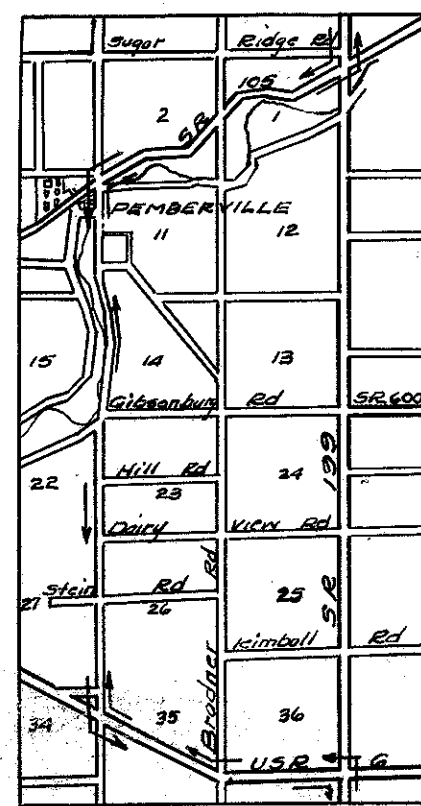




DETOUR MAP

STATE OF OHIO DEPARTMENT OF HIGHWAYS WOO-199-(13.28)-(14.96)-(15.66)-(19.31)-(20.42)

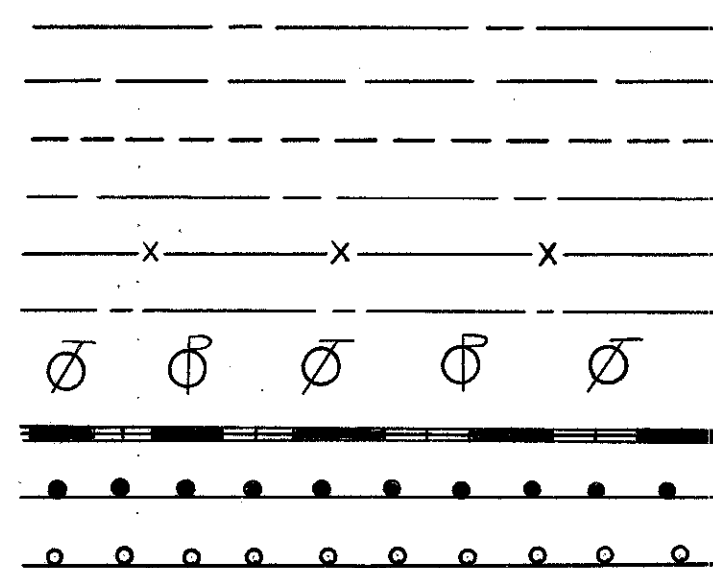
FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		1950

WOOD-SANDUSKY COUNTIES
WOO-199-(13.28)(14.96)
(15.66)(19.31)(20.42)

WOOD COUNTY TROY AND FREEDOM TOWNSHIPS SANDUSKY COUNTY MADISON AND WOODVILLE TOWNSHIPS

CONVENTIONAL SIGNS

COUNTY LINE
TOWNSHIP LINE
SECTION LINE
CORPORATION LINE
FENCE LINE
CENTER LINE
POLE LINE
RAILROAD
GUARD RAIL (PROPOSED)
GUARD RAIL (EXISTING)

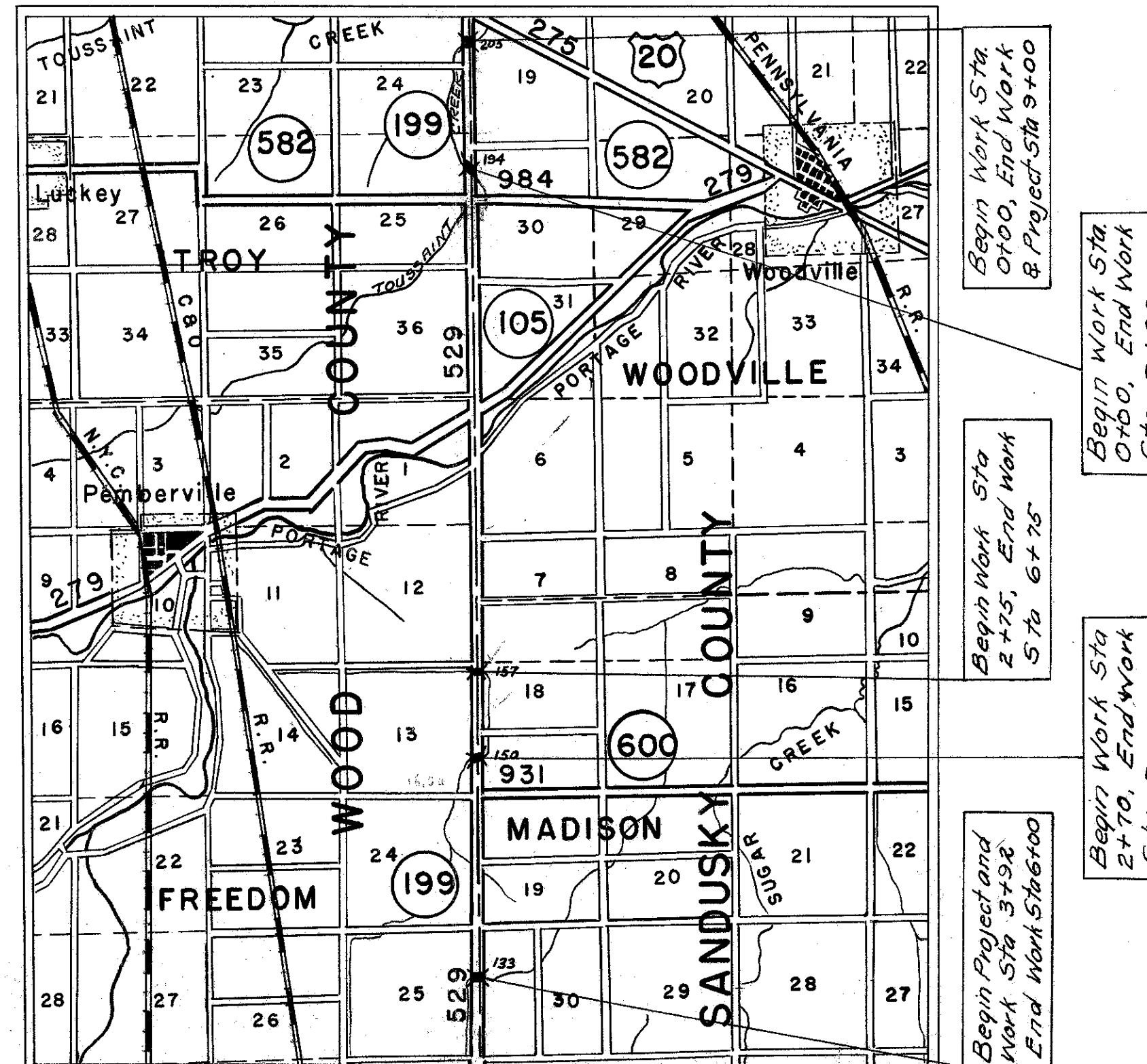


INDEX OF SHEETS

TITLE SHEET	1
TYPICAL SECTION	2
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PAVEMENT COMPUTATIONS, GENERAL NOTES	4
PLAN and PROFILE	5,8,11,14&17
CROSS SECTIONS	6,9-10,12,15,16,18
CHANNEL CROSS SECTIONS	7,13,16,19
STRUCTURE DETAILS	20-26

LINE DATA

PROJECT &		
BEGIN WORK at BRIDGE WO-199-133	Sta. 3+92	
END WORK at BRIDGE WO-199-133	Sta. 6+00	
	Net Length = 208 Lin. Ft.	
BEGIN WORK at BRIDGE WO-199-150	Sta. 2+70	
END WORK at BRIDGE WO-199-150	Sta. 7+00	
	Net Length = 430 Lin. Ft.	
BEGIN WORK at BRIDGE WO-199-157	Sta. 2+75	
END WORK at BRIDGE WO-199-157	Sta. 6+75	
	Net Length = 400 Lin. Ft.	
BEGIN WORK at BRIDGE WO-199-194	Sta. 0+00	
END WORK at BRIDGE WO-199-194	Sta. 9+00	
	Net Length = 900 Lin. Ft.	
BEGIN WORK at BRIDGE WO-199-205	Sta. 0+00	
END WORK at BRIDGE WO-199-205	Sta. 9+00	
	Net Length = 900 Lin. Ft.	
Total Net Length of Work&Project	2838 Lin. Ft.	
	or 0.537 Mi.	



DELIVERY POINT-PEMBERVILLE AVERAGE HAUL= 5.5Miles

LOCATION PLAN

Scale 1" = 1 mi.

PORTION TO BE IMPROVED
STATE HIGHWAYS
OTHER ROADS
DETOURS

SCALES

PLAN	1" = 20' & 50'
PROFILE HORIZONTAL	1" = 20' & 50'
PROFILE VERTICAL	1" = 5'
CROSS SECTIONS	1" = 5'

The Standard Specifications of the State of Ohio, Department of Highways, including changes and Supplemental Specifications listed in the proposal Shall Govern this Project.

The Right of Way necessary for this improvement will be provided by the State of Ohio.

I hereby approve these plans and declare that the making of this improvement will require the closing to traffic of the Highway and that detours will be provided as indicated on the plans. See General Note on Sheet 2.

Approved George M. Lieber
Date: 6-20-50 Division Deputy Director

Approved _____
Date: _____ Chief Engineer, Bureau of Maintenance

Approved Richard E. Smith
Date: 8-2-50 Chief Engineer, Bureau of Bridges & R.R. Crossings

Approved K. L. Johnson
Date: 8-5-50 Chief Engineer, Bureau of Location & Design

Approved J. F. Shawlin
Date: 8-5-50 First Asst. Director & Chief Engineer

Approved T. J. Bauer
Date: 8-5-50 Director of Highways



FILE NO.	WOOD COUNTY
	SEC. WOO-199-(13.28)-(14.96)-(15.66)-(19.31)-(20.42)
	DATE OF LETTING
	CONTRACT NO.

SUPPLEMENTAL SPECIFICATIONS	STANDARD	DRAWINGS
5-28-48	9-8-07	2-7-50 L-1 4-1-50
6-13-49	L-3	4-1-50 L-3-A 4-1-50
T-110 Rev. 8-3-36	I-15N°1	3-1-47
5-303 12-20-46	I-15N°2	6-17-49
L-109.12 Rev. 7-15-50	SB-1-47	1-20-48
T-171.19 Rev. 7-31-50	T-8 C.B. 1-2A&B 12-15-41	
	I-1,2,3,4,5 2-20-45	
	S-27, P.C. 3 2-20-45	
	AS-3-47 AS-4-47 7-27-49	

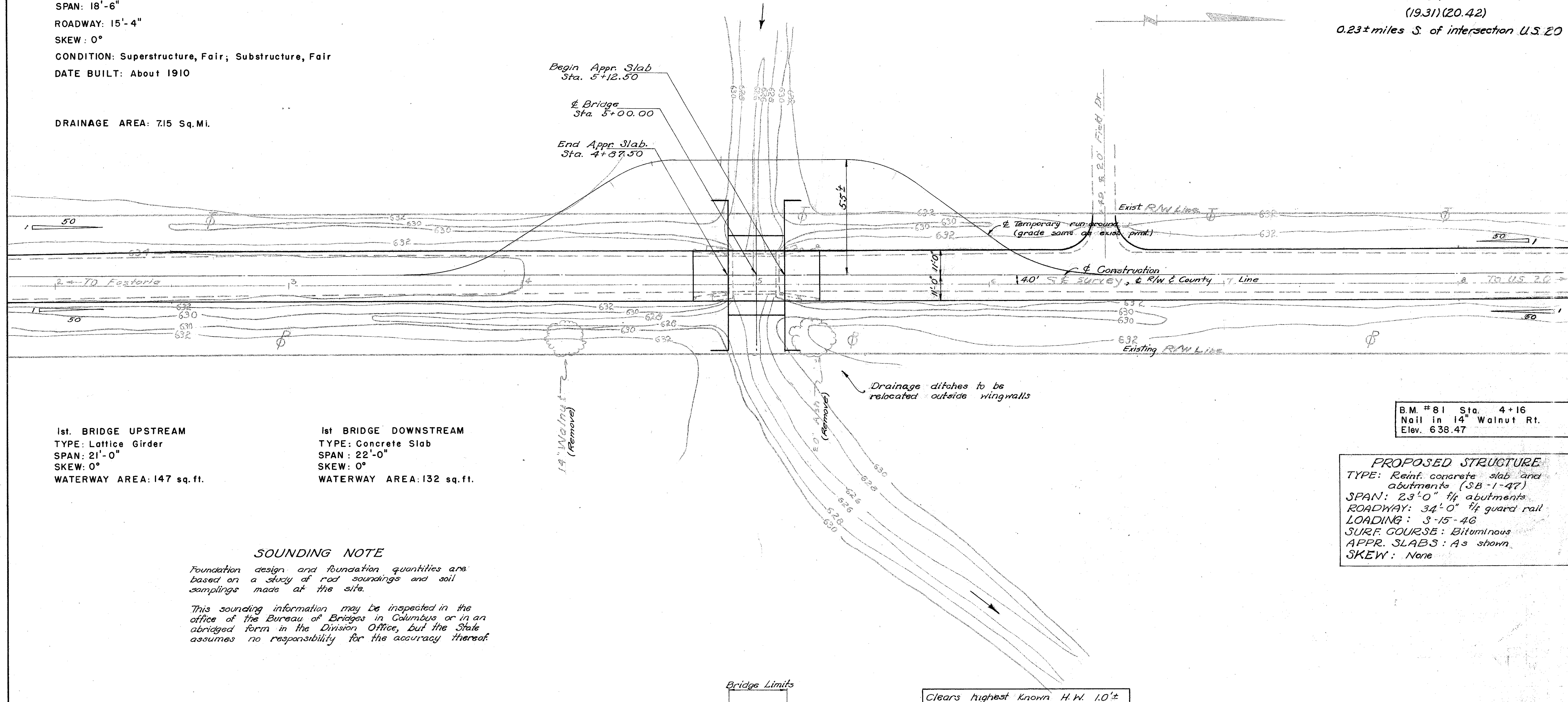
EXISTING BRIDGE DATA (To BE REMOVED)

TYPE: Concrete Slab on Stone Substructure
SPAN: 18'-6"
ROADWAY: 15'-4"
SKEW: 0°
CONDITION: Superstructure, Fair; Substructure, Fair
DATE BUILT: About 1910

DRAINAGE AREA: 7.15 Sq. Mi.

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		1950

WOOD COUNTY
W00-199-(13.28)(14.96)(15.66)
(19.31)(20.42)
0.23± miles S. of intersection U.S. 20



1st. BRIDGE UPSTREAM
TYPE: Lattice Girder
SPAN: 21'-0"
SKEW: 0°
WATERWAY AREA: 147 sq. ft.

1st BRIDGE DOWNSTREAM
TYPE: Concrete Slab
SPAN: 22'-0"
SKEW: 0°
WATERWAY AREA: 132 sq. ft.

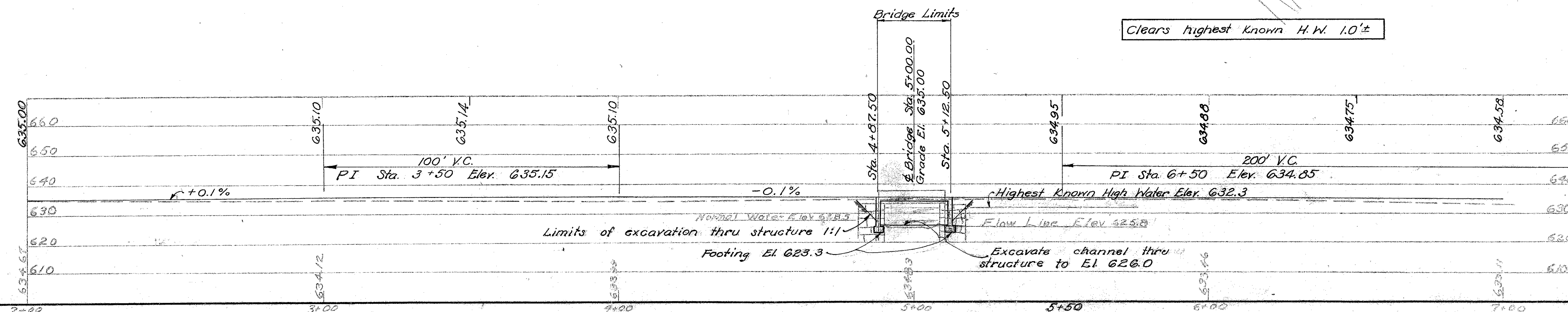
SOUNDING NOTE

Foundation design and foundation quantities are based on a study of rod soundings and soil samplings made at the site.

This sounding information may be inspected in the office of the Bureau of Bridges in Columbus or in an abridged form in the Division Office, but the State assumes no responsibility for the accuracy thereof.

B.M. #81 Sta. 4+16
Nail in 14" Walnut Rt.
Elev. 638.47

PROPOSED STRUCTURE
TYPE: Reinf. concrete slab and abutments (SB-1-47)
SPAN: 23'-0" w/ abutments
ROADWAY: 34'-0" w/ guard rail
LOADING: S-15-46
SURF COURSE: Bituminous
APPR. SLABS: As shown
SKEW: None



STATE OF OHIO DEPARTMENT OF HIGHWAYS BUREAU OF BRIDGES			
SITE PLAN			
BRIDGE NO. W0-199-205			
over a branch of		TOUSSAINT CREEK	
WOOD COUNTY		SR 199	
SEC. 19-20.42		STA. 5+00.00	
SCALE: 1"= 20'			
PRESENT TOPOGRAPHY	PROPOSED		WORK
SURVEYED	DRAWN	DESIGNED	DRAWN
H.M.	J.M.D.	Sims	Sims
		BFG	W.H.C.
			5-11-50

WOOD COUNTY
WOO-199-(13.28)(14.96)(15.66)
(19.31)(20.42)

GENERAL NOTES

REFERENCE shall be made to Standard Drawing SB-1-47, revised 1-20-48, and to Supplemental Specifications S-303, dated 12-20-46, and T-110, revised 8-3-36.

TEMPORARY RUN-AROUND BRIDGE & APPROACHES shall be paid for as lump sum under Item S-15, except furnishing and placing approach surface course. Surface course aggregate shall be paid for per cu. yd. and be governed by Suppl. Spec. T-110, except that rolling will be required. Calcium chloride (M-10), applied to surface course, shall be paid for per ton. Amount of surface material applied and paid for to be as directed by the Engineer. Embankment to be substantially in accordance with E-105 with side slopes not steeper than 1½:1. Items T-110 and M-10 are included with roadway quantities for payment.

REMOVAL OF EXISTING BRIDGE: Existing bridge shall be removed. Suitable material may be used as bank protection at the site as directed by the Engineer.

SURFACE FINISH OF CONCRETE: Fascia of deck slab shall receive a rubbed surface finish. All other exposed surfaces shall be governed by the provisions of Item S-1.

POROUS BACKFILL: Porous backfill, 2'-0" thick, shall extend up to a point 2'-0" below approach slab seal and 2'-0" below finished ground line along wings. Impervious soil shall be placed above this porous material.

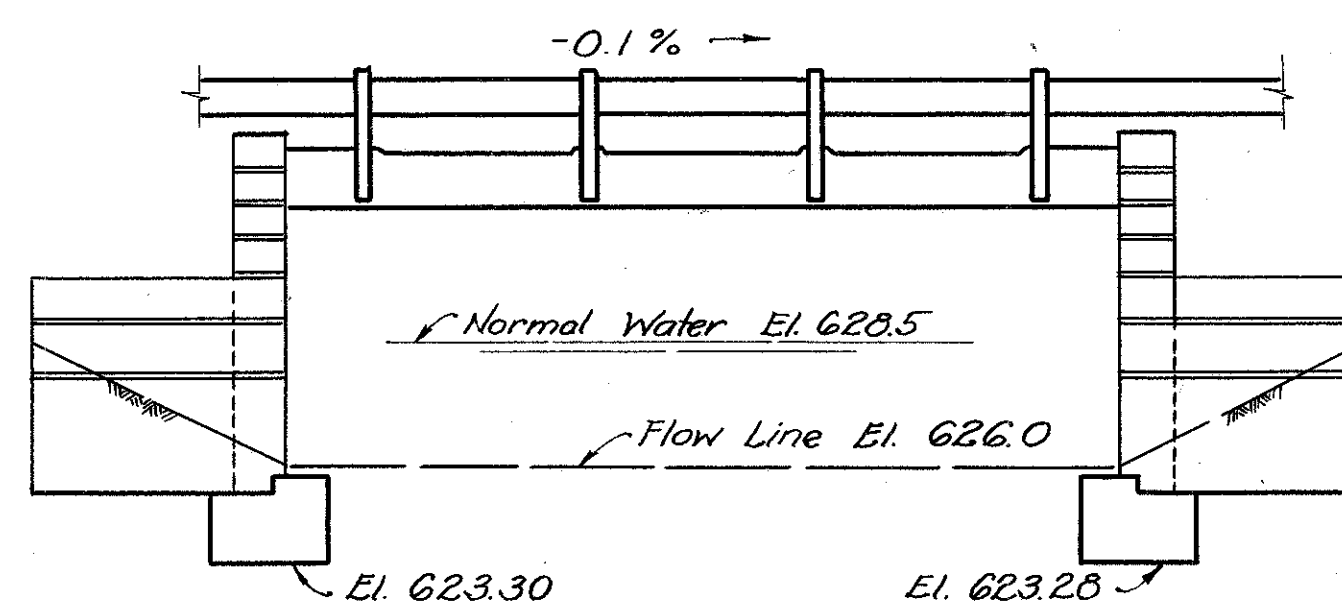
BITUMINOUS SURFACE COURSE: 2½" Asphaltic concrete surface course, Item T-35, laid in two 1¼" courses.

FOOTINGS shall extend a minimum of 1'-3" into solid rock but not higher than El. 623.3.

ESTIMATED QUANTITIES

Item	Total	Unit	Description	Superstr.	Abuts.	General
E-2	Lump	Sum	Cofferdams, cribs and sheeting			Lump
E-2	15	Cu. yd.	Unclassified excavation		15	
E-2	55	Cu. yd.	Rock Excavation		55	
E-3	190	Cu. yd.	Channel Excavation			190
S-1	40	Cu. yd.	Class "C" concrete, superstructure	40		
S-1	61	Cu. yd.	Class "E" concrete, abutment walls		61	
S-1	34	Cu. yd.	Class "E" concrete, footings		34	
S-3	98	Sq. yd.	Type "C" waterproofing	98		
S-303	18	Lin. ft.	Waterproofing, premolded sealing strip		18	
S-4	11801	Lbs.	Reinforcing steel	8878	2967	36
S-9	18	Sq. ft.	¾" premolded expansion joint filler	18		
S-14	50	Lin. ft.	Railing (Type I-15.13 guard rail with steel posts)	50		
S-15	Lump	Sum	Temporary run-around bridge & approaches			Lump
S-24	Lump	Sum	Removal of existing structure			Lump
S-29	22	Cu. yd.	Porous backfill		22	
T-35	7	Cu. yd.	Asphaltic concrete surface course, Type A or C	7		

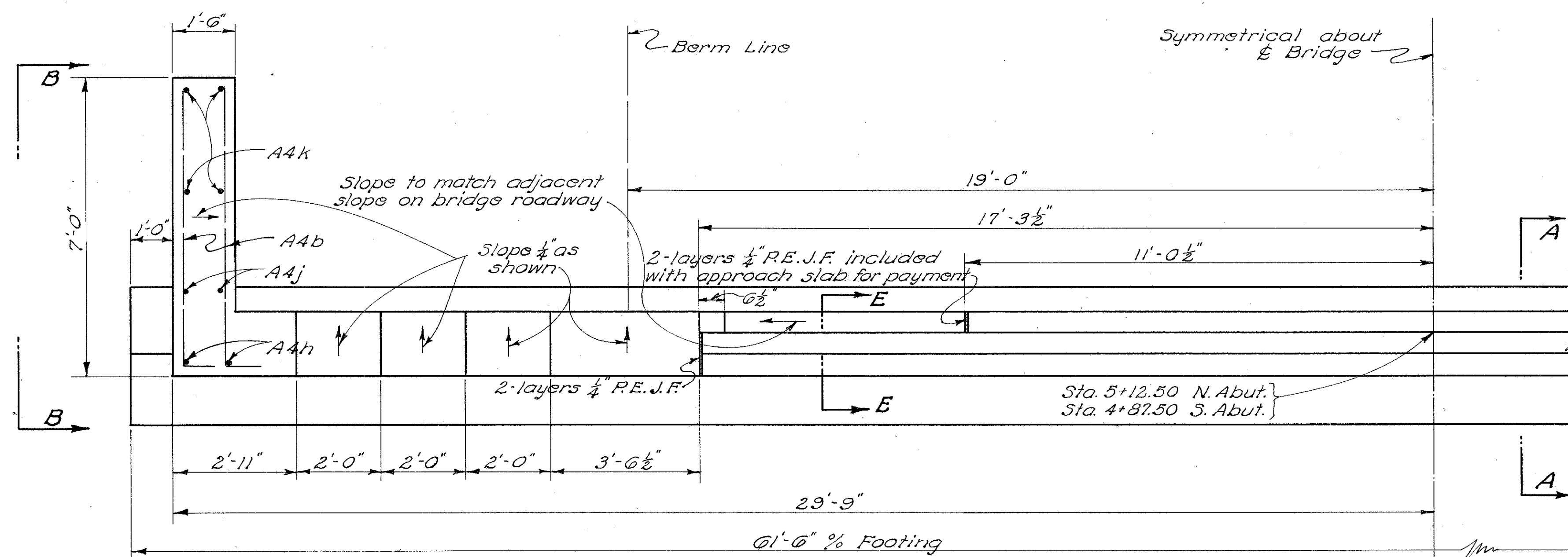
GENERAL PLAN



ELEVATION

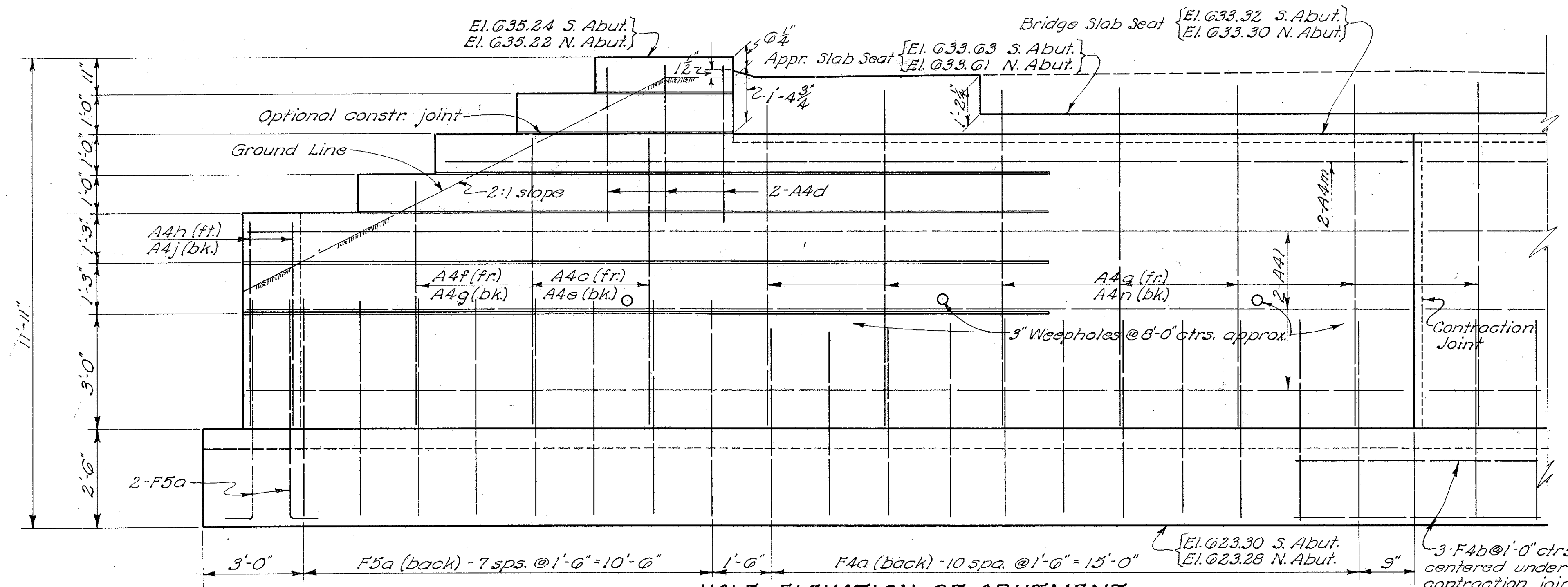
No Change 11-29-51 R.M.T.

STATE OF OHIO DEPARTMENT OF HIGHWAYS BUREAU OF BRIDGES AND RAILROAD CROSSINGS					
GENERAL PLAN & ELEVATION, GENERAL NOTES & ESTIMATED QUANTITIES BRIDGE No. WO-199-205 over Branch of Toussaint Creek WOOD COUNTY Sta. 5+00.00 SEC. WOO-199-20.42					
DESIGNED C.W.	DRAWN C.W.	TRACED D.J.M.	CHECKED BFG	REVIEWED DATE 5-11-50	REVISED

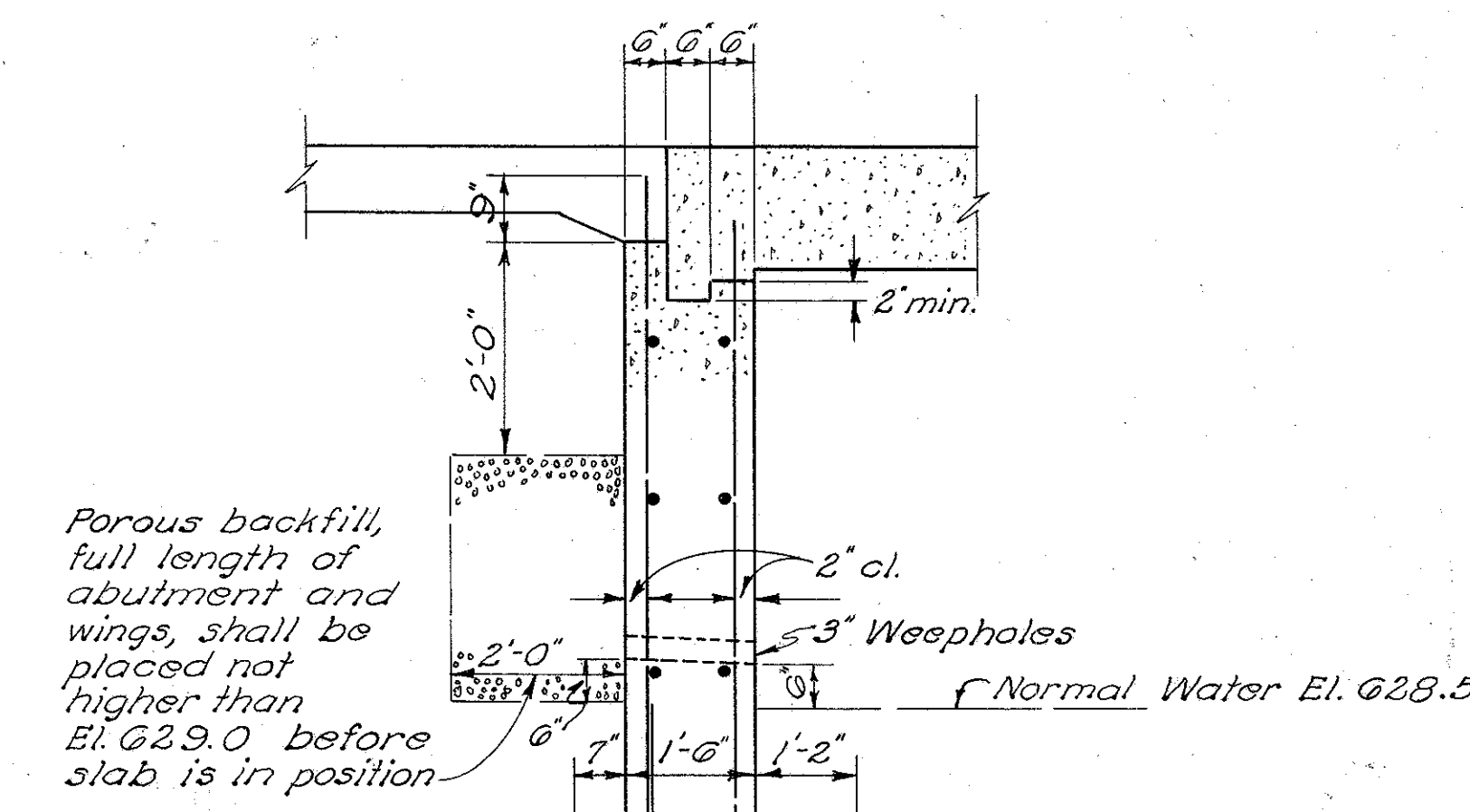


HALF PLAN OF ABUTMENT

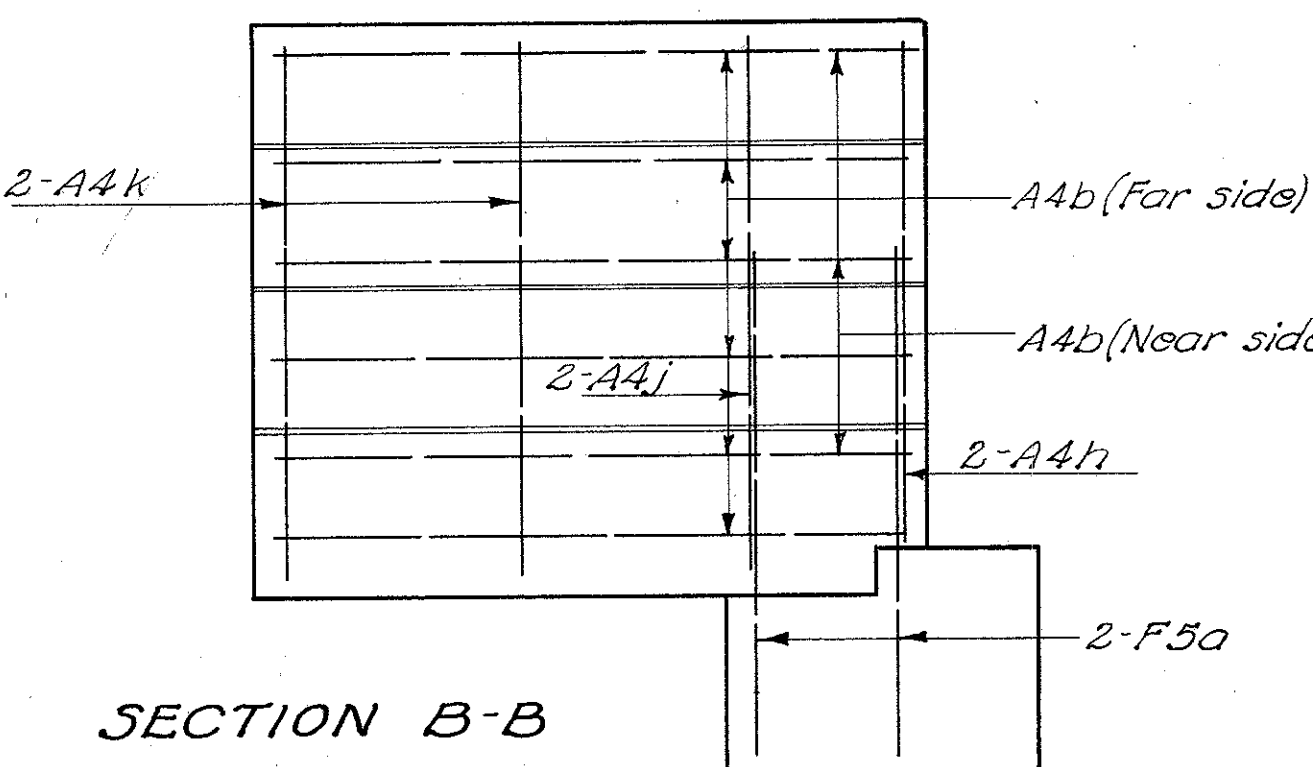
REINFORCING STEEL LIST						BENDING DIAGRAMS	
MARK	SIZE	NO.	LENGTH	WEIGHT	SHA		
Abutments							
F4a	$\frac{3}{4}"$	44	5'-9"	264	Bt.		
F4b	$\frac{3}{4}"$	12	6'-0"	75	Str.		
F5a	$\frac{3}{4}"$	48	6'-5"	451	Bt.		
A4a	$\frac{3}{4}"$	24	8'-9"	206	Str.		
A4b	$\frac{3}{4}"$	36	9'-3"	348	Bt.		
A4c	$\frac{3}{4}"$	8	7'-3"	60	Str.		
A4d	$\frac{3}{4}"$	24	4'-0"	100	Str.		
A4e	$\frac{3}{4}"$	8	7'-9"	65	Str.		
A4f	$\frac{3}{4}"$	4	0'-3"	26	Str.		
A4g	$\frac{3}{4}"$	4	0'-9"	28	Str.		
A4h	$\frac{3}{4}"$	8	5'-3"	44	Str.		
A4i	$\frac{3}{4}"$	8	5'-9"	48	Str.		
A4k	$\frac{3}{4}"$	10	5'-6"	92	Str.		
A4l	$\frac{3}{4}"$	24	2'-3"	132	Str.		
A4m	$\frac{3}{4}"$	8	2'-4"	203	Str.		
A4n	$\frac{3}{4}"$	24	9'-0"	225	Str.		
Superstructure							
S7a	1"	19	26'-10"	5660	Bt.		
T5a	$\frac{3}{4}"$	57	34'-0"	2911	Str.		
T4a	$\frac{3}{4}"$	12	24'-6"	307	Str.		
Replacement Bars							
RE7	1"	1	7'-4"	20	Str.		
RE5	$\frac{3}{4}"$	1	6'-6"	10	Str.		
RE4	$\frac{3}{4}"$	1	6'-1"	6	Str.		



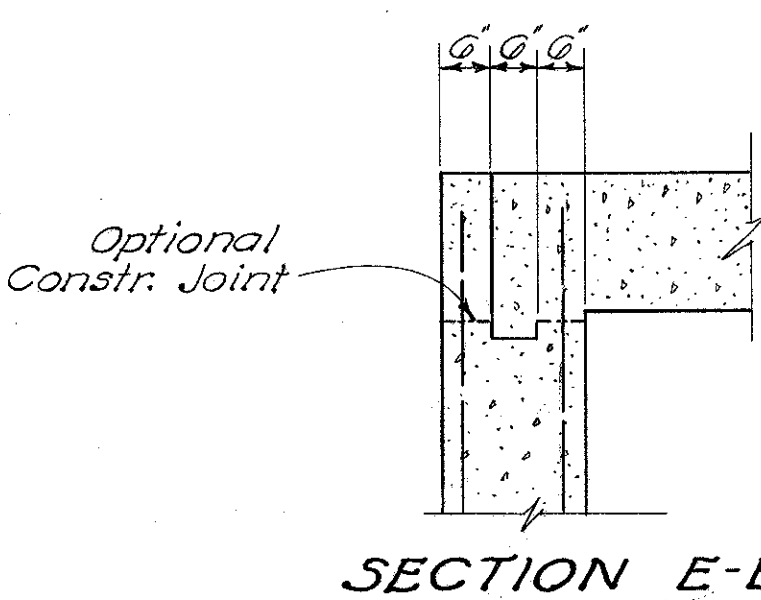
HALF ELEVATION OF ABUTMENT



SECTION A-A



SECTION B-B



SECTION E-E

All steel 2" clear from face of concrete unless otherwise noted.

STATE OF OHIO DEPARTMENT OF HIGHWAYS BUREAU OF BRIDGES AND RAILROAD CROSSINGS						
ABUTMENT DETAILS & REINFORCING STEEL LIST BRIDGE No. W0-199-205 OVER BRANCH OF TOUSSAINT CREEK WOOD COUNTY STA. 5+00.00 SEC. W00-199-20.42						
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
C.W.	C.W.	J.D.J.	W.R.	BFG	W.R. 5-11-50	