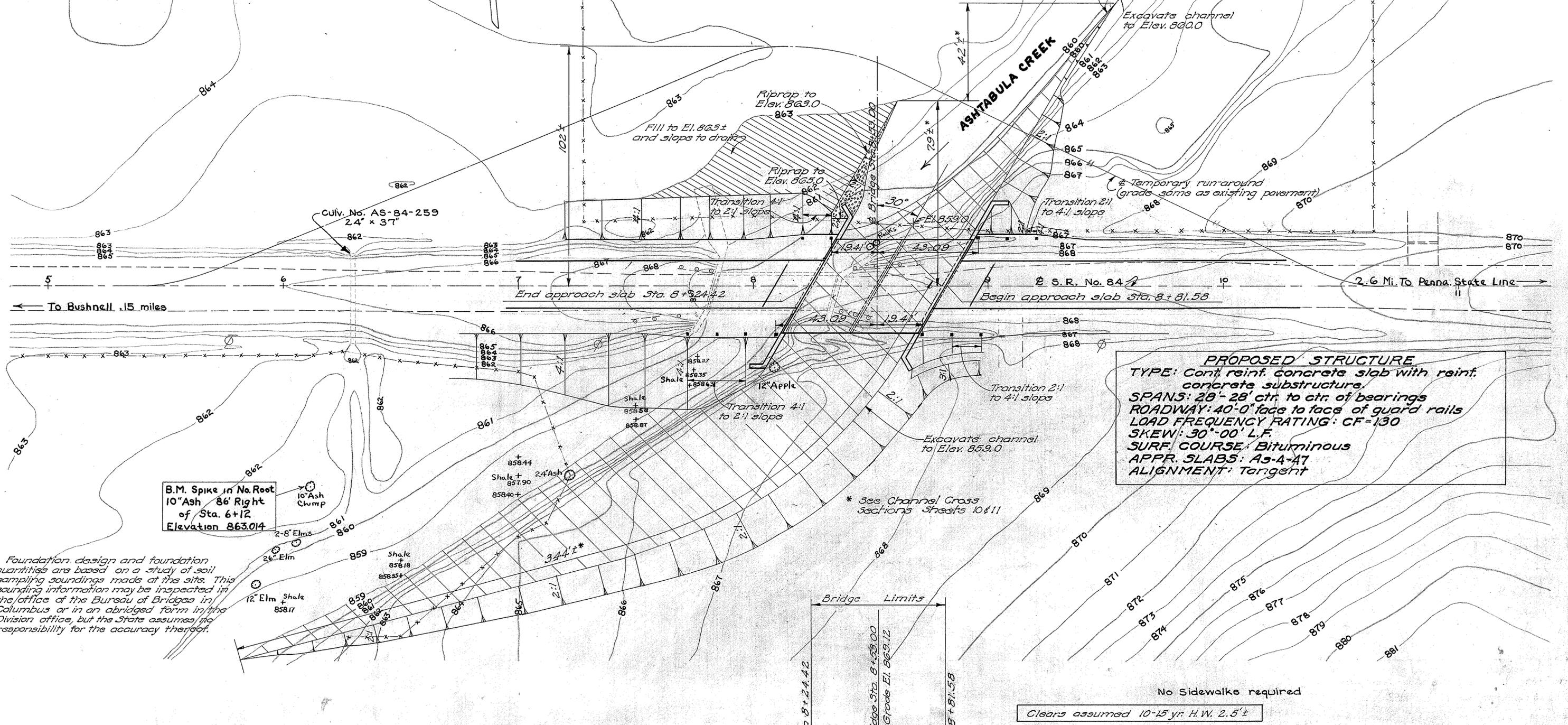


ASHTABULA COUNTY
 ATB-84-26.0
 .15 MI. EAST OF BUSHNELL

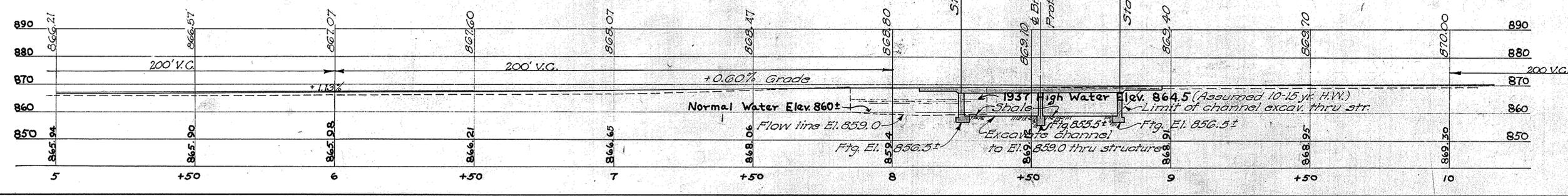
EXISTING BRIDGE DATA
 TYPE:- Steel Beam
 SPAN:- 49'4" Clear
 ROADWAY:- 13' or 14'
 SKEW:- 15°-29' Lt. Fwd.



PROPOSED STRUCTURE
 TYPE: Cont. reinf. concrete slab with reinf. concrete substructure.
 SPANS: 28'-28' ctr. to ctr. of bearings
 ROADWAY: 40'-0" face to face of guard rails
 LOAD FREQUENCY RATING: CF-130
 SKEW: 30°-00' L.F.
 SURF COURSE: Bituminous
 APPR. SLABS: A-4-A7
 ALIGNMENT: Tangent

B.M. Spike in No. Root
 10" Ash 86' Right
 of Sta. 6+12
 Elevation 863.014

Foundation design and foundation quantities are based on a study of soil sampling soundings made at this 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.

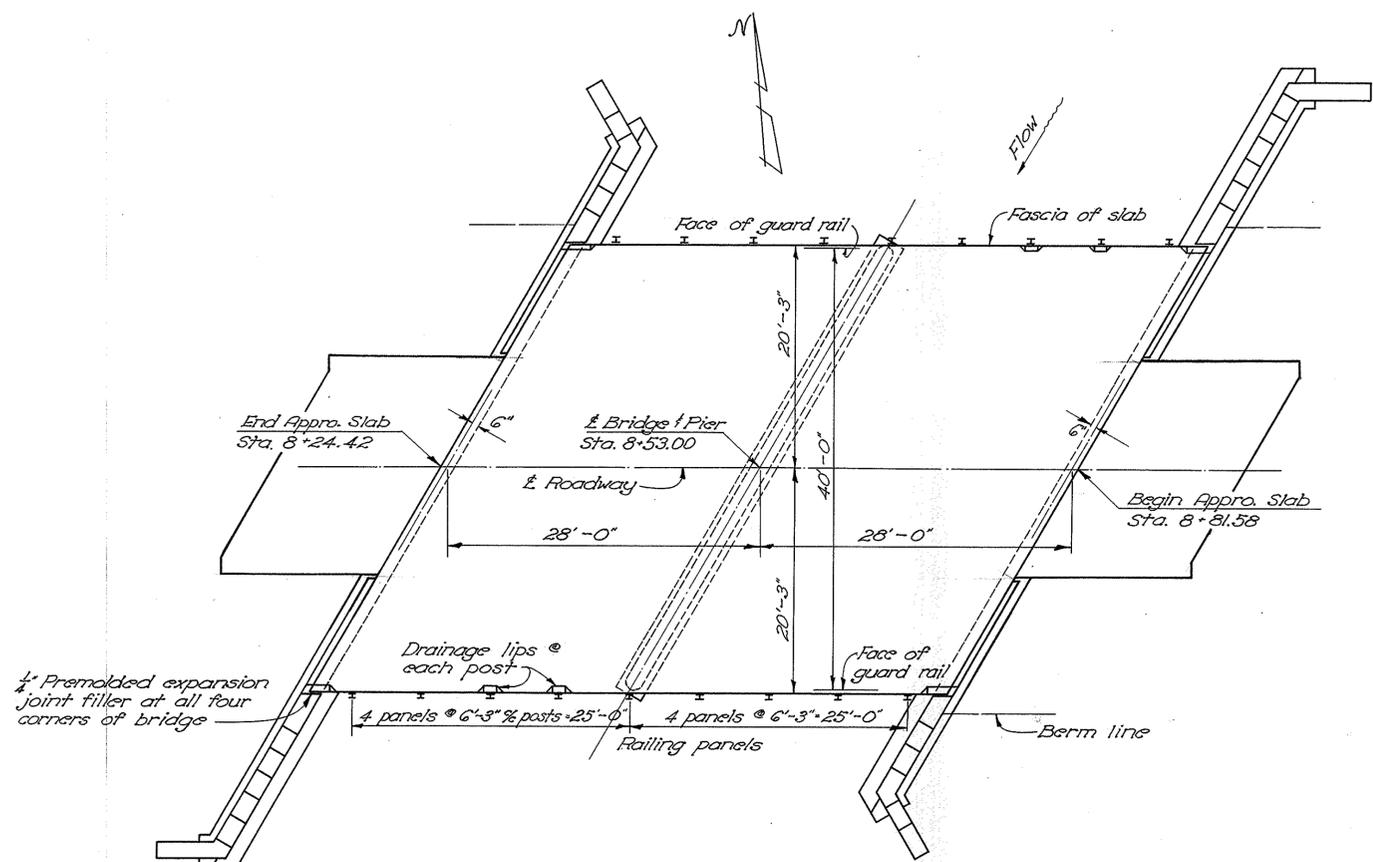


DRAINAGE AREA 14 SQ. MI.

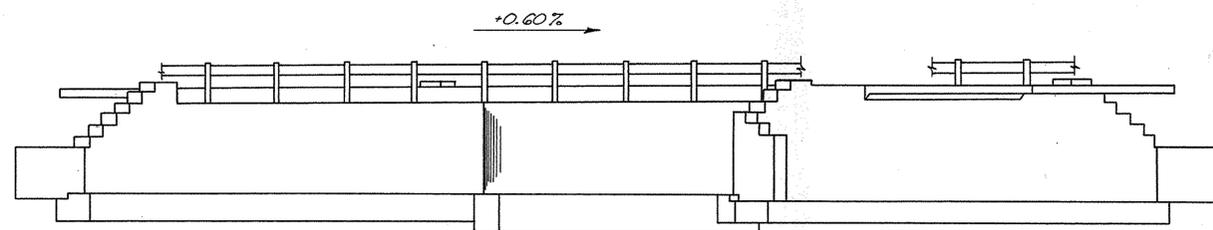
STATE OF OHIO DEPARTMENT OF HIGHWAYS BUREAU OF BRIDGES			
SITE PLAN			
BRIDGE NO. AS-84-260 OVER ASHTABULA CREEK ASHTABULA COUNTY SEC. ATB-84-26.00			
SCALE 1"=20'		STA. 8+53.00	
PRESENT TOPOGRAPHY	PROPOSED WORK		
SURVEYED	DRAWN	DESIGNED	CHECKED
B.E.C.	J.C.D.	J.H.B.	P.E.S.

BFG 9-30-53

ATB-84-26.00



GENERAL PLAN



GENERAL ELEVATION

ESTIMATED QUANTITIES

Item	Total	Unit	Description	Superstr.	Pier	Abuts.	Gen.
E-2	105	cu.yd.	Unclassified excavation, including shale		15	90	
E-3	3753	cu.yd.	Channel excavation				3753
S-1	100	cu.yd.	Class "C" concrete, superstructure	100			
S-1	99	cu.yd.	Class "E" concrete, pier & abutment walls		21	78	
S-1	60	cu.yd.	Class "E" concrete, pier & abutment footings		15	45	
S-3	258	sq.yd.	Type "C" waterproofing	258			
S-3	40	lin.ft.	Waterproofing, premolded sealing strip			40	
S-4	30678	lbs.	Reinforcing steel	26,181	816	3635	46
S-9	13	sq.ft.	1/2" premolded expansion joint filler	13			
S-14	114.32	lin.ft.	Railing (Type I-15.13 with steel posts)	114.32			
S-15	jump	sum	Temporary run-around bridge				jump
S-24	jump	sum	Removal of existing structure				jump
S-29	55	cu.yd.	Porous backfill			55	
T-35	18	cu.yd.	Asphaltic concrete surface course, Type A or C (10-80)	18			
I-10	33	sq.yd.	Type "A" riprap				33

GENERAL NOTES

TEMPORARY RUN-AROUND BRIDGE AND APPROACHES: Item S-15 of the Bridge quantities, listed above, shall consist of providing, maintaining and subsequently removing the temporary run-around bridge only. T-10 surface course on approaches for run-around approaches, aggregate and chert, see Roadway quantities Sheet No. 4.

REMOVAL OF EXISTING STRUCTURE: When no longer needed to maintain traffic the existing structure shall be removed. The superstructure shall be carefully dismantled and piled along the right-of-way for disposal by the State's forces. The remainder of the removed materials shall become the property of the Contractor. The forward abutment shall be removed to Elev. 859.0. The rear abutment shall be removed to a minimum of 3'-0" below finished grade. Suitable waste masonry may be used as riprap where shown on plans or may be disposed of as bank protection at the direction of the Engineer.

METAL WASHERS of approximately 3" diameter shall be provided on the anchor bolts, between the railing posts and the fascia of the deck, to hold the railing in accurate alignment. Washers shall be used only to the extent necessary for this purpose. The space between each railing post and the face of the concrete shall be thoroughly and neatly filled with "Leadite" or approved equivalent, to exclude moisture. Payment for washers and filling shall be considered as included in the contract price per lin. ft. of railing.

FOOTINGS shall extend a minimum of 3' into shale or to the elevation shown, whichever is lower.

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.

GRAVEL, if used as the coarse aggregate, shall be according to Sec. M-3.98 instead of M-3.91 for "Class "C" concrete, superstructure".

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
BUREAU OF BRIDGES AND RAILROAD CROSSINGS

**GENERAL PLAN & ELEVATION,
NOTES & ESTIMATED QUANTITIES**

**BRIDGE No. AS-84-260
over ASHTABULA CREEK**

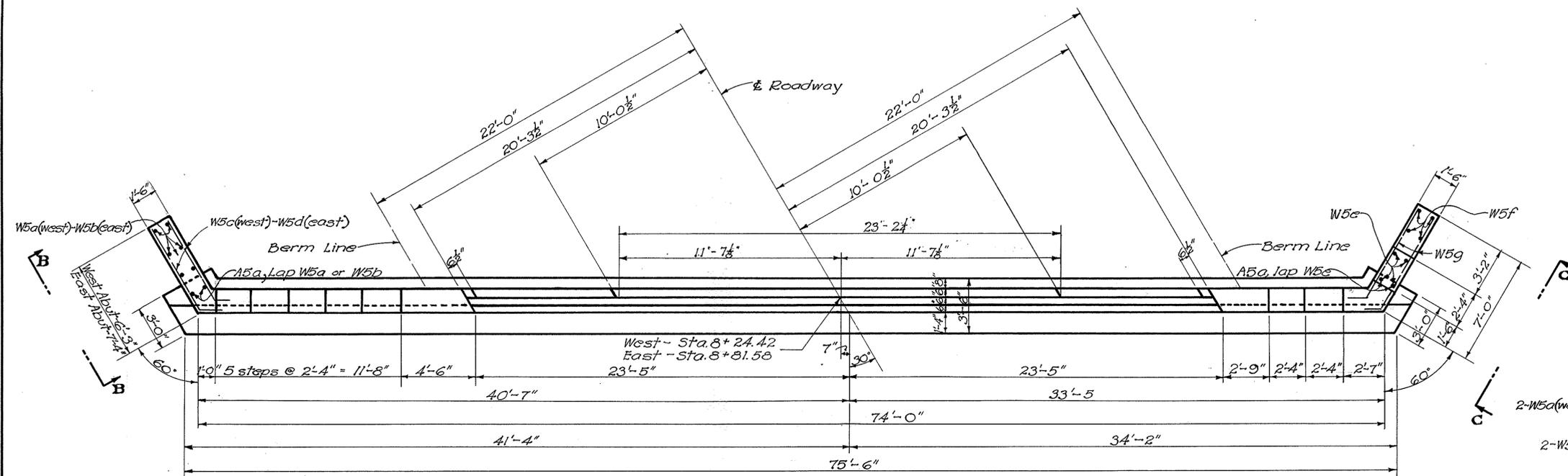
Ashtabula County
Sec. ATB-84-26.00 Sta. 8+53.00

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
R.G.	R.G.	J.P.	B.W.	B.F.G.	9-30-53	11-14-53 (10-22-57)

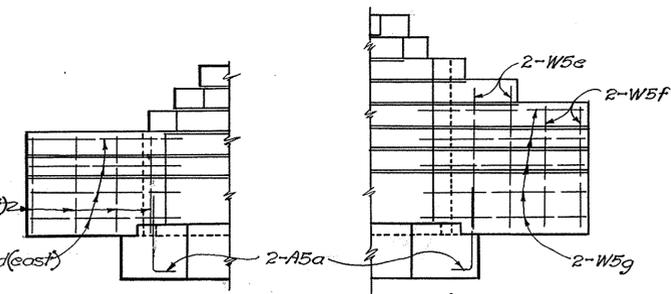
FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO	STATE	

14
16

ATB-84-26.00

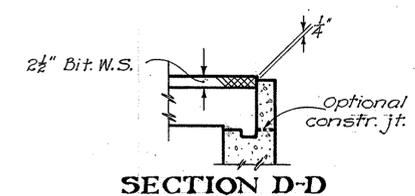


PLAN



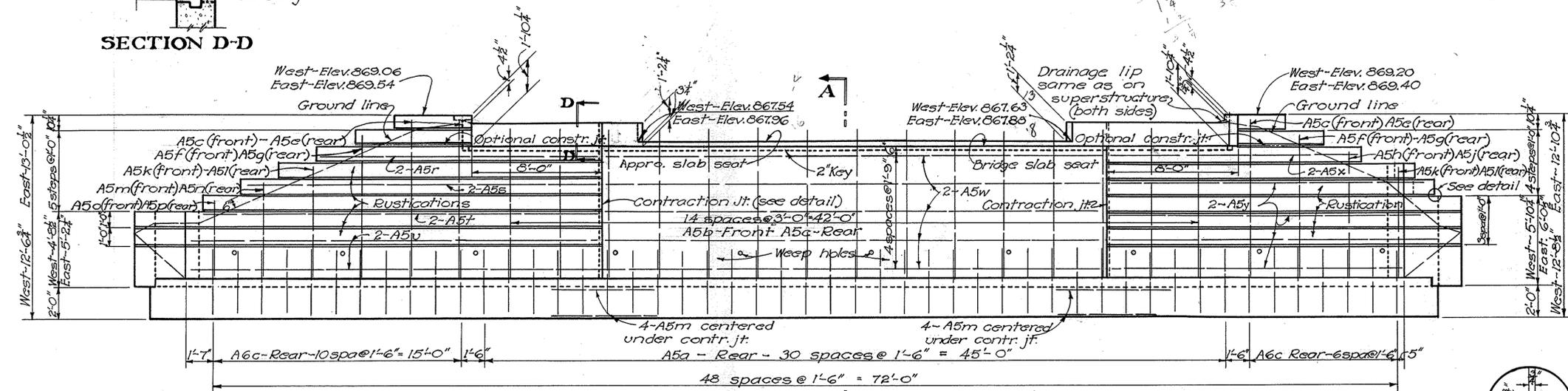
VIEW B-B

VIEW C-C

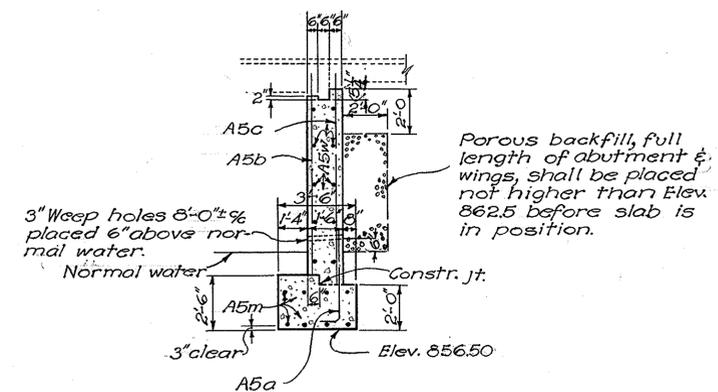


SECTION D-D

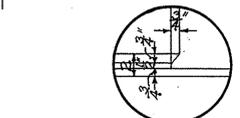
Clearance of reinforcing from face of concrete shall be 2" unless otherwise shown.



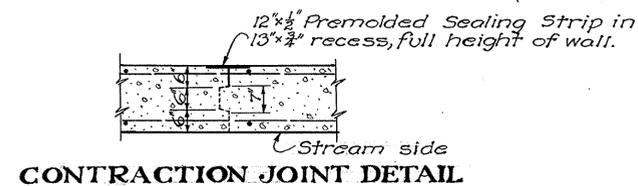
ELEVATION



SECTION A-A

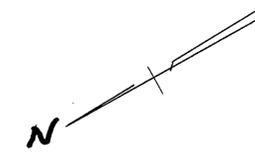
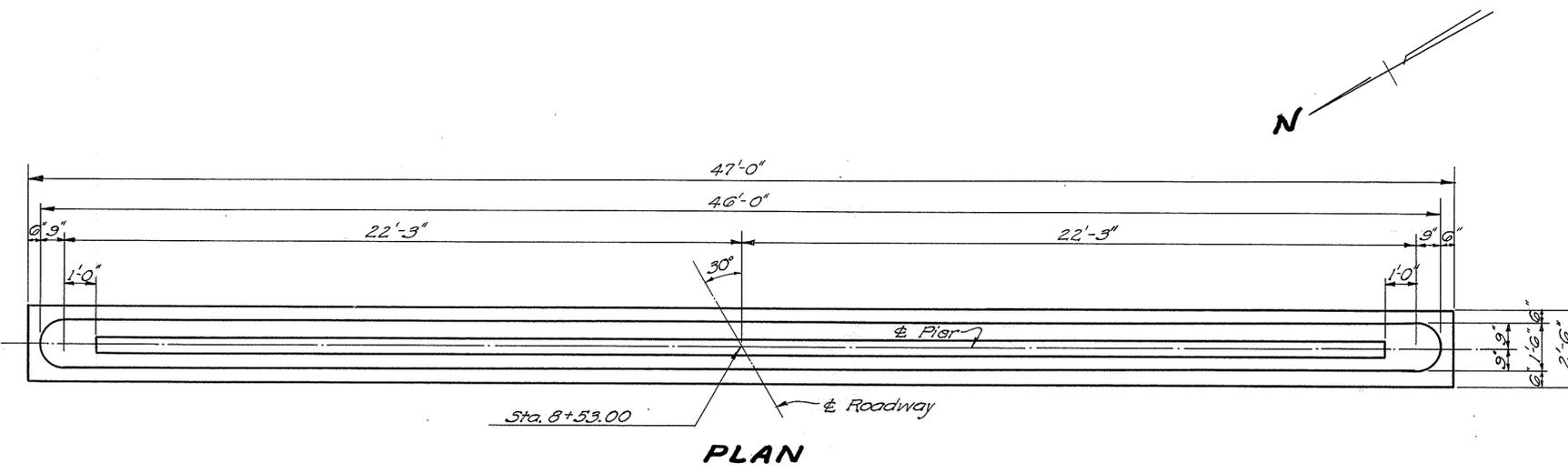


RUSTICATION DETAIL



CONTRACTION JOINT DETAIL

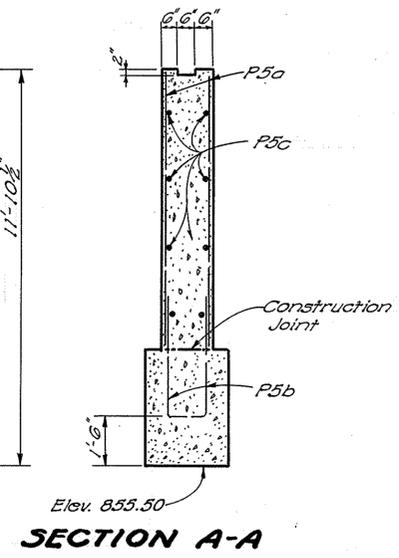
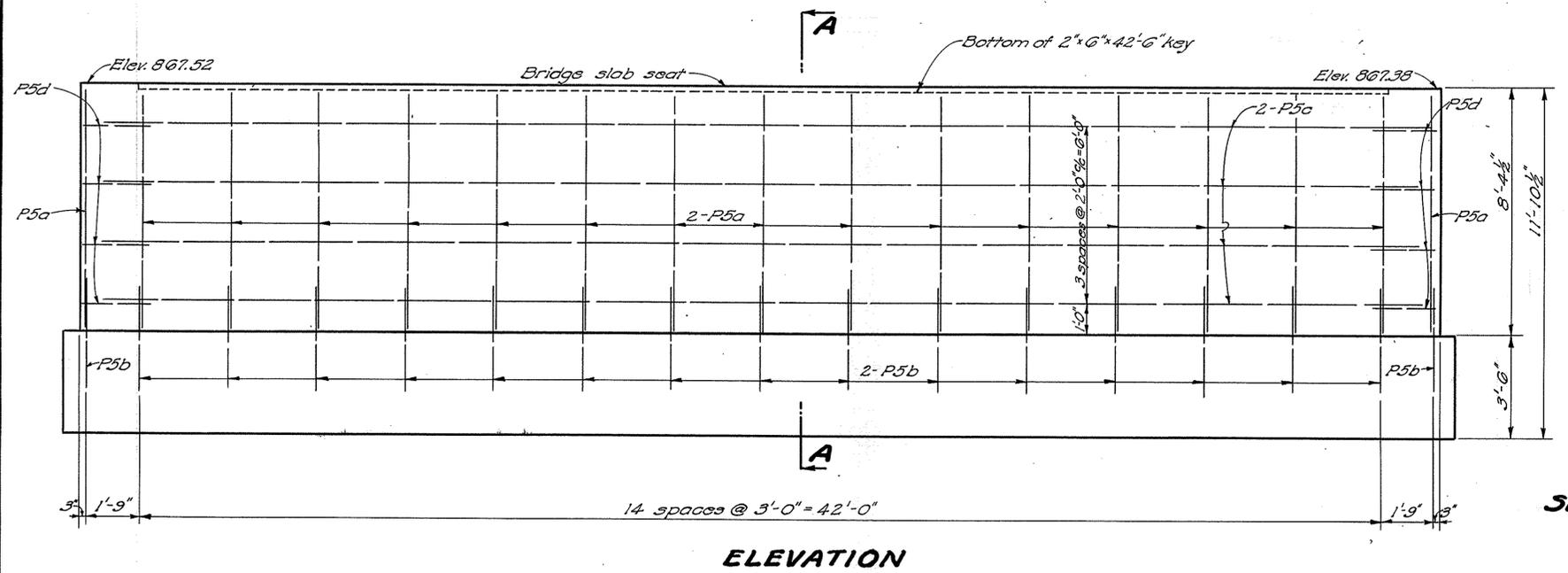
STATE OF OHIO DEPARTMENT OF HIGHWAYS BUREAU OF BRIDGES AND RAILROAD CROSSINGS						
ABUTMENT DETAILS						
BRIDGE NO. AS-84-260						
OVER ASHTABULA CREEK						
ASHTABULA CO.						
SEC. ATB-84-26.00				STA. 8+53.00		
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
R.G.	R.G.	F.G.B.	C.W.	B.F.G.	9/30/53	



REINFORCING STEEL LIST

MARK	No.	LENGTH	WEIGHT	SHR.	BENDING DIAGRAMS	MARK	No.	LENGTH	WEIGHT	SHR.
<i>Abutments</i>										
A5a	70	4'-6"	329	B		<i>Abutments (cont'd)</i>				
A5b	30	9'-3"	289	S		W5d	8	7'-9"	65	B
A5c	36	9'-9"	306	S		W5e	8	6'-6"	54	S
A5e	6	10'-3"	64	S		W5f	8	5'-5"	45	S
A5f	4	9'-0"	38	S		W5g	20	7'-5"	155	B
A5g	4	9'-6"	40	S		<i>Superstructure</i>				
A5h	2	8'-0"	17	S		A10a	19	31'-6"	2575	S
A5j	2	8'-6"	18	S		A10b	20	22'-0"	1893	S
A5k	4	7'-0"	29	S		A10c	18	14'-0"	1084	S
A5l	4	7'-6"	31	S		A10d	58	31'-0"	7137	B
A5m	34	6'-0"	213	S	A10e	28	23'-0"	2771	S	
A5n	2	6'-6"	14	S	A10f	28	17'-6"	2108	S	
A5o	2	5'-0"	10	S	<i>Piers</i>					
A5p	2	5'-6"	11	S	P5a	32	8'-0"	267	S	
A5r	4	16'-10"	70	S	P5b	32	4'-2"	139	B	
A5s	4	21'-0"	90	S	P5c	8	43'-6"	363	S	
A5t	4	23'-10"	99	S	P5d	8	5'-8"	47	B	
A5u	8	24'-10"	207	S	<i>Replacement Bars</i>					
A5w	20	30'-6"	636	S	RE5	1	5'-7"	6	S	
A5x	4	14'-10"	62	S	RE6	1	5'-11"	9	S	
A5y	16	17'-5"	291	S	RE10	1	7'-3"	31	S	
A6c	36	4'-10"	261	B						
W5a	8	4'-3"	35	S						
W5b	8	4'-9"	40	S						
W5c	8	6'-8"	50	B						

Reinforcing shall be 2" clear from face of concrete



In the reinforcing steel bar marks, the numeral following the first letter is the Bar Number which indicates the size of the bar.

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
BUREAU OF BRIDGES AND RAILROAD CROSSINGS

PIER DETAILS AND REINFORCING STEEL LIST

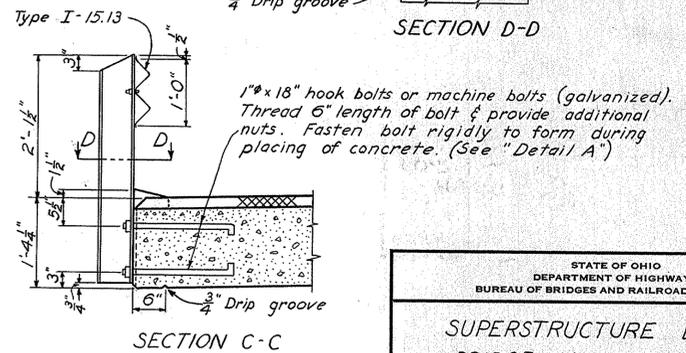
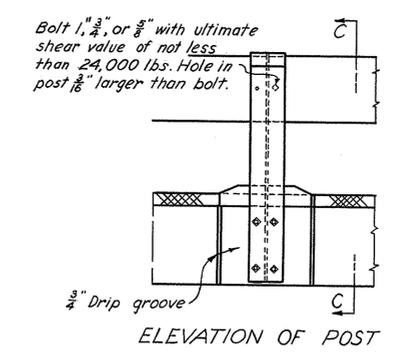
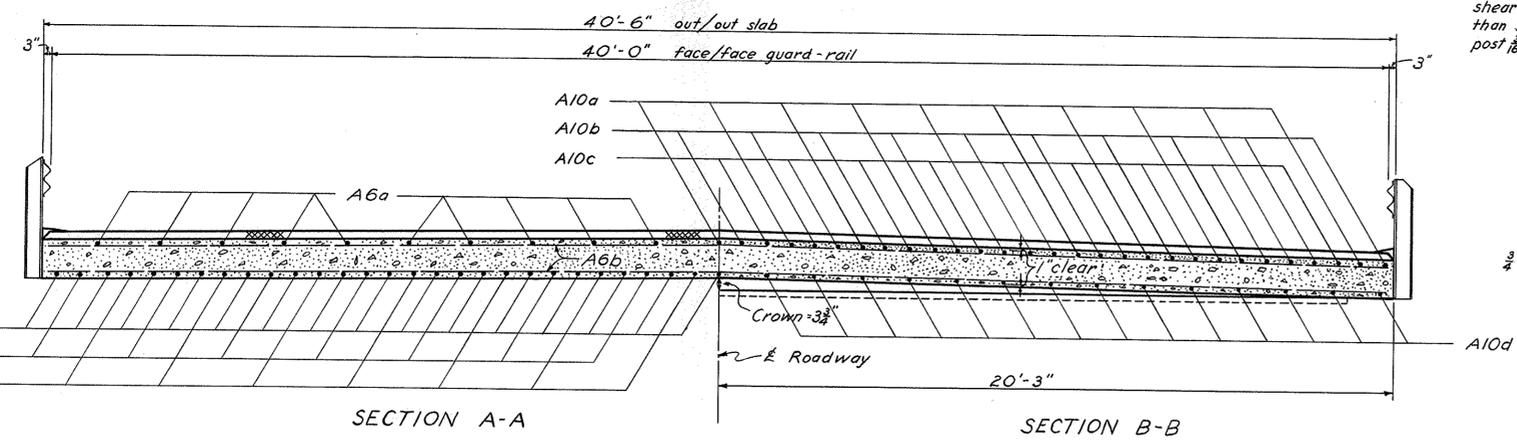
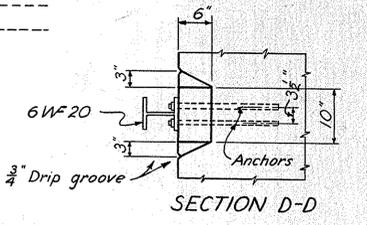
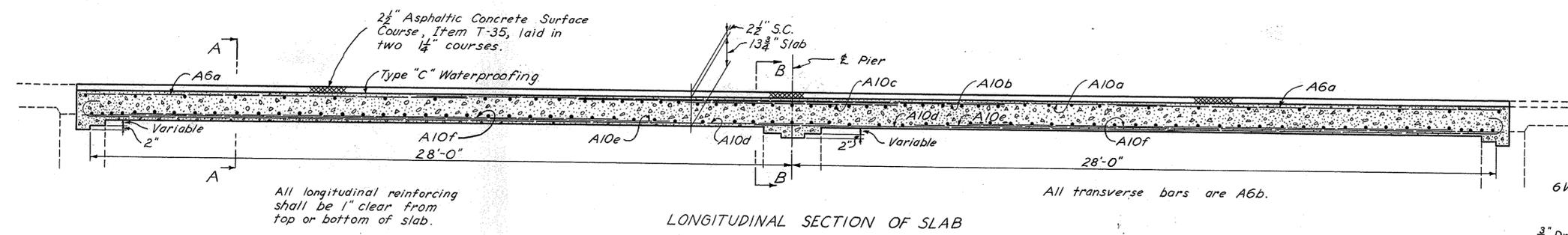
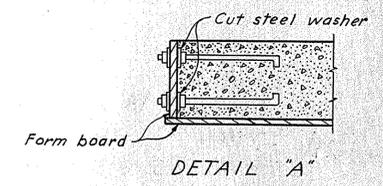
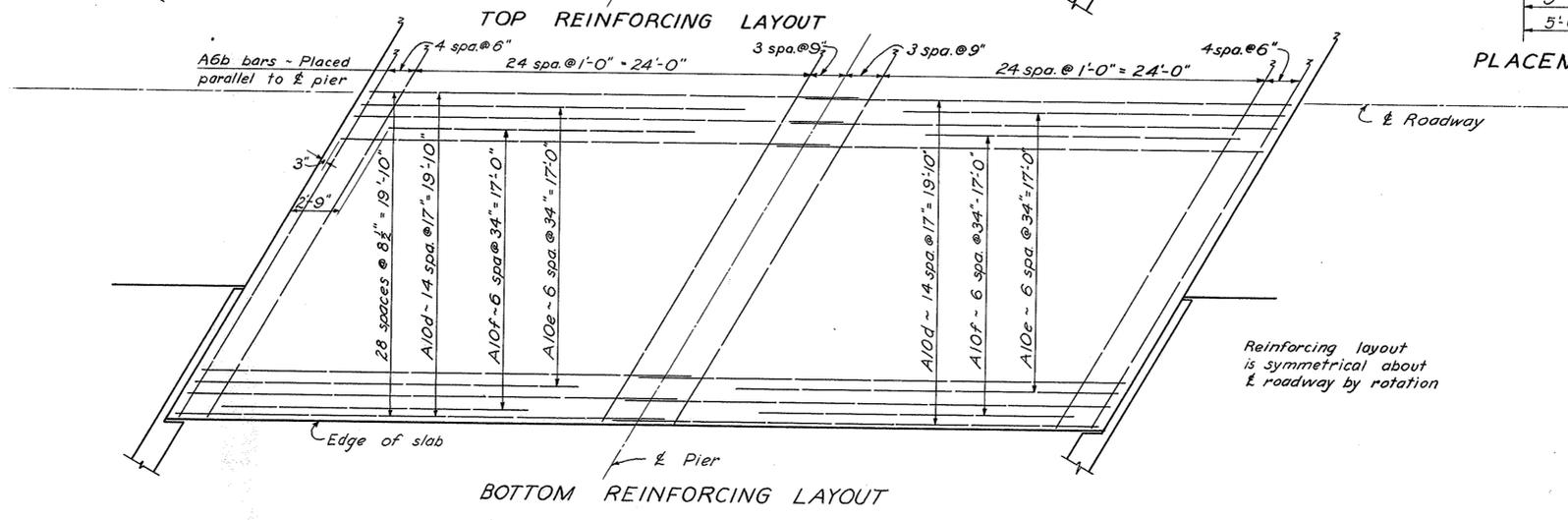
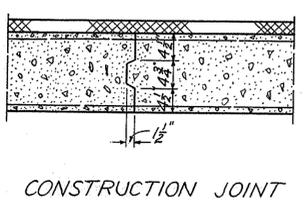
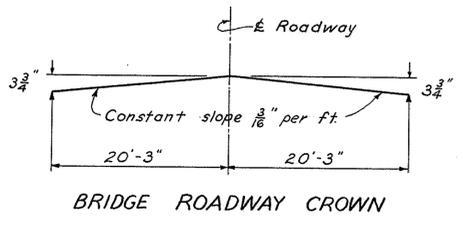
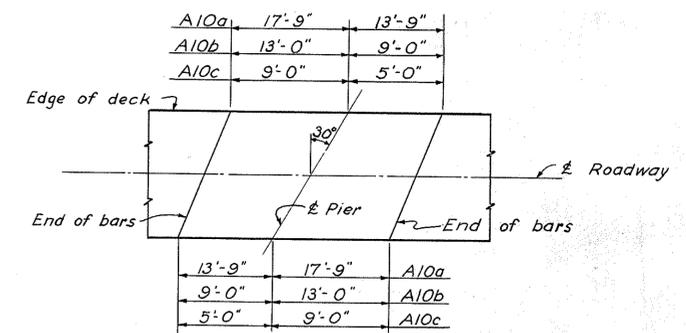
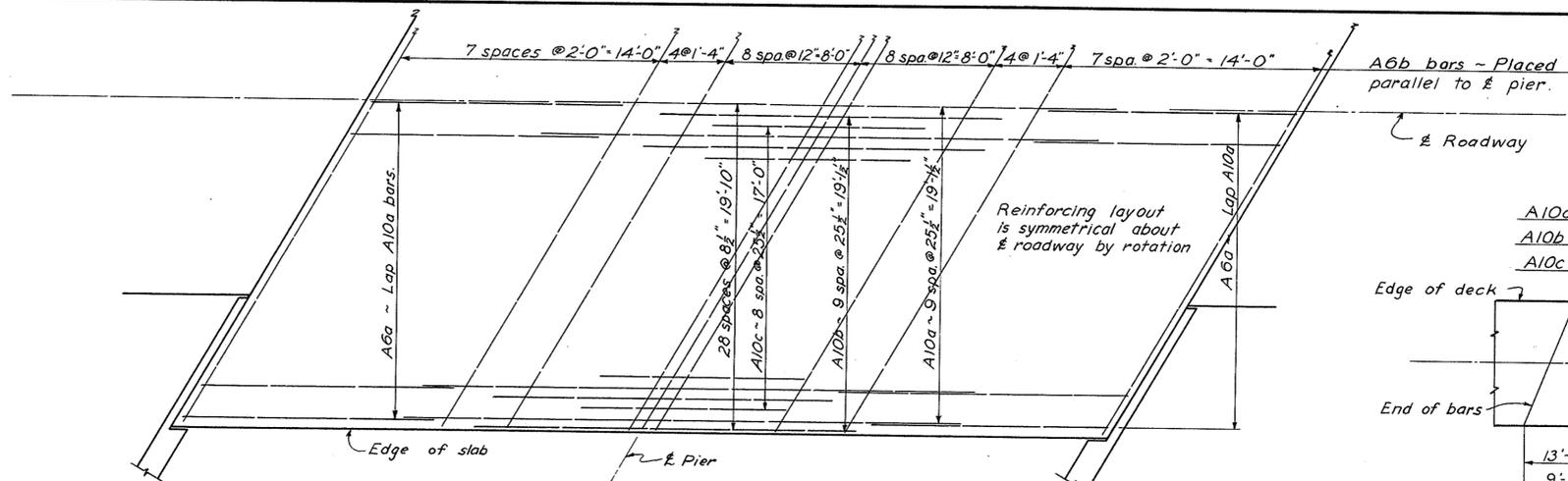
BRIDGE No. AS-84-260
OVER ASHTABULA CREEK
ASHTABULA COUNTY
SEC. ATB-84-26.00

STA. 8+53.00

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
R.G.	R.G.	J.D.J.	C.B.O.	B.F.G.	9-30-53	

A LONGITUDINAL CONSTRUCTION JOINT in slab will be permitted on center line of roadway

GUARD RAIL shall be Type I-15.13. Transition between rail height on bridge and on approaches shall be made in a distance of 100 ft. each end of bridge. Field paint for railing and posts shall be same color as railing on approaches. Tabulated quantity includes posts and railings between bridge limits.



STATE OF OHIO DEPARTMENT OF HIGHWAYS BUREAU OF BRIDGES AND RAILROAD CROSSINGS						
SUPERSTRUCTURE DETAILS BRIDGE NO. AS-84-260 OVER ASHTABULA CREEK ASHTABULA CO. SEC. ATB-84-26.00 STA. 8+53.00						
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
R.G.	R.G.	D.G.M.	BFG		9-30-53	