

STEEL BEAM AND GIRDER BRIDGES

DATE

TYPE OF BRIDGE <i>Continuous Steel Beam</i>		NO. OF SPANS <i>3</i>	ENCASED OR GUNITED	DATE BUILT <i>19</i>
APPROX. SAFE LOAD CAPACITY OF STRUCTURE <i>CF-130</i>		OF FLOOR SYSTEM		
CLEAR SPAN <i>1 @ 77.0'</i> <i>1 @ 57.82'</i> <i>1 @ 57.83'</i>	LENGTH OUT TO OUT OF FLOOR <i>210'-6"</i>	WIDTH BETWEEN CURBS OR FELLOE GUARDS <i>28.0'</i>	WIDTH OUT TO OUT OF SUPERSTRUCTURE <i>43'-6"</i>	WIDTH OF SIDEWALKS <i>2 @ 5'-3"</i>
TYPE AND SIZE OF RAILING OR HUB GUARD <i>Top Rail 3" steel pipe middle and lower rail 2" steel pipes on 2-6" Ps x 8 1/2" steel posts</i>		TYPE AND SIZE OF CURB OR FELLOE GUARD <i>10" high with 3" slope</i>		
DESCRIPTION OF FLOOR DRAINAGE <i>Bulb L-5 x 3 1/2 x 13" gutter with steel scrapers each side</i>				
ALIGNMENT AND SKEW OF STRUCTURE <i>Tan 0°</i>		APPROACH SLABS <i>Special</i>	LENGTH <i>11'-6"</i>	
STREAM <i>Raccoon Creek</i>		HEIGHT FROM GRADE TO STREAM BED <i>21' ± #Gr 92.15</i>	HEIGHT FROM GRADE TO HIGH WATER <i>11'</i>	
CHANNEL CHARACTERISTICS BETWEEN BANKS <i>on the skew 210'</i>		CHANNEL DEPTH <i>20'</i>	NATURE OF BOTTOM <i>Sand & Gravel</i>	
CONDITION OF BANKS <i>Steep & Brushy</i>		ALIGNMENT OF STREAM ABOVE AND BELOW STRUCTURE <i>30° R. Above, 30° Fwd. Below</i>		
SKEW OF NORMAL FLOW <i>50° R. Above, 30° Fwd. below</i>		SKEW OF FLOOD FLOW <i>Same</i>		

BEAM SPANS

STD. DRAWING NO. *C.S.B-2-56*

LENGTH C. TO C. OF END BEARINGS <i>64'-80'-64'</i>	SHAPE AND SIZE OF INSIDE BEAMS <i>2 @ 36 WF 230</i>
LENGTH OVER ALL <i>209'-6"</i>	SHAPE AND SIZE OF OUTSIDE BEAMS <i>2 @ 36 WF 230</i>
SPACING OF BEAMS <i>9'-4"</i>	

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	SECTION
NO. & SIZE RIVETS F.B. TO CONN.	
NO. & SIZE RIVETS CONN. TO GIRDER	

FLOOR JOISTS *Cross Frames*

KIND	NO. LINES	SIZE	WIDTH OF FLANGE	THICKNESS OF WEB	SPAC
BEAMS	<i>Intermediate</i>	<i>3 Ls 3 x 3 x 5/16" Welded</i>			
CHANNELS	<i>End</i>	<i>5 Ls 4 x 4 x 5/16" Welded</i>			
WOOD		SIZE, TREATMENT, SPECIES			

DO JOISTS REST ON TOP OF FLOOR BEAMS?	HOW FRAMED TO FLOOR BEAMS?
RE SHELF ANGLES USED?	

END JOISTS - LENGTH

SUPPORTS

REINFORCED CONCRETE SLAB <i>8 3/4" (includes 1" conc. w.s.)</i>	INCHES THICK	CONCRETE	INCHES THICK ON CORRUGATED ARCHES OR B
WEARING SURFACE TYPE <i>Monolithic Conc.</i>	THICKNESS <i>1"</i>	PLANK	SIZE, TREATMENT, SPECIES
STRIP	SIZE, TREATMENT, SPECIES	HOW FASTENED TO JOISTS	

SUB-STRUCTURE

STD. DRAWING NO.

BUTMENTS NO. PIERS	MATERIAL	TYPE	HEIGHT FOOTER TO BRIDGE SEAT	WIDTH OF BRIDGE SEAT	LENGTH OF BRIDGE SEAT	FOUNDATIONS (PILING)	WINGS (LENGTHS, ANG
REAR	<i>Concrete</i>	<i>Gravity</i>	<i>9.43</i>	<i>5'-8 1/8"</i>	<i>42'-3"</i>		<i>10'-3" @ 27° : 17'-6" @ 25°</i>
FORWARD	<i>do</i>	<i>do</i>	<i>9.26</i>	<i>5'-8"</i>	<i>41'-8"</i>		<i>26'-9" @ 54° : 18'-6" ±</i>
PIER	<i>do</i>	<i>Pedestal (2)</i>	<i>20'-5 1/8"</i>	<i>3'-0"</i>	<i>34'-0"</i>	<i>16-17" R/CIP.</i>	
PIER	<i>do</i>	<i>do</i>	<i>do</i>	<i>3'-0"</i>	<i>34'-0"</i>	<i>16- do</i>	

Br. Sta. 11+03.33

BRIDGE NO.	COUNTY	ROUTE NO.	S. H. NO.	SECTION	STRENGTH	ROADWAY	CLEARANCE
<i>11C-16-20.26</i>	<i>Licking</i>	<i>16</i>		<i>Newark 7.48</i>	H10 H12 H15 H20	15-18 19-22 23	12-12-14 14 OPEN A

Rear Br. Sta. 9+98.08 = 20.26

Approach Pavements Rear & Fwd. 20'

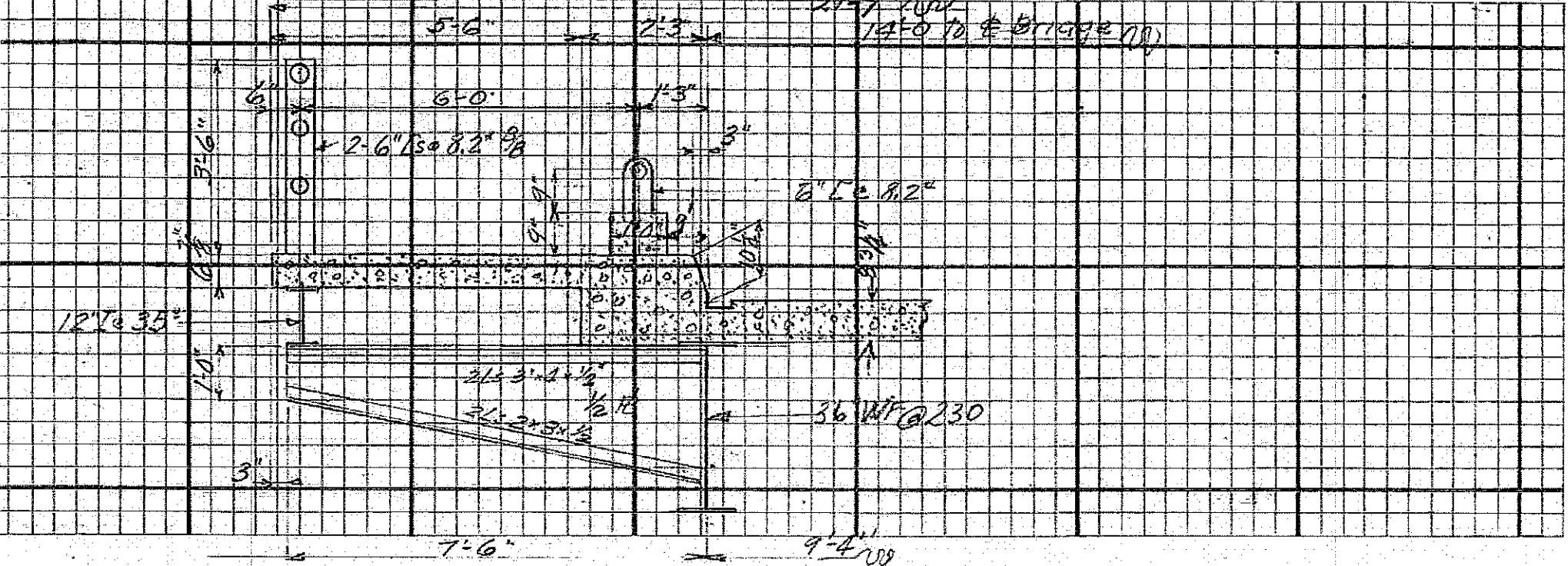
On old location

Built by Licking Co.

AVAILABLE DATA TAKEN
PLANS SOLD
ALL DATA CHECKED IN FIELD
SUBMITTED BY T.N. DATE

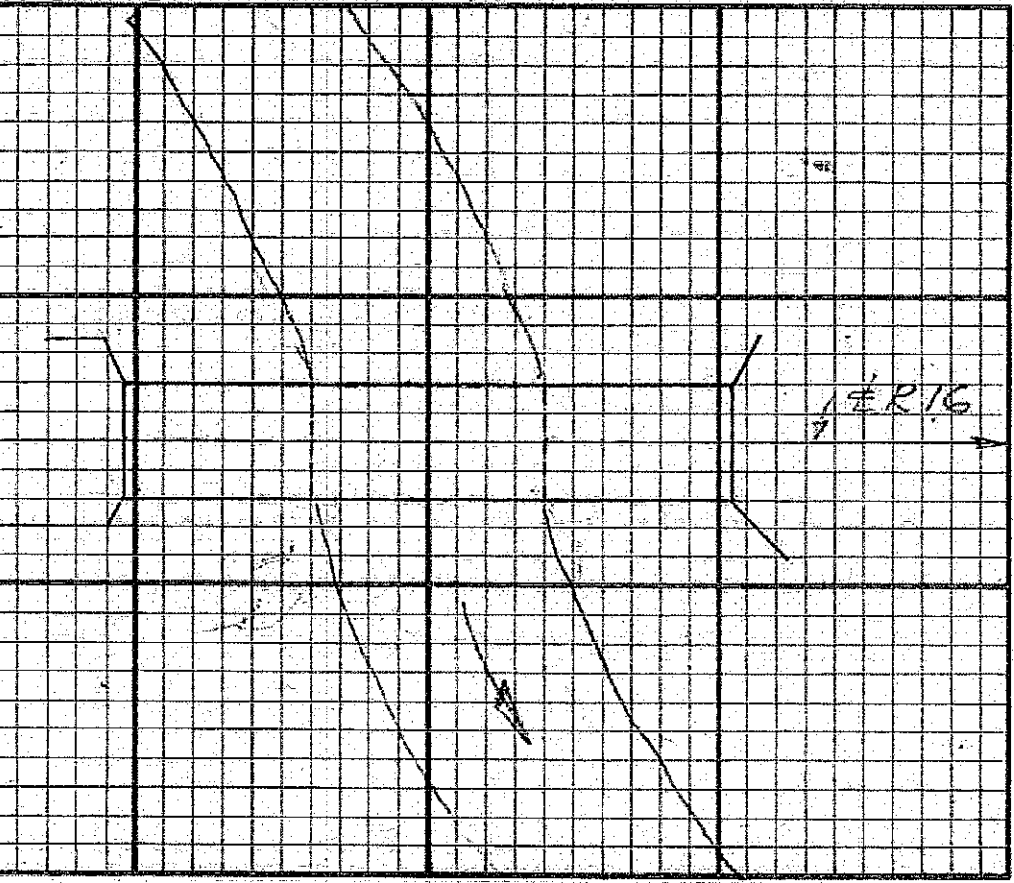
DGE NO.	COUNTY	ROUTE NO.	S. H. NO.	SECTION	H10- STRENGTH	H12- ROADWAY	H15- CLEARANCE	H20- TYPE	15-18 +	19-22 +	23 +	12- A	12-14 B	14- G	OPER S	Y
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SKETCH OF STRUCTURE SHOWING DIMENSIONS



SECTION - FLOOR
Scale 1/4" = 1'-0"

N SKETCH



REMARKS: Drainage Area =
Profile Grade = 0.007%
Paint Structural Steel 259220 Lbs.