

U.S. Department of
Homeland Security

United States
Coast Guard



Commander
United States Coast Guard
Fifth Coast Guard District

431 Crawford Street
Portsmouth, VA 23704-5004
Staff Symbol: (dpb)
Phone: (757) 398-6557
Fax: (757) 398-6334
Email:
Michael.R.Thorogood@uscg.mil

16591
7 SEP 2020

PUBLIC NOTICE D05PN-10-2020

All interested parties are notified that an application dated August 19, 2020, has been received from the Virginia Department of Transportation by the Commander, Fifth Coast Guard District, for approval of the location and with plans for modification of an existing highway fixed bridge over a navigable waterway of the United States.

WATERWAY AND LOCATION: Willoughby Bay, mile 1.5, at Norfolk, VA.

CHARACTER OF WORK: The proposed project is to modify the existing fixed highway bridge – I-64/US 60 (Hampton Roads Beltway/Willoughby Bay) Bridge which spans across the northeast portion of the Willoughby Bay at Norfolk, VA. The project will involve widening the existing two-lane eastbound and westbound structures into two four-lane structures. This will be done by constructing an additional vehicular lane on each side of the existing eastbound structure and constructing an additional vehicular lane on each side of the existing westbound structure. The purpose of the project is to relieve congestion at the I-64 HRBT in a manner that improves accessibility, transit, emergency evacuation, and military and goods movement along the primary transportation corridors in the Hampton Roads region, including I-64, I-664, I-564, and VA 164 corridors.

MINIMUM NAVIGATIONAL CLEARANCES:

<u>Existing</u>	<u>Proposed</u>
Vertical Clearance:	Vertical Clearance:
25 feet above mean high water	25 feet above mean high water
Horizontal Clearance: (normal to axis of the channel)	Horizontal Clearance: (normal to axis of the channel)
50 feet between the bridge protective system	50 feet between the bridge protective system

North American Vertical Datum of 1988 (NAVD88)

ENVIRONMENTAL CONSIDERATIONS:

The Federal Highway Administration (FHWA) is the lead Federal agency for compliance with the National Environmental Policy Act (NEPA). The FHWA is acting on behalf of the U. S. Coast Guard (USCG) for all applicable environmental control laws and Executive Orders. The FHWA approved the Hampton Roads Crossing Study Environmental Impact Statement (EIS) on March 1, 2001, and issued a Record of Decision (ROD) dated June 4, 2001, the Hampton Roads Expansion Project Supplemental Environmental Impact Statement (SEIS) on April 25, 2017, and issued a Record of Decision (ROD) dated June 12, 2017, and the Hampton Roads Expansion Project Environmental Assessment (EA) on June 7, 2018, and issued a Finding of No Significant Impact (FONSI) dated October 23, 2018. The USCG has tentatively determined that the environmental documentation approved and issued by the FHWA is adequate for USCG bridge permitting purposes and intends to adopt the bridge-related portions of the EIS(s) and EA and issue a USCG ROD. Environmental documents are available for review at the above address, Monday through Friday (except Federal holidays), from 8 a.m. to 4:30 p.m.

The bridge is located in the floodplain. The 100-year flood level is +7.15 feet from datum and low steel of the bridge in the navigation span is +27.60 feet from datum.

A water quality certificate was issued by the Virginia Department of Environmental Quality via VWP Individual Permit Number 19-1577 dated June 26, 2020.

The bridge construction site lies inside of a designated Coastal Zone Management area. The applicant provided the Virginia Department of Environmental Quality with the project location information and a certification of consistency. The Virginia Department of Environmental Quality issued a finding on November 5, 2019, that the project is consistent with the state's Coastal Zone Management Plan.

Comments received in response to this notice concerning environmental control laws and Executive Orders will be forwarded to FHWA as lead Federal Agency.

SOLICITATION OF COMMENTS:

Mariners are requested to provide navigational information, such as the sizes and types of vessels presently owned and operated on the waterway and nature of navigation (including the extent of nighttime navigation) on the waterway. Mariners are requested to comment on the navigational clearances and need for bridge protective systems, clearance gauges, and navigational lighting on the proposed bridge. Please submit the attached response form.

Interested parties are requested to express their views, in writing, on the proposed bridge project, giving sufficient detail to establish a clear understanding of their reasons for support of, or opposition to, the proposed project. Comments will be received for the record at the office of Commander (dpb), Fifth Coast Guard District, 431 Crawford Street, Portsmouth, VA 23704-5004 through **October 7, 2020**.

//s//

HAL R. PITTS
Bridge Program Manager
By direction

This is a Web-searchable copy and is not the official, signed version; however, other than the signature being omitted, it is a duplicate of the official version.

I-64/US 60 (Hampton Roads Beltway/Willoughby Bay) Bridge
 Willoughby Bay, mile 1.5,
 at Norfolk, VA
Public Notice D05PN-10-2020
 Response Form

It is requested that anyone having an interest in this proposed project, from the standpoint of navigation, submit vessel information, comments, and recommendations on this form to the office of Commander (dpb), Fifth Coast Guard District, 431 Crawford Street, Portsmouth, VA 23704-5004 by **October 7, 2020**.

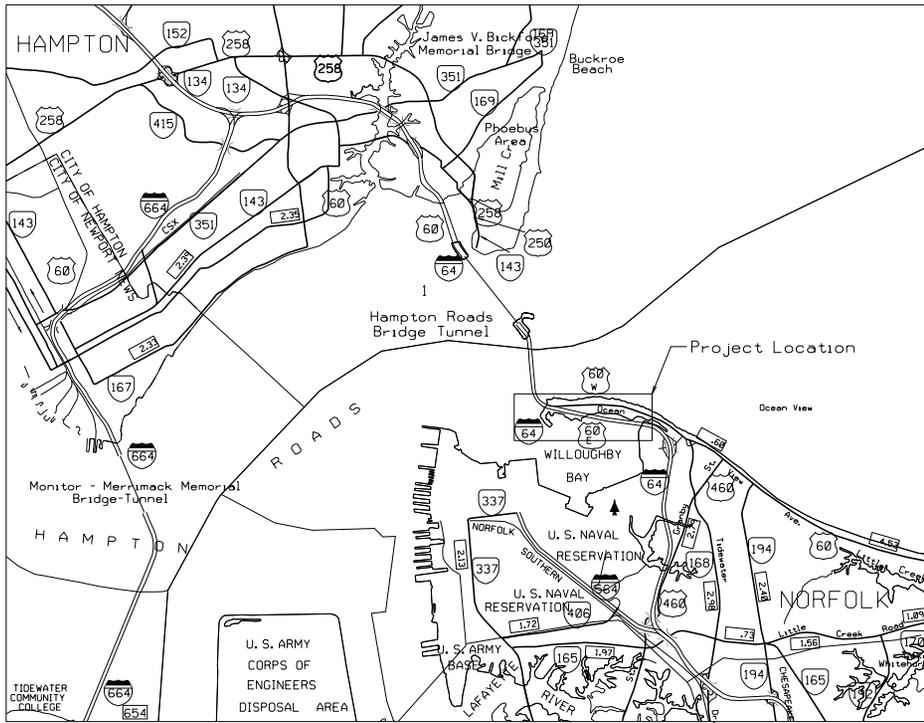
Vessel Information	Please provide all requested information:
Vessel Type	
Use – <i>Commercial and/or Recreational</i>	
Vessel Height	
Draft	
Length	
Beam	
Tonnage	
Mooring Location	

Name (Optional): _____

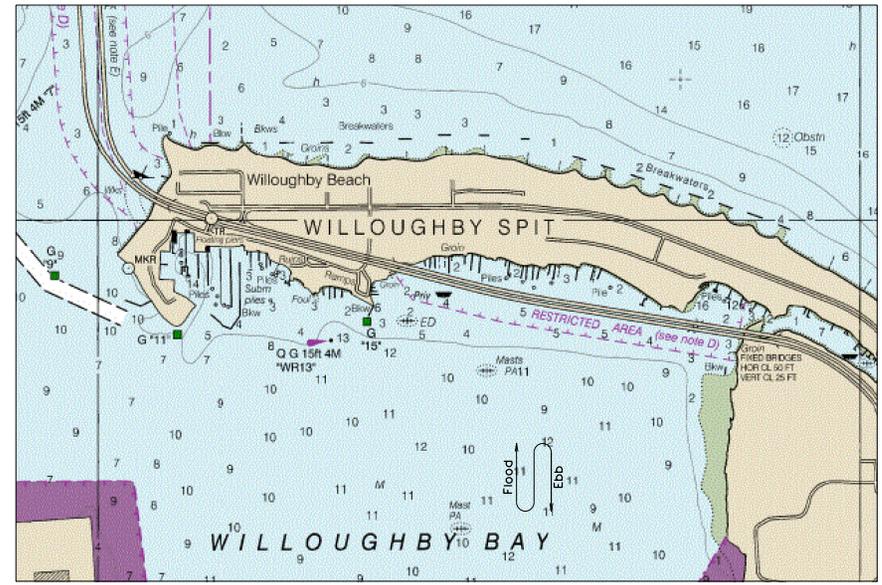
Address (Optional): _____

Phone (Optional): _____

Comments and Recommendations: _____



VICINITY MAP



LOCATION MAP



INDEX TO COUNTY LOCATION

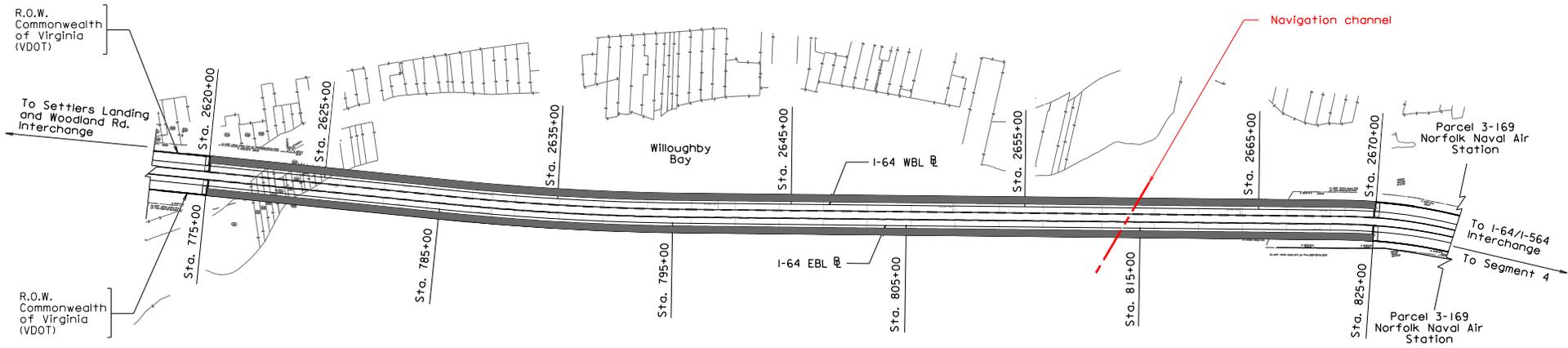
GENERAL HIGHWAY MAP

MILE

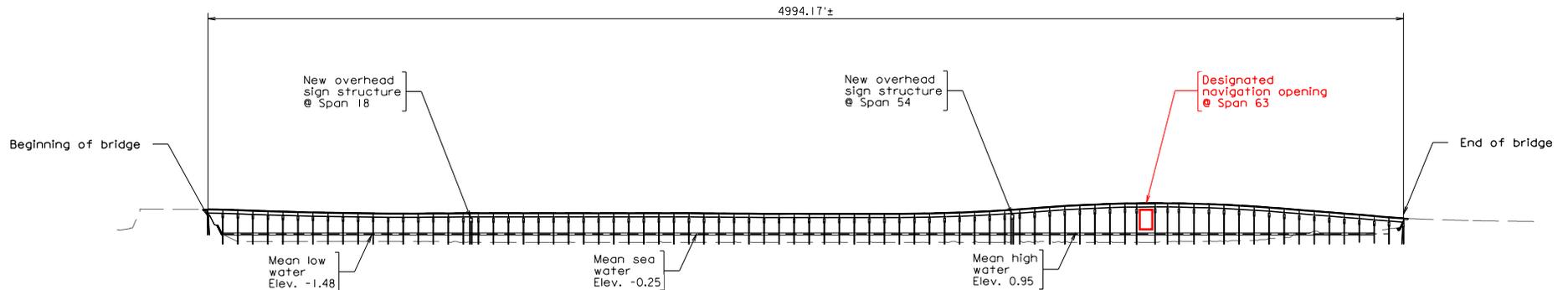


WILLOUGHBY BAY BRIDGE VICINITY/LOCATION MAP	
I-64/US 60 (HAMPTON ROADS BELTWAY/WILLOUGHBY BAY) RIVER MILE 1.5 OVER WILLOUGHBY BAY CITY OF NORFOLK, VA	05/29/2020 DATE
Application by Commonwealth of Virginia Department of Transportation	SHEET NUMBER 1 OF 6

HDR Engineering Inc.
Virginia Beach, VA
STRUCTURAL ENGINEER



PLAN



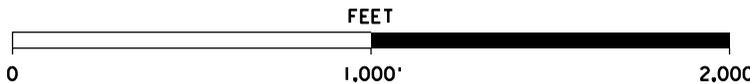
ELEVATION

Exaggerated vertical scale

General Notes:

Horizontal datum: NAD83
 Vertical datum: NAVD88
 All vertical openings are measured from MHW line
 All water depths are measured from MLW line
 See table below for all tidal datums in NAVD88

Tidal Elevations	NAVD88 (ft)
MHHW	1.15
MHW	0.95
NAVD88	0.00
MSL	-0.25
MLW	-1.48
MLLW	-1.61



WILLOUGHBY BAY BRIDGE
 GENERAL PLAN AND ELEVATION - I
 OVERALL BRIDGE

I-64/US 60 (HAMPTON ROADS BELTWAY/WILLOUGHBY BAY)
 RIVER MILE 1.5 OVER WILLOUGHBY BAY
 CITY OF NORFOLK, VA

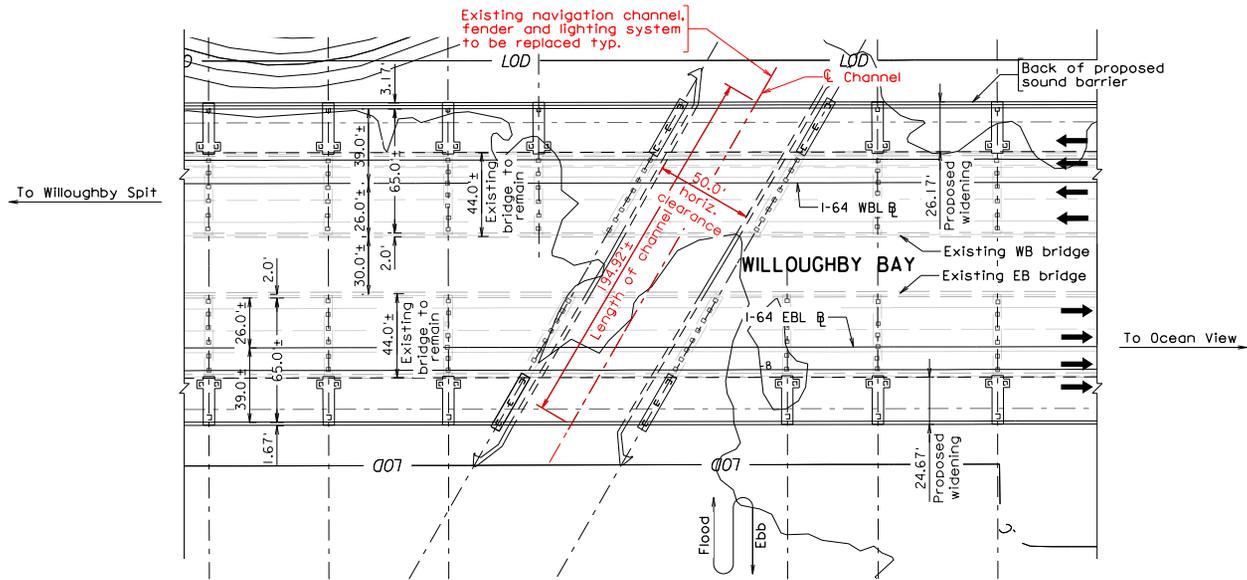
05/29/2020
 DATE

APPLICATION BY COMMONWEALTH OF VIRGINIA
 DEPARTMENT OF TRANSPORTATION

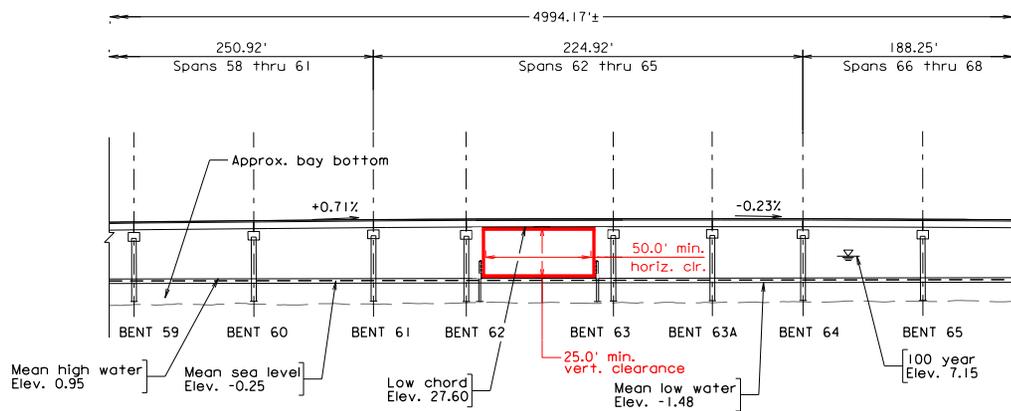
SHEET NUMBER
 2 OF 6



HDR Engineering Inc.
 Virginia Beach, VA
 STRUCTURAL ENGINEER

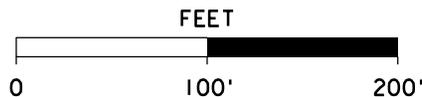


PLAN



ELEVATION

Note:
Vertical Datum: NAVD88
Horizontal Datum: NAD83



HDR Engineering Inc.
Virginia Beach, VA
STRUCTURAL ENGINEER

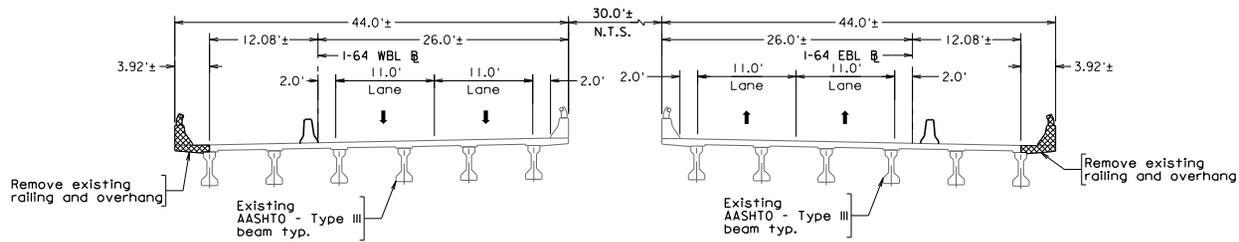
WILLOUGHBY BAY BRIDGE
GENERAL PLAN AND ELEVATION - 2
NAVIGATION OPENING @ SPAN 63

I-64/US 60 (HAMPTON ROADS BELTWAY/WILLOUGHBY BAY)
RIVER MILE 1.5 OVER WILLOUGHBY BAY
CITY OF NORFOLK, VA

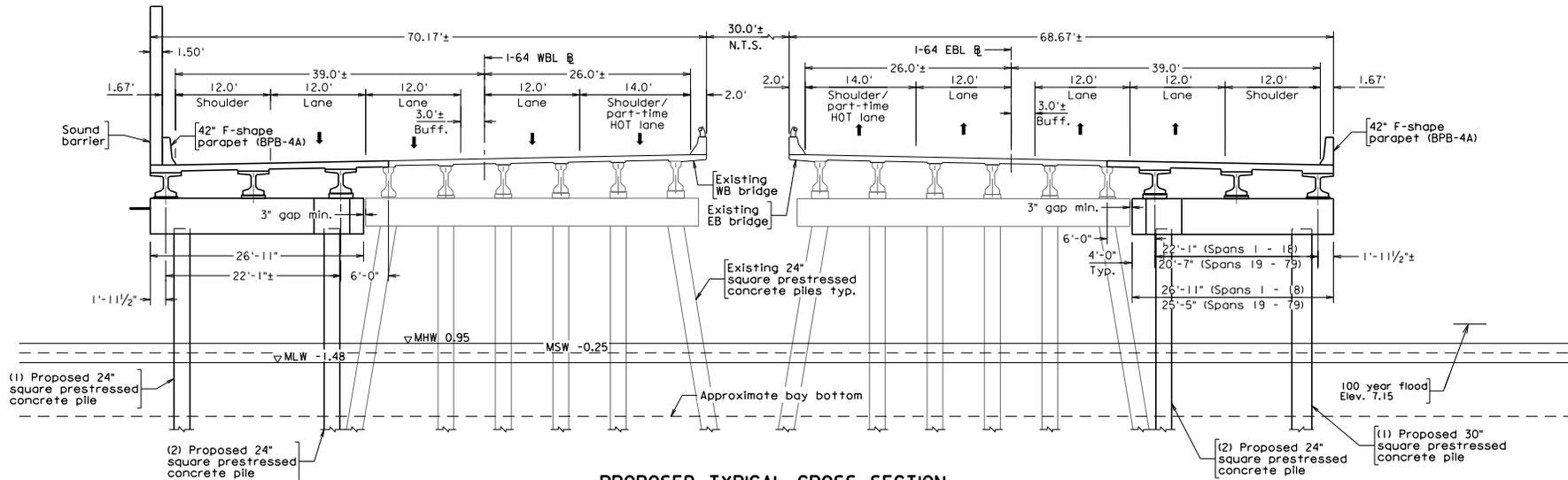
05/29/2020
DATE

APPLICATION BY COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

SHEET NUMBER
3 OF 6

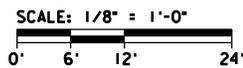


EXISTING CROSS-SECTION AND PROPOSED ELEMENT REMOVALS



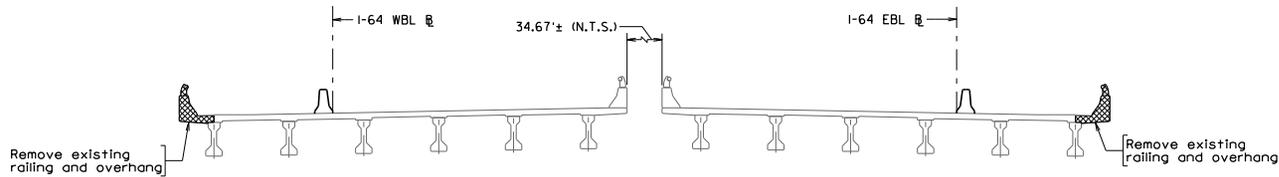
PROPOSED TYPICAL CROSS SECTION

Note:
Vertical Datum: NAVD88
Horizontal Datum: NAD83

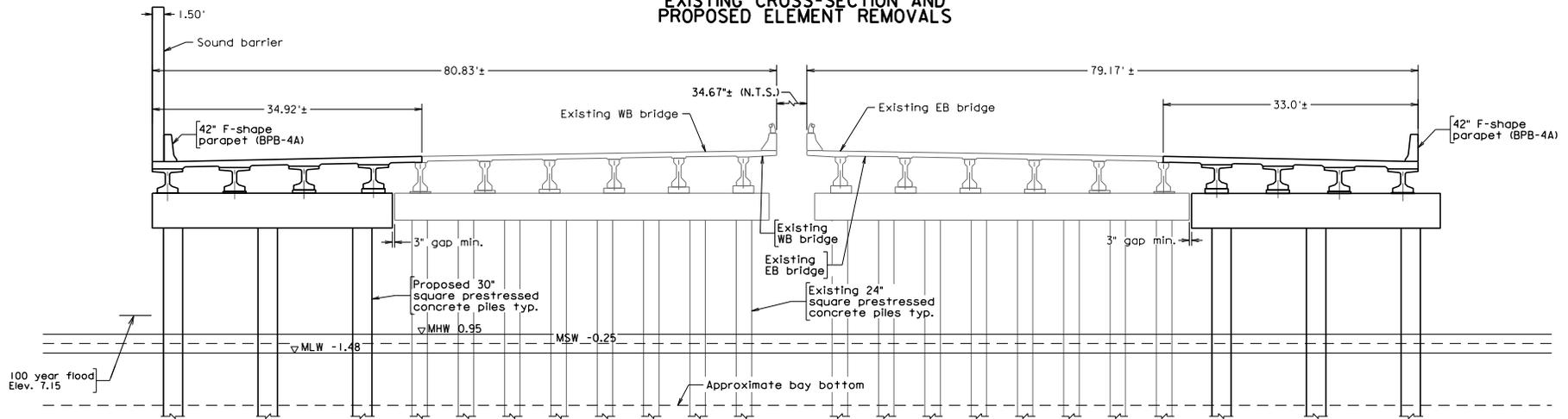


WILLOUGHBY BAY BRIDGE CROSS SECTION - 1 TYPICAL SPAN	
I-64/US 60 (HAMPTON ROADS BELTWAY/WILLOUGHBY BAY) RIVER MILE 1.5 OVER WILLOUGHBY BAY CITY OF NORFOLK, VA	05/29/2020 DATE
APPLICATION BY COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION	
SHEET NUMBER 4 OF 6	

HDR Engineering Inc.
Virginia Beach, VA
STRUCTURAL ENGINEER

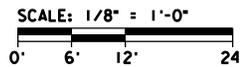


EXISTING CROSS-SECTION AND PROPOSED ELEMENT REMOVALS



PROPOSED CROSS SECTION AT SPAN 63

Notes:
Vertical Datum: NAVD88
Horizontal Datum: NAD83



HDR Engineering Inc.
Virginia Beach, VA
STRUCTURAL ENGINEER

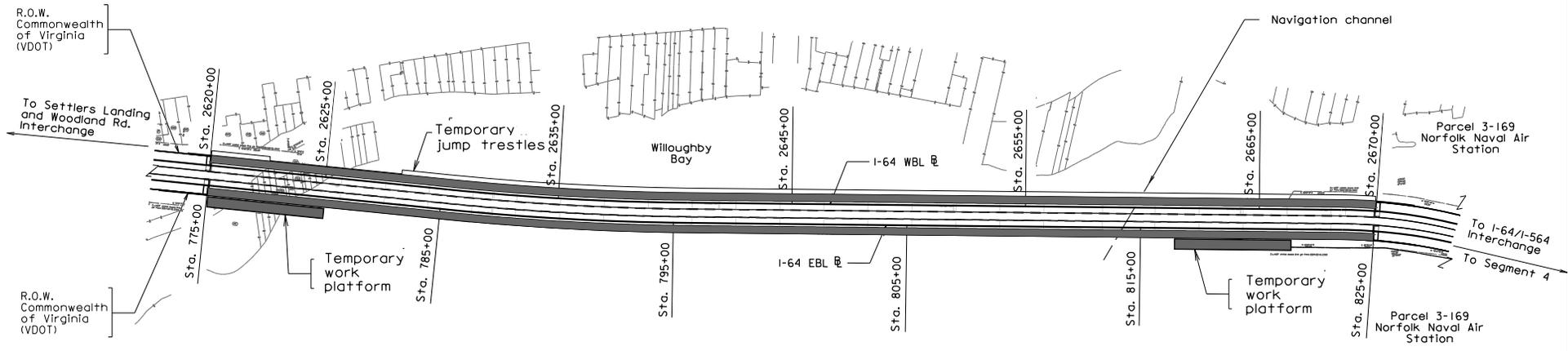
WILLOUGHBY BAY BRIDGE
CROSS SECTION - 2
NAVIGATION OPENING @ SPAN 63

I-64/US 60 (HAMPTON ROADS BELTWAY/WILLOUGHBY BAY)
RIVER MILE 1.5 OVER WILLOUGHBY BAY
CITY OF NORFOLK, VA

APPLICATION BY COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

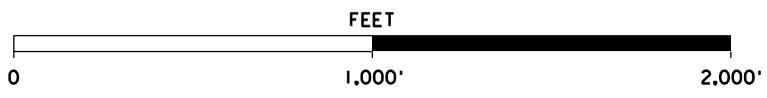
05/29/2020
DATE

SHEET NUMBER
5 OF 6



PLAN

General Notes:
 Horizontal datum: NAD83
 Vertical datum: NAVD88



TEMPORARY WORK STRUCTURES FOR CONSTRUCTION ACCESS

I-64/US 60 (HAMPTON ROADS BELTWAY/WILLOUGHBY BAY)
 RIVER MILE 1.5 OVER WILLOUGHBY BAY
 CITY OF NORFOLK, VA

05/29/2020
 DATE

APPLICATION BY COMMONWEALTH OF VIRGINIA
 DEPARTMENT OF TRANSPORTATION

SHEET NUMBER
 6 OF 6

