OHIO-DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
BUREAU OF BRIDGES

CONCRETE AND STONE MASONRY BRIDGES

DATE JAN. 23, 1987

O-BR 140053

TYPE OF BRIDGE: PRESTRESSED CONCRETE I-BEAM
NO. OF SPANS: 3
DATE BUILT: 1986
APPROX. SAFE LOAD CAPACITY: HS-20-44 AND THE ALTERNATE MILITARY LOADING

CLEAR SPAN	LENGTH OUT TO OUT OF FLOOR	WIDTH BETWEEN CURBS	WIDTH OUT TO OUT	WIDTH OF SIDEWALKS	HEIGHT OF FLOOR ABOVE BRIDGE SEAT	ROADWAY CLEARANCE MAX. HEIGHT	ROADWAY CLEARANCE WIDTH	ROADWAY CLEARANCE MIN. HEIGHT	PROVISION FOR EXPANSION
2 @ 71.30' 1 @ 71.53'	227.21'	FROM 50.75' TO 52.63'	FROM 53.38' TO 55.26'	—	ABUTS - 5.07' PIERS - 4.81'±	OPEN	50.75'	OPEN	ELASTOMERIC COMPRESSION SEALS - BOTH ABUTMENTS CLEARANCE 2½"

TYPE OF RAILING: DEFLECTIVE CONCRETE PARAPETS, 50" RT, 32" LEFT
TYPE AND SIZE OF CURB: —
TYPE AND THICKNESS OF WEARING SURFACE: MONOLITHIC CONCRETE 1" ('87)
DESCRIPTION OF FLOOR DRAINAGE: OFF ENDS OF BRIDGE
ALIGNMENT AND SKEW OF STRUCTURE: TANGENT, 17°00'00" L.F.
APPROACH SLABS: AS-1-81 (T=15")
LENGTH: 25'
LIGHTING SYSTEM: 154+97 LEFT

STREAM: RACCOON CREEK
HEIGHT FROM GRADE TO STREAM BED: 30'
HEIGHT FROM GRADE TO HIGH WATER: 10'
CHANNEL CHARACTERISTICS — APPROX. WIDTH BETWEEN BANKS: 140'
CHANNEL DEPTH: 18'
NATURE OF BOTTOM: SAND & GRAVEL
CONDITION OF BANKS: CLEAN
ALIGNMENT OF STREAM ABOVE AND BELOW STRUCTURE: 17½° FWD. ABOVE, 17½° REAR BELOW
SKEW OF NORMAL FLOW: SAME
SKEW OF FLOOD FLOW: SAME

CONCRETE SLAB

STD. DRAWING NO.

THICKNESS OF SLAB: 8½"

CONCRETE BEAM

STD. DRAWING NO.

NO. OF BEAMS	SPACING OF BEAMS	WIDTH OF BEAMS	HEIGHT OF BEAM INCLUDING SLAB	THICKNESS OF SLAB
8	C@ 7'0"; LEFT VARIES FROM 7'0" TO 7'10¾"	24"	56½"	8½"

CONCRETE GIRDER

STD. DRAWING NO.

WIDTH OF GIRDER	DEPTH OF GIRDER AT CENTER	DEPTH OF GIRDER AT ENDS	FLOOR BEAMS SIZE	FLOOR BEAMS SPACING	THICKNESS OF FLOOR SLAB

ARCHES

STD. DRAWING NO.

MATERIAL: TYPE: SHAPE:
TYPE OF RAIL OR PARAPET:

CLEAR SPAN	RISE	CROWN THICKNESS	SPRING THICKNESS	FILLING MATERIAL	DEPTH OF FILL AT CROWN	HEIGHT OF PARAPET ABOVE GRADE

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	REINF. CONCRETE	SEMI-CAPPED PILE	3.92' TO 4.35'	2.00'	57.94'	18-CIP REINF. CONC. 12"	12'10" PARALLEL TO ℄ SR 79
FORWARD	" "	" " "	3.80' TO 3.23'	2.00'	55.49'	18-CIP REINF. CONC. 12"	12'11⅛" " " " " "
PIER	" "	CANTILEVER-SOLID	28.33' TO 28.77'	3.00'	53.12'	24-" " " "	
PIER	" "	" "	29.50' TO 29.83'	3.00	53.12'	24-" " " "	

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BRIDGE NO.	COUNTY	ROUTE NO.	S.H. NO.	SECTION	STRENGTH H10	STRENGTH H12	STRENGTH H15	STRENGTH H20	ROADWAY 15-18	ROADWAY 19-22	ROADWAY 23+	CLEARANCE 12—	CLEARANCE 12 14	CLEARANCE 14+	CLEARANCE OPEN	TYPE A	TYPE B	TYPE G	TYPE S	TYPE T
LIC-79-1346L	LICKING	79						■							■		21			