

Khaled Alamdeen

David Escoto

Dan Walsh

**DESIGNED:** 

CHECKED:

DRAWN:

STATE	FEDERAL AID			STATE			SHEE	
STATE	ROUTE	PROJECT	RO	UTE	PROJECT		NO	
VA.	_	IM/NH-395-40	178) 39	95	0395-100-722,	B687	I	
NBIS Number: 00000000029980			.9980 UI	UPC No. 96261				
					FHWA Construction		X781-SN	
Federal Oversiaht Code: FO				and Scour Code: A 1		V101-	21/	

#### DESIGN EXCEPTION(S):

#### GENERAL NOTES:

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

Width: Varies from 28'-0" to 36'-0" face-to-face of curbs

Span layout: 120' - 120' - 120' - 120' - 120' - 120' - 120' simple prestressed concrete 69" deep bulb-T beam spans continuous for live load;

Capacity: HL-93 loading.

Specifications:

Construction: Virginia Department of Transportation Road and Bridge Specifications, 2007.

Design: AASHTO LRFD Bridge Design Specifications, 5th Edition, 2010; 2010 Interim Specifications; and VDOT Modifica-

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

Design loading includes 20 psf allowance for construction tolerances and construction methods and 15 psf allowance for future wearing

The use of prestressed deck panels as stay-in-place forms will not be permitted.

Concrete in superstructure including end diaphragm, closure diaphragms, integral backwall, and parapets shall be Class A4; all other concrete shall be Class A3.

Concrete in abutment A seat shall conform to the requirements of mass concrete as specified in the Special Provisions.

Prestressed concrete in bulb-T beams shall be Class A5 having a minimum compressive cylinder strength at 28 days equal to 7000 psi and a minimum compressive cylinder strength at time of release of strands equal to 5600 psi.

Low permeability concrete shall be used in this project.

Concrete surface color coating shall be gray, similar to Federal Standard Color No. 595-26307.

General notes continues on sheet 2.

For Table of Revisions,

see Sheet 3.

Scale: I" = 30'-0"

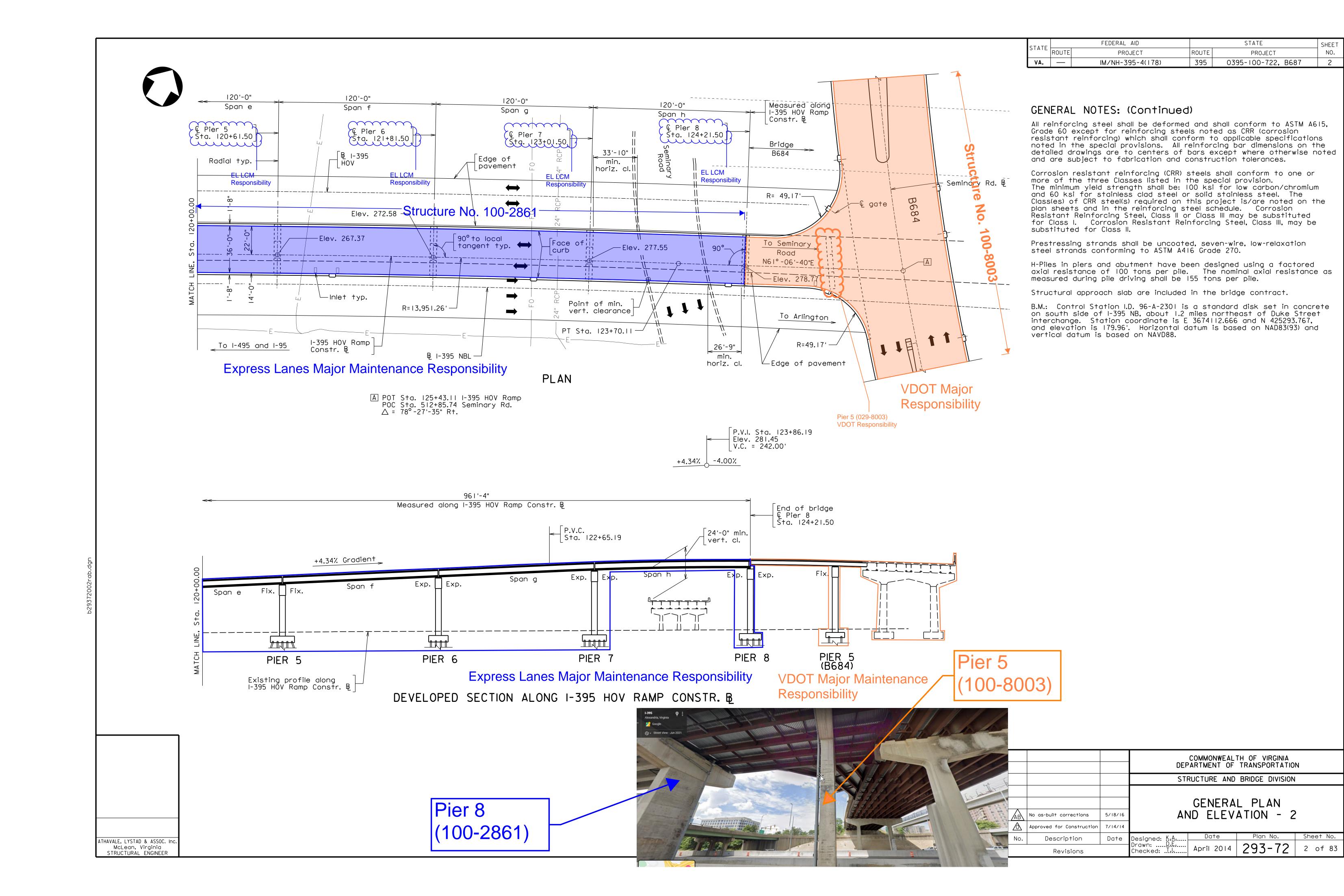
# **\**VDOT

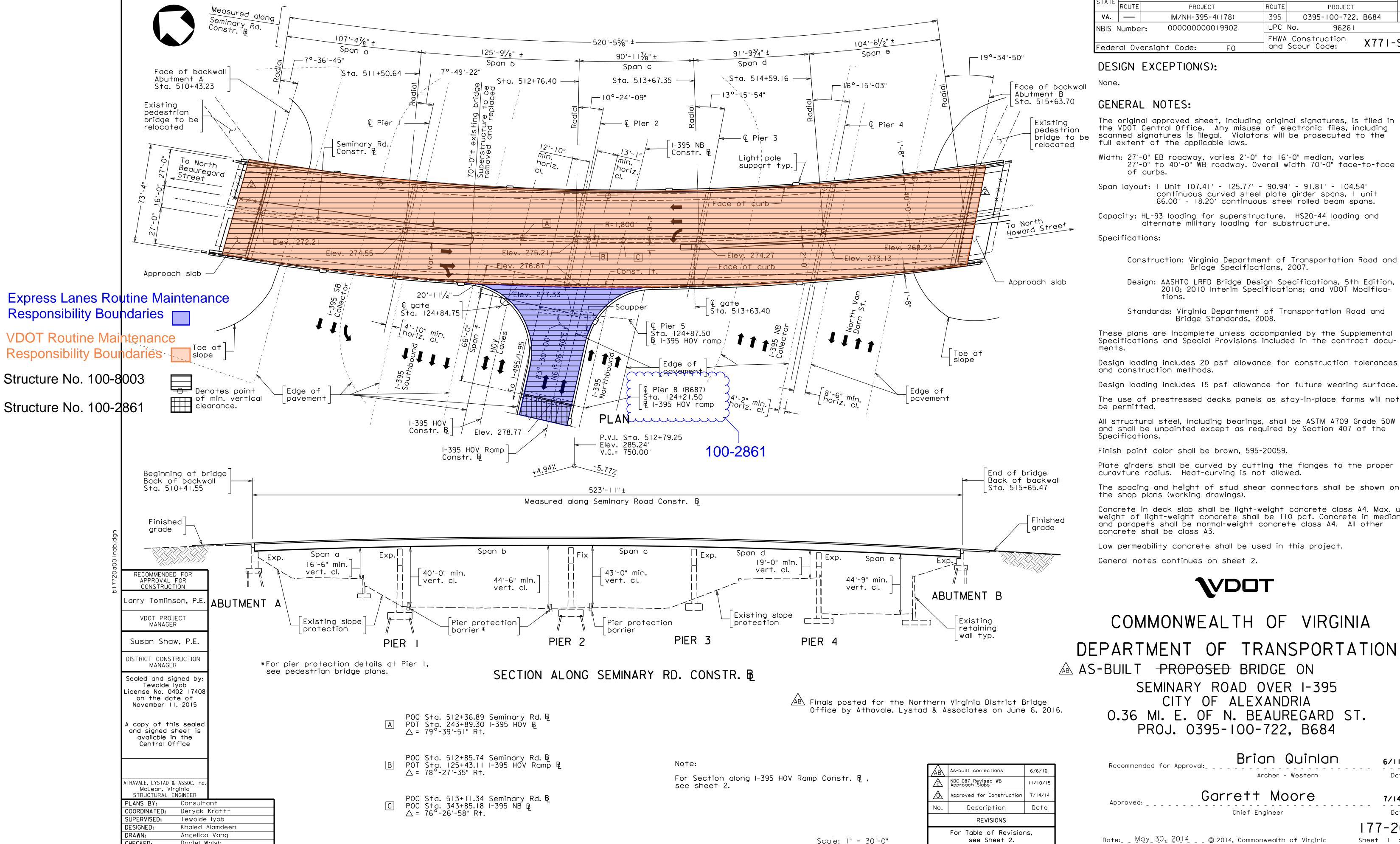
### COMMONWEALTH OF VIRGINIA

DEPARTMENT OF TRANSPORTATION AS-BUILT PROPOSED BRIDGE ON

I-395 HOV RAMP TO SEMINARY ROAD CITY OF ALEXANDRIA - O.I MI. N. SANGER AVE. PROJ. 0395-100-722, B687

Recommended for Approval:	Brian Quinlan	6/11/14	
	Archer - Western	Date	
Approved:	Garrett Moore		
• • • • • • • • • • • • • • • • • • •	Chief Engineer		
Date: April_ [6, 20 4 © 20	14, Commonwealth of Virginia	<b>293-72</b> Sheet I of 83	





CHECKED:

Daniel Walsh

FEDERAL AID STATE STATE ROUTE SHEET PROJECT NO. 0395-100-722, B684 96261 FHWA Construction and Scour Code: X771-SN

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27'-0" to 40'-0" WB roadway. Overall width 70'-0" face-to-face

continuous curved steel plate girder spans, I unit 66.00' - 18.20' continuous steel rolled beam spans.

Capacity: HL-93 loading for superstructure. HS20-44 loading and alternate military loading for substructure.

Construction: Virginia Department of Transportation Road and Bridge Specifications, 2007.

Design: AASHTO LRFD Bridge Design Specifications, 5th Edition, 2010; 2010 Interim Specifications; and VDOT Modifica-

Standards: Virginia Department of Transportation Road and

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

Design loading includes 20 psf allowance for construction tolerances

Design loading includes 15 psf allowance for future wearing surface.

All structural steel, including bearings, shall be ASTM A709 Grade 50W and shall be unpainted except as required by Section 407 of the

Plate girders shall be curved by cutting the flanges to the proper

The spacing and height of stud shear connectors shall be shown on

Concrete in deck slab shall be light-weight concrete class A4. Max. unit weight of light-weight concrete shall be 110 pcf. Concrete in median and parapets shall be normal-weight concrete class A4. All other

Low permeability concrete shall be used in this project.

### COMMONWEALTH OF VIRGINIA

## DEPARTMENT OF TRANSPORTATION

see Sheet 2.

Scale: I" = 30'-0"

CITY OF ALEXANDRIA 0.36 MI. E. OF N. BEAUREGARD ST. PROJ. 0395-100-722, B684

Brian Quinlan 6/11/14 Archer - Western Date Garrett Moore 7/14/14 Date 177-20A

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