

Segment 1a : I-664 Widening

RECOMMENDED

TIER

I



Project Description:

Add four new southbound travel lanes through a new tunnel west of the existing tunnel and change the existing tunnel to four northbound lanes. Approximately 5 miles of roadway widened two-lanes in each direction for express lanes (high-occupancy/toll lanes).

Evaluation Highlights:

This segment has the best readiness rating, in part because it would complete the Hampton Roads Express Lane network. This segment has environmental permitting issues that include community and potential Environmental Justice impacts on the peninsula and the environmental permitting challenges of a bridge/tunnel harbor crossing.

In the quantitative analysis, this segment has the largest overall benefits to congestion and to the economy. The segment rates well on cost-effectiveness despite its high cost.

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Estimated Cost: \$3,918 Million

Project Costs are planning-level estimates in 2022 dollars.

ANALYSIS	RATING
Quantitative Findings - Benefits relative to cost	High
Qualitative Findings - Relative segment readiness	High
Qualitative Findings - Relative segment ease of permitting	Medium

? WHAT DO YOU THINK?

What are the anticipated benefits of this segment?

What are the potential burdens on the region and communities with this segment?

What are the ways to balance the benefits with the burdens for those most affected?

Your comments here!

Segment 2 : VA-164 Widening

RECOMMENDED

TIER

I



Project Description:

Widen VA-164 to six lanes, three lanes in each direction. Use existing right-of-way to the extent possible for widening VA-164.

Evaluation Highlights:

This segment rates the best on environmental permitting issues and is currently in the HRTAC plan of finance. This segment has permitting issues that include community and potential Environmental Justice impacts and local project opposition concerns.

In the quantitative analysis, this segment has by far the lowest cost, and its benefits to congestion and to the economy include improved reliability. The segment rates high on cost-effectiveness.

Estimated Cost: \$174 Million

Project Costs are planning-level estimates in 2022 dollars.

ANALYSIS	RATING
Quantitative Findings - Benefits relative to cost	High
Qualitative Findings - Relative segment readiness	Medium
Qualitative Findings - Relative segment ease of permitting	High

WHAT DO YOU THINK?

- What are the anticipated benefits of this segment?
- What are the potential burdens on the region and communities with this segment?
- What are the ways to balance the benefits with the burdens for those most affected?

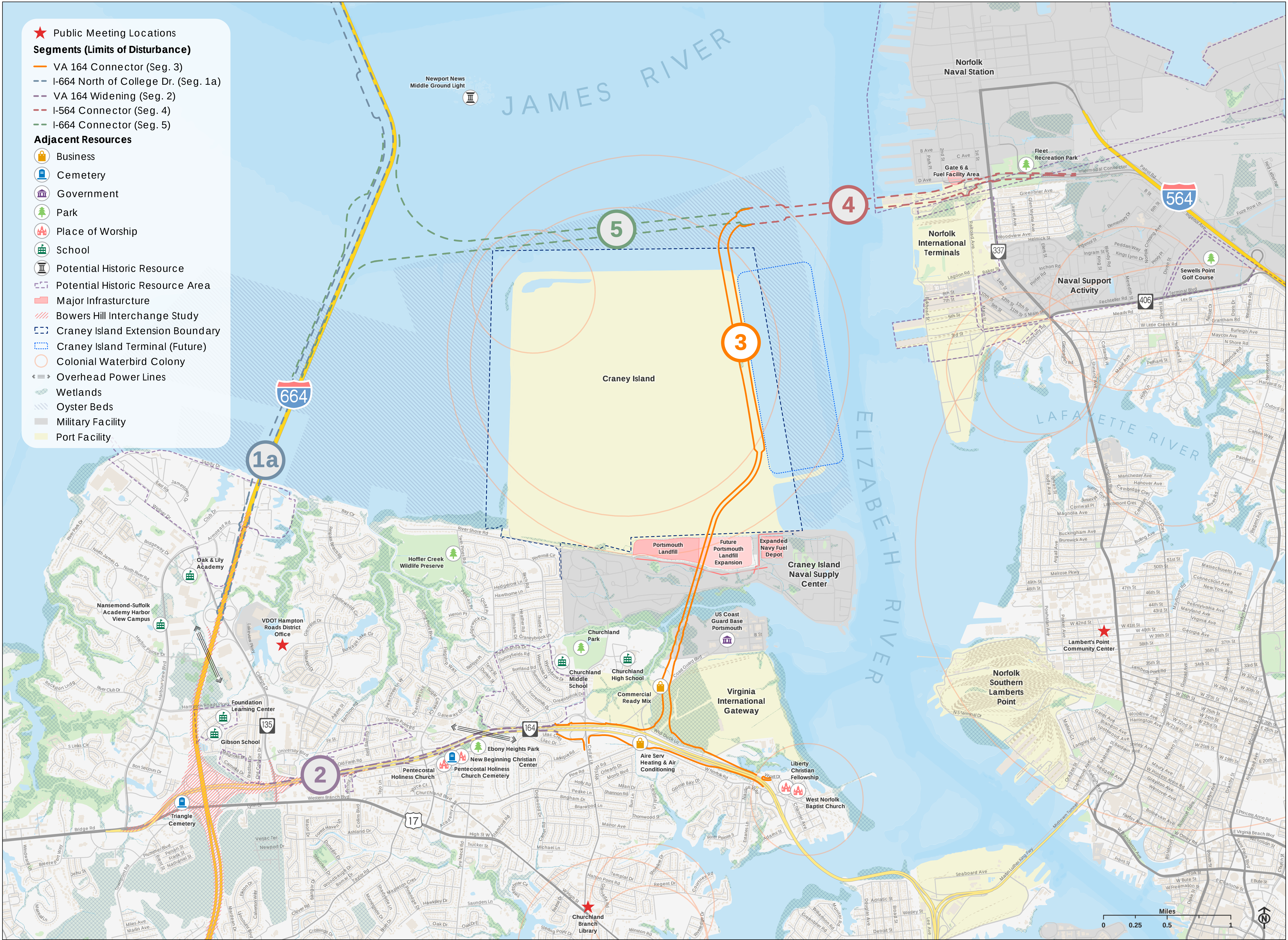
Your comments here!

Segment 3 : VA-164 Connector

RECOMMENDED

TIER

II



Project Description:

Construct a new four-lane highway, two lanes in each direction, from a new interchange at VA-164 west of Cedar Lane across Portsmouth Landfill and Craney Island. The new highway will connect to a new interchange with I-564 Connector and/or I-664 Connector over the water.

Evaluation Highlights:

This segment has significant concerns around environmental permitting because of the unique nature of Craney Island. It has a low readiness score in part because it can only be built in conjunction with other segments. The landfill and Craney Island both present uncertainties for the future timeframe in which the project can be built.

In the quantitative analysis, this segment has lower congestion and economic benefits relative to its cost.

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Estimated Cost: \$800 Million

Project Costs are planning-level estimates in 2022 dollars.

ANALYSIS	RATING
Quantitative Findings - Benefits relative to cost	Low
Qualitative Findings - Relative segment readiness	Low
Qualitative Findings - Relative segment ease of permitting	Low

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WHAT DO YOU THINK?

- What are the anticipated benefits of this segment?
- What are the potential burdens on the region and communities with this segment?
- What are the ways to balance the benefits with the burdens for those most affected?

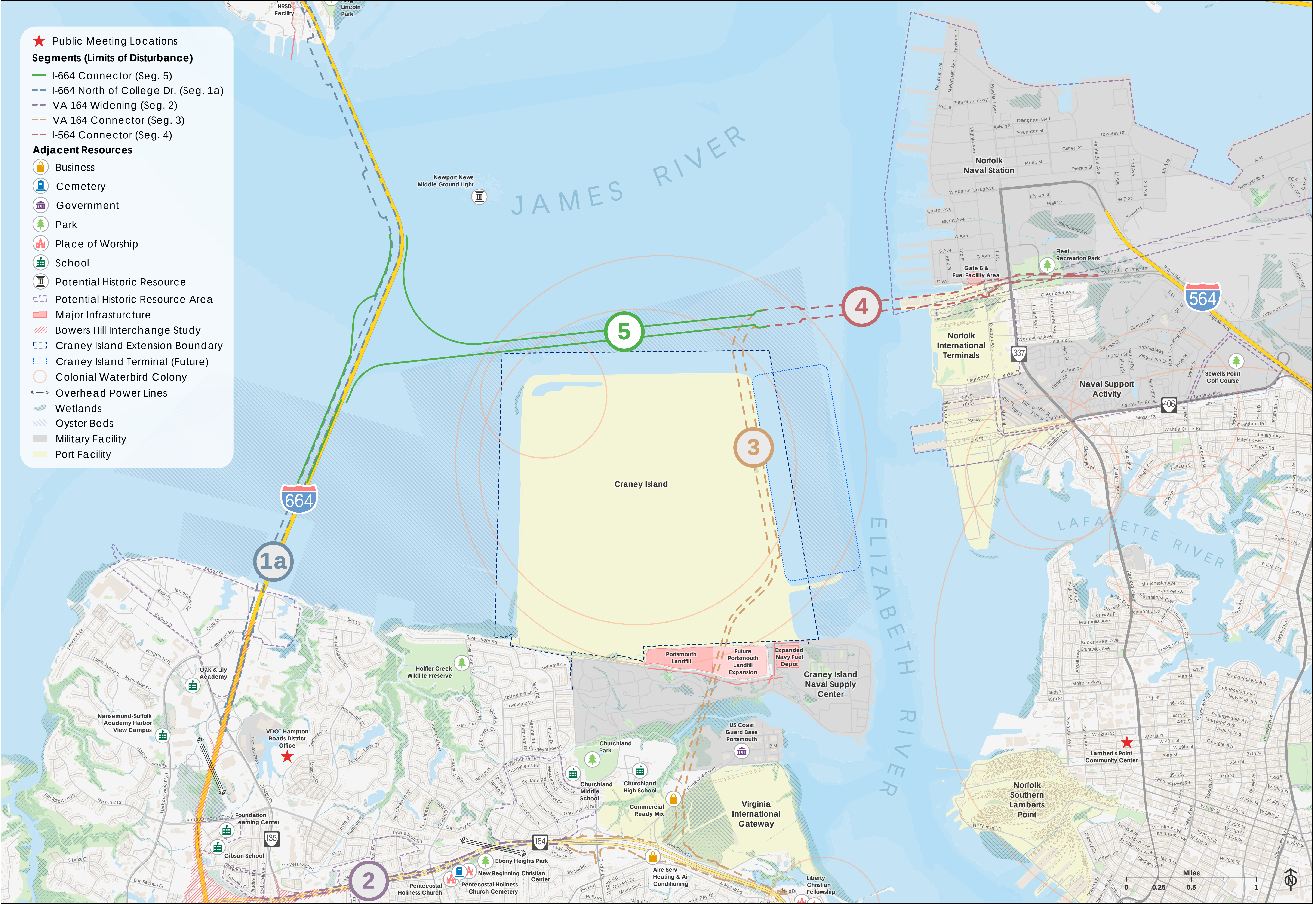
Your comments here!

Segment 5 : I-664 Connector

RECOMMENDED

TIER

II



Project Description:

Construct a new four-lane highway, two lanes in each direction, from I-664 to a new mid-harbor island connection to I-564 Connector and/or VA-164 Connector.

Evaluation Highlights:

This segment has significant concerns around environmental permitting because of the project's proposed bridge and proximity to Craney Island. It has a low readiness score in part because it can only be built in conjunction with other segments.

In the quantitative analysis, this segment has lower congestion and economic benefits relative to its cost.

Estimated Cost: \$1,534 Million

Project Costs are planning-level estimates in 2022 dollars.

ANALYSIS	RATING
Quantitative Findings - Benefits relative to cost	Low
Qualitative Findings - Relative segment readiness	Low
Qualitative Findings - Relative segment ease of permitting	Low

WHAT DO YOU THINK?

- What are the anticipated benefits of this segment?
- What are the potential burdens on the region and communities with this segment?
- What are the ways to balance the benefits with the burdens for those most affected?

Your comments here!

Segment 4 : I-564 Connector

RECOMMENDED

TIER

II



Project Description:

Construct a new four-lane highway, two lanes in each direction, from I-564 using a tunnel and bridge to a new mid-harbor island connection at the VA-164 Connector and/or I-664 Connector.

Evaluation Highlights:

This segment has significant concerns around environmental permitting because of the proposed bridge-tunnel and the uncertain ability to satisfy Navy security requirements. It has a low readiness score in part because it can only be built in conjunction with other segments.

In the quantitative analysis, this segment has lower congestion and economic benefits relative to its cost.

Estimated Cost: \$3,242 Million

Project Costs are planning-level estimates in 2022 dollars.

ANALYSIS	RATING
Quantitative Findings - Benefits relative to cost	Low
Qualitative Findings - Relative segment readiness	Low
Qualitative Findings - Relative segment ease of permitting	Low

WHAT DO YOU THINK?

- What are the anticipated benefits of this segment?
- What are the potential burdens on the region and communities with this segment?
- What are the ways to balance the benefits with the burdens for those most affected?

Your comments here!