STATE OF OHIO · DEPT. OF HIGHWAYS
BUREAU OF BRIDGES

CONCRETE AND STONE MASONRY BRIDGES

DATE 9-2-66

OHIO-BR. No. 14602-B

TYPE OF BRIDGE: Prestressed Conc. Beam
NO. OF SPANS: 1
DATE BUILT: 1961
APPROX. SAFE LOAD CAPACITY: CF = 400 (57)
1100661

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 WIDTH MIN. HEIGHT	PROVISION FOR EXPANSION
67.5'	69'-10"	28'-0"	36'-7"	Lt. 3'-9" Rt. 2'-0"	3'-2 5/8"	Open	1" Neoprene masonry pad

TYPE OF RAILING: Ornamental Aluminum rail
TYPE AND SIZE OF CURB: 10" high with 3" slope
TYPE AND THICKNESS OF WEARING SURFACE: Asphaltic Conc. - ~~8"@ ctr. 1½"@ side~~ 2½" + 1" A.C.
DESCRIPTION OF FLOOR DRAINAGE: 7 Roadway Drains under Sidewalk (each side)
ALIGNMENT AND SKEW OF STRUCTURE: Tangent 0°
APPROACH SLABS: AS-1-54
LENGTH: 25'
LIGHTING SYSTEM:

STREAM: Little Darby Creek
HEIGHT FROM GRADE TO STREAM BED: 12.01' @ Gr. 1045.31
HEIGHT FROM GRADE TO HIGH WATER: 2.91 (50 yr.) 4.51 (Assumed 3.5 yr.)
CHANNEL CHARACTERISTICS: APPROX. WIDTH BETWEEN BANKS: 30'
CHANNEL DEPTH: 3'
NATURE OF BOTTOM:
CONDITION OF BANKS: Grassy
ALIGNMENT OF STREAM ABOVE AND BELOW STRUCTURE: 0° above & below
SKEW OF NORMAL FLOW: Same
SKEW OF FLOOD FLOW: Same

CONCRETE SLAB

STD. DRAWING NO.

THICKNESS OF SLAB:

ctr. to ctr. brg. 65'-9"

BOX CONCRETE BEAM

STD. DRAWING NO.

NO. OF BEAMS	SPACING OF BEAMS	WIDTH OF BEAMS	HEIGHT OF BEAM INCLUDING SLAB	THICKNESS OF SLAB
12 @ 71'-0" long	adjacent	3'-0" with 4½" sidewalls	2'-9" with 5" Top slab & 4½" Bott slab	None

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	Concrete	Cantilever	11.14'	1'-9"	36'-9"	30-12¾" CIP-27.9'	All four Wings
FORWARD	do	do	10.67'	do	do	30-12¾" CIP-31.9'	20'-10½" @ 0° & 6'-6" @ 90°
PIER							
PIER			width	dbut.	wall	1'-9"	
		Rear Br. Sta.	6+64.50 = 31.450				

BRIDGE NO.	COUNTY	ROUTE NO.	S.H. NO.	SECTION	STRENGTH	ROADWAY	CLEARANCE	TYPE
CHP-29-3145	Champaign	29	50.60		H10 — H12 H15 H20	15-18 19-22 23 +	13 — 13-14 14 + OPEN	A B 7 G S T

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								7

SKETCH OF STRUCTURE SHOWING DIMENSIONS

PROJ. 60-87
1" 404

LOCATION SKETCH

REMARKS:-

Profile Grade -0.66 %

Drainage Area =
7" wide appr. slab seat is on end of prestressed beams. No backwall.
Materials - Cement - Southwestern Portland
Aggregate - F&C - American Aggr. Corp.
Contractor - Nelson T. Bahan Urbana

Project Number 713-60
Plan Section 31.45
Plan number CHP-29-3145

Structure file number ~ 1100661

OHIO-BR.
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