APPENDIX C: NATURAL RESOURCE MAP SET (SOUTHERN ALIGNMENTS)

RITCHIE HWY

BALTIMORE ANNAPOLIS BLVD

50 301

BALTIMORE ANNAPOLIS BLVD

Note: The lines for build alternatives limits of disturbance are illustrated as overlapping in many locations

- Sensitive Species Project Review Area (SSPRA)
- Forest Interior Dwelling Species (FIDS) Habitat
- Submerged Aquatic Vegetation (SAV)
- Natural Oyster Bars
- 100-Year Floodplain
- Waterfowl Concentration and Staging Areas

Farmland Soils (Outside of Census-Designated Urban Areas)

- Prime Farmland Soil
- Farmland Soils of Statewide Importance

Critical Areas

- Intensely Developed Area (IDA)
- Limited Developed Area (LDA)
- Resource Conservation Area (RCA)
- 100' Critical Area Buffer

Wetlands

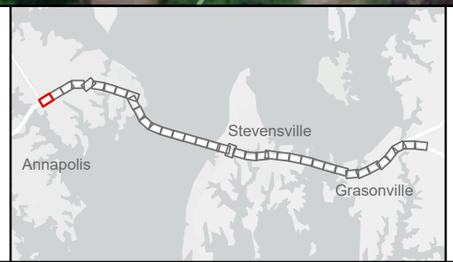
- NWI-Mapped Wetlands
- Field-Delineated Wetlands
- Field-Delineated Waterways

Limit of Disturbance

- Alternative C
- Alternative E
- Alternative G

Shared Use Path

- Alternative C&E
- Alternative G



1" = 200 Feet

0 50 100 200 300 400 Feet

MDTA Maryland Transportation Authority

Chesapeake BAY CROSSING STUDY TIER 2 NEPA

Natural Resource Map
Southern Alignments
Build Alternatives C,E and G



Sensitive Species Project Review Area (SSPRA)
Forest Interior Dwelling Species (FIDS) Habitat
Submerged Aquatic Vegetation (SAV)
Natural Oyster Bars
100-Year Floodplain
Waterfowl Concentration and Staging Areas

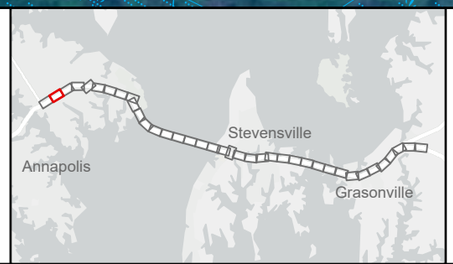
Farmland Soils (Outside of Census-Designated Urban Areas)
Prime Farmland Soil
Farmland Soils of Statewide Importance

Critical Areas
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Limited Developed Area (LDA)
Resource Conservation Area (RCA)
100' Critical Area Buffer

Wetlands
NWI-Mapped Wetlands
Field-Delineated Wetlands
Field-Delineated Waterways

Limit of Disturbance
Alternative C
Alternative E
Alternative G

Shared Use Path
Alternative C&E
Alternative G



1" = 200 Feet

0 50 100 200 300 400 Feet

MDTA Maryland Transportation Authority

Chesapeake BAY CROSSING STUDY TIER 2 NEPA

Natural Resource Map
Southern Alignments
Build Alternatives C,E and G

OLD MILL BOTTOM RD

50 301

FERGUSON RD

OLD MILL BOTTOM RD S

Whitehall Creek

Sensitive Species Project Review Area (SSPRA)
Forest Interior Dwelling Species (FIDS) Habitat
Submerged Aquatic Vegetation (SAV)
Natural Oyster Bars
100-Year Floodplain
Waterfowl Concentration and Staging Areas

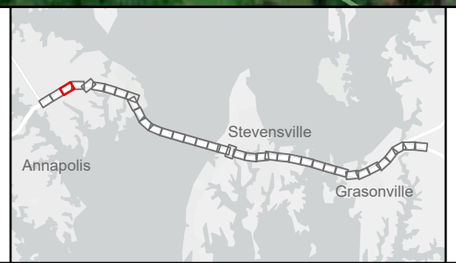
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Farmland Soils of Statewide Importance

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Limit of Disturbance
Alternative C
Alternative E
Alternative G

Shared Use Path
Alternative C&E
Alternative G



1" = 200 Feet

0 50 100 200 300 400 Feet

MDTA Maryland Transportation Authority

Chesapeake BAY CROSSING STUDY TIER 2 NEPA

Natural Resource Map
Southern Alignments
Build Alternatives C,E and G

MIDDLETOWN RD

Whitehall Creek

50 301

BUSCHS FRONTAGE RD

Whitehall Creek

ll Creek

Sensitive Species Project Review Area (SSPRA)
Forest Interior Dwelling Species (FIDS) Habitat
Submerged Aquatic Vegetation (SAV)
Natural Oyster Bars
100-Year Floodplain
Waterfowl Concentration and Staging Areas

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Field-Delineated Waterways

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Alternative E
Alternative G

Shared Use Path
Alternative C&E
Alternative G



N

1" = 200 Feet

0 50 100 200 300 400 Feet

MDTA Maryland Transportation Authority

Chesapeake BAY CROSSING STUDY TIER 2 NEPA

Natural Resource Map
Southern Alignments
Build Alternatives C,E and G

BROADNECK RD

CAPE SAINT CLAIRE RD

COLLEGE PKWY

BUSCHS FRONTAGE RD

Whitehall Creek

SAINT MARGARETS RD

HOLLY DR N

LDA

RCA

WHITEHALL RD

IDA

E COLLEGE PKWY

50

301

Sensitive Species Project Review Area (SSPRA)
Forest Interior Dwelling Species (FIDS) Habitat
Submerged Aquatic Vegetation (SAV)
Natural Oyster Bars
100-Year Floodplain
Waterfowl Concentration and Staging Areas

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Alternative C&E
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0 50 100 200 300 400 Feet

MDTA Maryland Transportation Authority

Chesapeake BAY CROSSING STUDY TIER 2 NEPA

Natural Resource Map
Southern Alignments
Build Alternatives C,E and G

E COLLEGE PKWY

STACEY LN

REVELL DOWNS DR

LDA

E COLLEGE PKWY

50 301

WHITEHALL RD

WHITEHALL RD

RCA

Sensitive Species Project Review Area (SSPRA)
Forest Interior Dwelling Species (FIDS) Habitat
Submerged Aquatic Vegetation (SAV)
Natural Oyster Bars
100-Year Floodplain
Waterfowl Concentration and Staging Areas

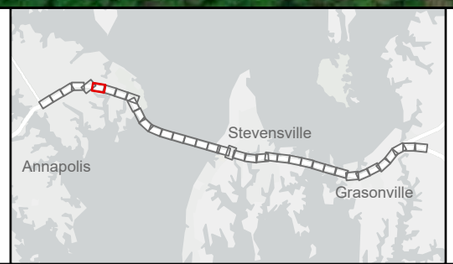
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MDTA Maryland Transportation Authority

Chesapeake BAY CROSSING STUDY TIER 2 NEPA

Natural Resource Map
Southern Alignments
Build Alternatives C,E and G



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Alternative G



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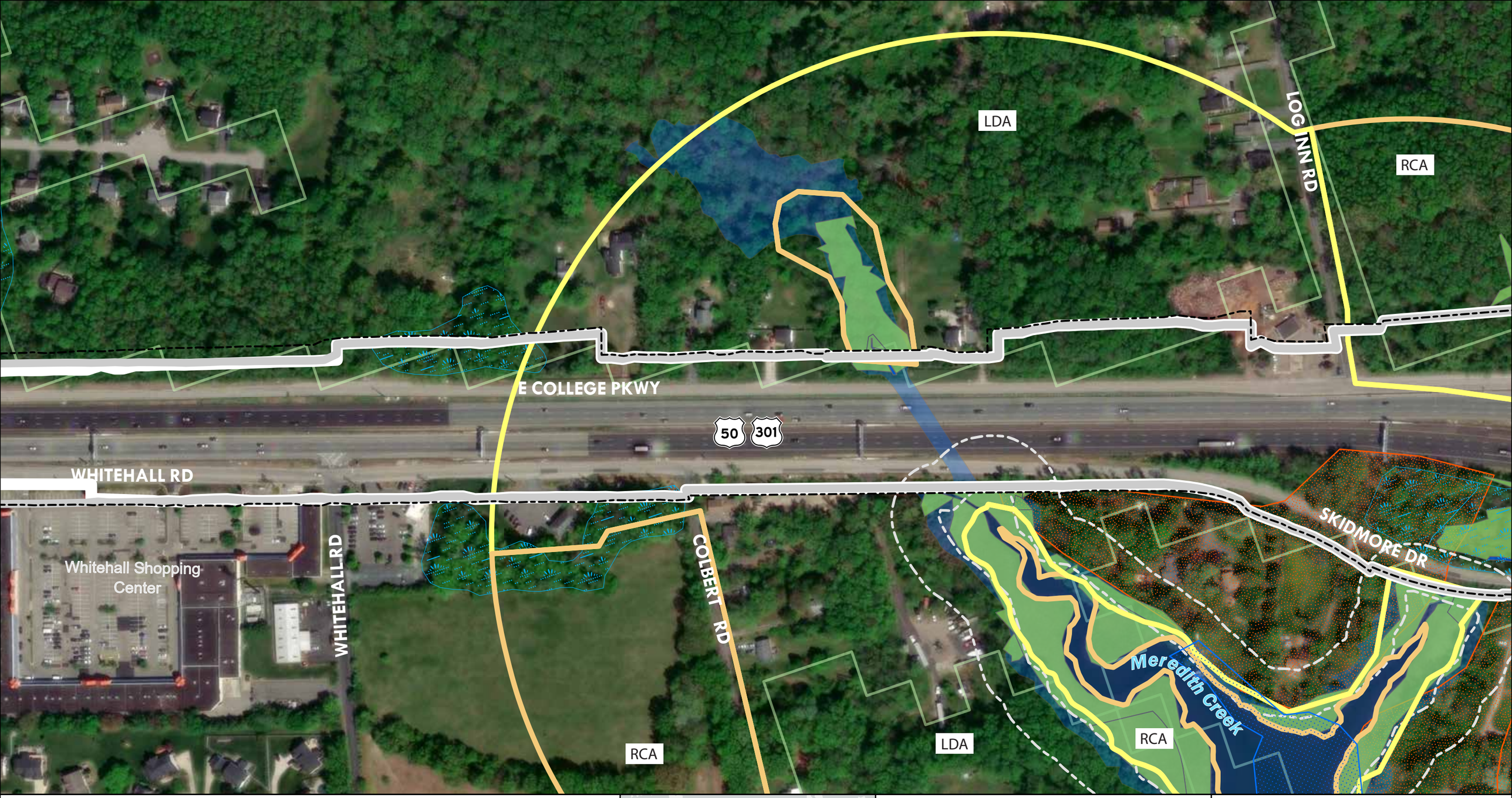
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MDTA Maryland Transportation Authority

Chesapeake BAY CROSSING STUDY TIER 2 NEPA

Natural Resource Map
Southern Alignments
Build Alternatives C,E and G



Sensitive Species Project Review Area (SSPRA)
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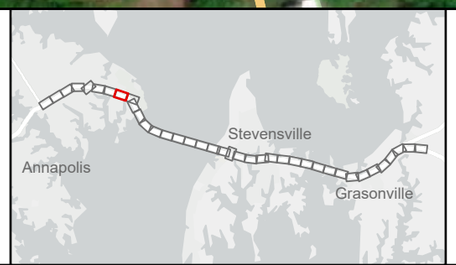
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MDTA Maryland Transportation Authority

Chesapeake BAY CROSSING STUDY TIER 2 NEPA

Natural Resource Map
Southern Alignments
Build Alternatives C,E and G

Limit of Disturbance extends beyond map limits - no resources are located in this area

RCA

MDNR Office and Police Station

RCA

E COLLEGE PKWY

Sandy Point State Park

50

301

OCEANIC DR

SKIDMORE RD

LDA

CARRS RD

LDA

Sensitive Species Project Review Area (SSPRA)
Forest Interior Dwelling Species (FIDS) Habitat
Submerged Aquatic Vegetation (SAV)
Natural Oyster Bars
100-Year Floodplain
Waterfowl Concentration and Staging Areas

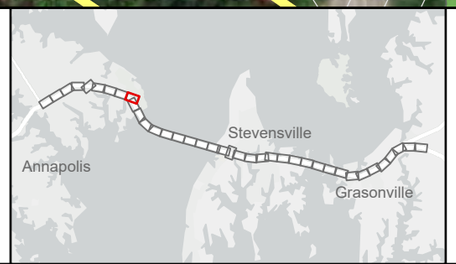
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Alternative G

Shared Use Path
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Alternative G



N

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MDTA Maryland Transportation Authority

Chesapeake BAY CROSSING STUDY TIER 2 NEPA

Natural Resource Map
Southern Alignments
Build Alternatives C,E and G

RCA

Mezick Pond

E-ZPass Stop-In Center

OCEANIC DR

50 301

OLD FERRY SHIP RD

IDA

LDA

MDTA Police Station

OCEANIC DR

Westinghouse Bay

SKIDMORE RD

RCA

RCA

RCA

Sensitive Species Project Review Area (SSPRA)
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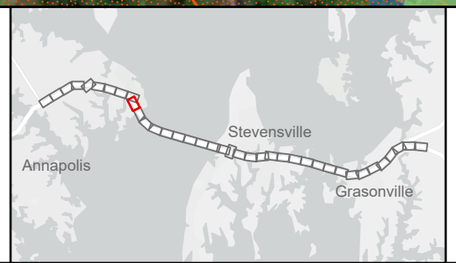
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MDTA Maryland Transportation Authority

Chesapeake BAY CROSSING STUDY TIER 2 NEPA

Natural Resource Map
Southern Alignments
Build Alternatives C,E and G

Chesapeake Bay

Mezick Pond

Sandy Point State Park

RCA

WESTBOUND

50 301

WILLIAM PRESTON LANE JR. MEMORIAL (BAY) BRIDGE

50 301

EASTBOUND

50 301

OLD FERRY SHR RD

MDTA Maintenance Facility

IDA

Westinghouse Bay

Sensitive Species Project Review Area (SSPRA)
Forest Interior Dwelling Species (FIDS) Habitat
Submerged Aquatic Vegetation (SAV)
Natural Oyster Bars
100-Year Floodplain
Waterfowl Concentration and Staging Areas

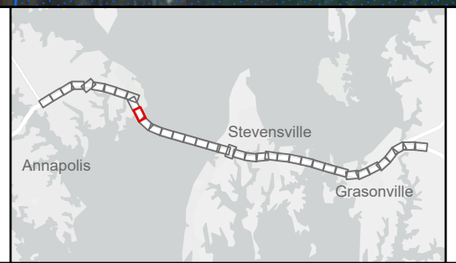
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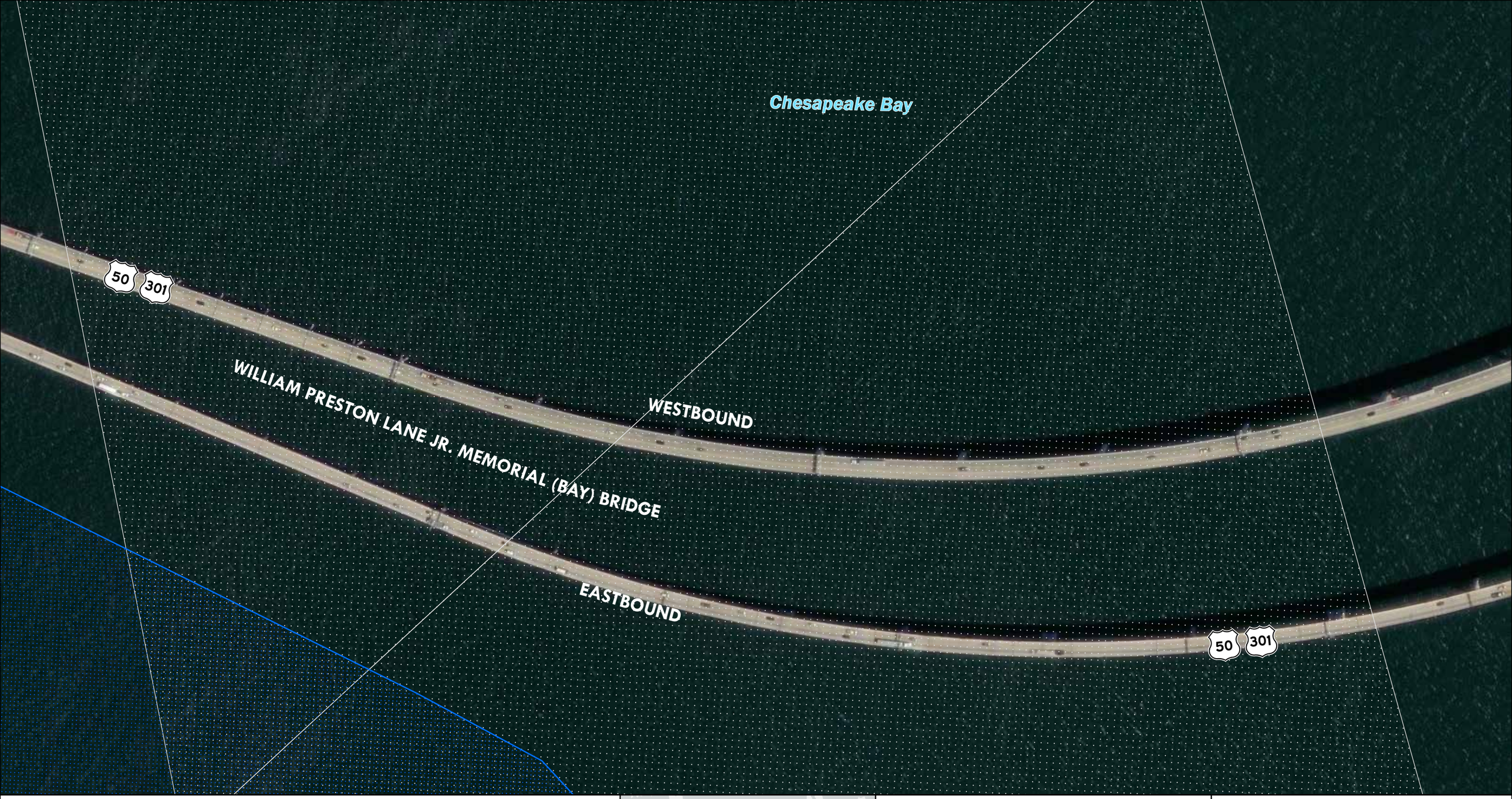
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MDTA Maryland Transportation Authority

Chesapeake BAY CROSSING STUDY TIER 2 NEPA

Natural Resource Map
Southern Alignments
Build Alternatives C,E and G



Sensitive Species Project Review Area (SSPRA)
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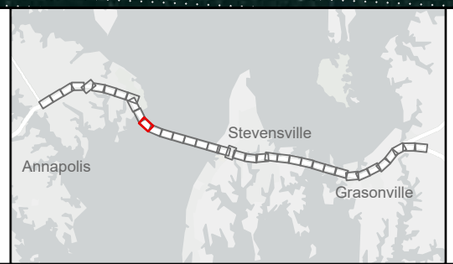
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Limit of Disturbance
Alternative C
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Alternative G

Shared Use Path
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MDTA Maryland Transportation Authority

Chesapeake BAY CROSSING STUDY TIER 2 NEPA

Natural Resource Map
Southern Alignments
Build Alternatives C,E and G

WESTBOUND

50 301

WILLIAM PRESTON LANE JR. MEMORIAL (BAY) BRIDGE

EASTBOUND

50 301

Chesapeake Bay

Sensitive Species Project Review Area (SSPRA)
Forest Interior Dwelling Species (FIDS) Habitat
Submerged Aquatic Vegetation (SAV)
Natural Oyster Bars
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Waterfowl Concentration and Staging Areas

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MDTA Maryland Transportation Authority

Chesapeake BAY CROSSING STUDY TIER 2 NEPA

Natural Resource Map
Southern Alignments
Build Alternatives C,E and G

WESTBOUND

50 301

WILLIAM PRESTON LANE JR. MEMORIAL (BAY) BRIDGE

EASTBOUND

50 301

Chesapeake Bay

Sensitive Species Project Review Area (SSPRA)
Forest Interior Dwelling Species (FIDS) Habitat
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Alternative E
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MDTA Maryland Transportation Authority

Chesapeake BAY CROSSING STUDY TIER 2 NEPA

Natural Resource Map
Southern Alignments
Build Alternatives C,E and G

WESTBOUND

50 301

WILLIAM PRESTON LANE JR. MEMORIAL (BAY) BRIDGE

EASTBOUND

50 301

Chesapeake Bay

- Sensitive Species Project Review Area (SSPRA)
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MDTA Maryland Transportation Authority

Chesapeake BAY CROSSING STUDY TIER 2 NEPA

Natural Resource Map
Southern Alignments
Build Alternatives C,E and G

WESTBOUND

50 301

WILLIAM PRESTON LANE JR. MEMORIAL (BAY) BRIDGE

EASTBOUND

50 301

Chesapeake Bay

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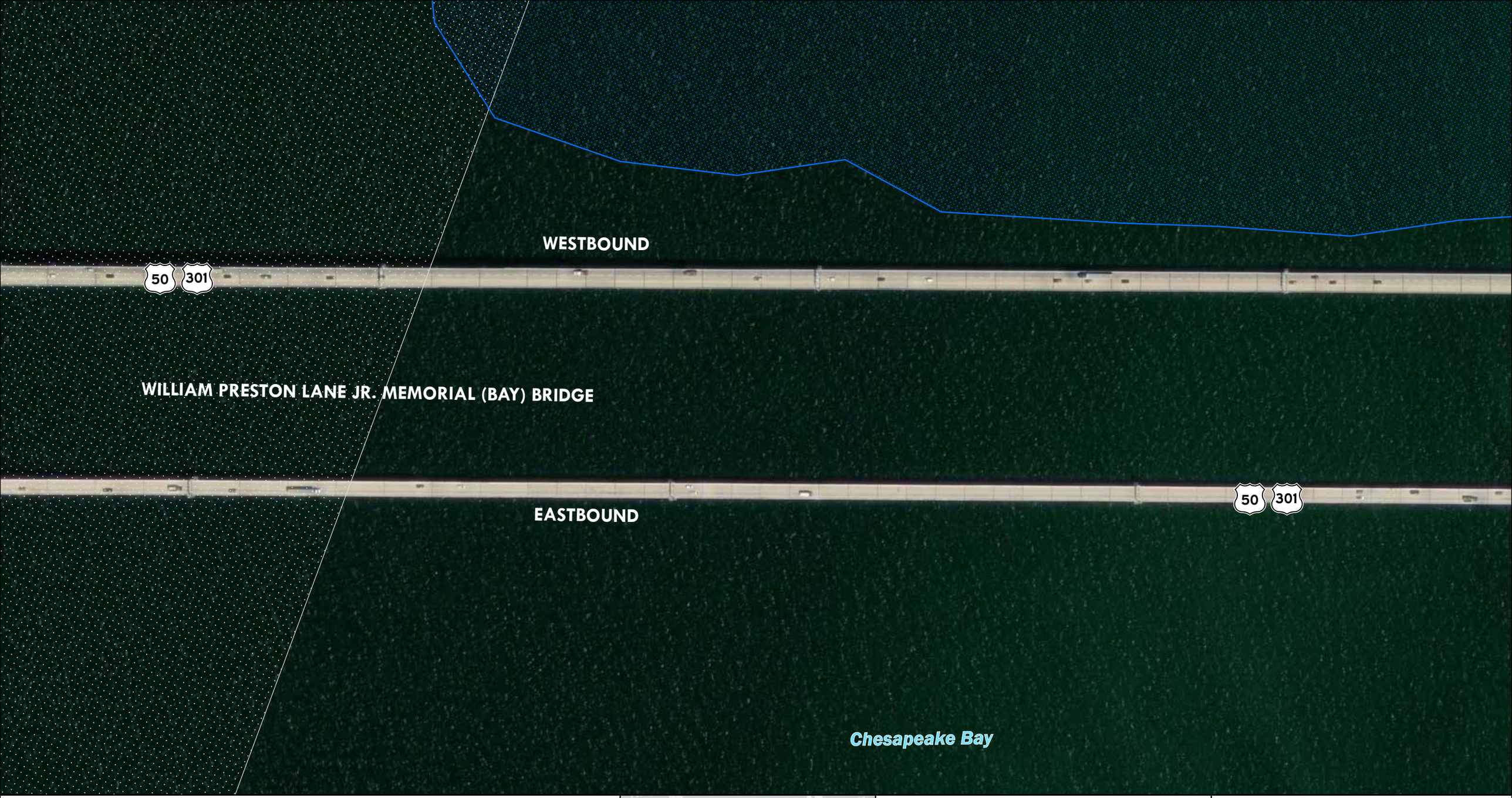
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MDTA Maryland Transportation Authority

Chesapeake BAY CROSSING STUDY TIER 2 NEPA

Natural Resource Map
Southern Alignments
Build Alternatives C,E and G



Sensitive Species Project Review Area (SSPRA)
Forest Interior Dwelling Species (FIDS) Habitat
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MDTA Maryland Transportation Authority

Chesapeake BAY CROSSING STUDY TIER 2 NEPA

Natural Resource Map
Southern Alignments
Build Alternatives C,E and G

RCA

Terrapin Nature Park

IDA

50 301

50 301

50 301

PIER ONE RD

Chesapeake Bay

Bay Bridge Marina

Sensitive Species Project Review Area (SSPRA)
Forest Interior Dwelling Species (FIDS) Habitat
Submerged Aquatic Vegetation (SAV)
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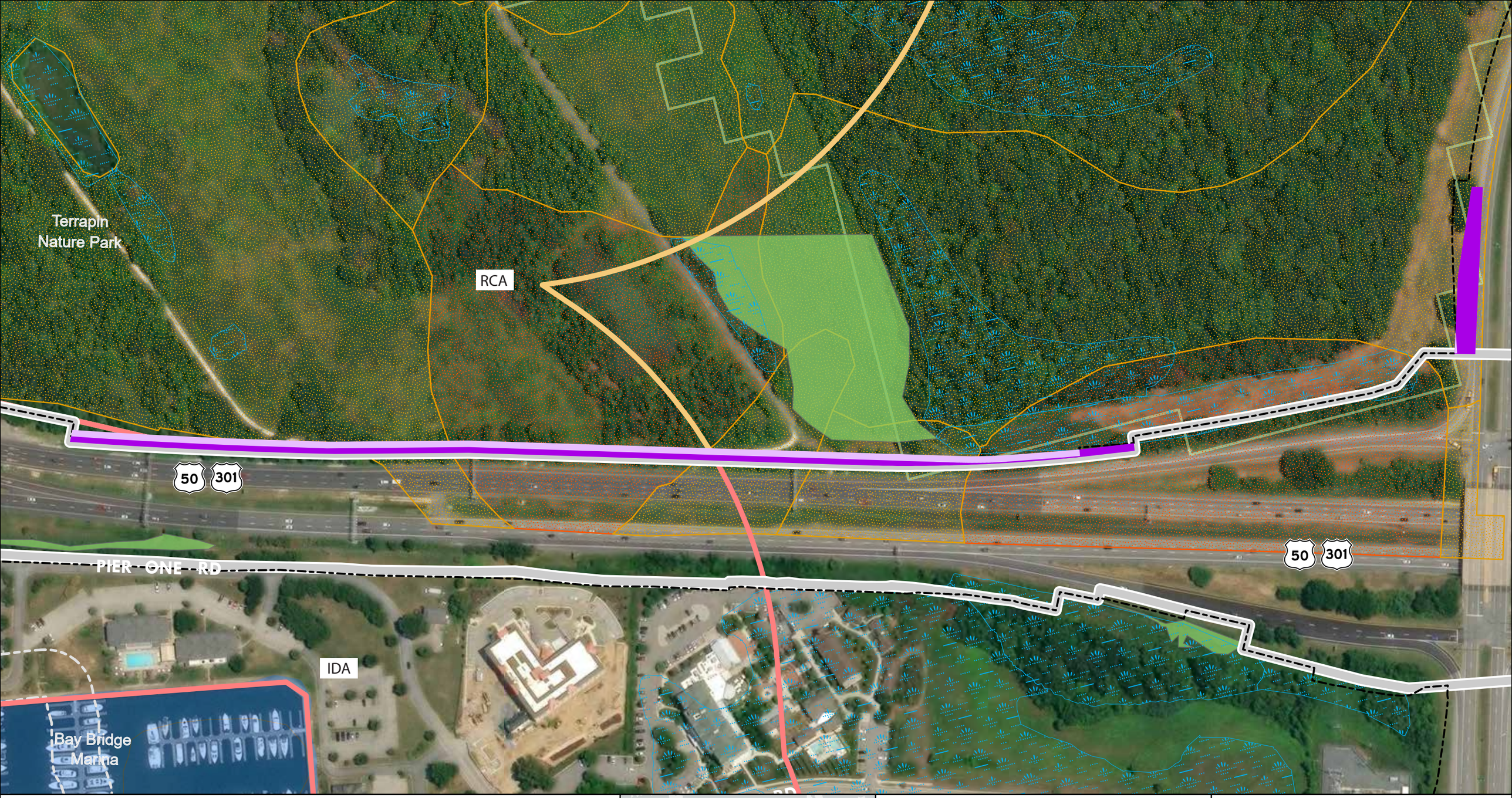
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MDTA Maryland Transportation Authority

Chesapeake BAY CROSSING STUDY TIER 2 NEPA

Natural Resource Map
Southern Alignments
Build Alternatives C,E and G



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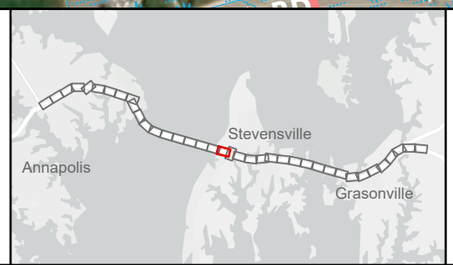
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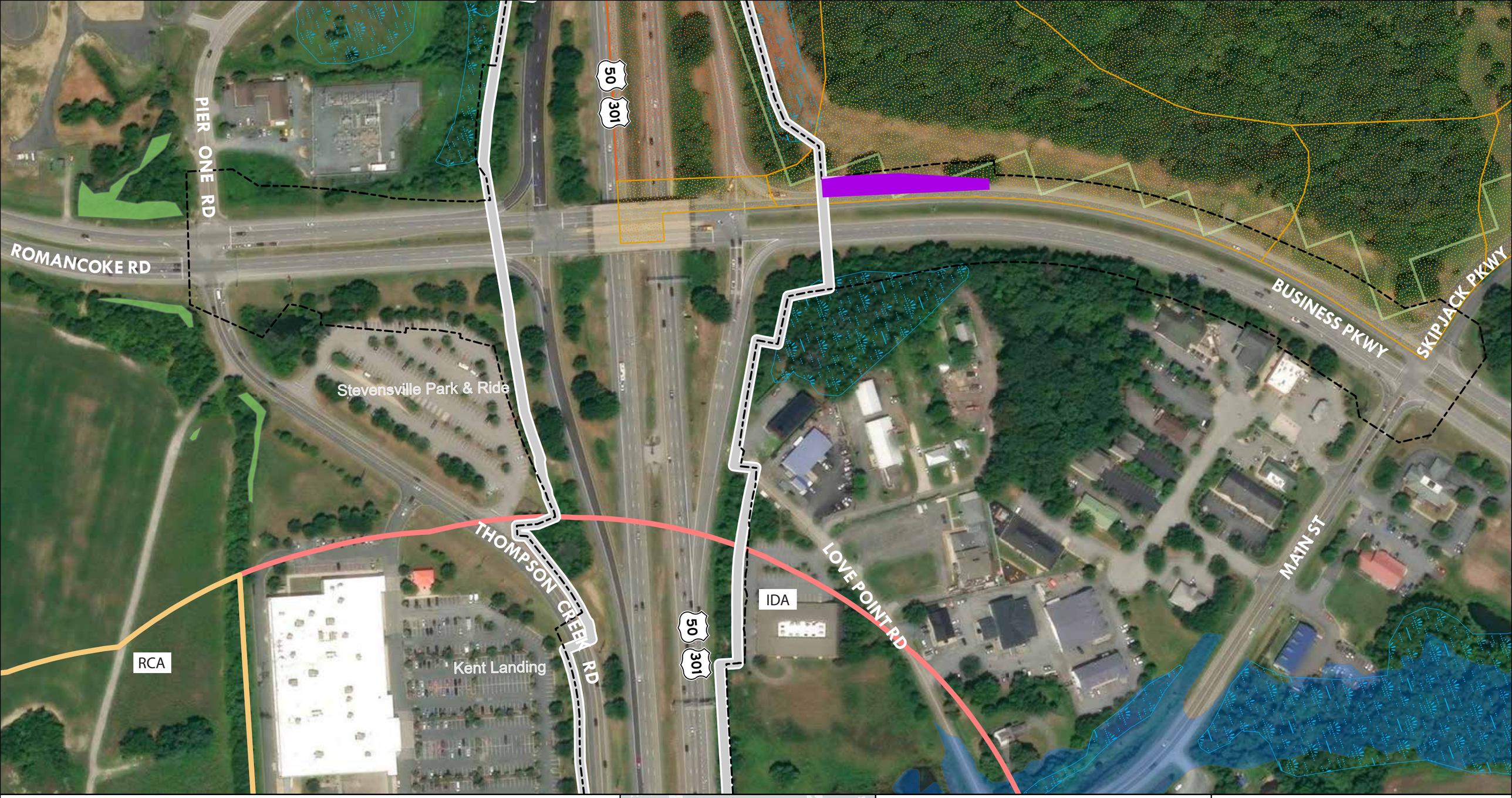
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MDTA
Maryland Transportation Authority

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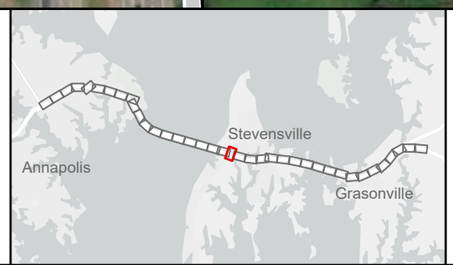
Farmland Soils (Outside of Census-Designated Urban Areas)
Prime Farmland Soil
Farmland Soils of Statewide Importance

Critical Areas
Intensely Developed Area (IDA)
Limited Developed Area (LDA)
Resource Conservation Area (RCA)
100' Critical Area Buffer

Wetlands
NWI-Mapped Wetlands
Field-Delineated Wetlands
Field-Delineated Waterways

Limit of Disturbance
Alternative C
Alternative E
Alternative G

Shared Use Path
Alternative C&E
Alternative G



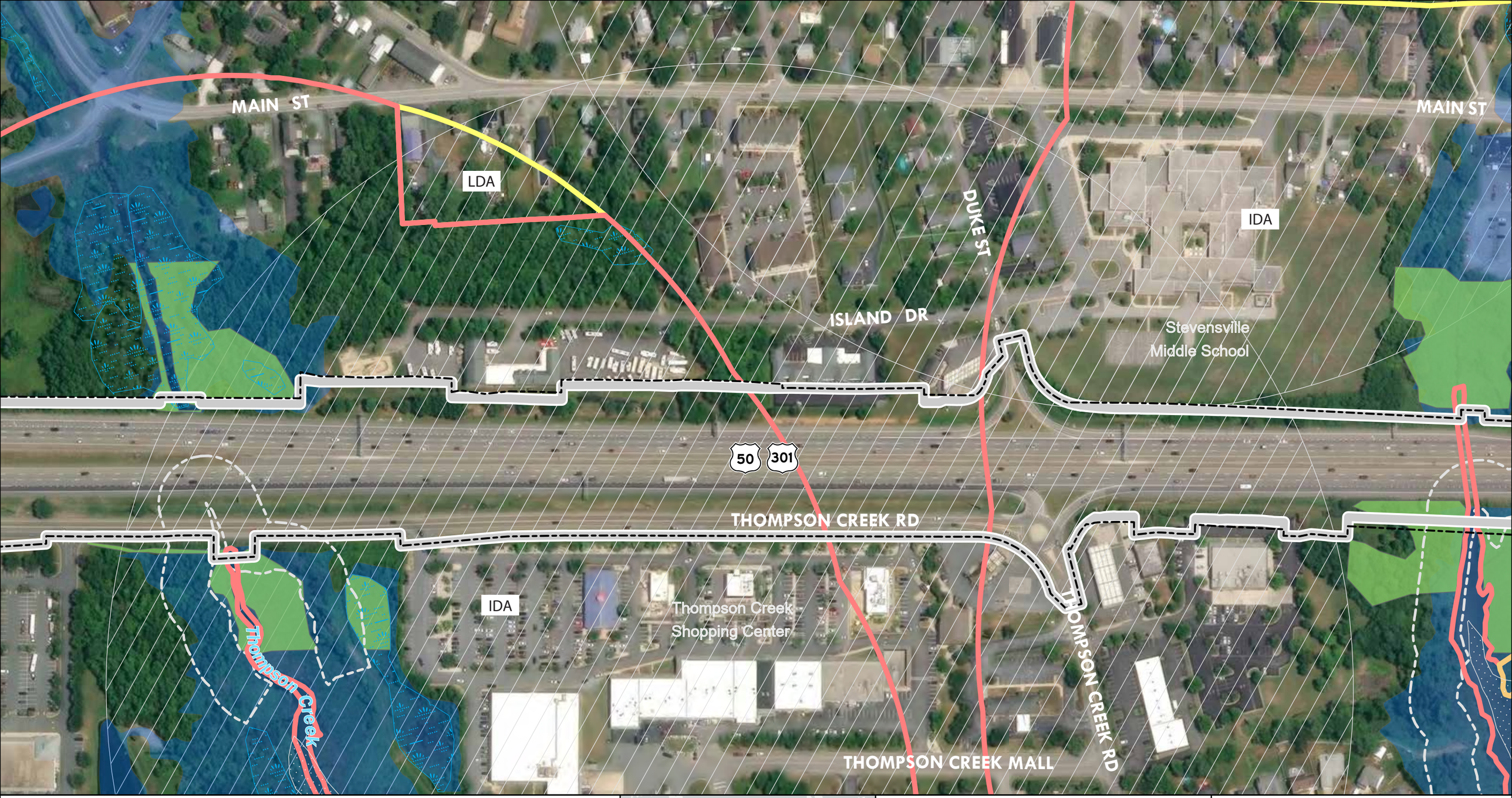
1" = 200 Feet

0 50 100 200 300 400 Feet

MDTA Maryland Transportation Authority

Chesapeake BAY CROSSING STUDY TIER 2 NEPA

Natural Resource Map
Southern Alignments
Build Alternatives C,E and G



Sensitive Species Project Review Area (SSPRA)
Forest Interior Dwelling Species (FIDS) Habitat
Submerged Aquatic Vegetation (SAV)
Natural Oyster Bars
100-Year Floodplain
Waterfowl Concentration and Staging Areas

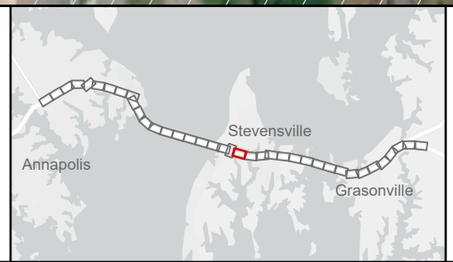
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MDTA Maryland Transportation Authority

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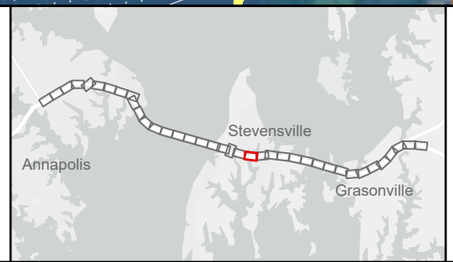
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MDTA Maryland Transportation Authority

Chesapeake BAY CROSSING STUDY TIER 2 NEPA

Natural Resource Map
Southern Alignments
Build Alternatives C,E and G

MAIN ST

LDA

IDA

Kent Island
Castle Marina Rd.
Park & Ride

ISLAND PROFESSIONAL PARK

CASTLE MARINA RD

MAIN ST

50 301

SHERMAN DR

Eastern Limit of
Alternative C

CECIL DR

POSTAL RD

ELLICOTT DR

COX NECK RD

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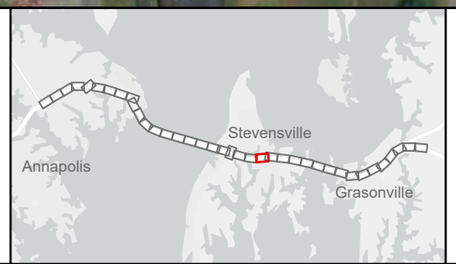
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MDTA
Maryland Transportation Authority

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Natural Resource Map
Southern Alignments
Build Alternatives C,E and G

Macum Creek

LDA

MAIN ST

IDA

CHESTER STATION LN

PINEY CREEK RD

50 301

POSTAL RD

DOMINION RD

Kent Towne Market

Sensitive Species Project Review Area (SSPRA)
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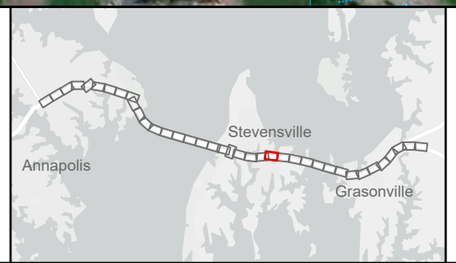
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MDTA Maryland Transportation Authority

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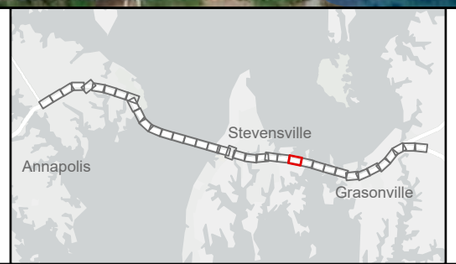
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MDTA Maryland Transportation Authority

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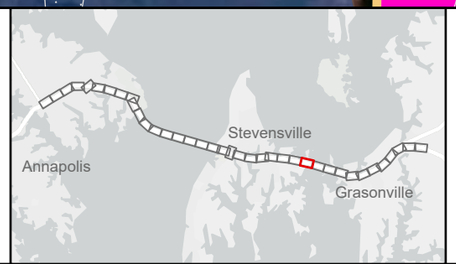
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MDTA Maryland Transportation Authority

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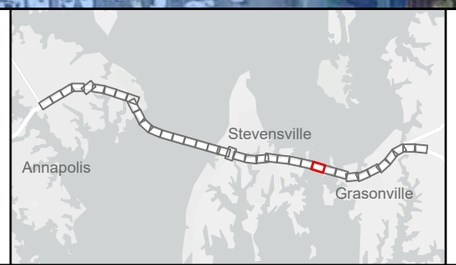
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MDTA
Maryland Transportation Authority

Chesapeake BAY CROSSING STUDY TIER 2 NEPA

Natural Resource Map
Southern Alignments
Build Alternatives C,E and G

Muddy Creek

RCA

LONG POINT RD

JACKSON CREEK LN

50 301

LDA

MAIN ST

RCA

IDA

RCA

Marshy Creek

Sensitive Species Project Review Area (SSPRA)
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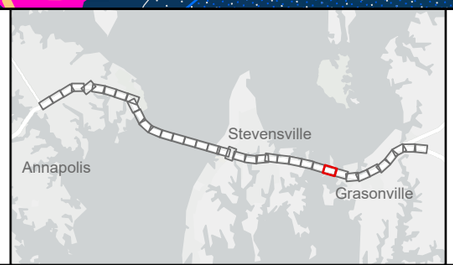
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MDTA Maryland Transportation Authority

Chesapeake BAY CROSSING STUDY TIER 2 NEPA

Natural Resource Map
Southern Alignments
Build Alternatives C,E and G

JACKSON CREEK LN

LDA

JACKSON CREEK RD

Jackson Creek

WAIMEA BEACH CT

LONG POINT RD

SADDLER RD

50 301

IDA

MAIN ST

RCA

MAIN ST

Sensitive Species Project Review Area (SSPRA)
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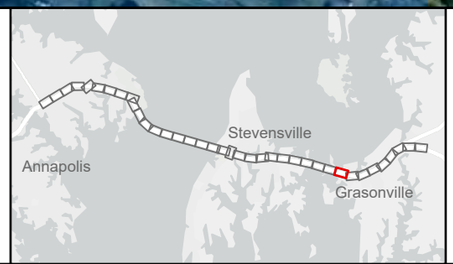
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MDTA Maryland Transportation Authority

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MDTA Maryland Transportation Authority

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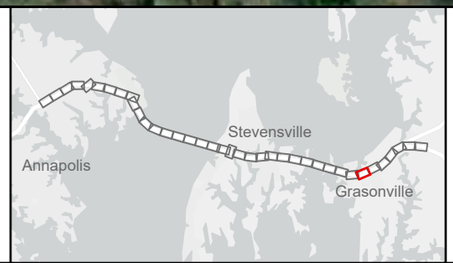
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MDTA Maryland Transportation Authority

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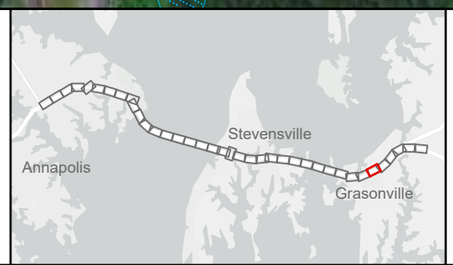
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MDTA Maryland Transportation Authority

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Natural Resource Map
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Build Alternatives C,E and G

Wesley Creek

BLACK BEARD RD

WINCHESTER CREEK RD

RCA

50 301

RCA

50 301

NESBIT RD

UM Shore Emergency Center

UM Shore Medical Pavilion

IDA

RCA

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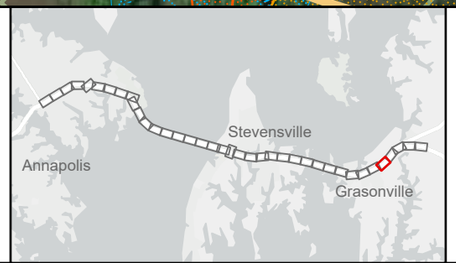
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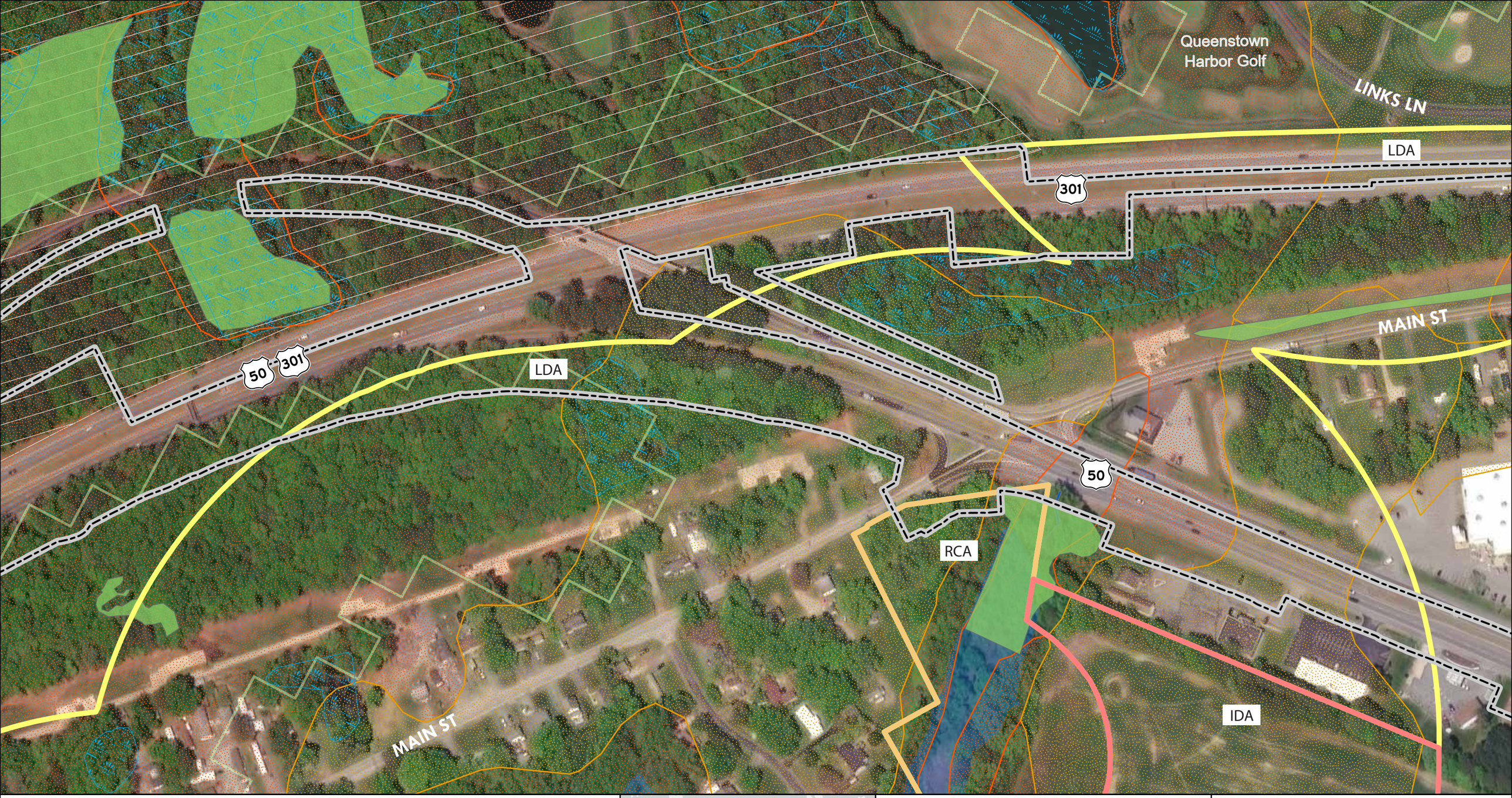
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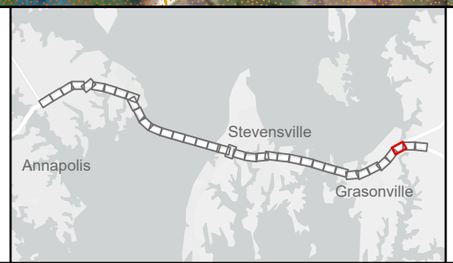
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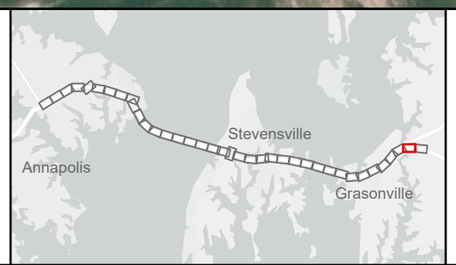
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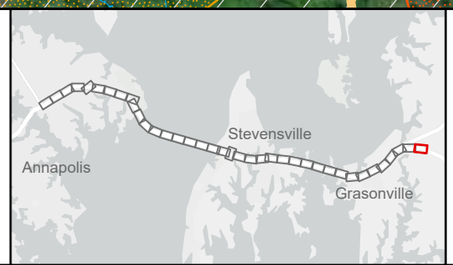
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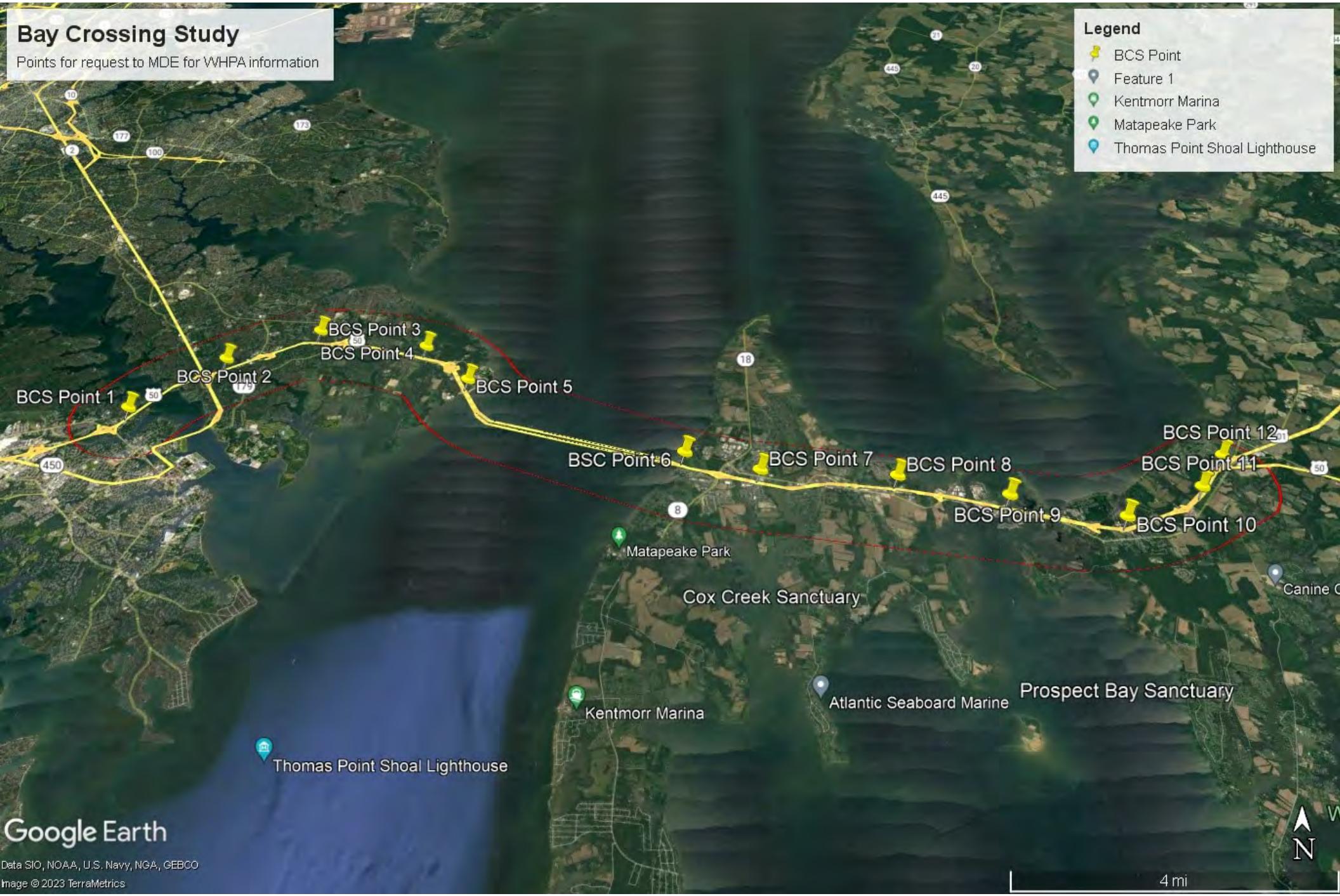
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MDTA Maryland Transportation Authority

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APPENDIX D: WHPA RESPONSE LETTERS FROM MDE


Bay Crossing Study
Points for request to MDE for WHPA information
Legend
BCS Point
Feature 1
Kentmorr Marina
Matapeake Park
Thomas Point Shoal Lighthouse
BCS Point 1
BCS Point 2
BCS Point 3
BCS Point 4
BCS Point 5
BSC Point 6
BCS Point 7
BCS Point 8
BCS Point 9
BCS Point 10
BCS Point 11
BCS Point 12
Matapeake Park
Cox Creek Sanctuary
Kentmorr Marina
Atlantic Seaboard Marine
Prospect Bay Sanctuary
Thomas Point Shoal Lighthouse
Google Earth
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image © 2023 TerraMetrics
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Maryland
Department of
the Environment

Wes Moore, Governor
Aruna Miller, Lt. Governor

Serena McIlwain, Secretary
Suzanne E. Dorsey, Deputy Secretary

1800 Washington Boulevard | Suite 620 | Baltimore, MD 21230 | 1-800-633-6101 | 410-537-3000 | TTY Users 1-800-735-2258

www.mde.maryland.gov

February 22, 2024

Ms. Angela Chaisson
AECOM
4 North Park Drive
Suite 300
Hunt Valley, MD 21030

RE: Tracking Number: 2024-00132
Request Received January 16, 2024
WHPA locations within a one-mile radius of point described in "Other Request Information" below.
WHPA locations within a one-mile radius of point described in "Other Request Information" below.
WHPA locations within a one-mile radius of point described in "Other Request Information" below.
WHPA locations within a one-mile radius of point described in "Other Request Information" below.
WHPA locations within a one-mile radius of point described in "Other Request Information" below.

Dear Ms. Chaisson:

The Maryland Department of the Environment (MDE) received your recent request for information under the Public Information Act (PIA).

After conducting a thorough search of our files, MDE has no records responsive to your request. There were no charges incurred as a result of this search.

When requesting information regarding this request, please cite the tracking number referenced above. If you have any questions, please email me at zachary.lansing@maryland.gov.

Sincerely,

Zachary Lansing

Zachary Lansing
PIA Liaison
Water & Science Administration

Maryland
Department of
the Environment

Wes Moore, Governor
Aruna Miller, Lt. Governor

Serena McIlwain, Secretary
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www.mde.maryland.gov

February 22, 2024

Ms. Angela Chaisson
AECOM
4 North Park Drive
Suite 300
Hunt Valley, MD 21030

RE: Tracking Number: 2024-00151
Request Received January 17, 2024
WHPA locations within a one-mile radius of point described in "Other Requested Information" below.
WHPA locations within a one-mile radius of point described in "Other Request Information" below.

Dear Ms. Chaisson:

The Maryland Department of the Environment (MDE) received your recent request for information under the Public Information Act (PIA).

After conducting a thorough search of our files, MDE has no records responsive to your request. There were no charges incurred as a result of this search.

When requesting information regarding this request, please cite the tracking number referenced above. If you have any questions, please email me at zachary.lansing@maryland.gov.

Sincerely,

Zachary Lansing

Zachary Lansing
PIA Liaison
Water & Science Administration

Maryland
Department of
the Environment

Wes Moore, Governor
Aruna Miller, Lt. Governor

Serena McIlwain, Secretary
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1800 Washington Boulevard | Suite 620 | Baltimore, MD 21230 | 1-800-633-6101 | 410-537-3000 | TTY Users 1-800-735-2258

www.mde.maryland.gov

February 22, 2024

Ms. Angela Chaisson
AECOM
4 North Park Drive
Suite 300
Hunt Valley, MD 21030

RE: Tracking Number: 2024-00152
Request Received January 17, 2024
WHPA locations within a one-mile radius of point described in "Other Request Information" below.
WHPA locations within a one-mile radius of point described in "Other Request Information" below.
WHPA locations within a one-mile radius of point described in "Other Request Information" below.
WHPA locations within a one-mile radius of point described in "Other Request Information" below.
WHPA locations within a one-mile radius of point described in "Other Request Information" below.

Dear Ms. Chaisson:

The Maryland Department of the Environment (MDE) received your recent request for information under the Public Information Act (PIA).

After conducting a thorough search of our files, MDE has no records responsive to your request. There were no charges incurred as a result of this search.

When requesting information regarding this request, please cite the tracking number referenced above. If you have any questions, please email me at zachary.lansing@maryland.gov.

Sincerely,

Zachary Lansing

Zachary Lansing
PIA Liaison
Water & Science Administration