

ALIGNMENT AND SKEW OF STRUCTURE: 30° L.C. 4°-59" R.F. APPROACH SLABS: None LENGTH

STREAM: Indian Lake Channel HEIGHT FROM GRADE TO STREAM BED HEIGHT FROM GRADE TO HIGH WATER

CHANNEL CHARACTERISTICS APPROX. WIDTH BETWEEN BANKS 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.

LENGTH C. TO C. OF END BEARINGS	26'-1 5/8"	SHAPE AND SIZE OF INSIDE BEAMS	9-Lines 16" WF 50 Galvanized.
LENGTH OVER ALL	27'-2 1/8"	SHAPE AND SIZE OF OUTSIDE BEAMS	2-Lines 16" WF 50 Galvanized.
SPACING OF BEAMS	3'-4" c/c		

PLATE GIRDER

STD. DRAWING NO.

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

	INTERMEDIATE FLOOR BEAMS	END FLOOR BEAMS
NO. AND SPACING		
SECTION		
CONNECTIONS: NO. & SIZE RIVETS F.B. TO CONN.		
CONNECTIONS: NO. & SIZE RIVETS CONN. TO GIRDER		

FLOOR ~~JOISTS~~ DIAPHRAGMS

KIND	NO. LINES	SIZE	WIDTH OF FLANGE	THICKNESS OF WEB	SPACING
I BEAMS	Intermediate	3 Lines-10" [20# Galv. & Bolted			
CHANNELS		See back for Framing plan			
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~~ 5 Ga. Corr. Sheet Steel, Galv. INCHES THICK CONCRETE INCHES THICK ON CORRUGATED ARCHES OR BUCKLE PLATES

WEARING SURFACE TYPE Bituminous THICKNESS 1" PLANK SIZE, TREATMENT, SPECIES

STRIP SIZE, TREATMENT, SPECIES HOW FASTENED TO ~~JOISTS~~ Galv. Steel Clamps to Beams.

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	Steel	B.P. & Sheet Pile.		1'-3"	42'-5 3/4"	9-12" BP-53-26.83'	15'-0" @ 45° :: 13'-0" @ 45°
FORWARD	Steel	" " " " "		1'-3"	42'-5 3/4"	9-12" BP-53-25.26'	13'-0" @ 45° :: 15'-0" @ 45°
PIER							
PIER							

BRIDGE NO.	COUNTY	ROUTE NO.	S. H. NO.	SECTION	STRENGTH	ROADWAY	CLEARANCE	TYPE
LOG-273-0002	LOGAN	273	00.03	00.00	H10 - H12 H15 H20	15-18 19-22 23 -	12 - 12-14 14 - OPEN	A B G S T: 2

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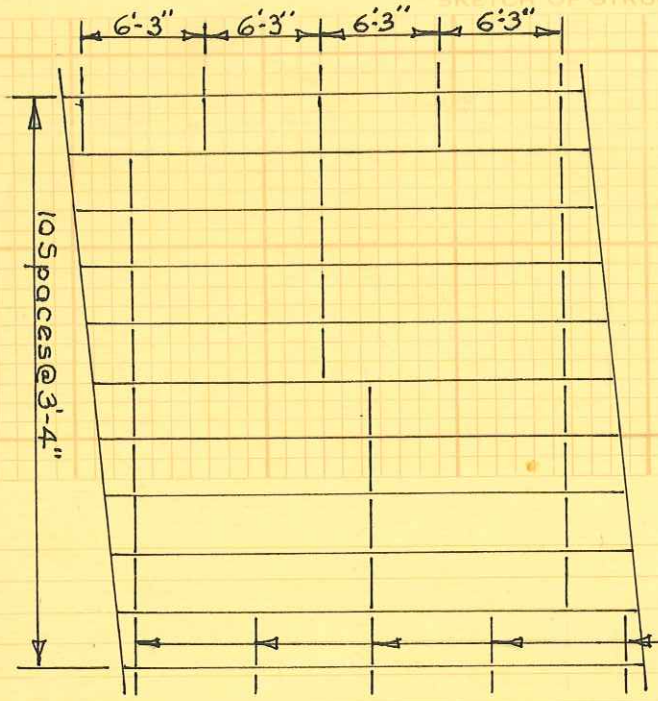
LOG-273-0002	Logan.	273		00.00	H10 H12 H15 H20	15-18 19-22 23 +	12- 13-14 14 + OPEN	A B G S T 2

SKETCH OF STRUCTURE SHOWING DIMENSIONS



Note: Rail brackets-18" WF 55-1'-6 5/16" long bolted with 6" WF 25# posts. Deep beam rail & 6"x3 1/2" ∠ handrail, all Galv.

Beam end finish 3"x3" ∠ with 8"x1/2" PL and 7Ga. Sheet Pile backwall transverse bolted to top PL-16" Is. Edge finish-4" bolt on End Dam.

Diaphragms 10" [20# bolted-Galv.
Outer 2 Beams-5 Lines. Inside beams-3 Lines.

LOCATION SKETCH

REMARKS: No Drainage Area boat channel only.

B. Piles, Sheet steel backwall, and Corrugated Strip steel floor by United Steel Fabricators.

Bituminous Surface: State of Ohio.

Contractor: Fritze, Rumer Cooke - Columbus, Ohio

Proj 621-70
Plan Ref. No- LOG-273-0000