

STATE OF OHIO - DEPT. OF HIGHWAYS				STEEL BEAM AND GIRDER BRIDGES				DATE				OHIO-BR. ACME 14799-1							
BUREAU OF BRIDGES																			
TYPE OF BRIDGE		Cont. Built-up Steel Beam		NO. OF SPANS		3		ENCASED OR GUNITED				DATE BUILT		1964					
APPROX. SAFE LOAD CAPACITY OF STRUCTURE				CF-2000 (57) AASHTO A17				OF FLOOR SYSTEM											
CLEAR SPAN F. REF.		LENGTH OUT TO OUT OF FLOOR		WIDTH BETWEEN CURBS OR FELLOW GUARDS		WIDTH OUT TO OUT OF SUPERSTRUCTURE		WIDTH OF SIDEWALKS		HEIGHT OF FLOOR ABOVE BRIDGE SEAT		PROVISION FOR EXPANSION		ROCKERS SLIDING					
1093.85' Ref.		304.33' Chord		27'-0"		30'-4"		Removed (9')		7'-7 1/2"		✓		✓					
TYPE AND SIZE OF RAILING OR HUB GUARD				BRK 4/2" CONC. RAIL (5-29-72)				TYPE AND SIZE OF CURB OR FELLOW GUARD				10" high with 2" slope. R. removed (9)							
DESCRIPTION OF FLOOR DRAINAGE				Built-up 4 steel scuppers Lt. (No) side															
ALIGNMENT AND SKEW OF STRUCTURE				8° L.C. 16°-17°-41" with Ref Chord				APPROACH SLABS				AS-1-84							
STREAM				Wills Creek & T.R. 435 35				HEIGHT FROM GRADE TO STREAM BED				See E.B. & W.B. Bridge.							
CHANNEL CHARACTERISTICS				APPROX. WIDTH BETWEEN BANKS 100'				CHANNEL DEPTH 15'				NATURE OF BOTTOM Gravel.							
CONDITION OF BANKS				Dump Rock & Slope Prot.				ALIGNMENT OF STREAM ABOVE AND BELOW STRUCTURE				Tan.-above; Rt. Curve-below							
SKEW OF NORMAL FLOW				20° R.F.				SKEW OF FLOOD FLOW				Same as normal.							
on Ref Chord				BEAM SPANS				STD. DRAWING NO.											
LENGTH C. TO C. OF END BEARINGS		96.13'-116.88'-88.43'		SHAPE AND SIZE OF INSIDE BEAMS		2 Lines Built up.		See Below.		93.5'-117.0'-93.5' 5/8" brg on P.									
LENGTH OVER ALL		303.29'		SHAPE AND SIZE OF OUTSIDE BEAMS															
SPACING OF BEAMS		8'-6 1/8" on skew R.																	
to				PLATE GIRDER				STD. DRAWING NO.											
LENGTH C. TO C. OF END PINS OR BEARINGS		96.13'-116.88'-88.43'		FLANGE SECTION AT CENTER		TOP BOT. 16" x 1 1/8" PL.													
LENGTH OVER ALL				SIZE AND SPACING OF RIVETS IN BOTTOM FLANGE AT CENTER		Welded.													
HEIGHT BACK TO BACK OF ANGLES																			
WEB THICKNESS		3/8 x 68"																	
NO. AND SPACING				INTERMEDIATE FLOOR BEAMS				END FLOOR BEAMS											
SECTION																			
CON. NEC. TIONS		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	SPACING														
I BEAMS	Intermediate	3 L's 3x3x5/16	Welded.																
CHANNELS	End.	5 L's 4x4x5/16	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											
REINFORCED CONCRETE SLAB				FLOOR 8 3/4" (incls 1" M.W.S)				INCHES THICK CONCRETE				INCHES THICK ON CORRUGATED ARCHES OR BUCKLE PLATES							
WEARING SURFACE				Type Mono Conc. 1/2" THICKNESS				X' + 2" (12)				PLANK SIZE, TREATMENT, SPECIES							
STRIP				SIZE, TREATMENT, SPECIES				HOW FASTENED TO JOISTS				3001202 GUE-070R-0943A							
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.)												
East	Concrete	Gravity	3.38 ft.	2'-0"	40'-2 1/4"	14-12 BP 53x80'	8'-0" @ 0°; 8'-0" @ 0°												
West	"	"	4.37 ft.	"	53'-0"	14-12 BP 53x55'	8'-0" @ 0°; 8'-0" @ 0°												
PIER #1	"	Solid Panel	20.53 ft.	3'-0"	29'-2 1/4"	20-12 BP 53x45'	Rt. Rr. Wing Joins Lt. Rr												
PIER #2	"	"	13.16 ft.	"	30'-5 3/4"	18-12 BP 53x45'	Wing of W.B. Br.												
BRIDGE NO.				COUNTY		ROUTE NO.		S. H. NO.		SECTION		STRENGTH		ROADWAY		CLEARANCE		TYPE	
Ramp A 06-10-0943				Guernsey								H10 H12 H14 H20		18-18 18-22 23 +		12-12 14 14 + OPEN		A B G S T	
												X		X		X		30	

SKETCH OF STRUCTURE SHOWING DIMENSIONS

PROT 725 (89) REMOVED 1/4" MONO. AND A.C. W.S. - PLACED 2" SDC OVERLAY,
REPLACED APPROACH SLABS. EXP INT'S REPLACED WITH STRIP SEALS - BWS
REPAIRED.

REPAIRED.
PROT 313 (12) NEW BRIDGE RAILS, EDGES AND SDC OVERLAY

REMARKS: Profile Grade = 250' V.C. Grades;
West - 0.68%; East + 4.2%; P.V.I. Sta. 34+50.
Fabricator -
Superelevation, 0.083 ^{ft}/ft.
Cement - Columbia
Sand, #3 & #4, Appr. Spring Constr. Co.,
Newcomerstown, O.
Built on Proj. 312-63, V.N. Holderman
1 Light Standard.
Avg. Str. Sp. 272, 200 lbs

[illegible]

SKETCH OF STRUCTURE SHOWING DIMENSIONS

SKETCH OF STRUCTURE SHOWING DIMENSIONS

PROJ 725(89) REMOVED AC AND 1/4" MONO. PLACED 2" SDC OVERLAY.
REPLACED EX. JNTS WITH STRIP SEALS. REPLACED RAILS WITH BR-1 (529-79)
SEALED DECK EDGES AND RAILS WITH EPOXY. REPAIRED BACKWALLS
PROJ 313(12) NEW BRIDGE RAILS, EDGES AND SDC OVERLAY.

LOCATION SKETCH

[illegible]

REMARKS: Profile Grade = 800' V. C. Grades:

Rear - 1.48%, Fwd. + 2.96%; P.V.I. Sta. 219+50.00

Paint Struct. Steel = 410,400 lbs.

Fabricator -

Superelevation, 0.081 Ft./Ft.

Cement, - Columbia

Sand, #3 & #4 Appr. Spring Constr. Co,
Newcomerstown, O

Dr. Area - 311 Sq. mi.

Built on Proj. 312-63, V.N. Holderman

2 Light Standards

PAINT STR. Steel ~~32,607~~ 32,607 SQ. FT.

PROJ 111(92) PAINTED COZEV

Plot 647 (93) P. 50T BEHINDS

TYPE OF BRIDGE	Cont. Built-up steel Beam	NO. OF SPANS	3	ENCASED OR GUNITED		DATE BUILT	1964
APPROX. SAFE LOAD CAPACITY OF STRUCTURE	CF-2000 (57)	APPROX. ALT. OF FLOOR SYSTEM					
CLEAR SPAN OF FLOOR	2090.48' 10112.88'	LENGTH OUT TO OUT OF FLOOR	304.60'	WIDTH BETWEEN CURBS OR FELLOE GUARDS	33'-6"	WIDTH OUT TO OUT OF SUPERSTRUCTURE	36'-10"
TYPE AND SIZE OF RAILING OR HUB GUARD	42" CONCRETE (5'29'72")	WIDTH OF SIDEWALKS	REMOVED	HEIGHT OF FLOOR ABOVE BRIDGE SEAT	8'-4 1/8"	PROVISION FOR EXPANSION	ROLLER NEST ROCKERS SLIDING
DESCRIPTION OF FLOOR DRAINAGE	Build 6" x 4" x 1/2" with 3 steel scuppers each side.	TYPE AND SIZE OF CURB OR FELLOE GUARD	10" high with 2" slope.				
ALIGNMENT AND SKEW OF STRUCTURE	Tangent 162°05'-44" R.F.	APPROACH SLABS	Specia)	LENGTH	25' REPAIRED (91)		
STREAM	Wills Creek	HEIGHT FROM GRADE TO STREAM BED	42.47'	HEIGHT FROM GRADE TO HIGH WATER	16.97' (50 yr.)		
CHANNEL CHARACTERISTICS	APPROX. WIDTH BETWEEN BANKS 100'	CHANNEL DEPTH	15'	NATURE OF BOTTOM	Gravel.		
CONDITION OF BANKS	Dump Rock. & Slope Prot.	ALIGNMENT OF STREAM ABOVE AND BELOW STRUCTURE	Tan.-above; Rt. curve, below				
SKEW OF NORMAL FLOW	20° R.F.	SKEW OF FLOOD FLOW	Same as normal				

BEAM SPANS

STD. DRAWING NO.

LENGTH C. TO C. OF END BEARINGS	93'-116'-93'	SHAPE AND SIZE OF INSIDE BEAMS	2 Lines Built-up	See Below
LENGTH OVER ALL	303.56'	SHAPE AND SIZE OF OUTSIDE BEAMS	2 Lines Built-up	
SPACING OF BEAMS	10'-0"			

PLATE GIRDER

STD. DRAWING NO.

LENGTH C. TO C. OF END PINS OR BEARINGS		FLANGE SECTION AT CENTER	16" X 1 3/16" PL
LENGTH OVER ALL		TOP BOT-TOM	"
HEIGHT BACK TO BACK OF ANGLES		SIZE AND SPACING OF RIVETS IN BOTTOM FLANGE AT CENTER	Welded.
WEB THICKNESS	3/8" X 74"		

INTERMEDIATE FLOOR BEAMS

END FLOOR BEAMS

SECTION

CON- NO. & SIZE RIVETS	
NEC- F.B. TO CONN.	
TIONS- NO. & SIZE RIVETS	
	CONN. TO GIRDER

FLOOR JOISTS CROSS FRAMES.

KIND	NO. LINES	SIZE	WIDTH OF FLANGE	THICKNESS OF WEB	SPACING
I BEAMS	Intermediate	3 L's 3X3X5/16 Welded.			
CHANNELS	End.	5 L's 4X4X5/16 Welded.			
WOOD		SIZE, TREAT- MENT, SPECIES			

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

ARE SHELF ANGLES USED?

END JOISTS - LENGTH

SUPPORTS

REINFORCED CONCRETE SLAB	9 1/4" (Incls 1" M.W.S.)	FLOOR		INCHES THICK	CONCRETE	INCHES THICK ON CORRUGATED ARCHES OR BUCKLE PLATES
WEARING SURFACE	Mono. Conc.	TYPE	1/2"	THICKNESS	4" X 2" (12)	PLANK
STRIP		SIZE, TREAT- MENT, 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	3.05 R.T. 2.88 L.T.	2'-0"	35'-10 1/2"	17-12" R/C 11" P X 95'	22'-3" @ 106° 05'-44", 22'-3" @ 73° 54'-16"
FORWARD	"	"	3.10 R.T. 2.85 L.T.	"	"	17-12" R/C 11" P X 105'	24'-9" @ 73° 54'-16", 24'-9" @ 106° 05'-44"
PIER #1	"	Solid Panel T.	3.10 R.T. 2.85 L.T.	3'-0"	34'-3"	18-12" R/C 11" P X 80'	
PIER #2	"	"	18.53 R.T. 18.18 L.T.	"	"	21-12" R/C 11" P X 85'	

3001261

GUE-070R-0943 R

East Bound Lanes over Wills Creek & Co. Rd. #35

BRIDGE NO.	COUNTY	ROUTE NO.	S. H. NO.	SECTION	STRENGTH	ROADWAY	CLEARANCE	TYPE
GUE-70-0943-R	Guernsey	70			H10-H12 H15 H20	15-16 19-22 23	12-12.14 14-OPEN	A B C G S T

8VE-70-0943-R Gwernsey

70

BRIDGE NO.

COUNTY

ROUTE NO.

S. H. NO.

SECTION

H10

H12

H18

H20

15-18

19-22

23 +

12-

12-14

14 +

OPEN

A

B

G

S

T

STRENGTH

ROADWAY

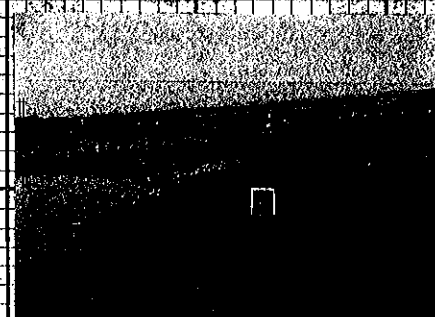
CLEARANCE

TYPE

SKETCH OF STRUCTURE SHOWING DIMENSIONS



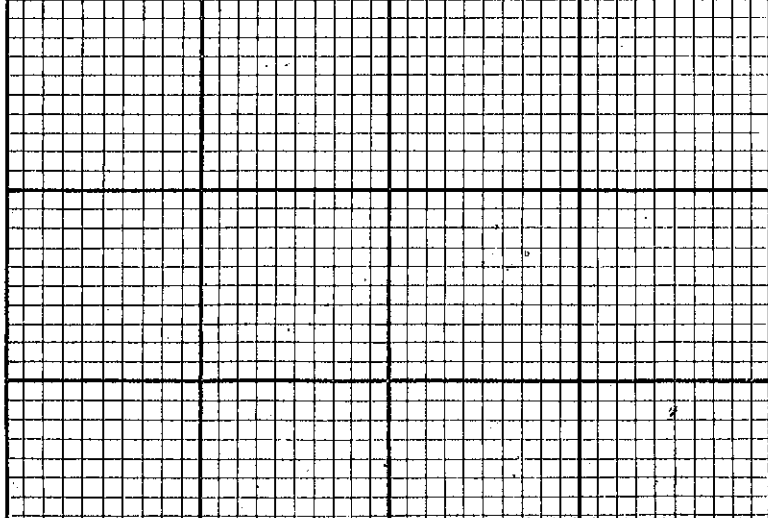
Rear Lkg. Ahead.



Rt. Lkg. Downstream.
5-25-67

PROT 725(89) REMOVED AC AND 1/4" MOULD. W.S. PLACED 2" SDC OVERLAY. REPLACED BRIDGE RAIL WITH BR-1 (5-29-79). REPLACED EXP. JNT'S WITH STRIP SEALS. SEALED RAIL & DECK EDGES WITH EPOXY. REPAIRED B.W.S.
PROT 313(12) NEW BRIDGE RAILS, EDGES AND SDC OVERLAY

LOCATION SKETCH



REMARKS: Profile Grade = 800' v.e. Grades = Rear - 1.48%, Fwd. + 2.88%, P.V.I Sta. 219+50. Drainage Area = 311 Sq. mi. Q₅₀ = 12,000 c.f.s. Paint Struct. Steel = 363,700 lbs
Fabricator: -
Cement - Columbia
Sand, #3 & #4 H 99 r. - Spring Constr. Co., Newcomerstown, O.
Built on Proj. 312-63, V.N. Holderman
24,903
PAINT STA Steel ~~24,903~~ 50. FT.
PROT 111(82) PAINTED OZCU