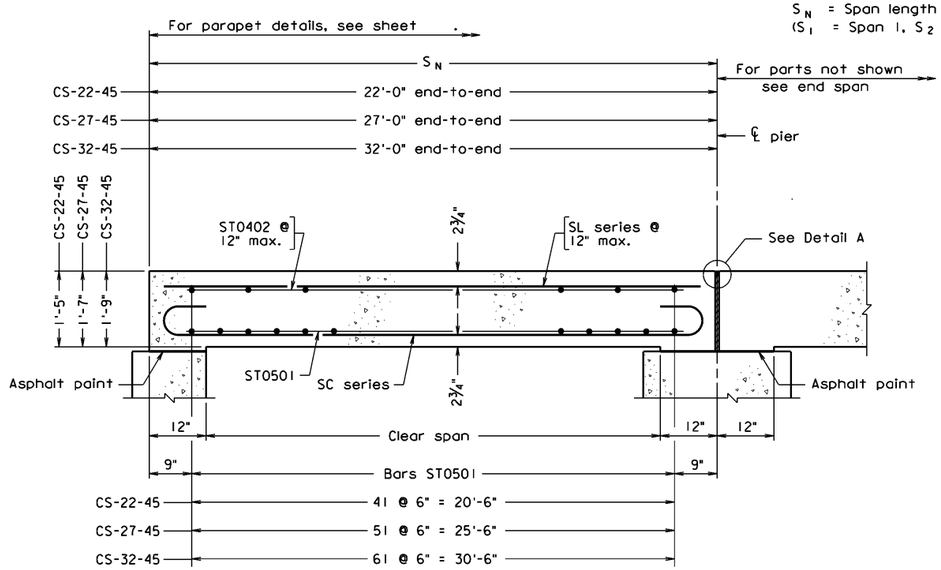
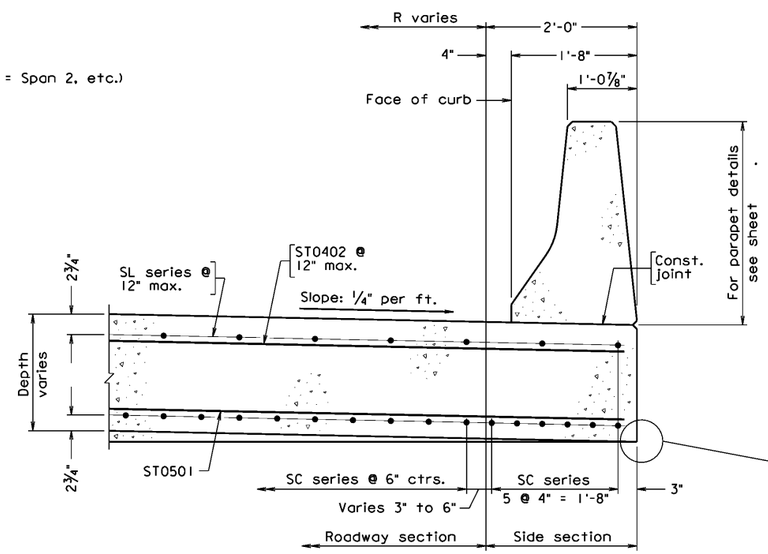
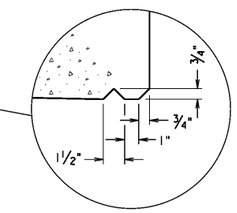
STATE	FEDERAL AID ROUTE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
VA.	—				



LONGITUDINAL SECTION



PART TRANSVERSE SECTION

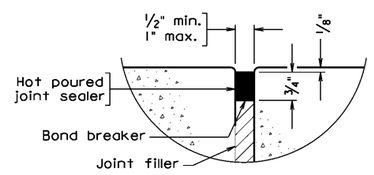


DRIP DETAIL

Notes:

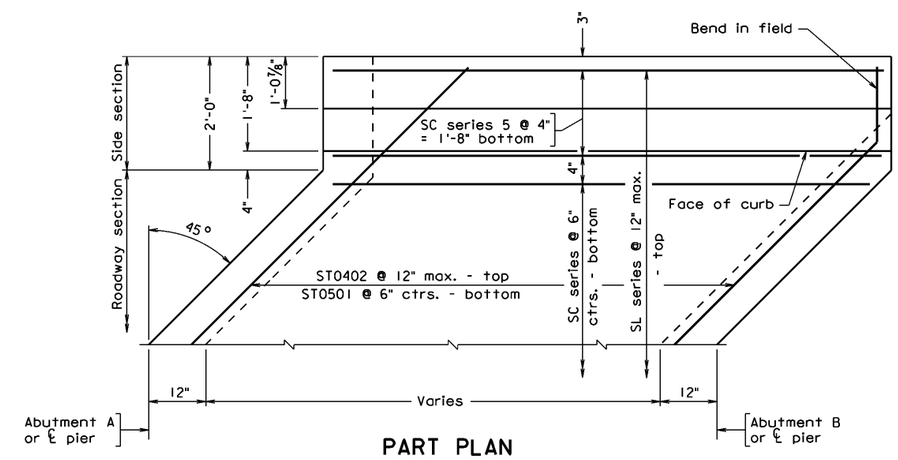
R = Width of ROADWAY SECTION.
(R + 8" = Face-to-face of curb dimension)

All reinforcing bars in superstructure shall be Corrosion Resistant Reinforcing Steel, Class __.



DETAIL A

Note: Joint sealer to extend full width of slab. For sealer in parapet, see Section C-C on sheet .

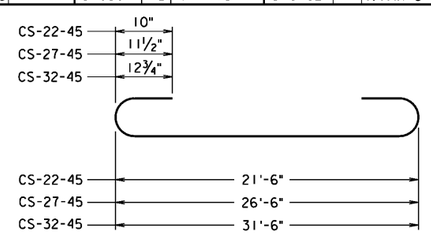


PART PLAN

DIMENSION DATA
R =
S_1 =
S_2 =

REINFORCING STEEL SCHEDULE

Span	2 SIDE SECTIONS**				ROADWAY SECTION												
	Mark	No.	Length	Pin ϕ	Mark	No.*	Length	Pin ϕ	Mark	No.*	Length	Mark	No.	Length	Mark	No.	Length
CS-22-45	SC0901	12	24'-0"	9"	SC0901	2R	24'-0"	9"	SL0401	R+5	21'-6"	ST0501	42	1.41(R+3'-7")	ST0402	22	1.41(R+3'-7")
CS-27-45	SC1002	12	29'-3"	10"	SC1002	2R	29'-3"	10"	SL0402	R+5	26'-6"	ST0501	52	1.41(R+3'-7")	ST0402	27	1.41(R+3'-7")
CS-32-45	SC1103	12	34'-7"	11"	SC1103	2R	34'-7"	11"	SL0403	R+5	31'-6"	ST0501	62	1.41(R+3'-7")	ST0402	32	1.41(R+3'-7")



SC Series

Notes:

Dimensions shown in bending diagram are out-to-out of bars.

*Round number of bars to next highest whole number.

**This does not include SL and ST Series shown in SIDE SECTION. These bars are tabulated in the ROADWAY SECTION.

cs223245.dgn

CS-22-32-45 01-25-2013

Sealed and Signed by:
Julius F.J. Volgyi Jr.
Lic. No. 010487
On the date of
January 25, 2013

A copy of the original sealed and signed standard drawing is on file in the Central Office.

VDOT S&B DIVISION
RICHMOND, VA
STRUCTURAL ENGINEER

Not to scale

©2013, Commonwealth of Virginia

No.	Description	Date

Revisions

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

STRUCTURE AND BRIDGE DIVISION

CONCRETE SLAB DETAILS

Designed:	Date	Plan No.	Sheet No.
Drawn:		CS-22-32-45	
Checked:			

CAST-IN-PLACE CONCRETE SLAB SPANS

CONCRETE SLAB DETAILS
22'- 32' SPANS – 45° SKEW

NOTES TO DESIGNER:

Standard to be used for the construction of standard cast-in-place concrete slab spans.

Standard is for: 45° skew
22', 27' and 32' span length (end-to-end)

ESTIMATED QUANTITIES				
Span	2 Side Sections		Roadway Section	
	Cl. A4 Conc.	Reinf. Steel	Cl. A4 Conc.	Reinf. Steel
	CY	LB	CY	LB
CS-22-45	4.6	980	1.15R	263(R+1)
CS-27-45	6.3	1510	1.58R	374(R+1)
CS-32-45	8.3	2200	2.07R	511(R+1)

ADD THE FOLLOWING NOTES, DIMENSIONS, DETAILS, ETC. TO STANDARD:

PROJECT/TITLE BLOCKS:

Project block and title block shall be completed in accordance with Manual of the Structure and Bridge Division, Volume V – Part 2, Chapter 4.

DIMENSION DATA:

Enter R, S_1, S_2, etc. in the DIMENSION DATA table.

SLAB SPAN DETAILS:

Indicate appropriate slab depth based on span length for required slab span details.

NOTES:

Complete second note by adding the Class I, II or III of corrosion resistant reinforcing steel required. For additional information on corrosion resistant reinforcing steels (CRR), see Structure and Bridge Division Memorandum (current IIM-S&B-81).