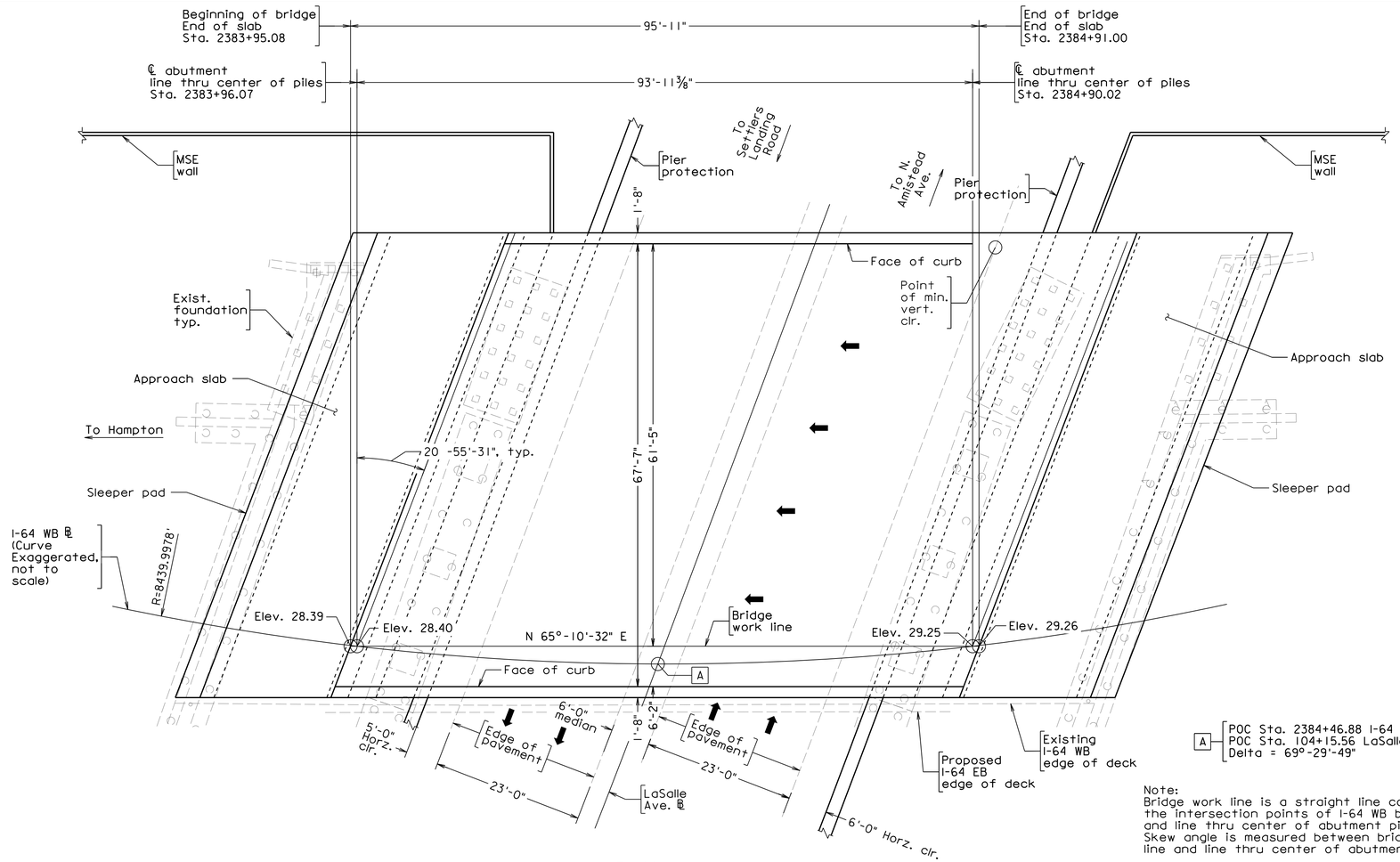
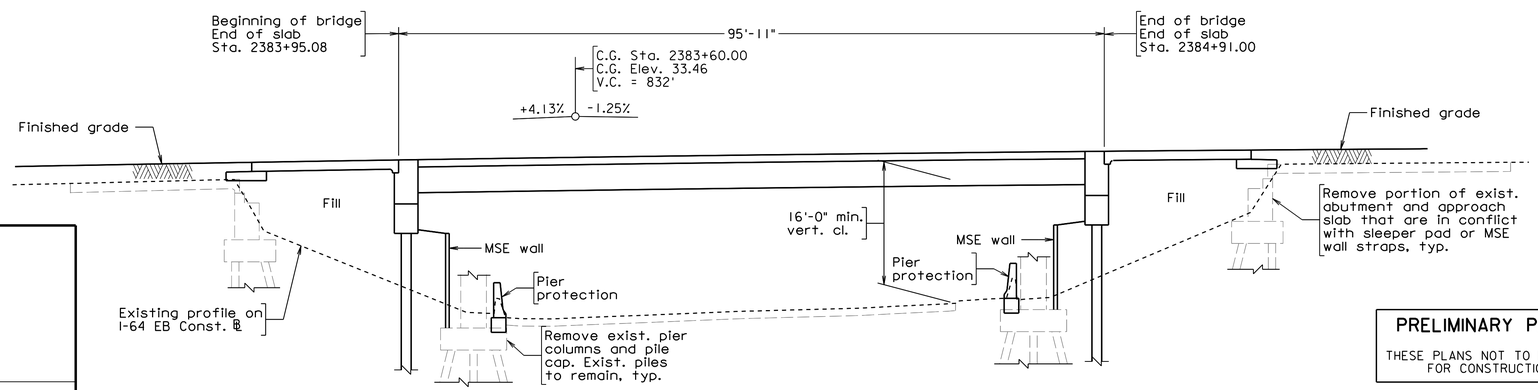


PLAN

Note:
Bridge work line is a straight line connecting the intersection points of I-64 WB baseline and line thru center of abutment piles.
Skew angle is measured between bridge work line and line thru center of abutment piles.



ABUTMENT A ABUTMENT B

DEVELOPED SECTION ALONG I-64 WB CONST. ℄

Scale: 1" = 10'-0"

I64 WB Plan and Elevation

STATE	FEDERAL AID		STATE		SHEET NO.
	ROUTE	PROJECT	ROUTE	PROJECT	
VA.	—	NHPP-064-3(519)	64	0064-121-418, B644	1
Federal Structure No. 000000000031595			FHWA Construction and Scour Code:		X271-SN
Federal Stewardship and Oversight Code: N/A				UPC No.	119824

DESIGN EXCEPTION(S):

Shoulder width 6'.

GENERAL NOTES:

Width: 67'-7" face-to-face of curb.

Span layout: 93'-11⅜" steel plate girder span

Capacity: HL-93 loading.

Specifications:

Construction: Virginia Department of Transportation Road and Bridge Specifications, 2020.

Design: AASHTO LRFD Bridge Design Specifications, 8th Edition, 2017; and VDOT Modifications.

Standards: Virginia Department of Transportation Road and Bridge Standards, 2008; including all current revisions.

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

Design loading includes 20 psf allowance for construction tolerances and construction methods.

Design loading includes 15 psf allowance for future wearing surface.

All structural steel, including bearings, shall be ASTM A709 Grade 50W and shall be painted.

Concrete in prestressed piles shall be Class A5. Concrete in superstructure, parapets and integral backwalls shall be Low Shrinkage Class A4 Modified; in piers and abutments, Class A3.

Deformed reinforcing bars shall conform to ASTM A615, Grade 60. 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.

All reinforcing steel shall be deformed and shall conform to ASTM A615, Grade 60 except for steels noted as Corrosion Resistant Reinforcing (CRR) which shall conform to Section 223 of the Specifications. 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.

CRR steels shall conform to one or more of the three Classes listed in Section 223 of the Specifications. The Class(es) of CRR steel(s) required on this project is/are noted on plan sheets and in the reinforcing steel schedule. CRR Steel, Class II or Class III may be substituted for Class I. CRR Steel, Class III, may be substituted for Class II.

Steel H-pile shall be ASTM A709 Grade 50 steel. All piles shall be driven to the required nominal axial resistance.

B.M.: XXXXX

Bridge No. of existing bridge is 2814. Plan No. is 171-08 and 171-08A.

The existing structure is designated a Type B structure in accordance with Sec. 411.

VDOT

COMMONWEALTH OF VIRGINIA

DEPARTMENT OF TRANSPORTATION

PROPOSED BRIDGE ON I-64 WB OVER LASALLE AVENUE CITY OF HAMPTON PROJ. 0064-121-418, B644

Recommended for Approval: _____ Developer Date

Approved: _____ Chief Engineer Date

XXX-XX

Date: August 25, 2021

HDR Inc.
Virginia Beach, VA.
STRUCTURAL ENGINEER

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

PRELIMINARY PLANS

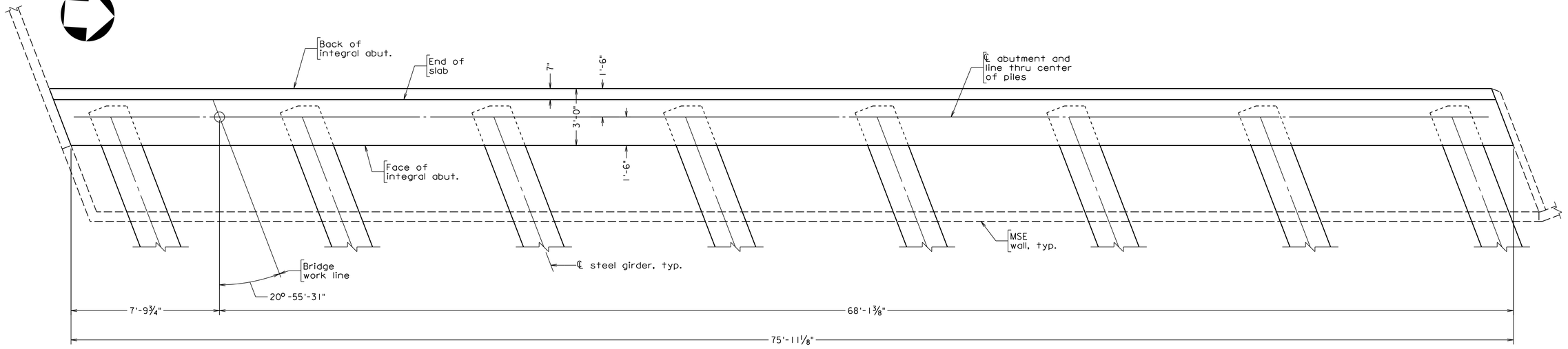
THESE PLANS NOT TO BE USED FOR CONSTRUCTION

No.	Description	Date

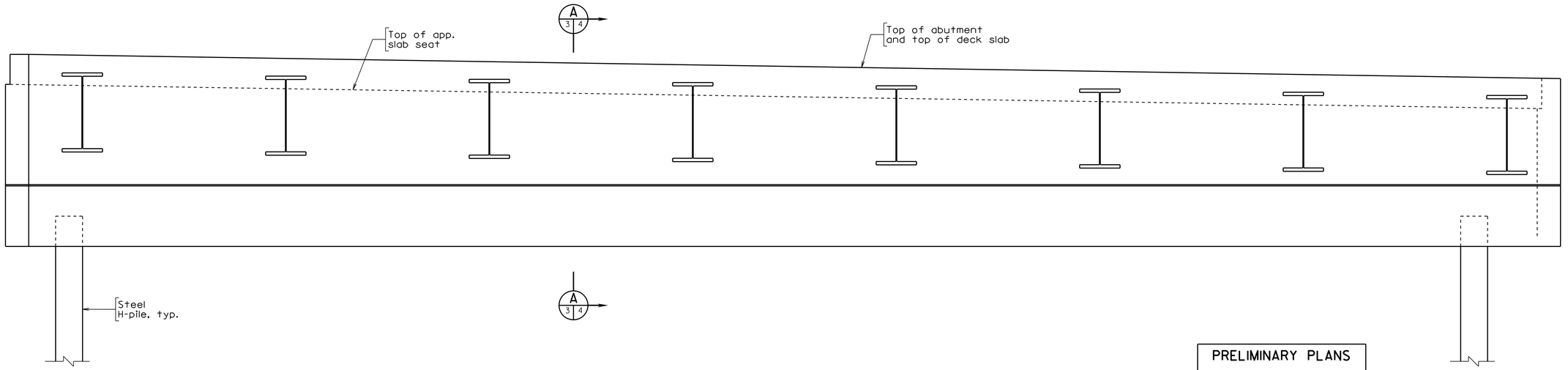
REVISIONS

For Table of Revisions, see Sheet 2.

STATE	FEDERAL AID		STATE		SHEET NO.
	ROUTE	PROJECT	ROUTE	PROJECT	
VA.	—	————	64	0064-121-XXX, BXXX	2



PLAN



ELEVATION

MSE wall not shown for clarity.

Note:

Abutment A shown, Abutment B similar.

EPS material and other details will be shown in final design.

164 WB Abut A Plan and Elevation

HDR Inc.
Virginia Beach, VA
STRUCTURAL ENGINEER

Scale: ⅜" = 1'-0"

PRELIMINARY PLANS

THESE PLANS NOT TO BE USED FOR CONSTRUCTION

No.	Description	Date

Revisions

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

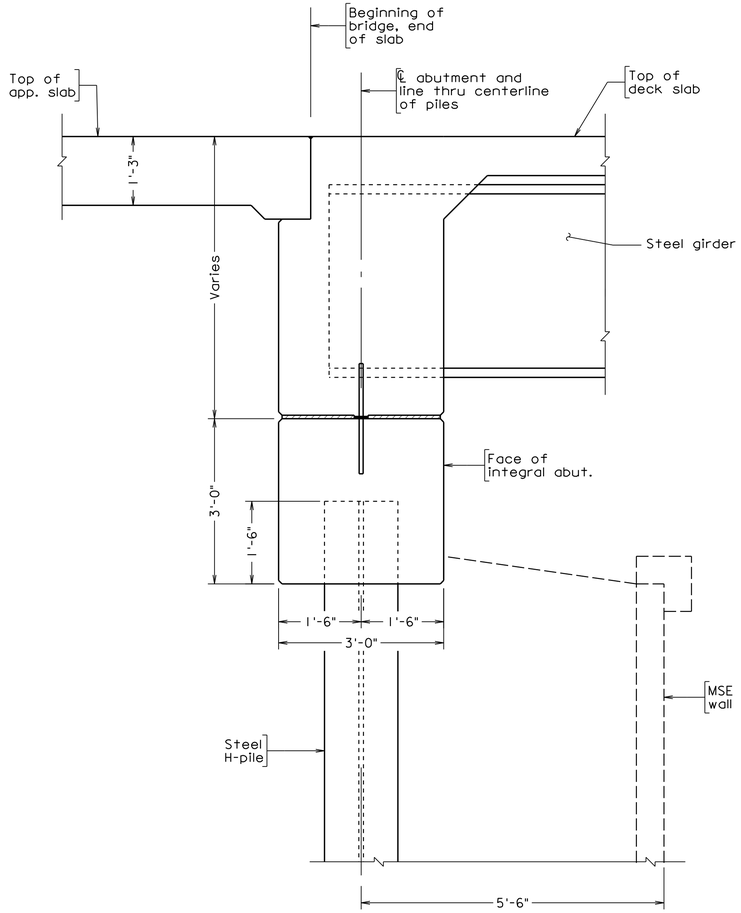
STRUCTURE AND BRIDGE DIVISION

ABUTMENT A PLAN AND ELEVATION

Designed: MSM
Drawn: CR
Checked: EMF

Date	Plan No.	Sheet No.
Aug. 2021	XXX-XX	2 of 4

STATE	FEDERAL AID		STATE		SHEET NO.
	ROUTE	PROJECT	ROUTE	PROJECT	
VA.	—	————	64	0064-121-XXX, BXXX	3



SECTION A 3|4

Notes:

EPS material and other details will be shown in final design.

164 WB Abut Sections

HDR Inc.
Virginia Beach, VA
STRUCTURAL ENGINEER

Scale: 3/4" = 1'-0"

PRELIMINARY PLANS

THESE PLANS NOT TO BE USED FOR CONSTRUCTION

No.	Description	Date

Revisions

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

STRUCTURE AND BRIDGE DIVISION

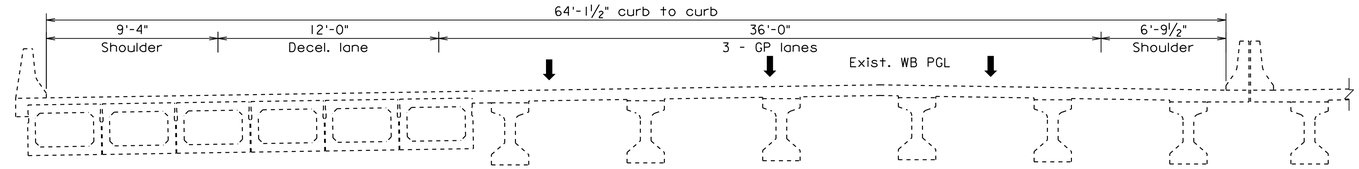
ABUTMENT SECTION

Designed: MSM	Date	Plan No.	Sheet No.
Drawn: CR			
Checked: EMF	Aug. 2021	XXX-XX	3 of 4

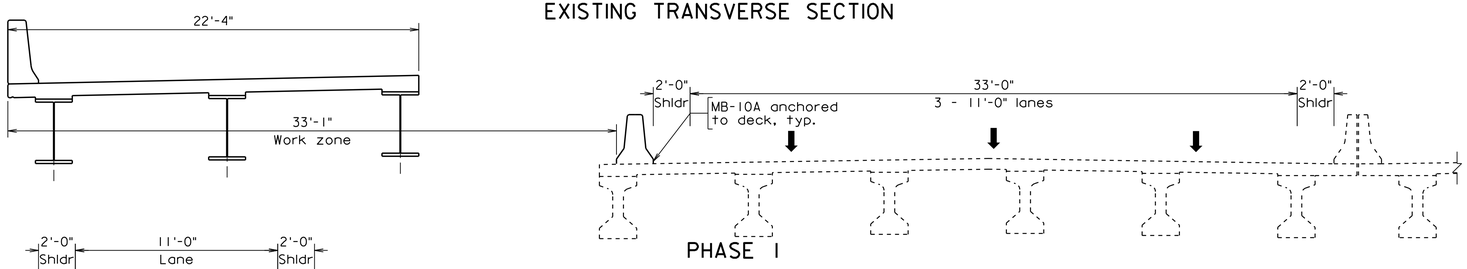
STATE	FEDERAL AID		STATE		SHEET NO.
	ROUTE	PROJECT	ROUTE	PROJECT	
VA.	—	————	64	0064-121-XXX, BXXX	4

Notes:

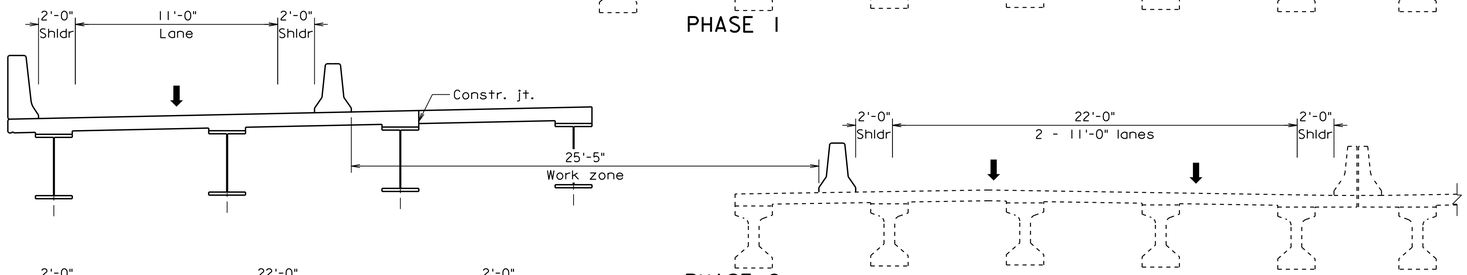
Minimum of three 11' lanes and 2' shoulders shall be maintained.



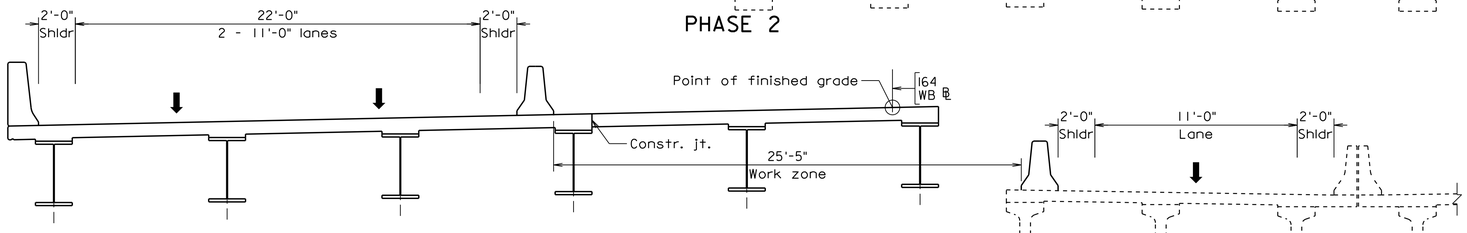
EXISTING TRANSVERSE SECTION



PHASE 1



PHASE 2



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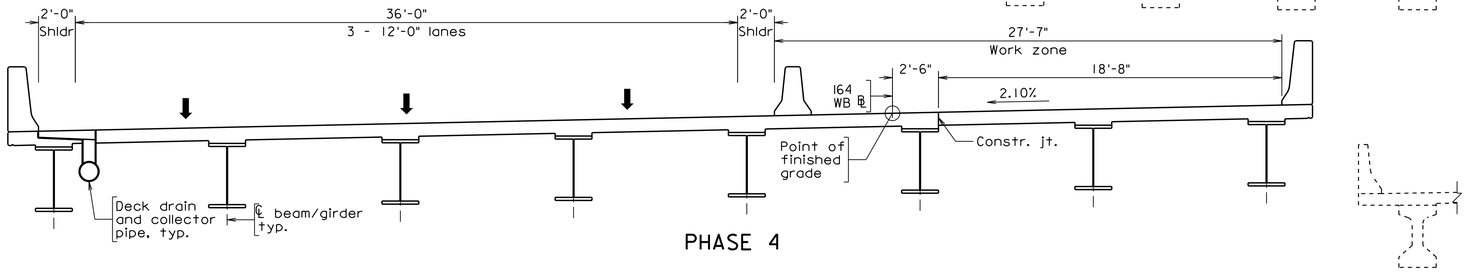
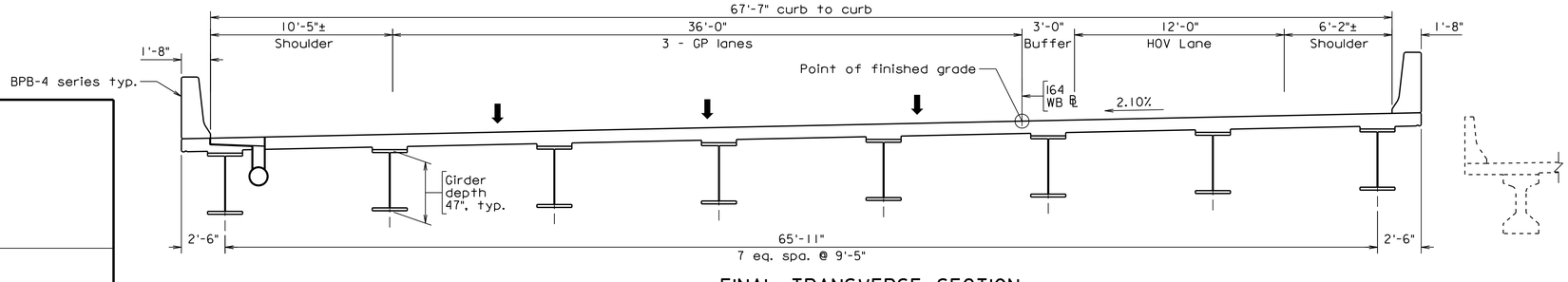


PHASE 4



FINAL TRANSVERSE SECTION

164 WB Transverse Sections

HDR Inc.
Virginia Beach, VA
STRUCTURAL ENGINEER

Scale: ¼" = 1'-0"

PRELIMINARY PLANS

THESE PLANS NOT TO BE USED FOR CONSTRUCTION

No.	Description	Date
	Revisions	

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

STRUCTURE AND BRIDGE DIVISION

TRANSVERSE SECTIONS

Designed: MSM	Date	Plan No.	Sheet No.
Drawn: CR	Aug. 2021	XXX-XX	4 of 4
Checked: FMF			