LEGEND

- Wetland Data Point
- Upland Data Point
- USM Break Point
- Tidal Wetland Confirmation Point

Pipe
- VMRC Line
- E1OW
- E2US2
- E2US3
- E2EM
- E2FO
- E2RF
- E2SS
- PEM
- PFO
- PSS
- PUB
- R2
- R4
- R6
- Jurisdictional Ditch
- Roadside Ditch
- Study Area

1 inch = 200 feet

July 2017
LEGEND

- Wetland Data Point
- Upland Data Point
- USM Break Point
- Tidal Wetland Confirmation Point

Pipe
- + VMRC Line
E1OW
E2US2
E2US3
E2EM
E2FO
E2RF
E2SS
PEM
PFO
PSS
PUB
R2
R4
R6
Jurisdictional Ditch
Roadside Ditch
Study Area

0 100 200 400 600
1 inch = 200 feet

July 2017

Hampton Roads Crossing Study - Wetland Delineation Maps
Map 17 of 20
July 2017

LEGEND

1 inch = 200 feet

Hampton Roads Crossing Study - Wetland Delineation Maps
Map 17 of 20
July 2017

LEGEND

1 inch = 200 feet

Hampton Roads Crossing Study - Wetland Delineation Maps
Map 17 of 20
July 2017

LEGEND

1 inch = 200 feet

Hampton Roads Crossing Study - Wetland Delineation Maps
Map 17 of 20
July 2017

LEGEND

1 inch = 200 feet

Hampton Roads Crossing Study - Wetland Delineation Maps
Map 17 of 20
July 2017

LEGEND

1 inch = 200 feet

Hampton Roads Crossing Study - Wetland Delineation Maps
Map 17 of 20
July 2017

LEGEND

1 inch = 200 feet

Hampton Roads Crossing Study - Wetland Delineation Maps
Map 17 of 20
July 2017

LEGEND

1 inch = 200 feet

Hampton Roads Crossing Study - Wetland Delineation Maps
Map 17 of 20
July 2017

LEGEND

1 inch = 200 feet

Hampton Roads Crossing Study - Wetland Delineation Maps
Map 17 of 20
July 2017

LEGEND

1 inch = 200 feet

Hampton Roads Crossing Study - Wetland Delineation Maps
Map 17 of 20
July 2017

LEGEND

1 inch = 200 feet

Hampton Roads Crossing Study - Wetland Delineation Maps
Map 17 of 20
July 2017

LEGEND

1 inch = 200 feet

Hampton Roads Crossing Study - Wetland Delineation Maps
Map 17 of 20
July 2017

LEGEND

1 inch = 200 feet

Hampton Roads Crossing Study - Wetland Delineation Maps
Map 17 of 20
July 2017

LEGEND

1 inch = 200 feet

Hampton Roads Crossing Study - Wetland Delineation Maps
Map 17 of 20
July 2017

LEGEND

1 inch = 200 feet

Hampton Roads Crossing Study - Wetland Delineation Maps
Map 17 of 20
July 2017

LEGEND

1 inch = 200 feet

Hampton Roads Crossing Study - Wetland Delineation Maps
Map 17 of 20
July 2017

LEGEND

1 inch = 200 feet

Hampton Roads Crossing Study - Wetland Delineation Maps
Map 17 of 20
July 2017

LEGEND

1 inch = 200 feet

Hampton Roads Crossing Study - Wetland Delineation Maps
Map 17 of 20
July 2017

LEGEND

1 inch = 200 feet

Hampton Roads Crossing Study - Wetland Delineation Maps
Map 17 of 20
July 2017

LEGEND

1 inch = 200 feet

Hampton Roads Crossing Study - Wetland Delineation Maps
Map 17 of 20
July 2017

LEGEND

1 inch = 200 feet

Hampton Roads Crossing Study - Wetland Delineation Maps
Map 17 of 20
July 2017

LEGEND

1 inch = 200 feet

Hampton Roads Crossing Study - Wetland Delineation Maps
Map 17 of 20
July 2017

LEGEND

1 inch = 200 feet

Hampton Roads Crossing Study - Wetland Delineation Maps
Map 17 of 20
July 2017

LEGEND

1 inch = 200 feet

Hampton Roads Crossing Study - Wetland Delineation Maps
Map 17 of 20
July 2017

LEGEND

1 inch = 200 feet

Hampton Roads Crossing Study - Wetland Delineation Maps
Map 17 of 20
July 2017

LEGEND

1 inch = 200 feet

Hampton Roads Crossing Study - Wetland Delineation Maps
Map 17 of 20
July 2017

LEGEND

1 inch = 200 feet
LEGEND

- Wetland Data Point
- Upland Data Point
- USM Break Point
- Tidal Wetland Confirmation Point

Pipe
VMRC Line
E1OW
E2US2
E2US3
E2EM
E2FO
E2RF
E2SS
PEM
PFO
PSS
PUB
R2
R4
R6
Jurisdictional Ditch
Roadside Ditch
Study Area

0 100 200 300 400 500 600
1 inch = 200 feet
PRELIMINARY JURISDICTIONAL DETERMINATION

Eastern Virginia Regulatory Section
NAO-1994-01166 (Hampton Roads/Chesapeake Bay)

Scott Smizik, Location Studies Project Manager
VDOT, Environmental Division
1401 East Broad Street
Richmond, Virginia 23219

Dear Mr. Smizik:

This letter is in regard to your request for a revised preliminary jurisdictional
determination (PJD) for waters of the U.S. (including wetlands) for Virginia Department
of Transportation (VDOT) project 0064-965-081, P101 on property known as the
Hampton Roads Crossing, located in areas within and adjacent to the VDOT right-of-
way that extends from the Route 664 interchange in Hampton to the Route 564
interchange in Norfolk, Virginia (see attached map). This preliminary jurisdictional
determination was done at your request to account for additional limits of disturbance
that will be required for the construction of managed traffic (i.e. high-occupancy toll)
lanes. Please be aware that this preliminary jurisdictional determination for the new
limits of disturbance supplements, and does not replace, the original PJD that was sent
on September 19, 2017.

The maps entitled “HRCS wetland maps parts 1 and 2”, by RK&K/VDOT dated
September 2018 and Corps date stamped as received September 28, 2018 (copy
enclosed) provide the locations of waters and wetlands on the property listed above.
The basis for this delineation includes application of the Corps’ 1987 Wetland
Delineation Manual (and Regional Supplement to the Corps of Engineers Wetland
Delineation Manual: Atlantic and Gulf Coastal Plain Region) and the positive indicators
of wetland hydrology, hydric soils, and hydrophytic vegetation and the presence of an
ordinary high water mark. This letter is not confirming the Cowardin classifications of
these aquatic resources.

Discharges of dredged or fill material, including those associated with mechanized
landclearing, into waters and/or wetlands on this site may require a Department of the
Army permit and authorization by state and local authorities including a Virginia Water
Protection Permit from the Virginia Department of Environmental Quality (DEQ), a
permit from the Virginia Marine Resources Commission (VMRC) and/or a permit from
your local wetlands board. This letter is a confirmation of the Corps preliminary
jurisdiction for the waters and/or wetlands on the subject property and does not
authorize any work in these areas. Please obtain all required permits before starting work in the delineated waters/wetland areas.

This is a preliminary jurisdictional determination and is therefore not a legally binding determination regarding whether Corps jurisdiction applies to the waters or wetlands in question. Accordingly, you may either consent to jurisdiction as set out in this preliminary jurisdictional determination and the attachments hereto if you agree with the determination, or you may request and obtain an approved jurisdictional determination. This preliminary jurisdictional determination and associated wetland delineation map may be submitted with a permit application.

Enclosed is a copy of the "Preliminary Jurisdictional Determination Form". Please review the document, sign, and return one copy to me either via email (george.a.janek@usace.army.mil) or via standard mail to US Army Corps of Engineers, Regulatory Office, ATTN: George Janek, 803 Front Street Norfolk, Virginia 23510-1096 within 30 days of receipt and keep one for your records. This delineation of waters and/or wetlands can be relied upon for no more than five years from the date of this letter. New information may warrant revision.

If you have any questions, please contact me by calling (757) 201-7135 or by emailing me at the address above.

Sincerely,

George Janek
Project Manager, Eastern Virginia
Regulatory Section

Enclosure(s):
Appeals Form
Delineation Map
Preliminary Jurisdictional Determination Form

Cc: Travis Comer, RK&K
Virginia Department of Environmental Quality, Larissa Ambrose
VMRC, Allison Norris
Figure 1-1: Refined Study Area
Appendix B: Wetland Delineation Maps
Map 1 of 20
September 2018

LEGEND
- Additional Delineation Areas
- Refined Study Area
- Roadside Ditch
- Pipe
- Wetland Data Point
- Upland Data Point

DELINEATED FEATURES
- E10W
- R1
- R2
- R4
- R6
- Tidal Ditch
- Jurisdictional Ditch
- E2US2
- E2US3

Additional Delineation Areas
Field Confirmed
July 17, 2018

Recd by Corps on 9/28/18 (GJ)
Environment Assessment
Re-Evaluation of the HRCS SEIS

Appendix B: Wetland Delineation Maps
Map 3 of 20
September 2018

**LEGEND**
- Additional Delineation Areas
- Refined Study Area
- Roadside Ditch
- Pipe
- Wetland Data Point
- Upland Data Point

**DELINEATED FEATURES**
- E10W
- E2EM
- E2FO
- E2RF
- E2SS
- PEM
- PUB
- R1
- R2
- R4
- R6
- Tidal Ditch
- Jurisdictional Ditch
- E2US2
- E2US3

**Additional Delineation Areas**
- Field Confirmed
  - July 17, 2018

**Recd by Corps on**
- 9/28/18 (GJ)
Appendix B: Wetland Delineation Maps
Map 4 of 20
September 2018

DELINEATED FEATURES

Additional Delineation Areas
Refined Study Area
Roadside Ditch
Pipe
Wetland Data Point
Upland Data Point

Additional Delineation Areas
Field Confirmed
July 17, 2018

Legend:
- Additional Delineation Areas
- Refined Study Area
- Roadside Ditch
- Pipe
- Wetland Data Point
- Upland Data Point
Environmental Assessment
Re-Evaluation of the HRCS SEIS

Appendix B: Wetland Delineation Maps
Map 5 of 20
September 2018

DELINEATED FEATURES

<table>
<thead>
<tr>
<th>Additional Delineation Areas</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Refined Study Area</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Roadside Ditch</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Pipe</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Wetland Data Point</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Upland Data Point</th>
</tr>
</thead>
</table>

Recd by Corps on 9/28/18 (GJ)

Additional Delineation Areas
Field Confirmed
July 17, 2018

1 inch = 200 feet
Environmental Assessment
Re-Evaluation of the HRCS SEIS

Appendix B: Wetland Delineation Maps
Map 6 of 20
September 2018

LEGEND

- Additional Delineation Areas
- Refined Study Area
- Roadside Ditch
- Pipe
- Wetland Data Point
- Upland Data Point

DELINEATED FEATURES

- E1OW
- R1
- R2
- R4
- R6
- Tidal Ditch
- Jurisdictional Ditch
- E2US2
- E2US3
- E2EM
- E2FO
- E2RF
- E2SS
- PEM
- PFO
- PSS
- PUB

Additional Delineation Areas
Field Confirmed
July 17, 2018

Recd by Corps on
9/28/18 (GJ)
Environmental Assessment
Re-Evaluation of the HRCS SEIS

Appendix B: Wetland Delineation Maps
Map 7 of 20
September 2018

Legend

- Additional Delineation Areas
- Refined Study Area
- Roadside Ditch
- Pipe
- Wetland Data Point
- Upland Data Point

Delineated Features

- E10W
- R1
- R2
- R4
- R6
- E2US2
- E2US3
- E2EM
- E2FO
- E2RF
- E2SS
- PEM
- PFO
- PUB
- Jurisdictional Ditch
- Tidal Ditch
- Refine Study Area
- Roadside Ditch
- Pipe

Additional Delineation Areas
Field Confirmed
July 17, 2018

Recd by Corps on 9/28/18 (GJ)
Environmental Assessment
Re-Evaluation of the HRCS SEIS

Appendix B: Wetland Delineation Maps
Map 8 of 20
September 2018

LEGEND
- Additional Delineation Areas
- Refined Study Area
- Roadside Ditch
- Pipe
- Wetland Data Point
- Upland Data Point

DELINEATED FEATURES
- E1OW
- R1
- R2
- R4
- R6
- Tidal Ditch
- Jurisdictional Ditch
- E2US2
- E2US3

Additional Delineation Areas
Field Confirmed
July 17, 2018

Received by Corps on 9/28/18 (GJ)
Environmental Assessment
Re-Evaluation of the HRCS SEIS

Appendix B: Wetland Delineation Maps
Map 9 of 20
September 2018

LEGEND
- Additional Delineation Areas
- Refined Study Area
- Roadside Ditch
- Pipe
- Wetland Data Point
- Upland Data Point

DELINEATED FEATURES
- E1OW
- E2EM
- E2FO
- E2RF
- E2SS
- PEM
- PFO
- PSS
- PUB

Additional Delineation Areas
Field Confirmed
July 17, 2018

Recd by Corps on 9/28/18 (GJ)