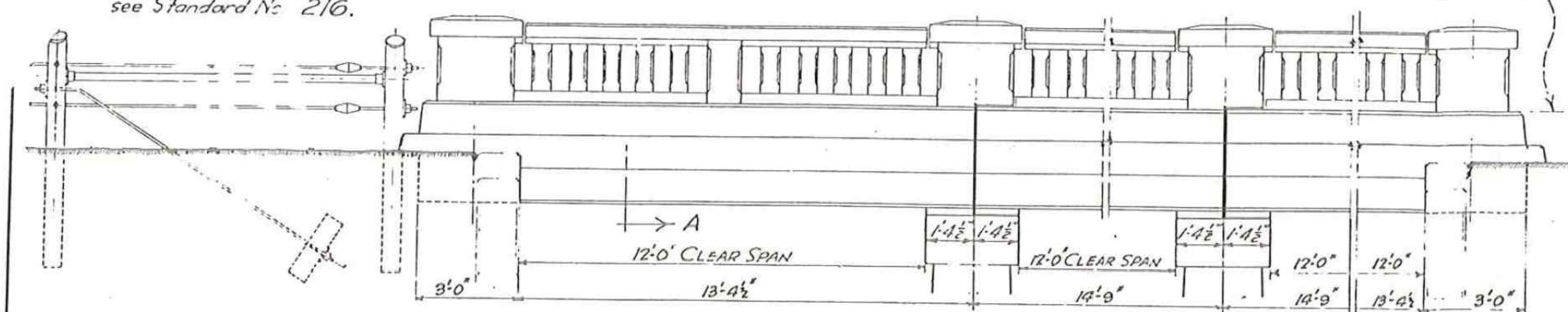


11 of 12

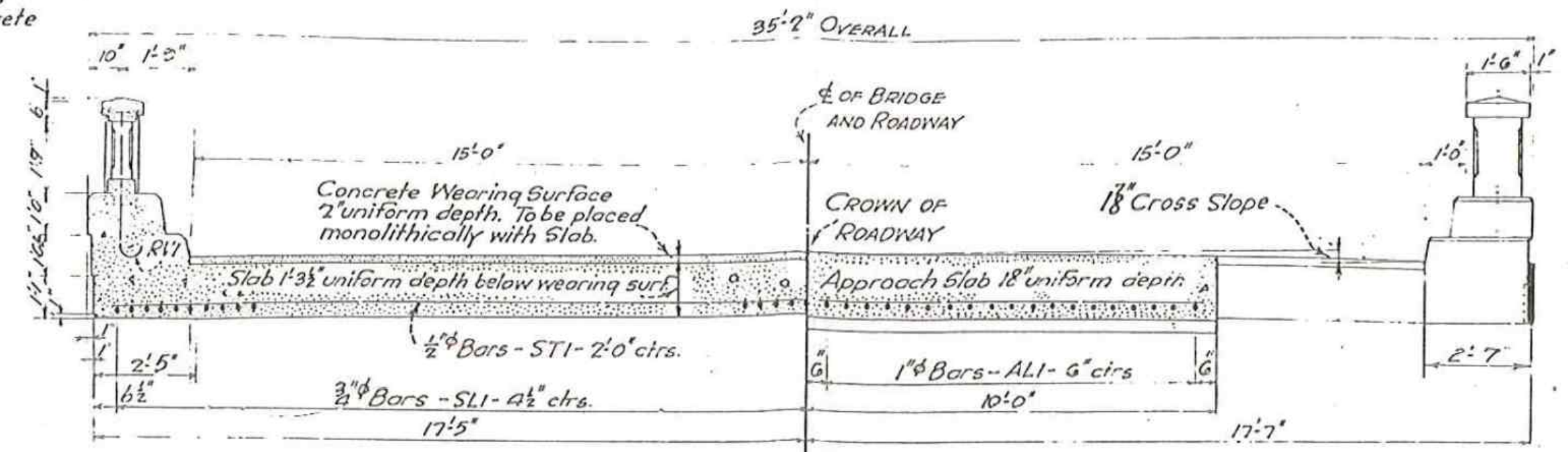
FED. ROAD DIST. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
9	CONN.						

details of Wire Rope
Biling and Anchorage
see Standard No. 216.

Construction above this
line is classed as Concrete
Bridge Railing

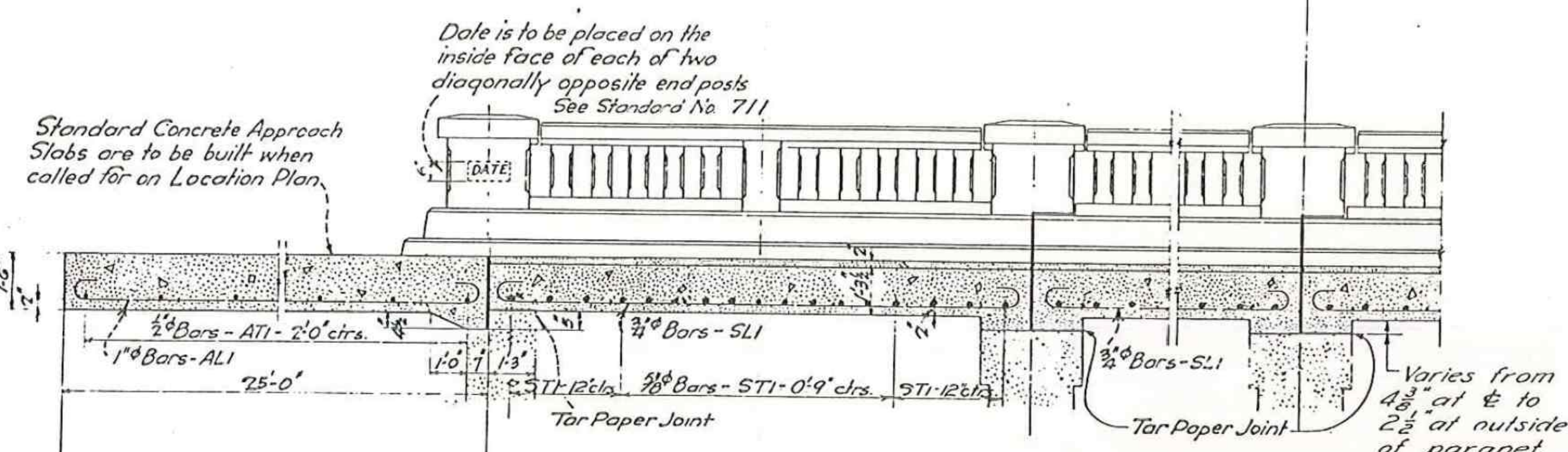


ELEVATION

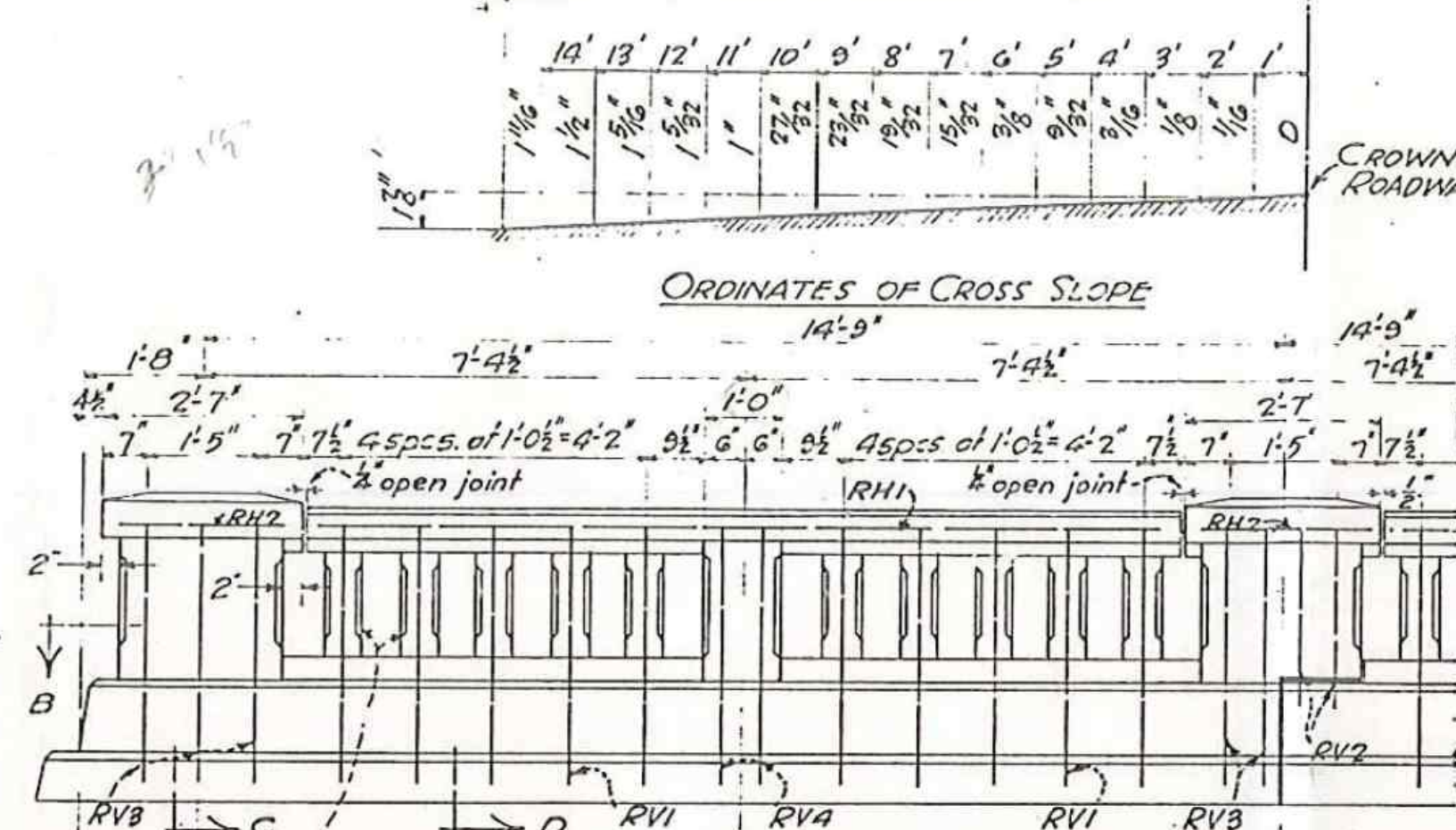


HALF SECTION A-A

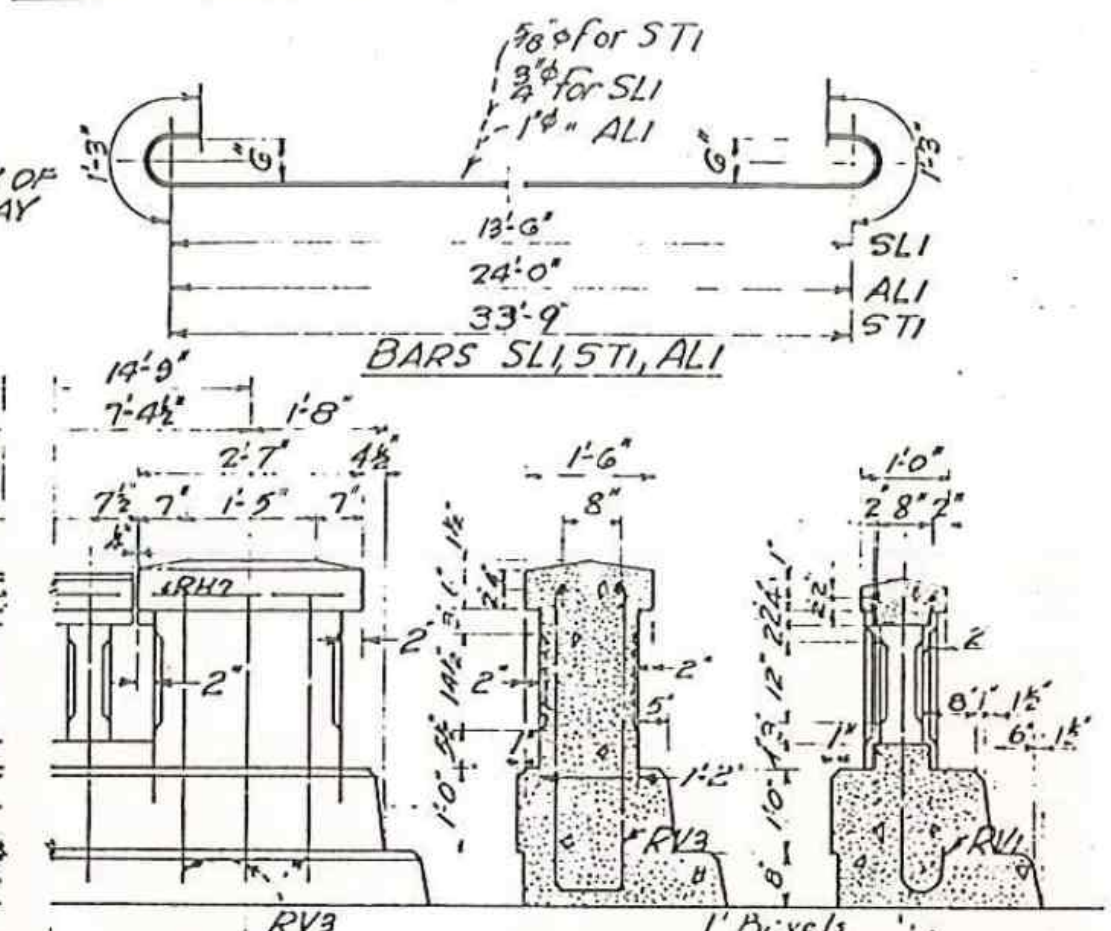
HALF REAR VIEW



LONGITUDINAL SECTION ON CENTER LINE

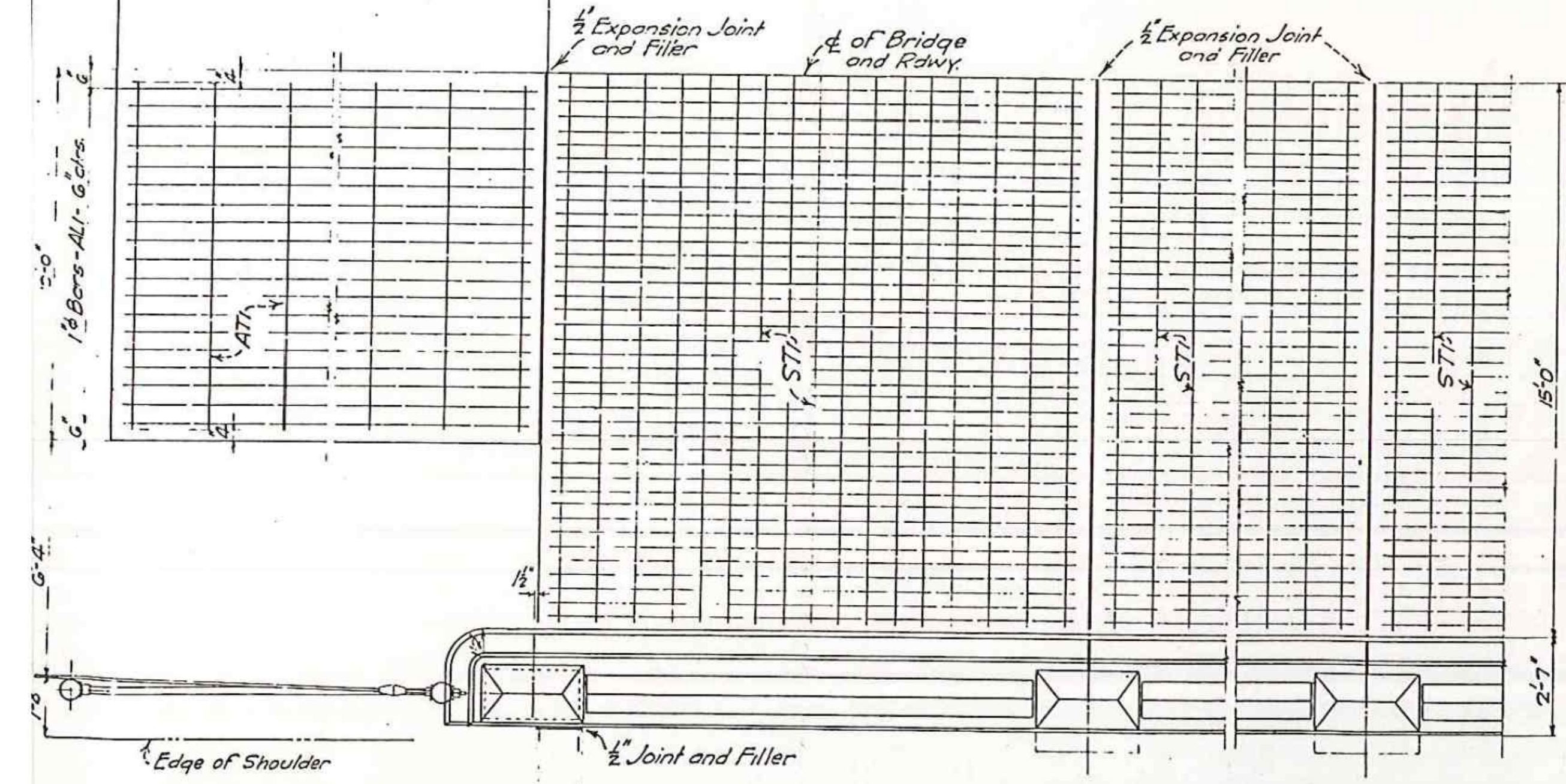


ORDINATES OF CROSS SLOPE

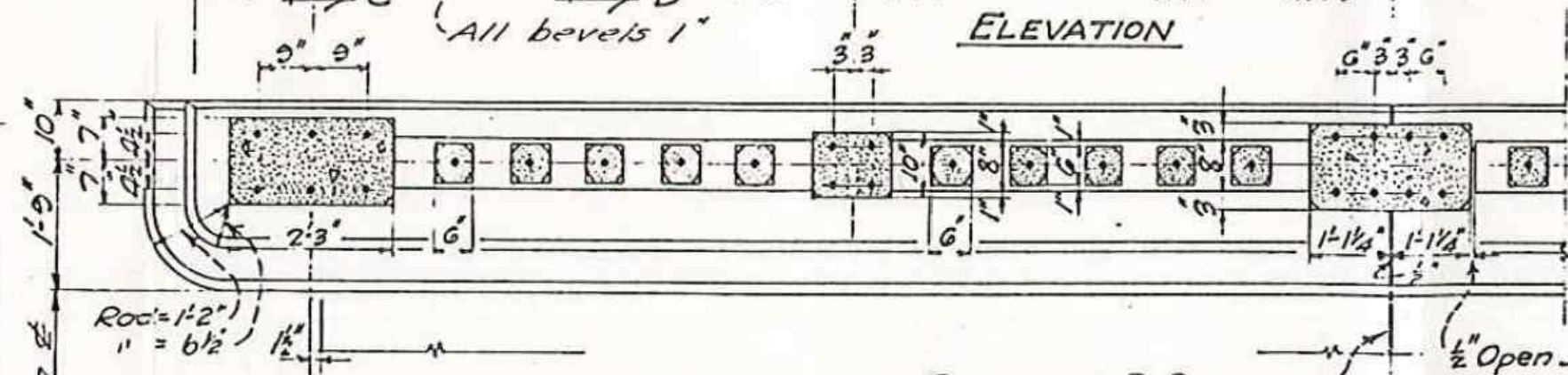


SECTION C-C

SECTION D-D



PART PLAN



SECTION B-B
RAILING DETAILS

LIST OF QUANTITIES				
TWO 25 FT APPROACH SLABS				
Reinforcing Steel				
No.	Bar Size	Length	Weight	
38	ALI 1"	26'-6"	2719	
26	ATI 1/2"	9'-4"	165	

Total Reinforcing Steel 2884 lb.
Class 'A' Concrete 28.1 cy.

LIST OF QUANTITIES FOR VARIOUS LENGTHS				
A	B	C	Reinforcing Steel	
No.	No.	No.	Bar Size	Length
91	182	91	SLI 3/4"	16'-0"
17	34	17	STI 7/8"	36'-3"
20	40	20	RV1 1/2"	4'-6"
		8	RV2 "	2'-3"
		11	RV3 "	7'-0"
		4	RV4 "	7'-6"
		4	RH1 "	11'-6"
		8	RH2 "	2'-3"

Total Reinforcing Steel	lb.	3054	6072	3018
Class 'A' Concrete	cy.	28.8	56.5	27.7
Concrete Bridge Railing	lf.	35.0	64.5	29.5
Concrete Wearing Surface	sf	49	97	49

Specifications - Connecticut State Highway Department.
Live Load - Two typical 20 Ton Trucks
Impact Allowance - 30%
Class 'A' (1-2-A) Concrete is to be used for Slabs and Curbs.
Class 'C' (1-2-B) Concrete is to be used for Concrete Bridge Railing.
Use 1-1/2" Concrete for Concrete Wearing Surface.
Reinforcing Steel is to consist of deformed bars of an approved type.

Bars not detailed are straight bars.
The quantities shown in the list in the columns headed 'A' are for One 12 ft. Span on two abutments.
The quantities in the columns headed 'B' are for a Slab Bridge consisting of Two 12 ft. Spans.
The quantities in the columns headed 'C' are for One Intermediate 12 ft. Span.
For Slab Bridges of various multiples of 12 ft. Spans, appropriate combinations of the quantities listed may be used.
All quantities shown hereon are exclusive of Abutments and Piers.

BRIDGE
BARS RV3
BARS RV4
BARS RV1
02599

CONNECTICUT
STATE HIGHWAY DEPARTMENT
**STANDARD
REINFORCED CONCRETE
SLAB BRIDGE
12 FT. SPAN**

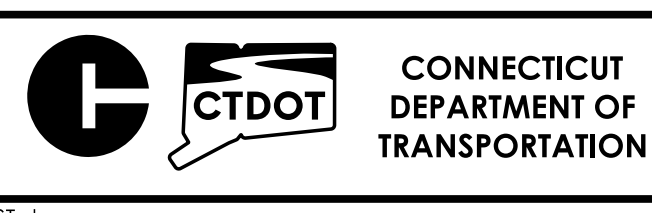
MADE BY	HEO	DATE	9/2/31	NUMBER	
CHECKED BY	L. B. P.	DATE	8/29/31	SHEET NO.	
APPROVED	L. B. P.	DATE	8/29/31	OF	

STANDARD No. 512

FOR INFORMATION ONLY

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:
DESIGNER/DRAFTER: EAP
CHECKED BY: DMK
LASTED SAVED BY: eprout
FILE NAME: M:\DDE\Worksets\CTDOT\0068-0217\Bridge\Contract_Plans\RO_MSH_0068_0217_Exist.dgn
PLOTTED DATE: 5/20/2026



PROJECT TITLE:
**REPLACEMENT OF BRIDGE NO. 02599 ROUTE 101 OVER
ALVIA CHASE RESERVOIR**

TOWN(S):
KILLINGLY

DRAWING TITLE:
**EXISTING BRIDGE NO.
02599 REINFORCED
CONCRETE SLAB BRIDGE**

PROJECT NO.:
0068-0217
DRAWING NO.:
FIOS-02
SHEET NO.:
11 OF 12