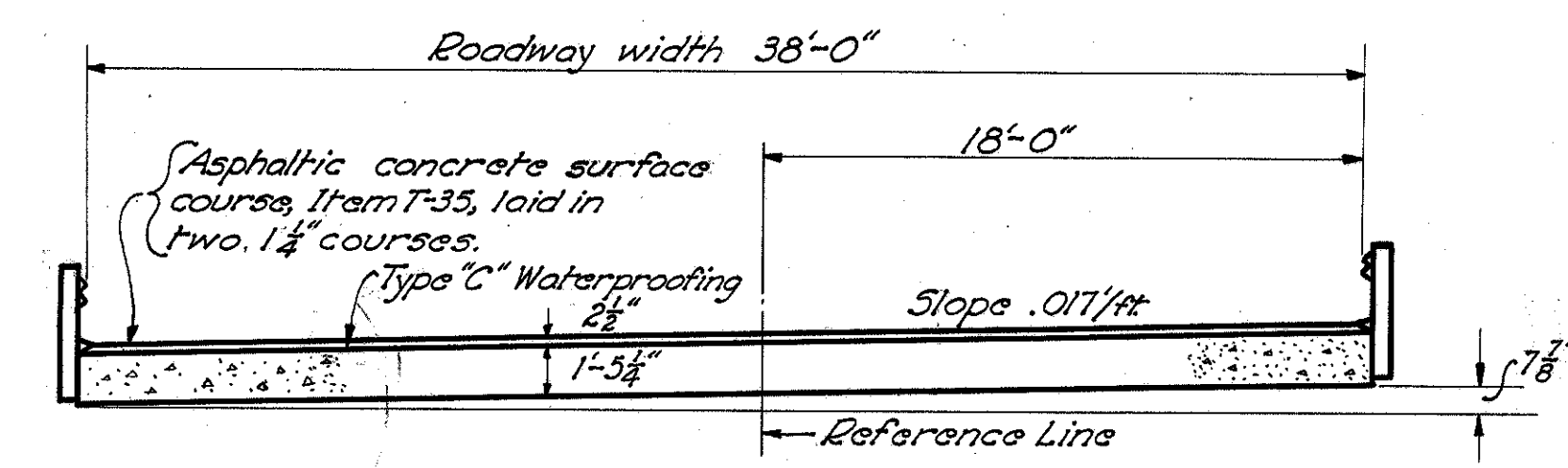
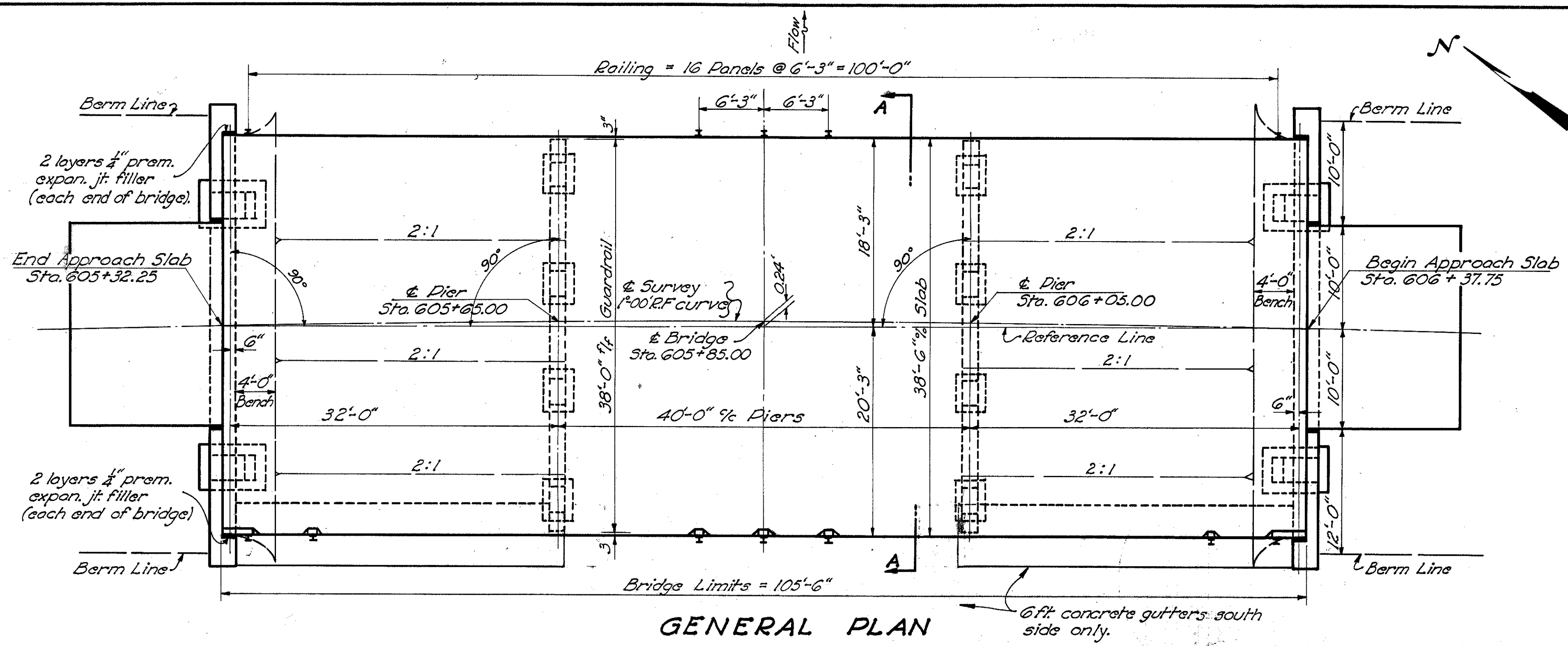


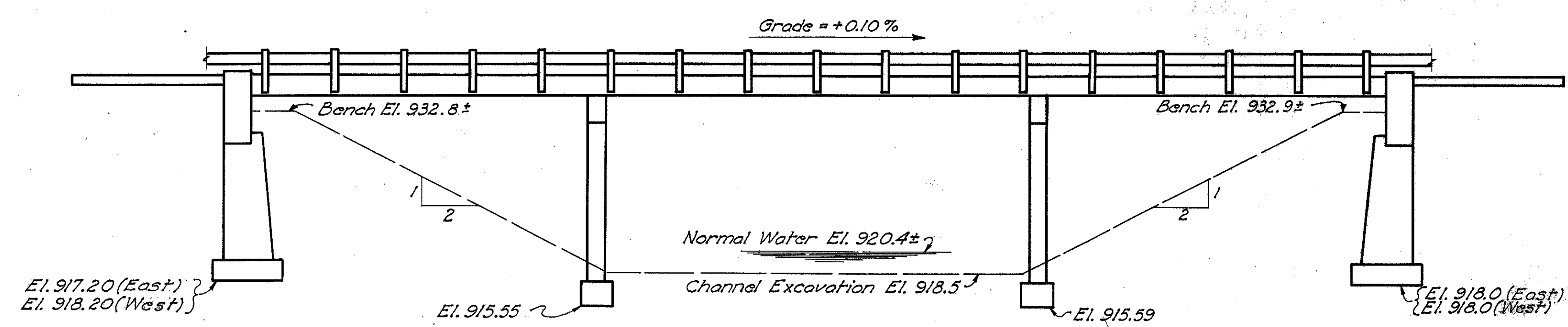
HIGHLAND COUNTY
HIG - 73 - 11.34



TYPICAL SECTION A-A
For additional details of superstructure see Standard Drawing C5-1-47.



NOTE: The bridge is built on a chord intersecting the curve at the bridge limits.



GENERAL ELEVATION

GENERAL NOTES

- REFERENCE shall be made to Standard Drawing C5-1-47, revised 1-20-48.
- REMOVAL OF EXISTING BRIDGE: When no longer needed to maintain traffic the existing structure shall be removed. The 24" I-beams shall be piled at the site for disposal by the State's forces. The remainder of the removed materials shall become the property of the Contractor. The substructure shall be removed to the elevations shown on the Site Plan. Suitable waste masonry may be used as riprap or disposed of as bank protection as directed by the Engineer.
- EXCAVATION quantity includes the removal of fill material between top of earth bench and bottom of abutment crossbeam.
- FOOTINGS shall extend a minimum of 3" into solid rock or to elevations 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 5-1.
- CONCRETE GUTTERS shall be 6 ft. wide and 6 in. thick, and shall be depressed 6 in. at the center. They shall extend from face of abutment down to Elev. 918.5 and shall be centered under edge of deck. Reinforcing bars 3/4" @ 1'-6" centers, both directions, included in price per lin. ft.
- CUT-OFF WALLS shall be constructed at toe of concrete gutters and shall be continuous with riprap cut-off walls. For details see Sheet No. 26.
Cut-off walls shall be paid for as noted on Sheet No. 3.

ESTIMATED QUANTITIES						
ITEM	TOTAL	UNIT	DESCRIPTION	SUPERST.	ABUT.	PIERS GENERAL
E-2	Lump	Sum	Cofferdams, cribs and sheeting.			Lump
E-2	104	Cu.Yd.	Unclassified excavation.		92	12
E-2	13	Cu.Yd.	Rock excavation.		3	10
E-3	17,033	Cu.Yd.	Channel excavation.			17,033
S-1	217	Cu.Yd.	Class "C" concrete, superstructure.	217		
S-1	27	Cu.Yd.	Class "C" concrete, piers above footings.			27
S-1	62	Cu.Yd.	Class "E" concrete, abutments above footings.		62	
S-1	16	Cu.Yd.	Class "E" concrete, footings.		9	7
S-3	452	Sq.Yd.	Type "C" waterproofing.	452		
S-4	60,378	Lbs.	Reinforcing steel.	48,405	6652	5187 134
S-9	15	Sq.Ft.	1/2" premolded expansion joint filler.		15	
S-14	211	Lin.Ft.	Rolling (Type 14.13 with steel posts).	211		
S-24	Lump	Sum	Removal of existing structure.			Lump
I-10	436	Sq.Yd.	Type "A" riprap.			436
I-14	73	Lin.Ft.	Concrete gutter.			73
T-35	31	Cu.Yd.	Asphaltic concrete surface course, Type "A" or "C" (70-80) or (85-100)	31		

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

**GENERAL PLAN & ELEVATION
NOTES, ESTIMATED QUANTITIES
BRIDGE NO. HI-73-114
OVER ROCKY FORK**

HIGHLAND COUNTY
Sec. HIG - 73 - 11.34

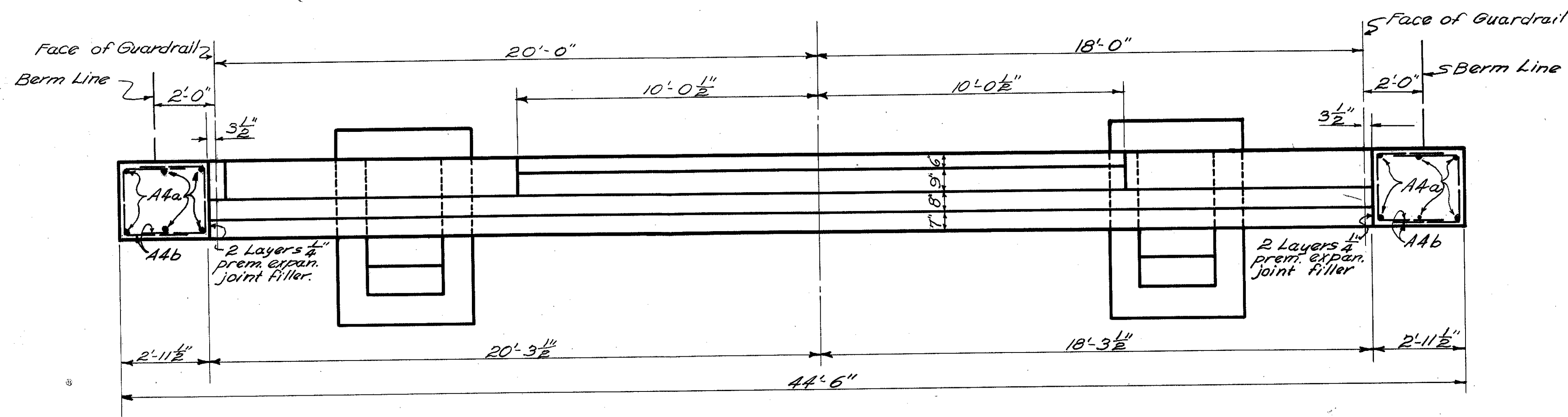
Sta. 605 + 85.00

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
EBP	EBP	GPH	640	WPK	7-10-51	8-2-57
EG	EG		HVL			

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO	5-553(5)	POST WAR

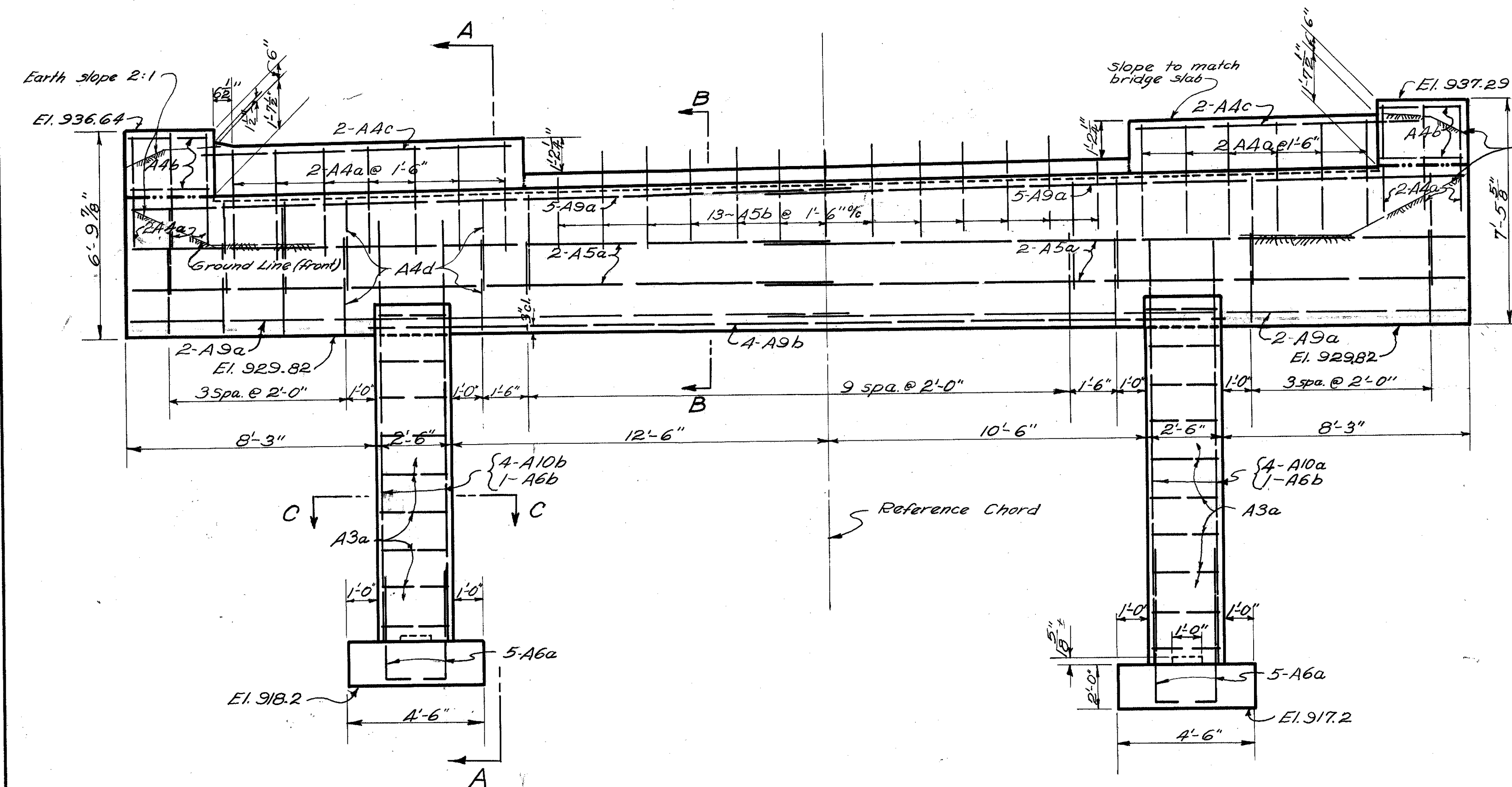
25
31

HIGHLAND COUNTY
HIG - 73-11.34

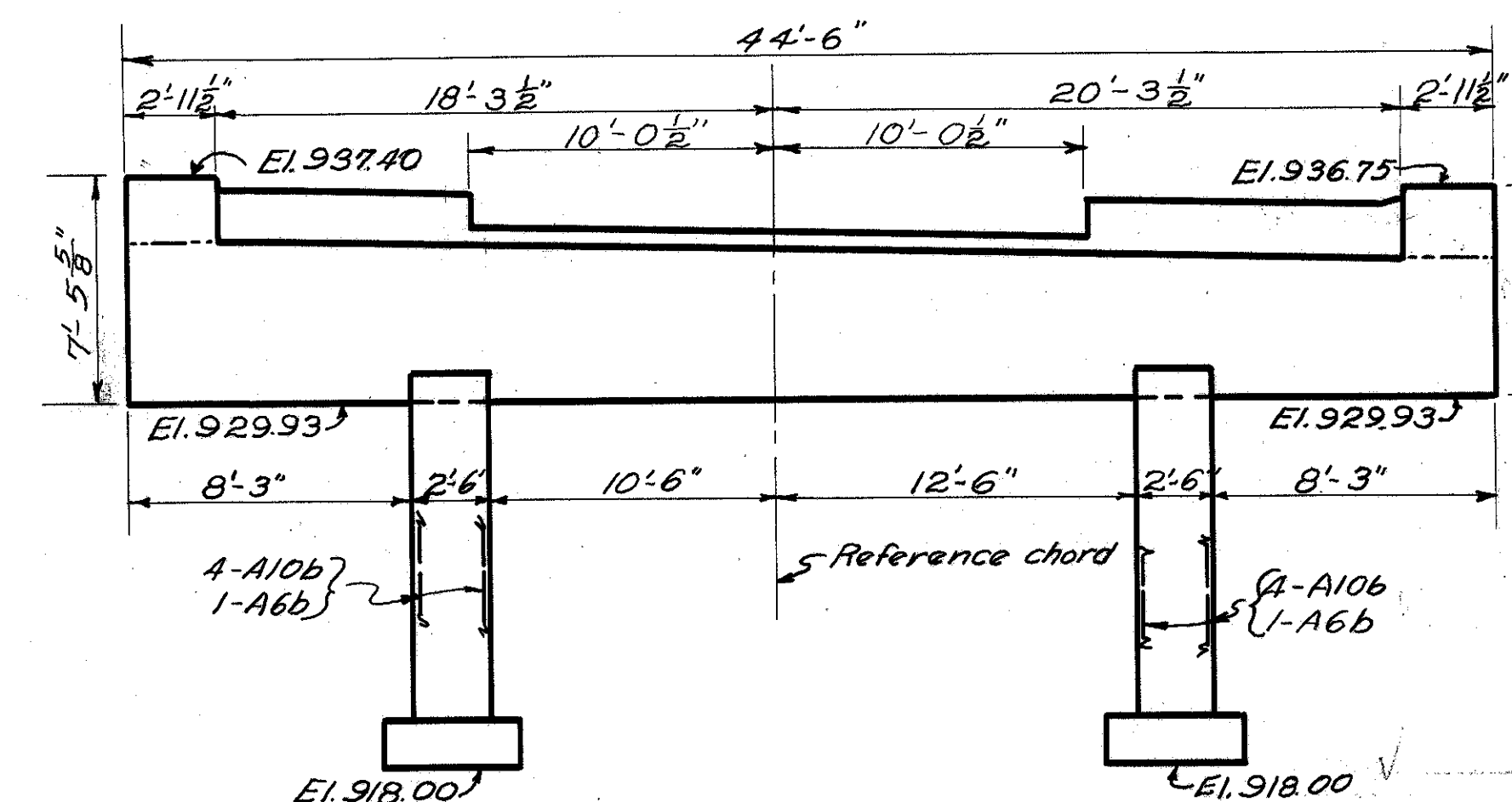


PLAN OF NORTH ABUTMENT

NOTE: All reinforcement to be 2" clear from face of concrete except as shown.

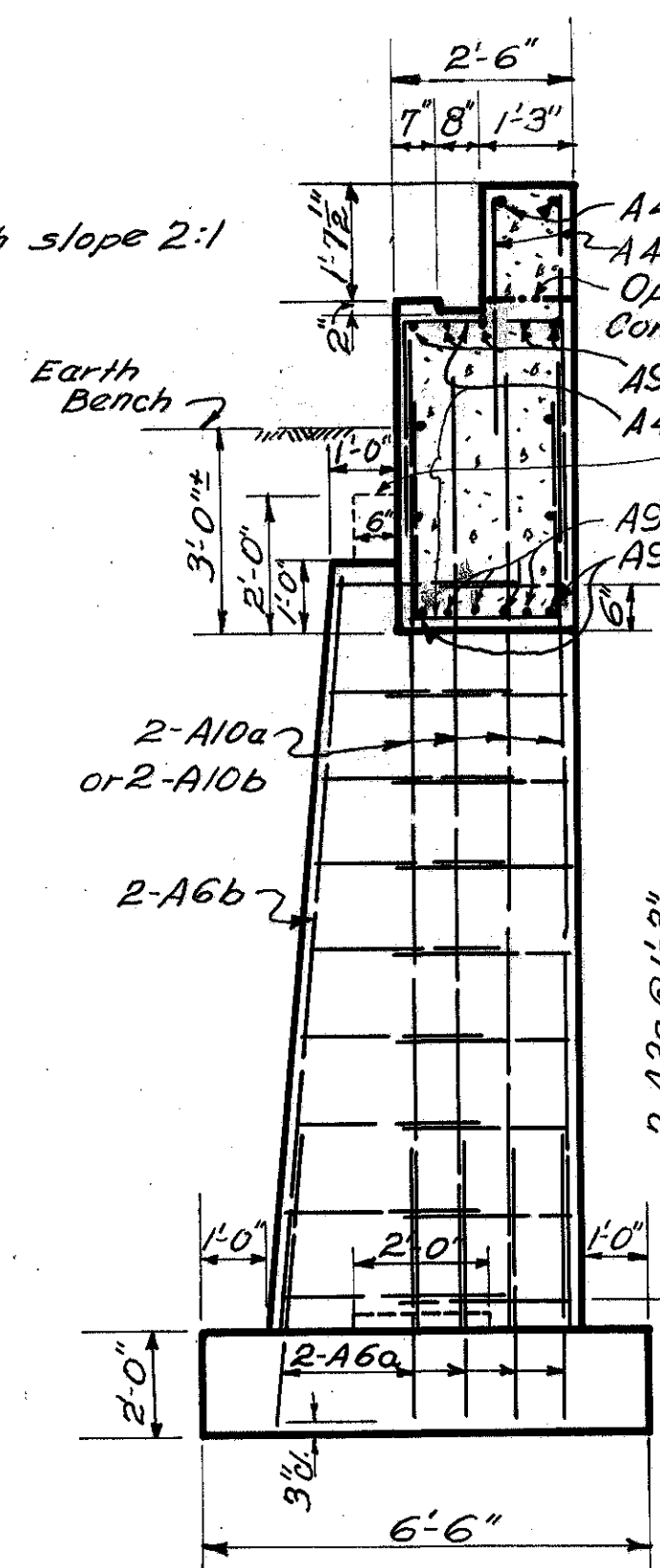


ELEVATION OF NORTH ABUTMENT

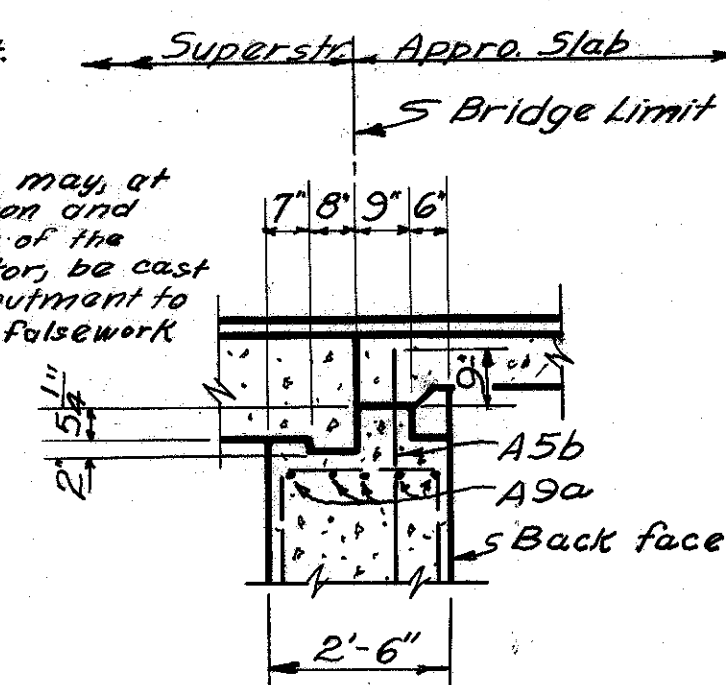


SOUTH ABUTMENT

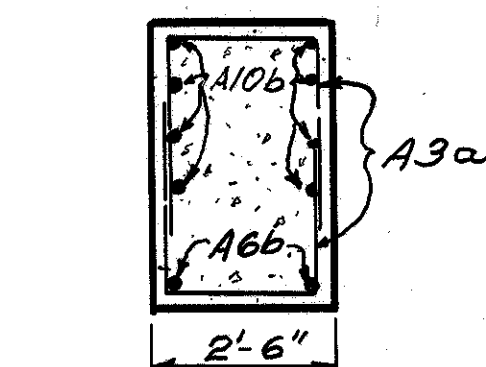
Details same as for North Abutment except as shown.



SECTION A-A



SECTION B-B



SECTION C-C

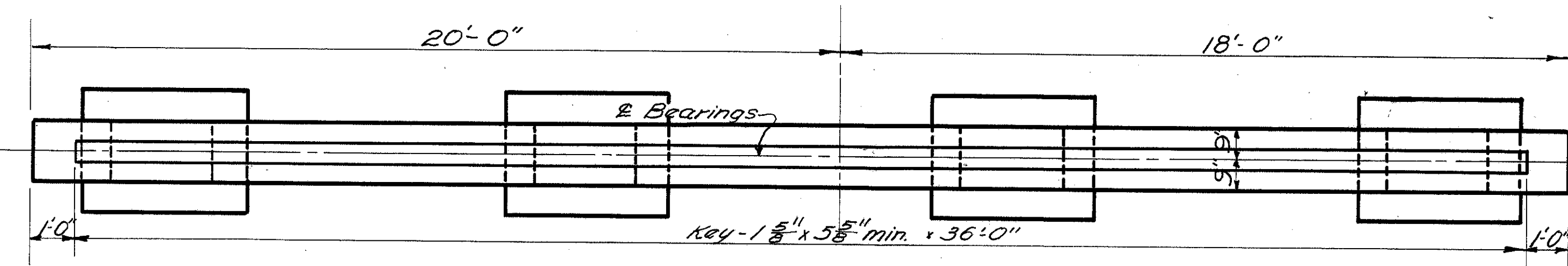
NOTE: After pedestals are placed, earth fill shall be made full height of earth bench and excavation made for cross-beam. If bottom forms for cross-beams are used, they shall be left in place.

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
EBP	EBP	RV	WHL	WHL	1-20-51	

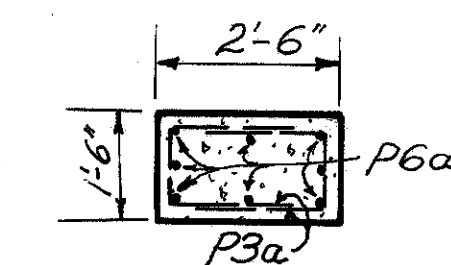
ABUTMENT DETAILS
BRIDGE NO. HI-73-114
OVER ROCKY FORK

HIGHLAND COUNTY
SEC. HIG - 73-11.34 Sta. 605+85.00

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
EBP	EBP	RV	WHL	WHL	1-20-51	

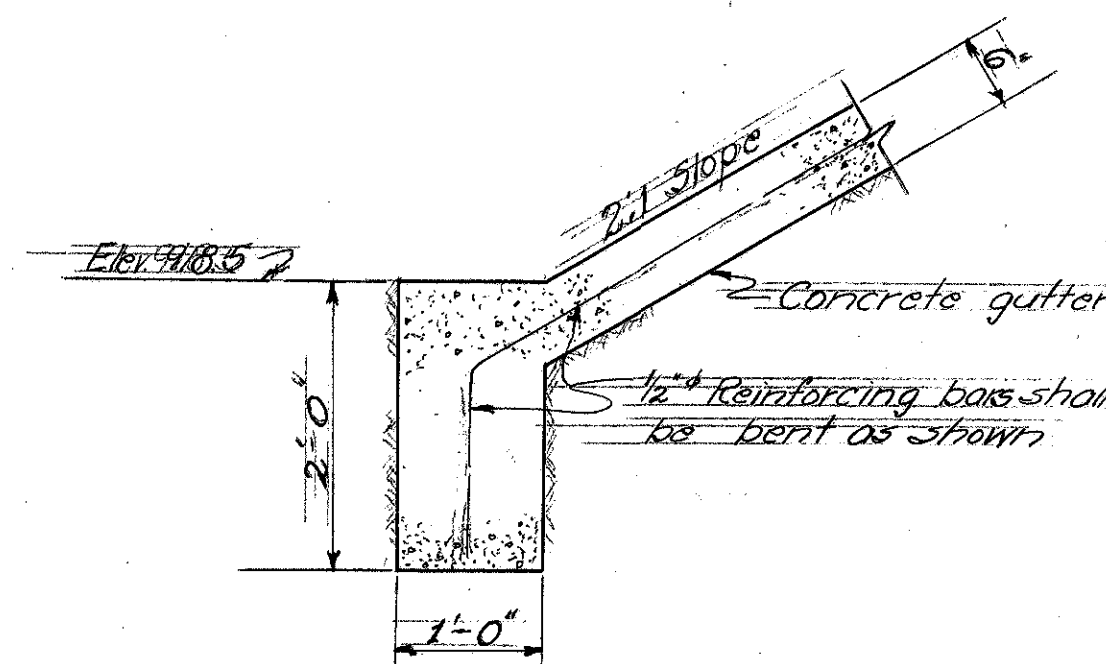


PLAN

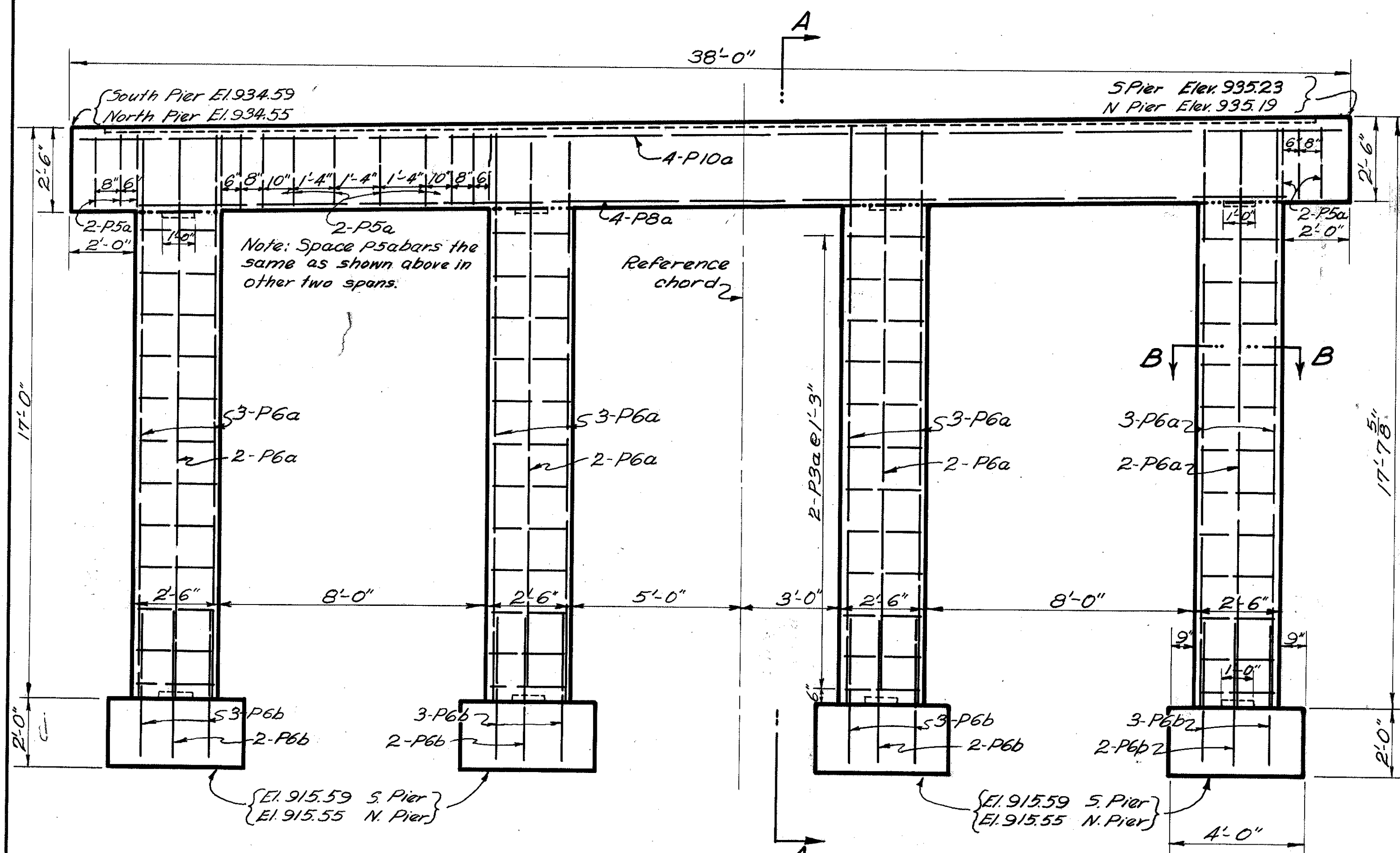


SECTION B-B

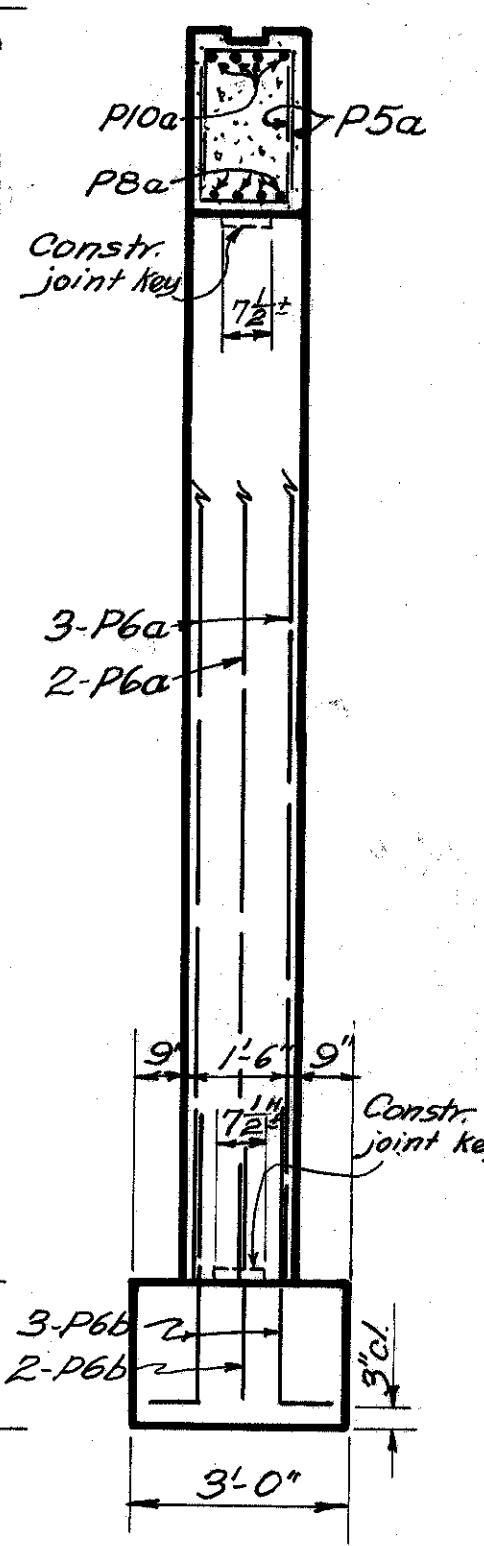
All reinforcement to be 2" clear from face of concrete except as shown.



CUT-OFF WALL DETAIL



ELEVATION



SECTION A-A

Mark	Size	No.	Length	Weight	Shp.	Bending Diagram
Superstructure						
A	1 1/2"	93	37'-6"	15006	St.	
B	1 1/2"	30	27'-6"	3550	Bt.	
C	1 1/2"	30	24'-3"	3130	Bt.	
D	1 1/2"	15	24'-0"	1549	St.	
E	1 1/2"	15	19'-3"	1242	St.	
F	1 1/2"	76	24'-3"	7930	St.	
G	1 1/2"	38	12'-0"	1962	St.	
H	1 1/2"	36	7'-9"	1201	St.	
J	3/4"	40	23'-0"	1382	St.	
K	3/4"	20	20'-3"	608	St.	
L	3/4"	123	38'-0"	7021	St.	
M	3/4"	67	38'-0"	3824	St.	

NOTE: The bar size designations shown above do not correspond with the size designations given in the January 1, 1951 edition of the Construction and Material Specifications.

REINFORCING STEEL LIST

Mark	No.	Length	Weight	Shp.	Bending Diagram
Pier					
P10a	8	37'-6"	1291	St.	
P8a	8	34'-0"	726	St.	
P6a	64	16'-10"	1618	St.	
P6b	64	5'-1"	489	Bt.	
P5a	144	4'-1"	738	Bt.	
P3a	192	4'-6"	325	Bt.	
Abutment					
A10a	8	14'-5"	496	S	
A10b	24	13'-8"	1411	S	
Replacement Bars					
RE10	2	7'-9"	67		
RE9	1	7'-4"	25		
RE8	1	7'-4"	20		
RE6	1	6'-6"	10		
RE5	1	6'-1"	6		
RE4	1	5'-8"	4		
RE3	1	5'-3"	2		

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