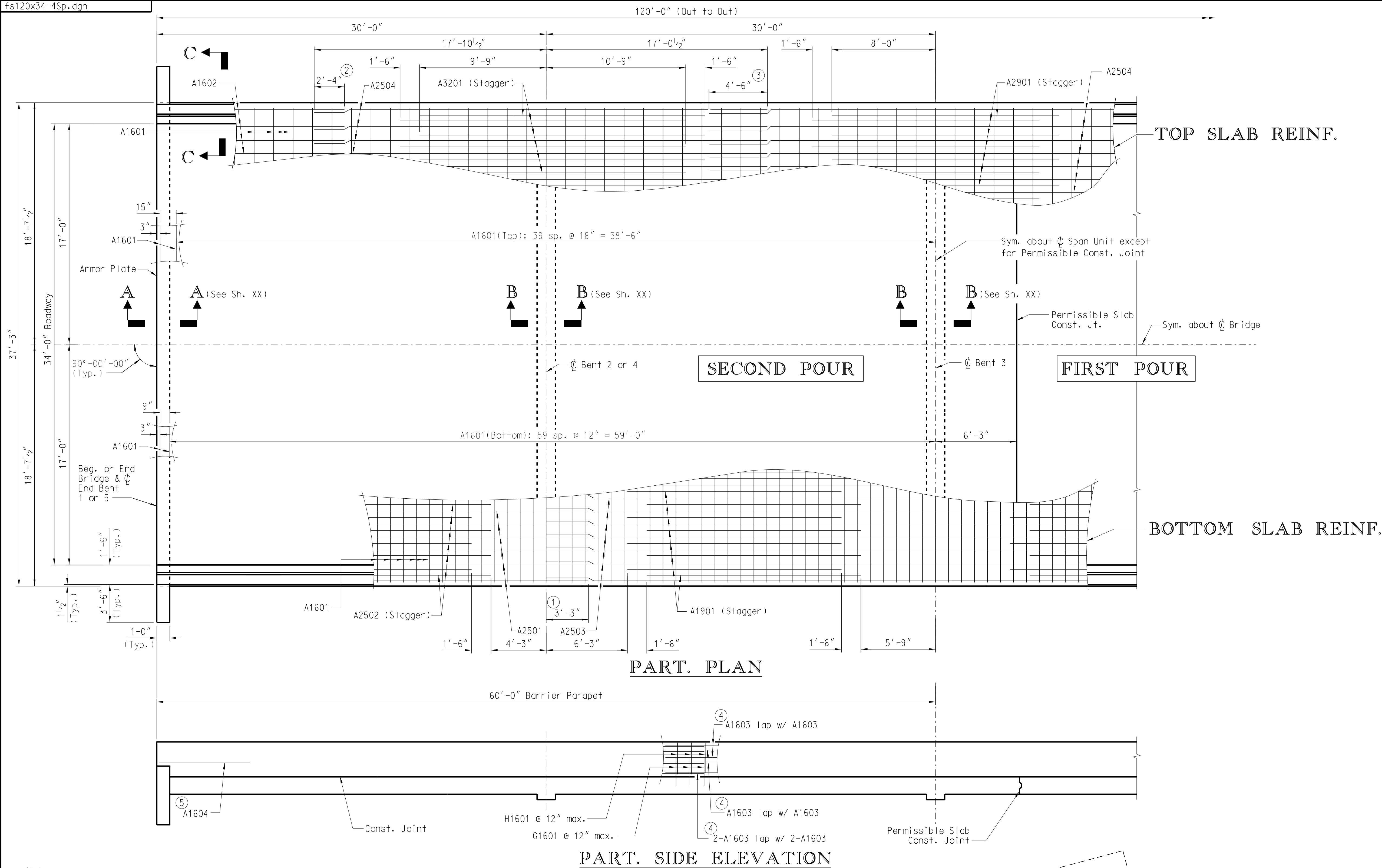


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fs120x34-4Sp.dgn



Notes:

Cast the 120' continuous unit in one pour from one end of span to the other using a suitable screed. Use an approved retarding agent and establish and maintain a minimum pouring rate of 50 CY per hour unless approved otherwise by the RCE.

If a pouring rate of 50 CY per hour is not possible, cast the 120' continuous unit using the permissible construction joint shown.

Do not remove slab falsework until the entire 120' span unit has been poured and cured according to Section 702 of the Standard Specifications.

Cast parapet concrete after slab falsework has been struck.

For Section thru Slab and Slab Drain Details, see Sh. XX.

For Slab Drain Locations, see Sh. XX.

For Reinforcing Bending Details, see Sh. XX.

- ① Splice A2501 & A2503 bars 3'-3" min.
- ② Splice A1602 & A2504 bars 2'-4" min.
- ③ Splice A2504 & A2504 bars 4'-6" min.
- ④ 3'-0" min. Splice

Detail the A1604 bars 7'-0" in length. Only A1604 bar shown for clarity.

Note to Designer:

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Dimensions shown are calculated for bridges with normal crown and SE= 0.0208 ft./ft. Designer to revise dimensions for different geometry.

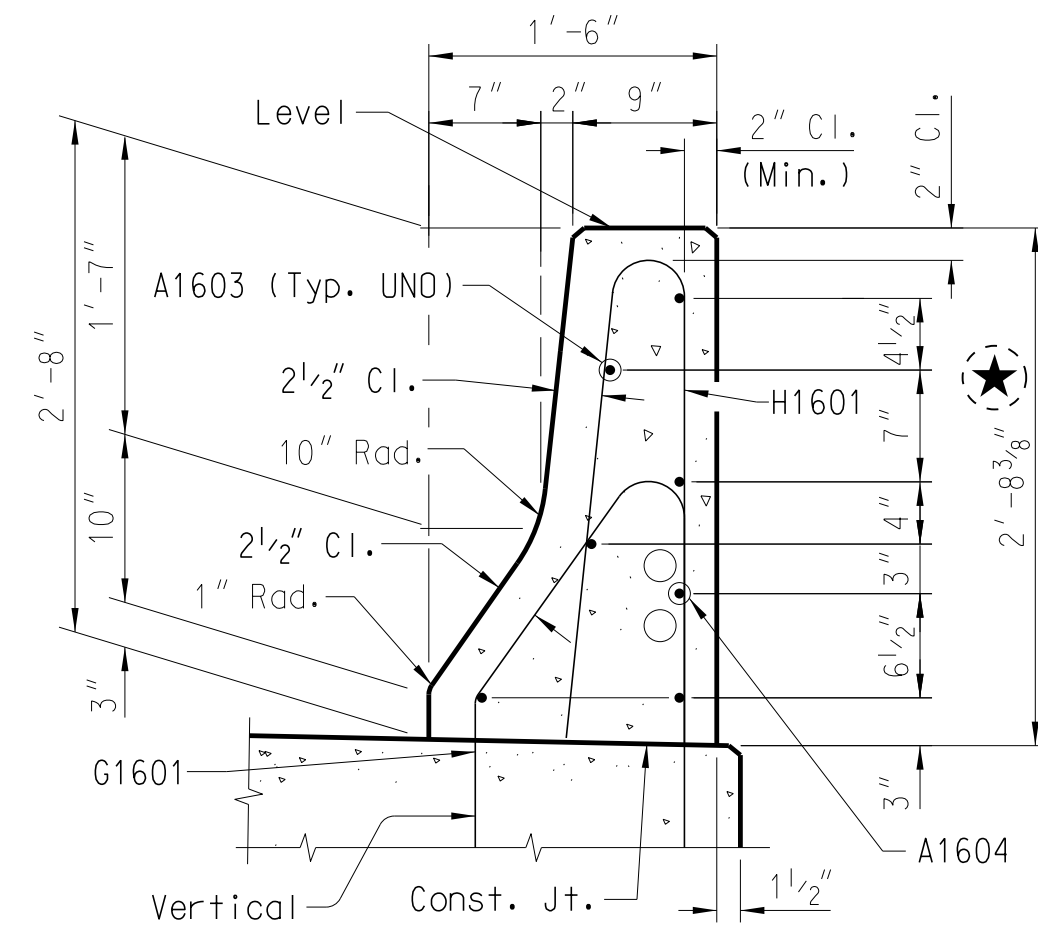
REINF. STEEL SCHED.

MARK	NO. REQ'D	DIMENSION				LENGTH
		"a"	"b"	"c"	"d"	
A1301	10	20'-2"				20'-2"
A1302	24	2'-8"				2'-8"
A1303	24	4'-9"				4'-9"
A1601	202	36'-11"				36'-11"
A1602	74	14'-4"				14'-4"
A1603	36	41'-11"				41'-11"
A1604	4	7'-0"				7'-0"
A1901	76	16'-6"				16'-6"
A2501	74	33'-1"				33'-1"
A2502	76	24'-1"				24'-1"
A2503	37	60'-0"				60'-0"
A2504	111	34'-11"				34'-11"
A2901	38	17'-6"				17'-6"
A3201	76	22'-0"				22'-0"
G1601	242	1'-4 ³ / ₈ "	2'-3 ⁷ / ₈ "			6'-3"
H1601	242	2'-3 ⁷ / ₈ "	2'-3 ¹ / ₂ "	0'-7 ³ / ₈ "		5'-2"
J1301	42	0'-8"	1'-4"			3'-4"
J1302	63	1'-2"	1'-4"			3'-10"
J1303	16	0'-8"	4'-7"			9'-10"

SB	1" Ht.	As Necessary
CHCU	9" Ht.	As Necessary

QUANTITIES

ITEM	UNIT	120' SPAN
Concrete, Class 4000	CY	226.2
Reinforcing Steel	LB	53,021
Barrier Parapet	LF	240.0
Elastomeric Bearing Assembly (Flat Slab)	EA	5



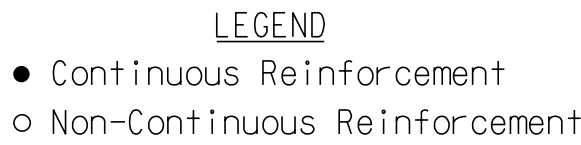
SECTION C-C
(Slab Reinforcing not Shown)

SOUTH CAROLINA
DEPARTMENT OF TRANSPORTATION

4 SPAN 120'-0" UNIT
SUPERSTRUCTURE
(34'-0" ROADWAY)

REV.			
REV.	PCW	MCCA	4-18
REV.	JXY	SAN	3-14
REV.			New Border
QUAN.	MRW	PNP	1-10
DR.	MRW	PNP	1-10
DES.	MRW	BMH	1-10
BY	CHK.	DATE	

COUNTY	XXXXXXX	ROUTE	XXXXXX
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Cast lower portion of wing walls monolithic with slab unless approved otherwise by RCE.

① Provide drain pipes that are 6" nominal diameter Schedule 40 PVC Pipe meeting the requirements of ASTM D 1785 or 6" nominal diameter fiberglass pipe meeting the requirements of ASTM D 2936. Cement at least two lugs, of a size suitable to anchor the pipe, to the portion of the pipe embedded in the concrete slab. Include all costs of furnishing and placing drains in the unit price bid for Concrete for Structures, Class 4000.

② 1/4" elastomeric bearing pad 60 Durometer hardness. Provide materials for elastomeric bearings that conform to Section 7. of the Standard Specifications. Provide a pad the same length and width of slab build-down. Place stock length pieces end to end provided that no individual piece is less than 6'-0" in length. Include all costs for furnishing and placing the pad in the unit price bid for Elastomeric Bearing Assembly (Flat Slab).

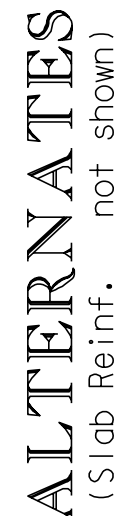
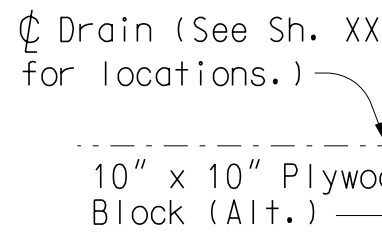
③ Provide 1/4" elastomeric bearing pad 60 Durometer hardness. Use materials for elastomeric bearings that conform to Section 7.02 of the Standard Specifications. Include all costs for furnishing and placing the pads in the unit price bid for Elastomeric Bearing Assembly (Flat Slab).

④ At C Bent.

⑤ Includes 1/4" elastomeric bearing pad.

⑥ 3 eq. sp. = $1' - 3\frac{1}{2}''$

(Deck Drains not Shown)



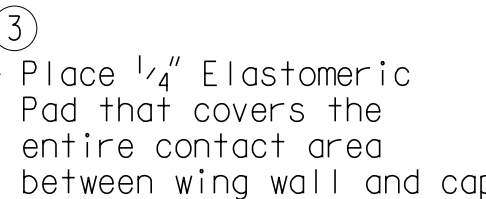
SECT. A-A
(At End Bents)

(At Interior Bents)

Note to Designer:

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REV.				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION			
REV.	PCW	MCCA	4-18				
REV.	MASH	Guardrail		4 SPAN 120'-0" UNIT SUPERSTRUCTURE DETAILS			
REV.	JXY	SAN	3-14				
	New Border						
REVIEWED							
QUAN.	MRW	PNP	1-10				
DR.	MRW	PNP	1-10				
DES.	MRW	BMH	1-10				
BY	CHK.	DATE		COUNTY XXXXXXXX			ROUTE XXXXXX