



Route 79/Davol Street Corridor Improvements

FALL RIVER

Working Group Meeting

December 19, 2019



Route 79/Davol Street Corridor Improvements – Fall River

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Agenda

- **Existing Conditions**
 - Environmental
 - Traffic
- **Recap of Alternatives**
- **Design Considerations - south end**
- **Design Considerations – north end**
- **Next steps and project schedule**
- **Comments/Feedback**

The Taunton River



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Present Day Flood Pathways



Route 79/Davol Street Corridor Improvements – Fall River

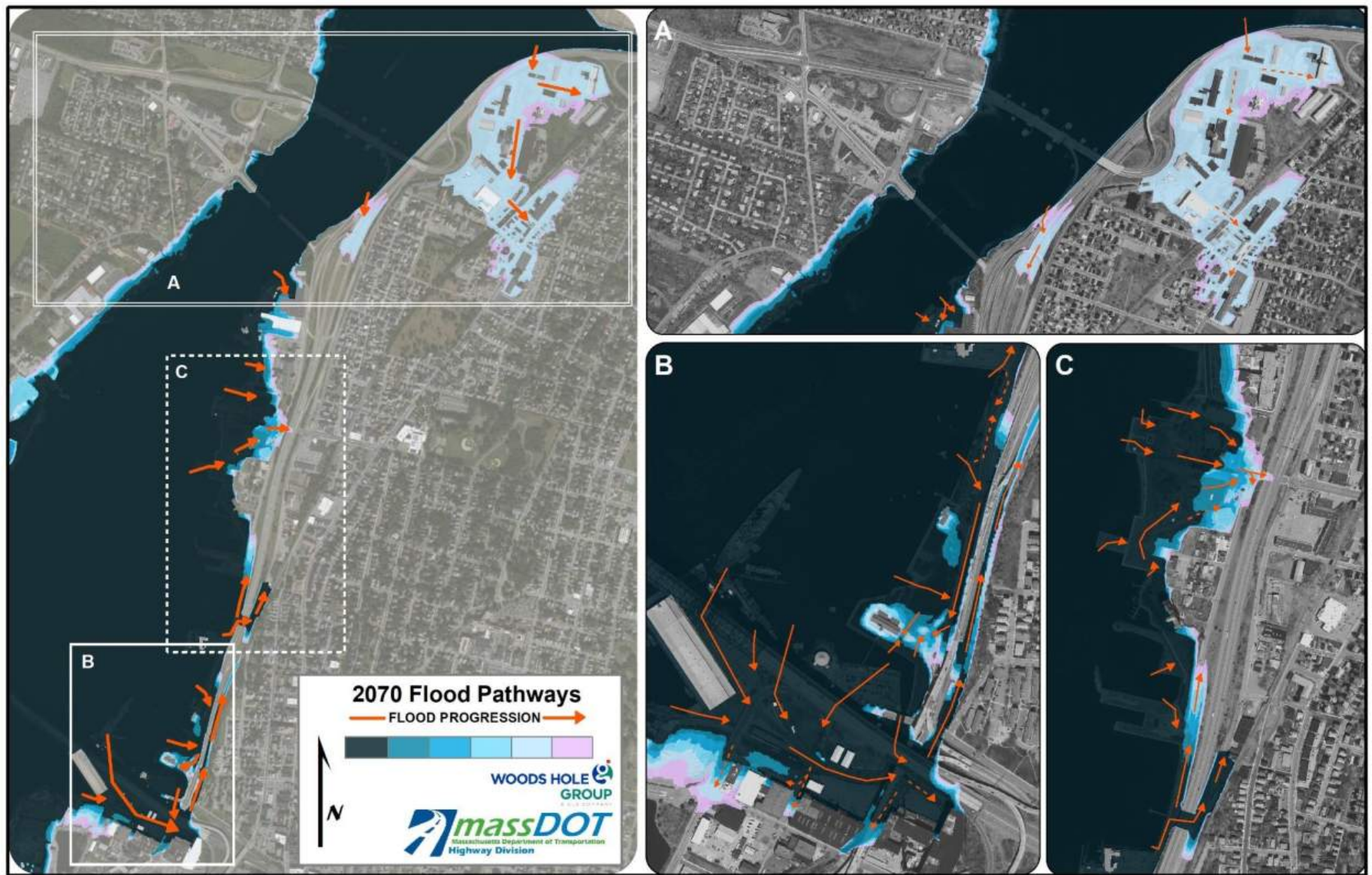
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2070 Flood Pathways



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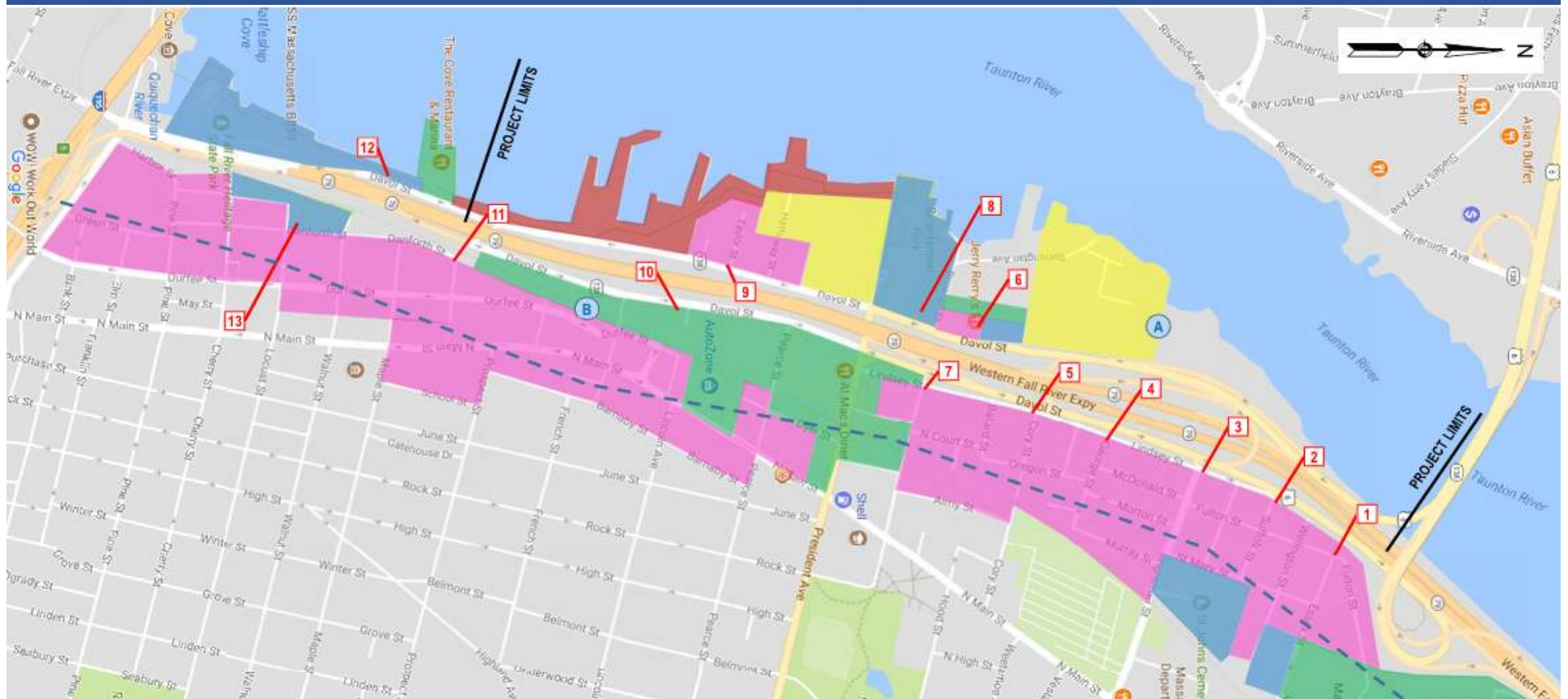
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Sensitive Noise Receptors



Proposed Noise Measurement Locations

1. Essex Street at Fulton Street
2. Suffolk Street & Lindsey Street
3. Brightman Street & Lindsey Street
4. George Street & Lindsey Street
5. Cory Street & Lindsey Street
6. 1082 Davol Street (Commonwealth Landing)
7. Brownell Street & Lindsey Street
8. Veterans Memorial Bicentennial Park
9. Taylor Street & Davol Street
10. Baylies Street & Davol Street
11. Cedar Street & Danforth Street
12. Fall River Heritage State Park
13. Locust Street & Danforth Street

Potential Development Noise Measurement Locations

- A. 1244 Davol Street (Airtec Products Corp)
- B. Davol Street & Turner Street (Unoccupied Building)

Approximate 500' Noise Analysis Boundary

Noise Activity Category

- NAC B (Residential)
- NAC C (Recreational/Institutional)
- NAC E (Commercial)
- NAC F (Industrial/Warehousing)
- NAC G (Undeveloped)

NAC A and D not within project limits

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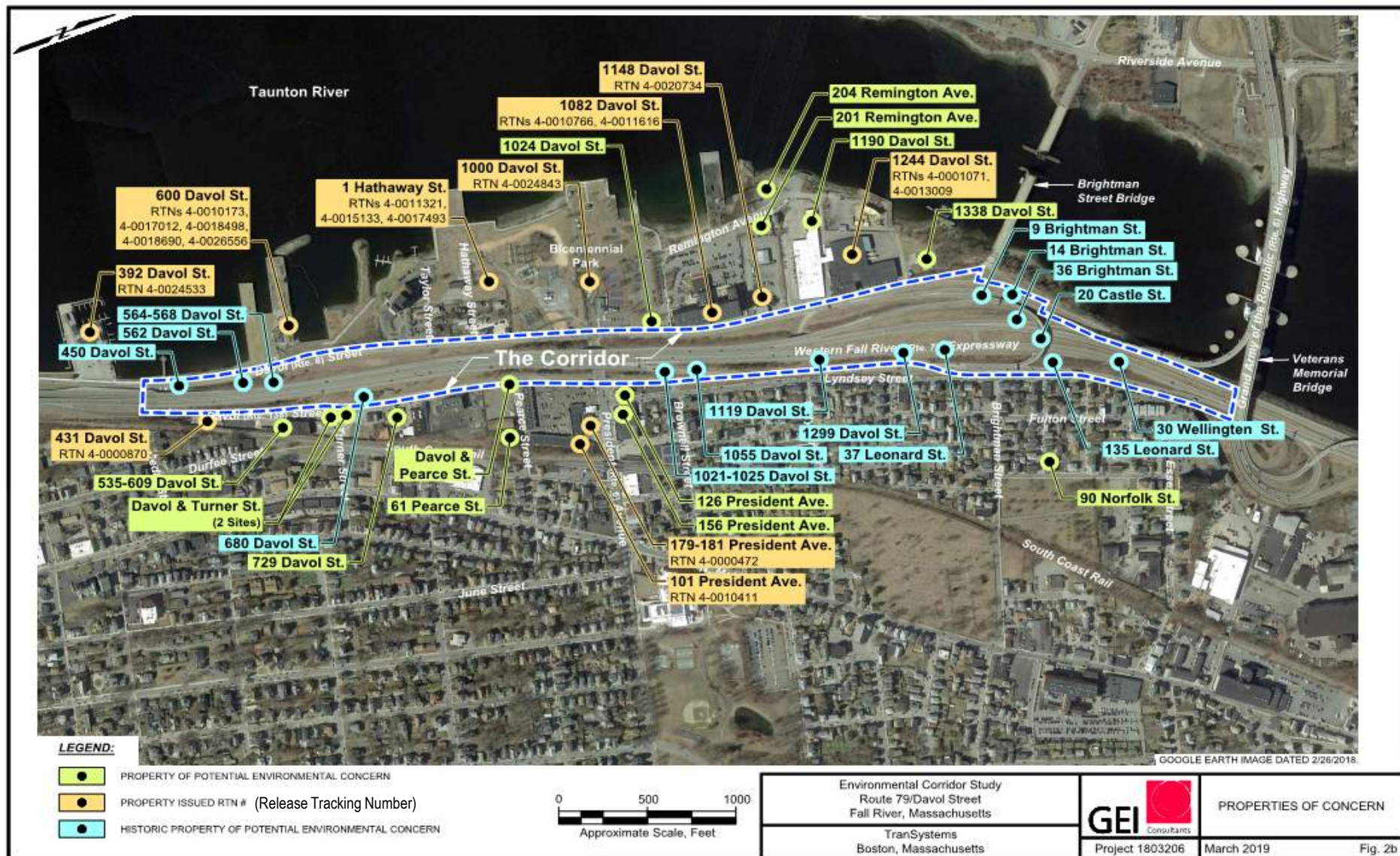
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Properties of Environmental Concern



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Travel Demand Forecasting

- ▶ **SRPEDD Socio-Economic Data for SE Region**
- ▶ **CTPS Statewide Model**
- ▶ **Corridor Subarea Model**
- ▶ **Development Forecasts from Waterfront Urban Renewal Plan by Harriman**

Traffic Operation at Signalized Intersections

Existing Levels of Service



- LOS A - C
- LOS D
- LOS E
- LOS F

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Traffic Operation at Signalized Intersections

Existing Levels of Service



- LOS A - C
- LOS D
- LOS E
- LOS F

AM | PM

2040 No-Build Levels of Service



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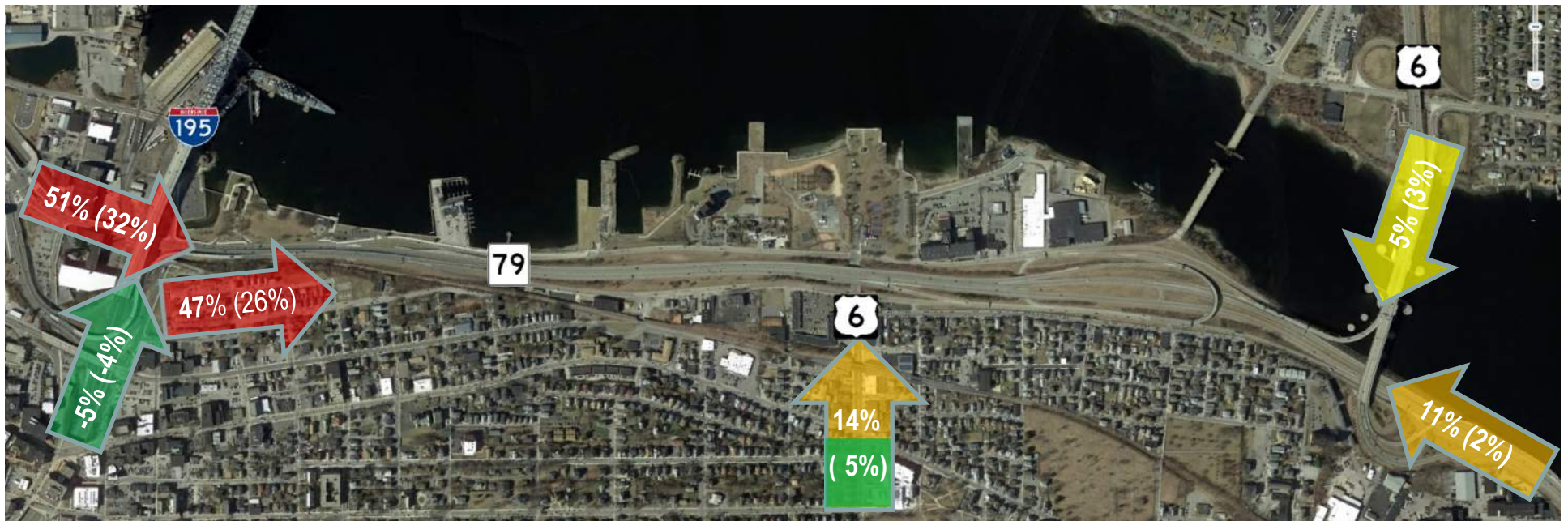
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Projected Change in Peak Hour Traffic due to Corridor Reconfiguration and Potential Development



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Rte. 79 Urban Boulevard with 2-Way Davol St.



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Rte. 79 Urban Boulevard with Davol St. Truncated



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Patrolman Edward Joaquin Overpass



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Rte. 79 Urban Boulevard with Davol St. Eliminated



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Rte. 79 Overpass north of The Cove Restaurant



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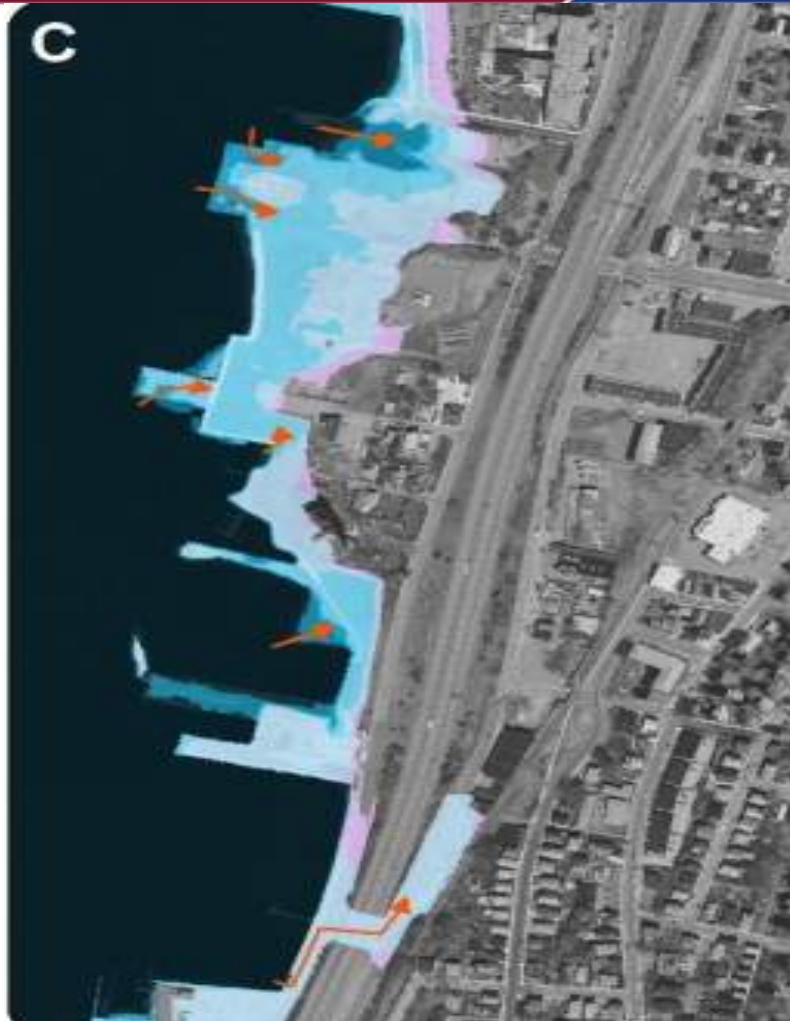
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Present Day Flood Pathways



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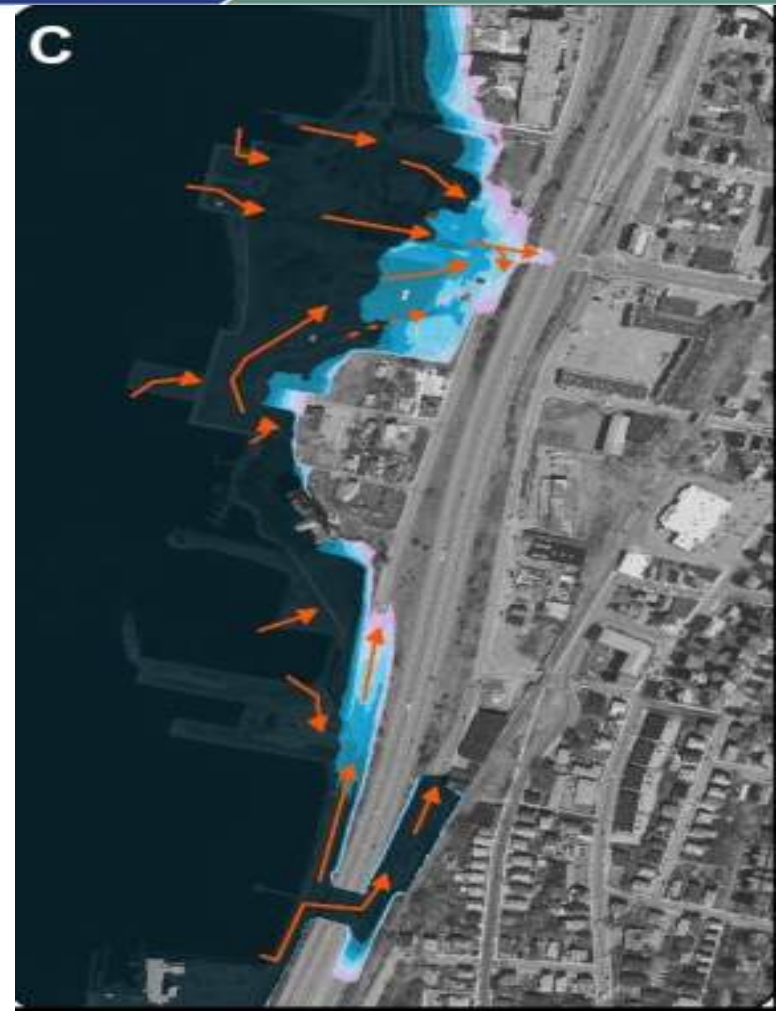
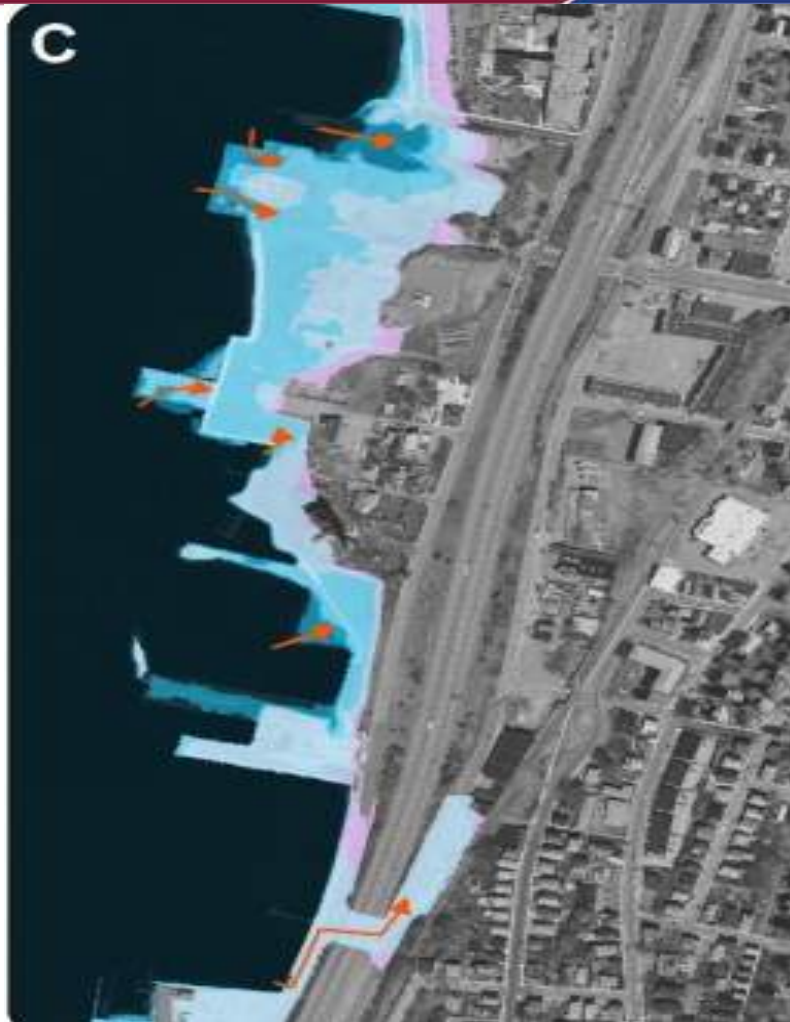


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Present Day Flood Pathways

Year 2070 Projected Flood Pathways



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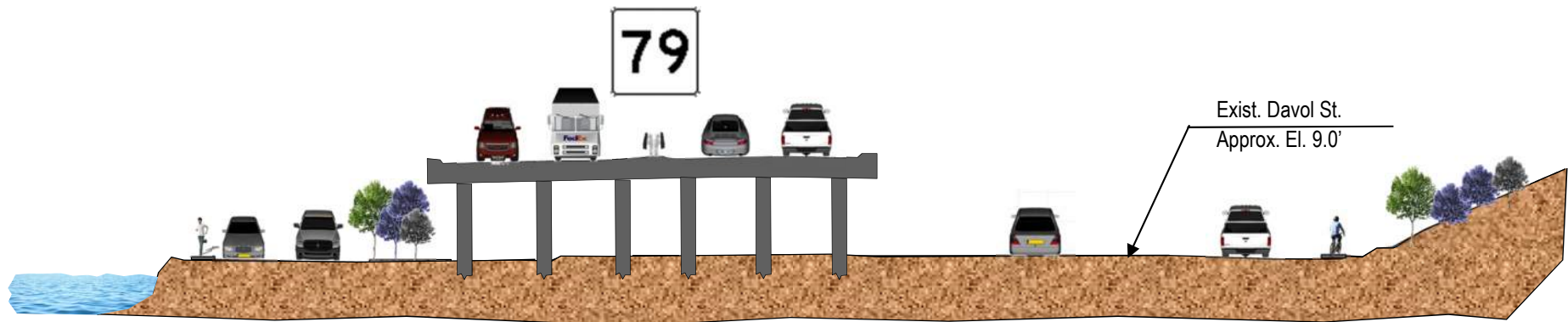
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Cross Section at Rte. 79 Overpass – Existing Conditions (Average Storm Event)



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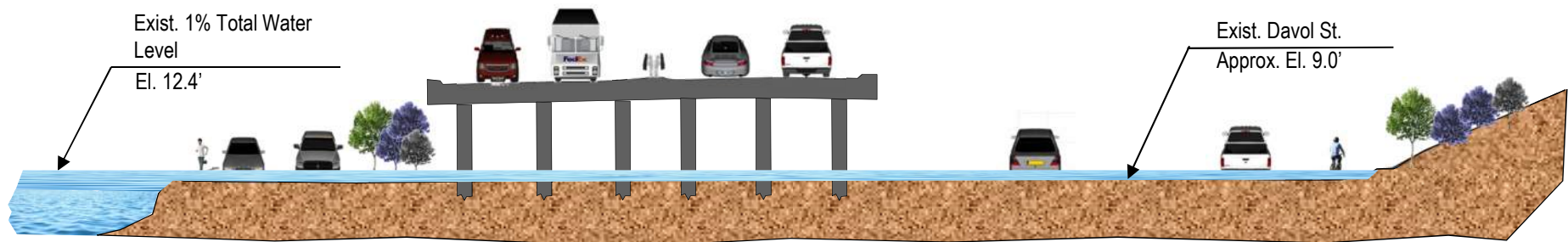
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Cross Section at Rte. 79 Overpass – Existing Conditions (100-year Storm Event)



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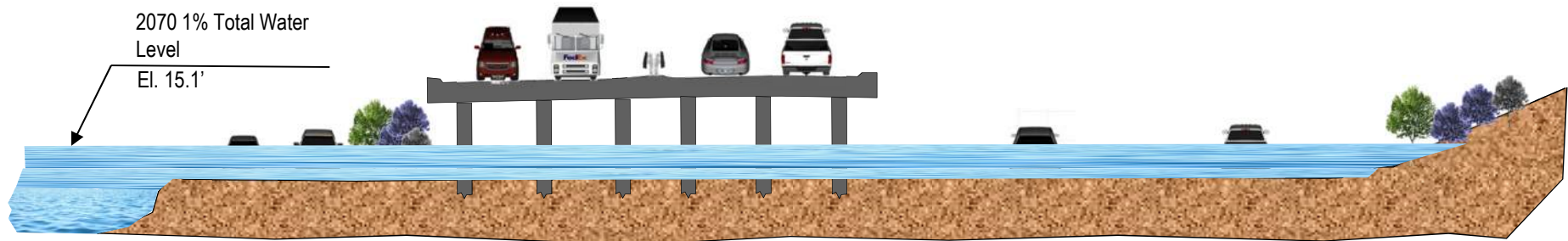
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Cross Section at Rte. 79 Overpass – Year 2070 (100-year Storm Event)



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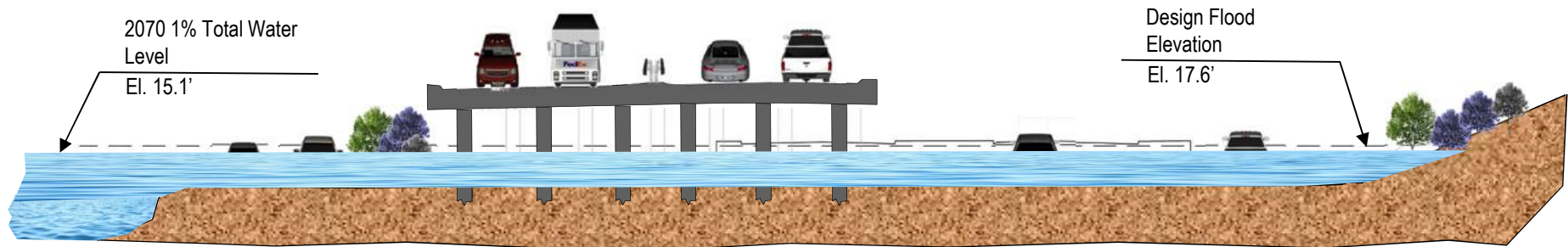
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Cross Section at Rte. 79 Overpass – Year 2070 (100-year Storm Event)



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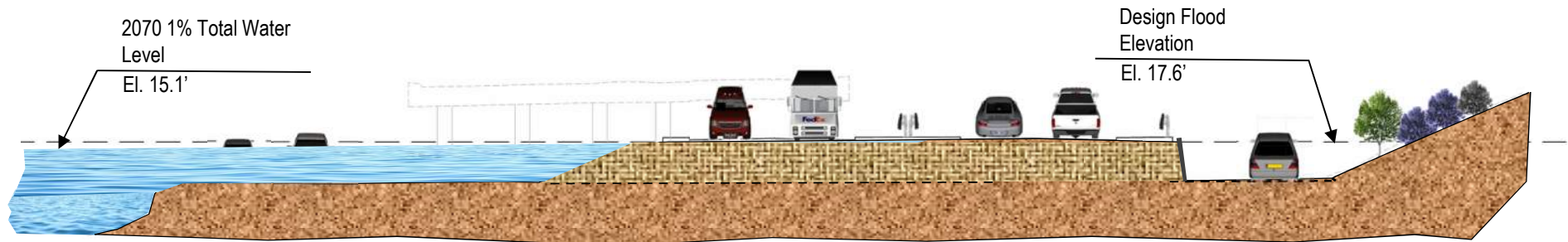
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Cross Section at Rte. 79 Overpass Demolished – Year 2070 (100-year Storm Event)



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Access to Davol St. South of Turner St.



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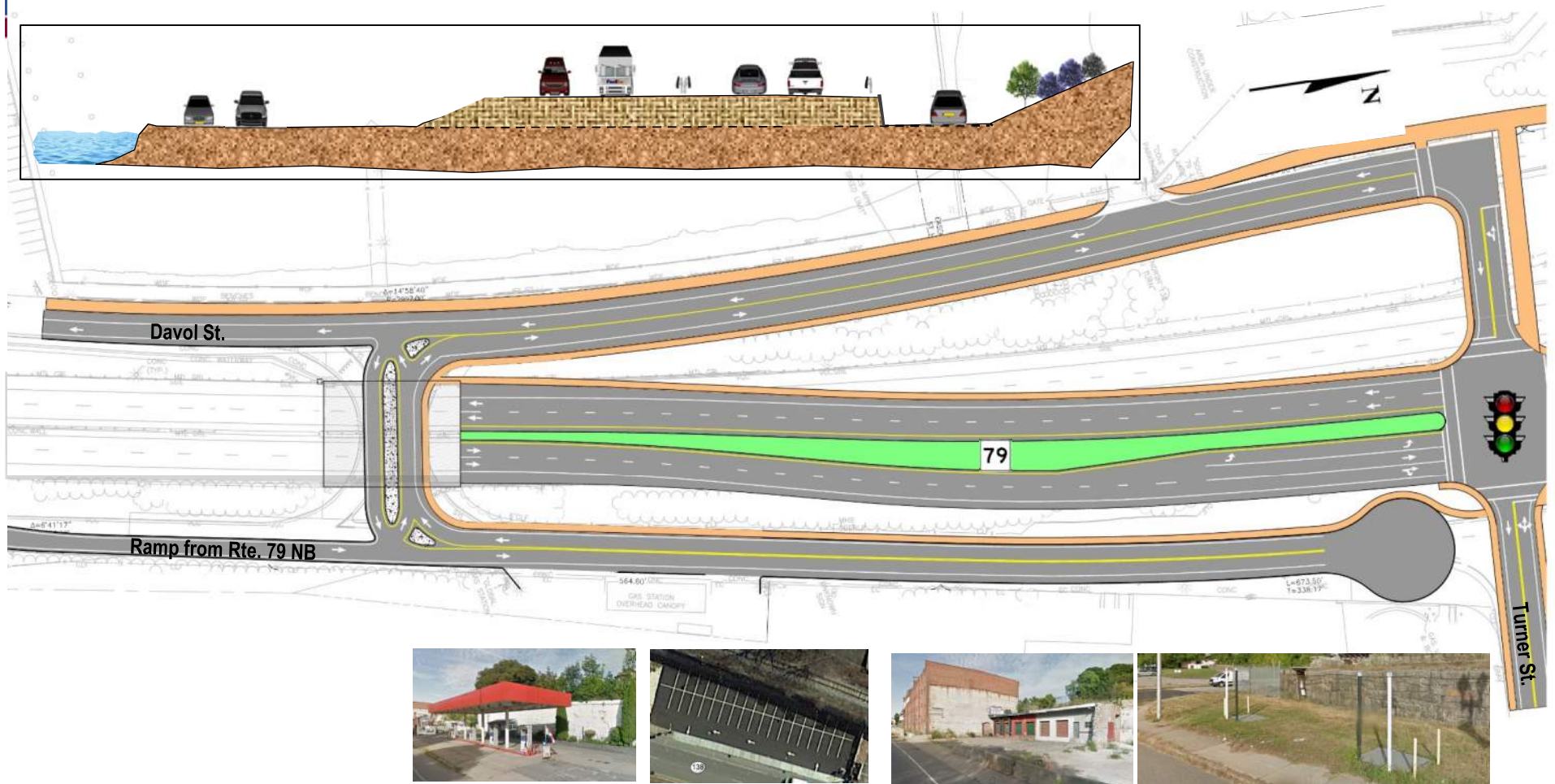
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Access to Davol St. South of Turner St.



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Rte. 79 Urban Boulevard with Davol St. Eliminated



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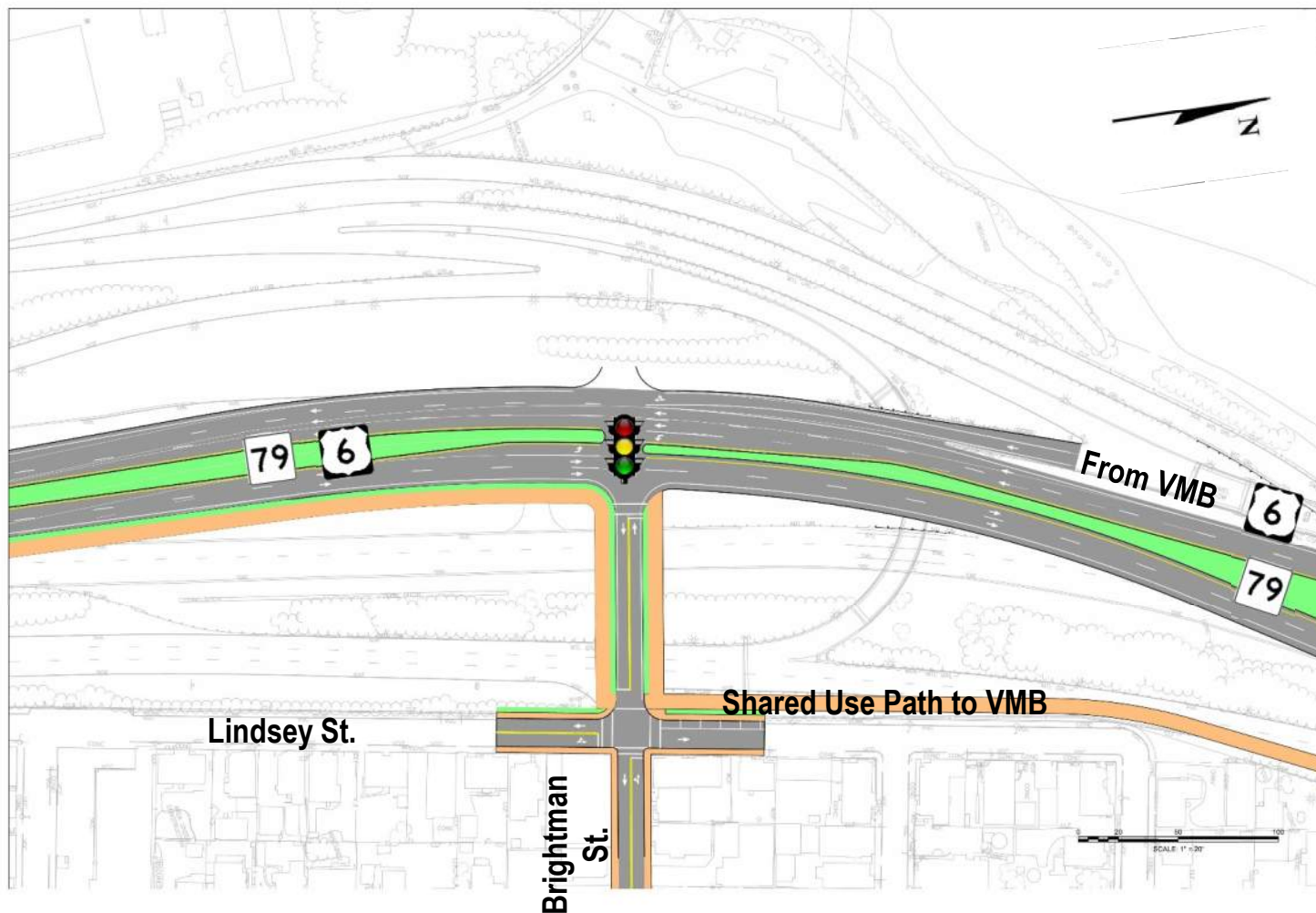
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Traffic Signal at Brightman St. (No Davol St.)



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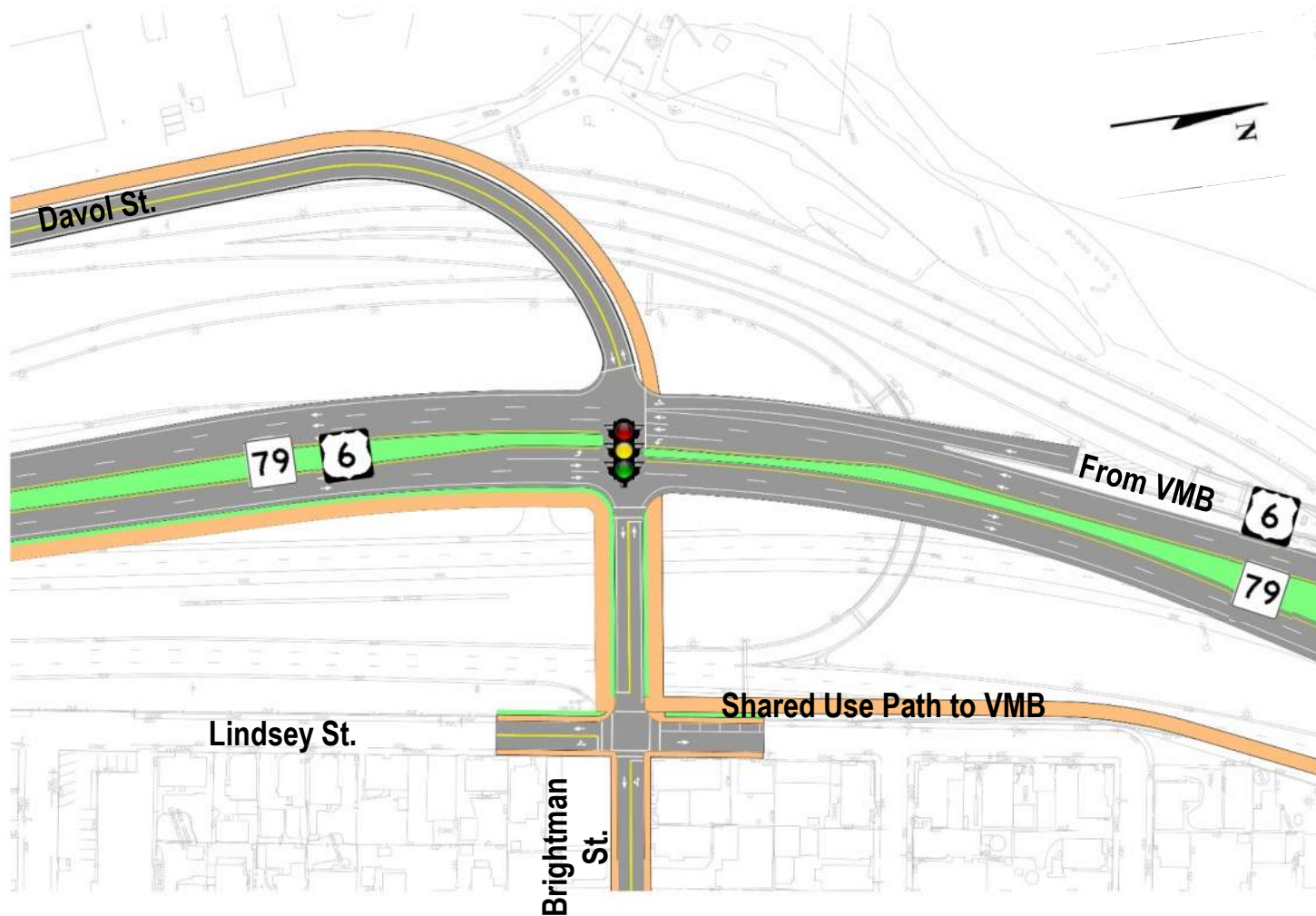
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Traffic Signal at Brightman St. (With Davol St.)



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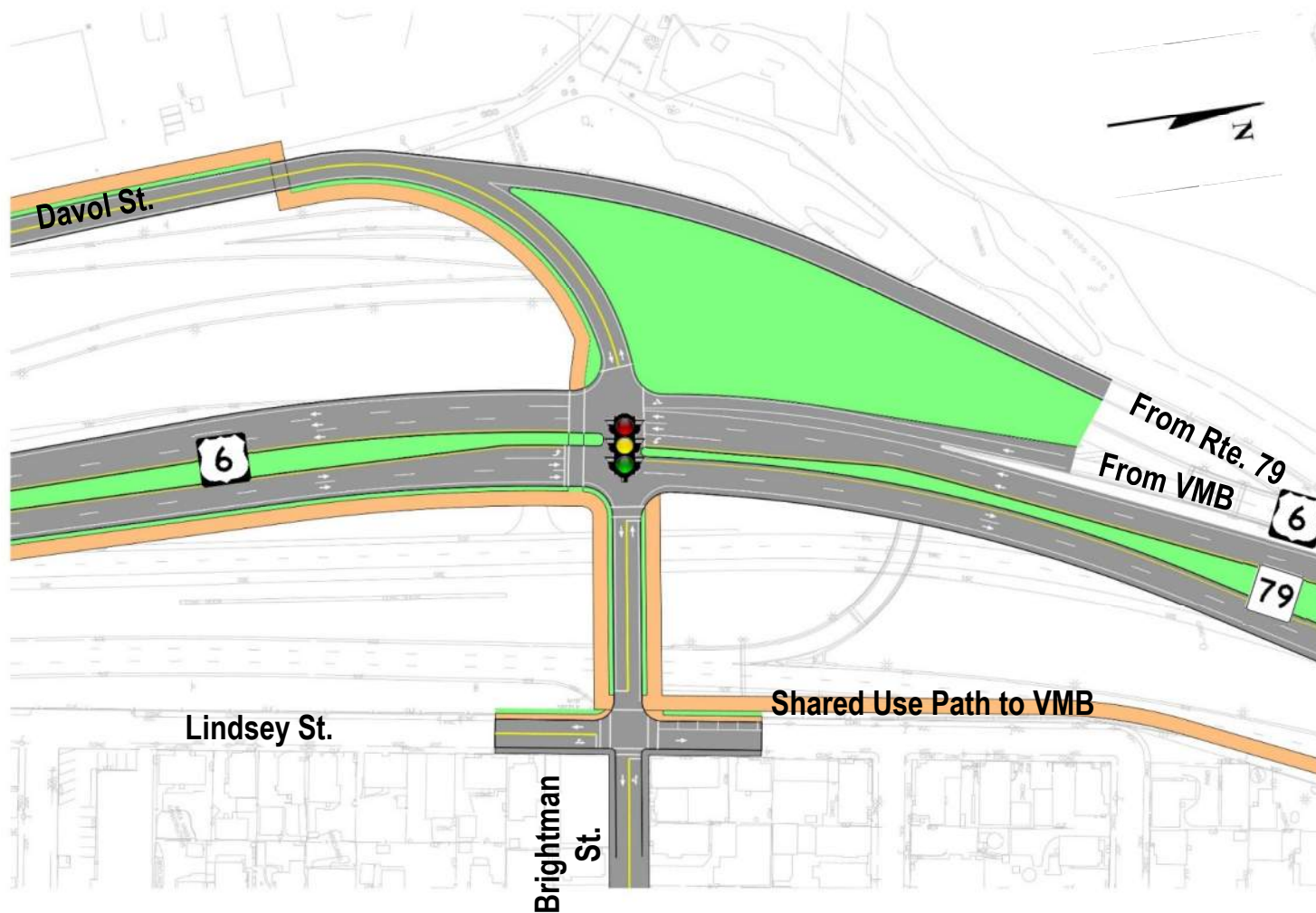
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Traffic Signal at Brightman St. (Access from Rte. 79 SB to Davol St.)



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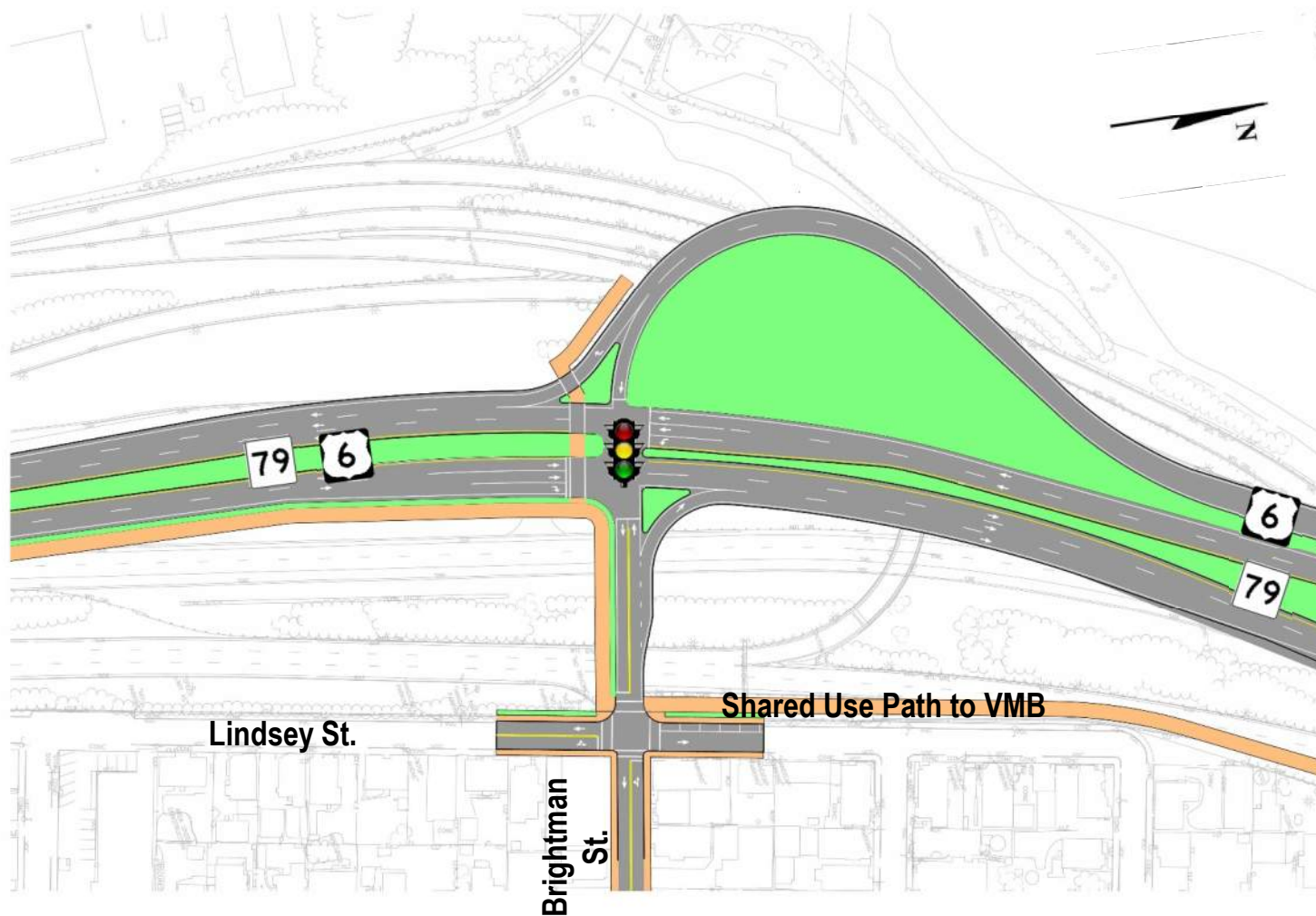
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Traffic Signal at Brightman St. (No Davol St., Access from VMB)



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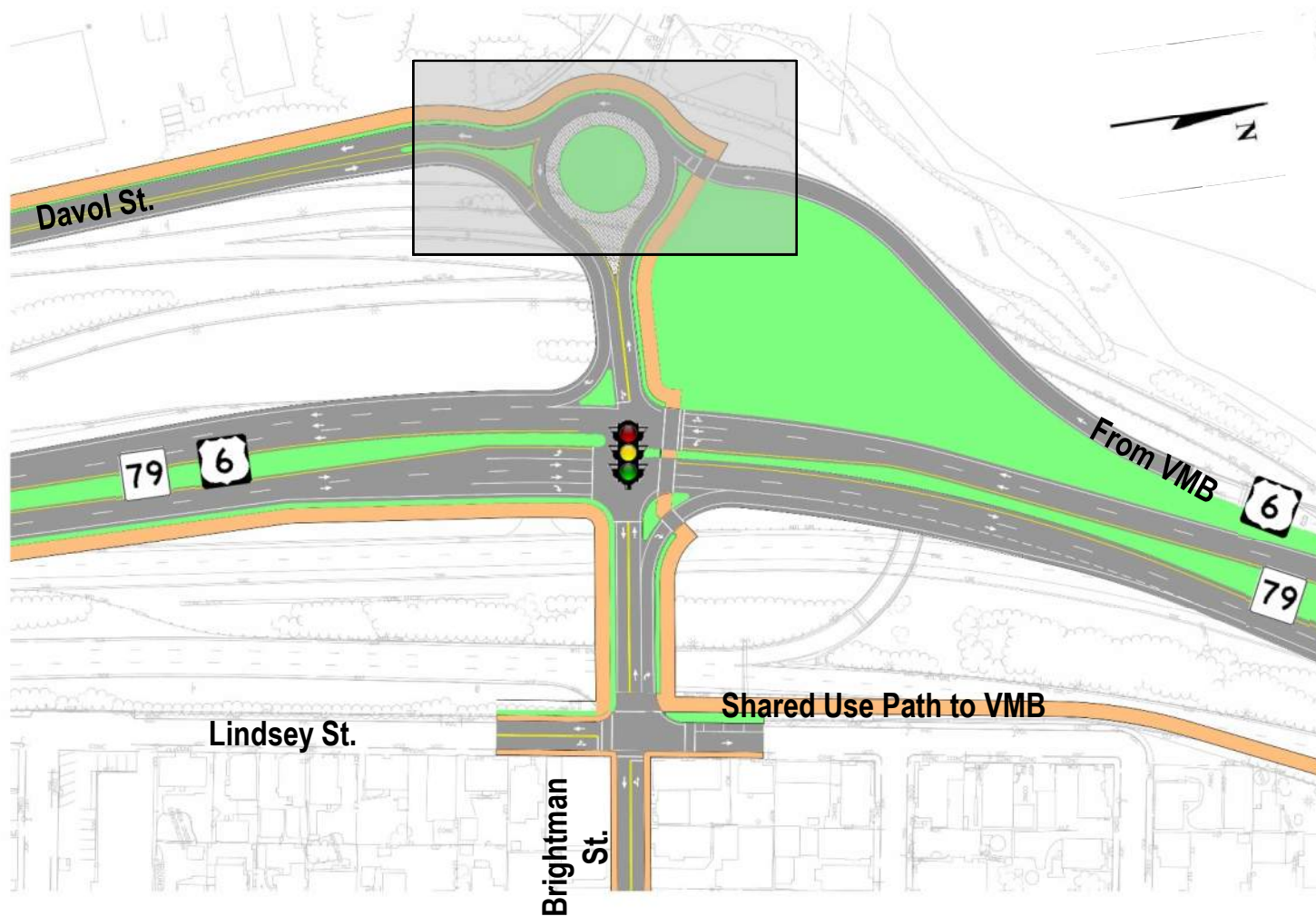
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Traffic Signal at Brightman St. / Roundabout at Davol St. (No Development Traffic)



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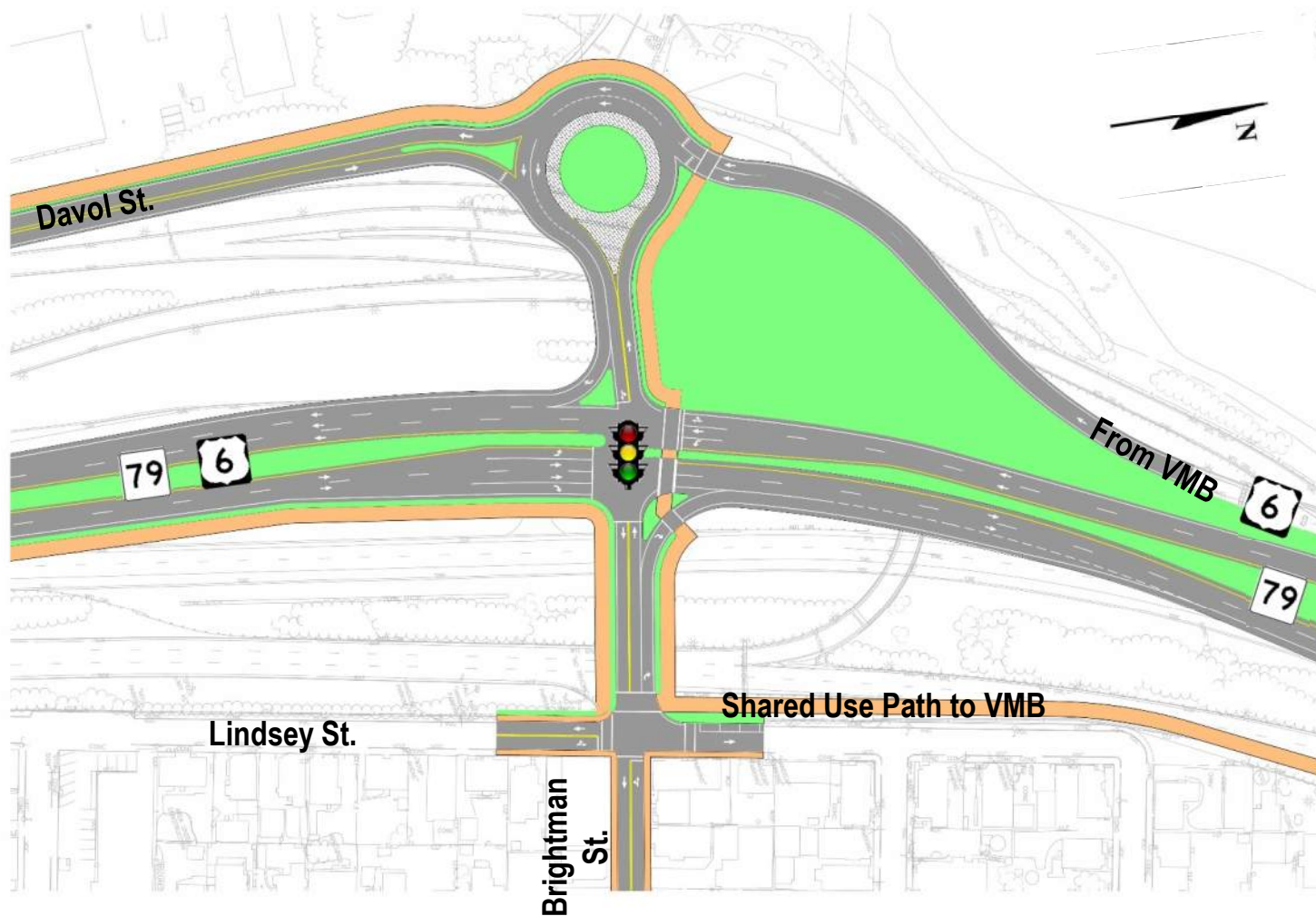
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Traffic Signal at Brightman St. / Roundabout at Davol St. (With Development Traffic)



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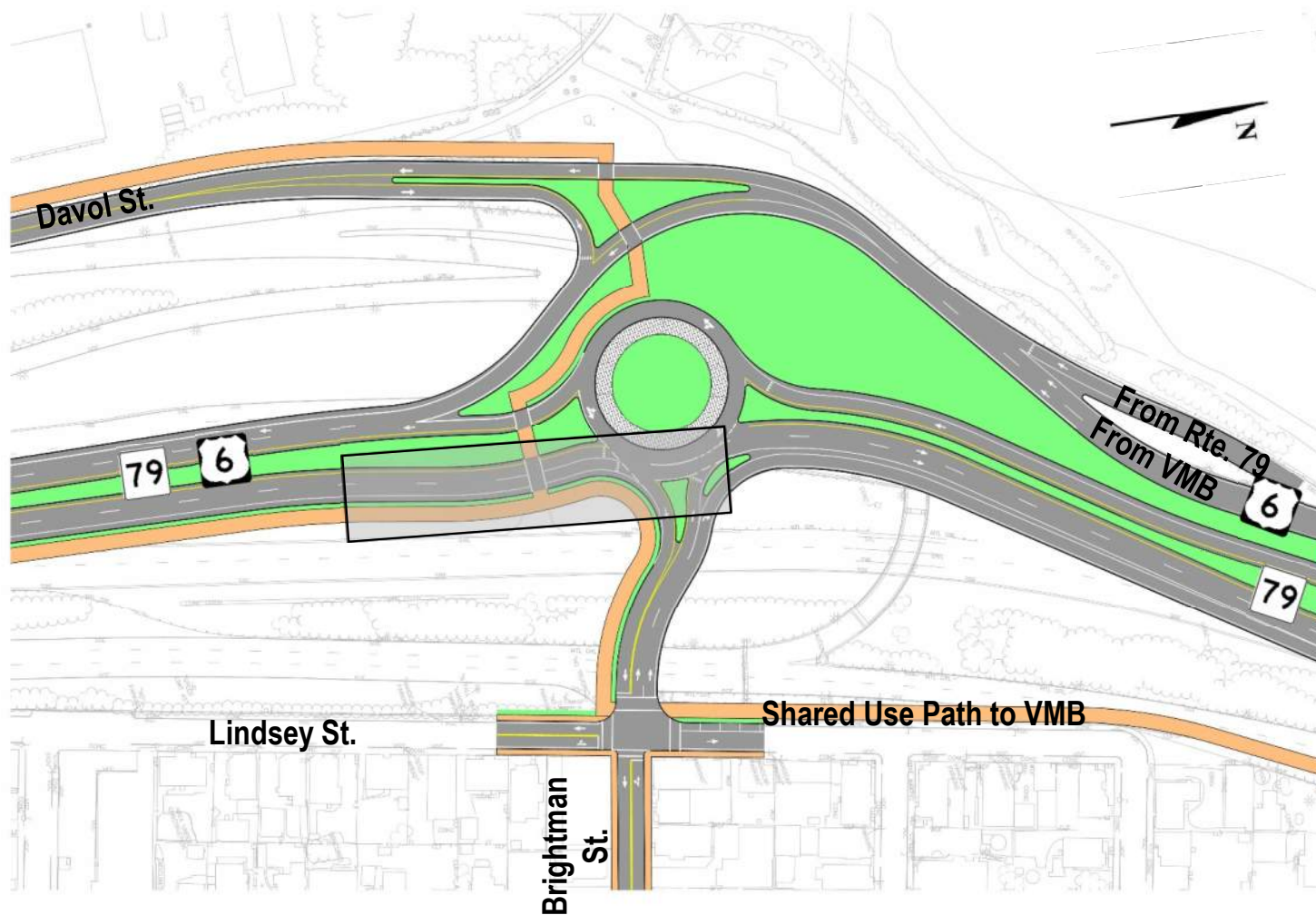
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Brightman St. Roundabout (No Development Traffic)



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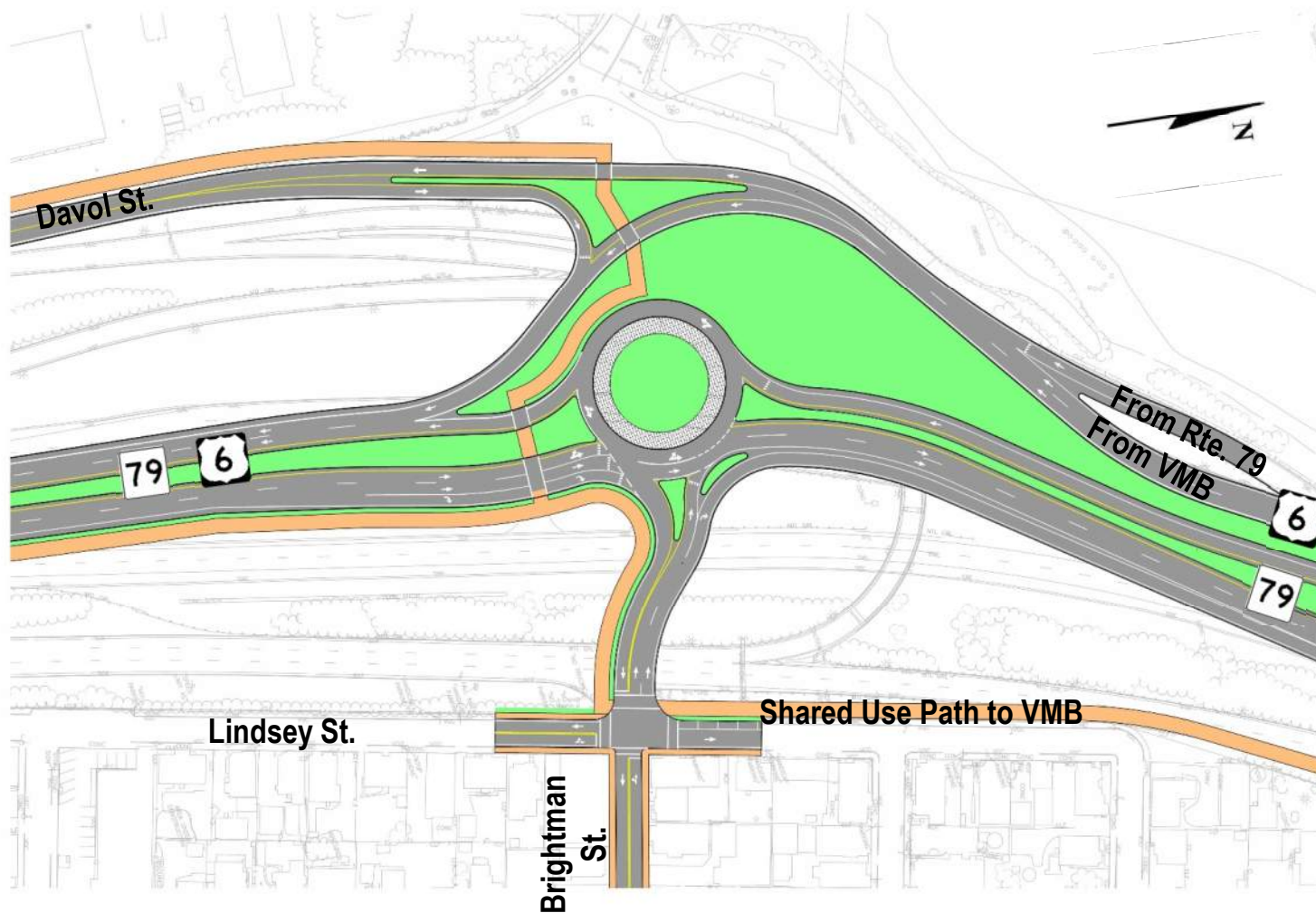
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Brightman St. Roundabout (With Development Traffic)



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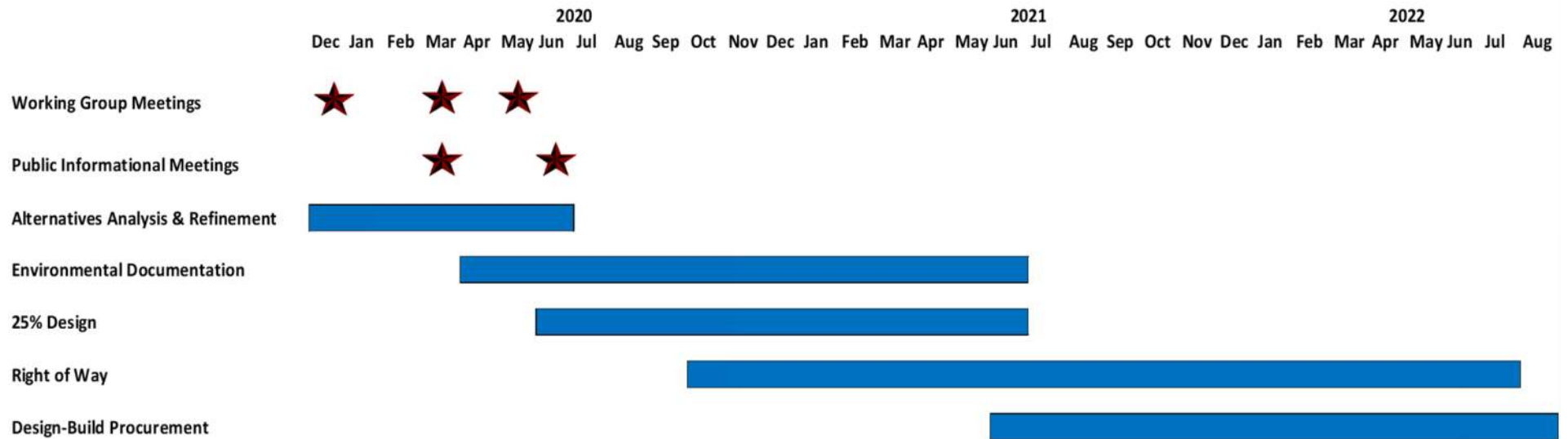
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Next Steps

➤ Next Working Group Meeting – Spring 2020

- Advance conceptual design at north and south project limits
- Develop approach to the entire corridor configuration and access points

Project Schedule



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Comments/Feedback



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