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

NBIS Number:

Federal Oversight Code:

UPC No.

FHWA Construction and Scour Code:

DESIGN EXCEPTION(S):

GENERAL NOTES:

The original approved sheet, including original signatures is filed in the VDOT Central Office. Any misuse of electronic files is illegal. Violators will be prosecuted to the full extent of applicable laws.

Width: ' - " face-to-face of curbs (rails).

Span layout: ft. reinforced concrete slab spans.

Capacity: HL-93 loading.

Drainage area: sq. mi.

Specifications:

Construction: Virginia Department of Transportation Road and Bridge Specifications, 2007.
Design: AASHTO LRFD Bridge Design Specifications, 4th Edition, 2007; 2008 and 2009 Interim Specifications; and VDOT Modifications.
Standards: Virginia Department of Transportation Road and Bridge Standards, 2008.

These plans are incomplete unless accompanied by the Supplemental Specifications and Special Provisions included in the contract documents.

This project is to be constructed in accordance with the Virginia Department of Transportation Work Area Protection Manual, June 2011 and latest revisions.

Concrete in the superstructure including parapets/railings and terminal walls shall be Class A4; in piers, Class A3 and in abutments, Class B2.

All reinforcing steel shall be deformed and shall conform to ASTM A615 Grade 60 except for reinforcing steels noted as CRR (corrosion resistant reinforcement) which shall conform to the applicable specifications noted in the special provisions. All reinforcing bar dimensions on the detailed drawings are to centers of bars except where otherwise noted and are subject to fabrication and construction tolerances.

Corrosion resistant reinforcing (CRR) steels shall conform to one or more of the three Classes listed in the special provision. The minimum yield strength shall be: 100 ksi for low carbon/chromium steel and 60 ksi for stainless clad steel or solid stainless steel. The Class(es) of CRR steel(s) required on this project is/are noted on plan sheets and in the reinforcing steel schedule. Corrosion Resistant Reinforcing Steel, Class II or Class III, may be substituted for Class I. Corrosion Resistant Reinforcing Steel, Class III, may be substituted for Class II.

(Insert applicable foundation note).

B. M.:

PLAN

DEVELOPED SECTION ALONG (℄) or (℄)

csts.dgn

01-25-2013

CS-TS

BRIDGE DATA			
Description	Data		Standards Required
Overall bridge length (end-to-end of slab)	L =		CS-TS
Skew Angle	∡ =		——
Fill Slope	: 1		——
Superstructure	R =		
Parapet / Railing Type			
Abutments	A	H =	
	B	H =	
Piers	1	H =	
	2	H =	
	3	H =	

R = Width of ROADWAY SECTION

Not to scale

VDOT S&B DIVISION
RICHMOND, VA
STRUCTURAL ENGINEER

PLANS BY:
COORDINATED:
SUPERVISED:
DESIGNED:
DRAWN:
CHECKED:

No.	Description	Date

REVISIONS

For Table of Revisions, see Sheet 2.

VDOT

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
PROPOSED BRIDGE ON

Recommended for Approval: _____ State Structure and Bridge Engineer Date

Approved: _____ Chief Engineer Date

Date: _____

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CAST-IN-PLACE CONCRETE SLAB SPANS

TITLE SHEET

NOTES TO DESIGNER:

This sheet will serve as the title sheet and should be included in all plan assemblies.

For these standard details, R = Width of ROADWAY SECTION (Feet). R is defined as the width of the approach roadway plus appropriate shoulder widths. Refer to roadway plans and Manual of the Structure and Bridge Division, Volume V – Part 2, Chapter 6 – Geometrics.

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 2.

PLAN and DEVELOPED SECTION:

Add the project specific PLAN and DEVELOPED SECTION views in accordance with Manual of the Structure and Bridge Division, Volume V – Part 2, Chapter 2. Add north arrow proper orientation. The designer may use the PLAN view cells provided in the cell library.

GENERAL NOTES:

Enter width, span layout and benchmark description. Compute and enter the drainage area, if applicable.

Select applicable reinforcing steel note(s) from GENERAL NOTES in Manual of the Structure and Bridge Division, Volume V - Part 2, Chapter 2.

Select the following applicable foundation note and add to the GENERAL NOTES where denoted:

- Piles (in _____) have a design capacity of 20 tons per pile minimum.
- Footings for (_____) shall bear on (firm material) (weathered rock) (competent bedrock). Footings for (_____) have been designed for an allowable bearing pressure of 2.5 tons/sq. ft. min.

BRIDGE DATA:

Enter the following project specific data in the BRIDGE DATA table:

L = Overall bridge length in feet (end-to-end of slab)
Skew Angle : (0°, 30° or 45°)
Roadway Fill Slope : (1½ : 1 or 2 : 1)
R = Width of ROADWAY SECTION (feet):
Parapet/Railing Type : C-I-P Concrete Parapet (F-Shape) or
Railing (Texas T-6) or
C-I-P Concrete Parapet (32" Kansas Corral)
H = Height (feet) of substructure units. Refer to abutment or pier details for this data.