

The Harris County Toll Road Authority Presents

EZ LANES to

OPPORTUNITY

BUSINESS SESSION

May 13, 2026



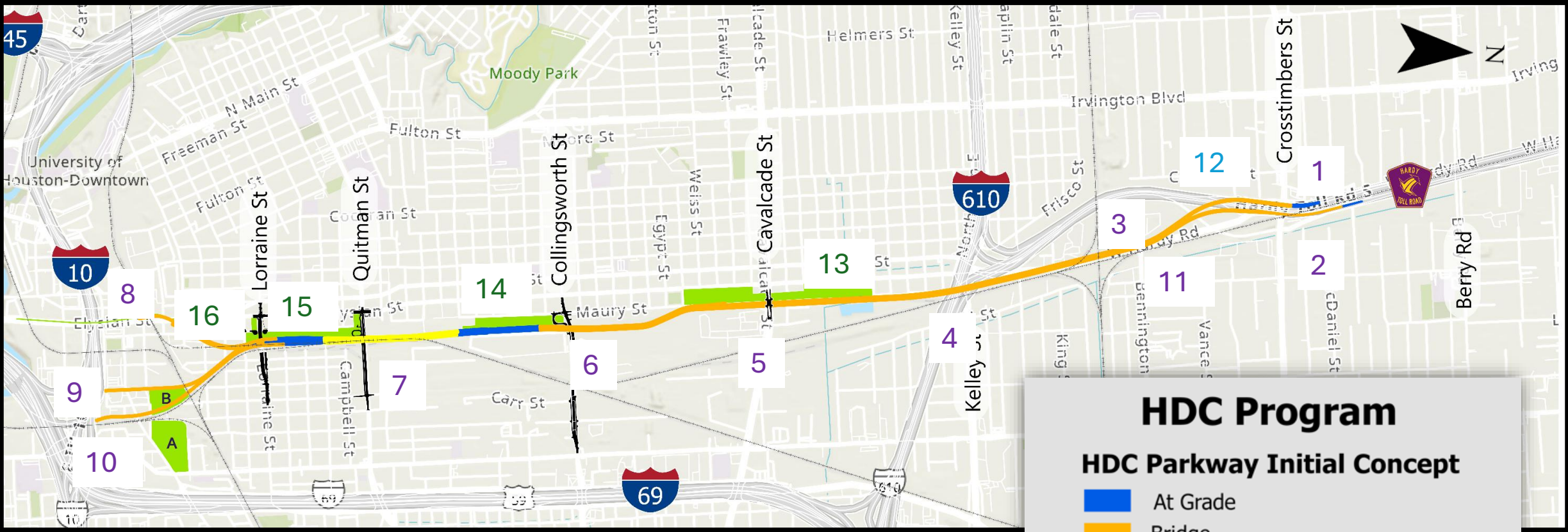
Hardy Downtown Connector (HDC) Program:

Segment Design Consultant
Procurement Opportunities



HDC Overview

- 11
- 1
- 4
- Transportation/Structural
- Safety Improvement
- Amenitized Detention/Open Space



HDC Program

HDC Parkway Initial Concept

At Grade

Bridge

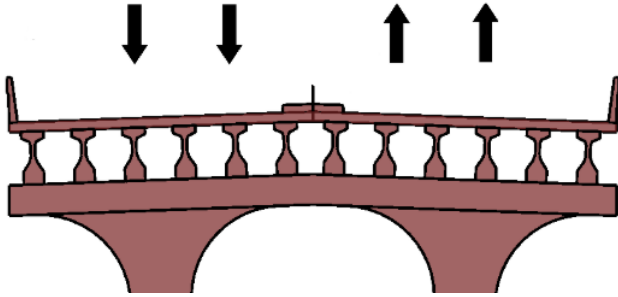
Below Grade

Near-Term Projects/Benefit Areas

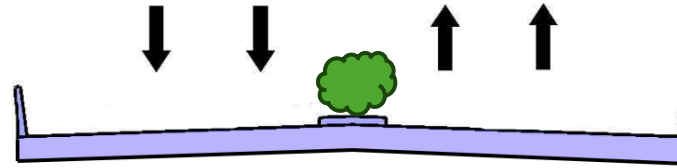
Cross Streets



HDC Parkway Character



Bridge Typical Section



Roadway Typical Section



Procurement(s)



Segment Design Consultant (SDC): General teams and work categories

- Roadway Design
- Structure Design
- Drainage Design
- Traffic Design
- Utility Design and Coordination
- Subsurface Utility Engineering
- Geotechnical Engineering
- Landscape Architecture/Urban Design
- Design Survey
- Environmental



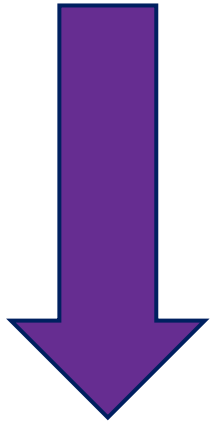
SDC Procurement Overview

- **SDC selections**
 - one Transportation/Structural procurement (segments 1-11) and
 - one Amenitized Detention and Open Space procurement (segments 12-16)
- Teams may specify preferred segments
 - selections will be made based on the **relevant skill** and **experience needed**



For Example: Transportation/ Structural Section Categories

Complexity



- Roadways
- Bridges and Structures
- Complex Bridges and Structures
- Pump Station (relating to depressed section)

Timeline:

Traffic and H&H are currently Advertising

Transportation/Structural Procurement, and
Amenitized Detention and Open Space Procurement

Late July, Early August

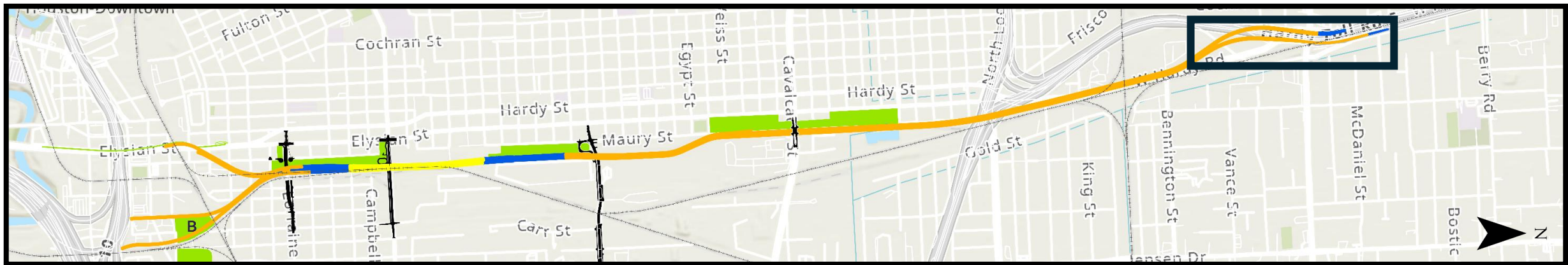
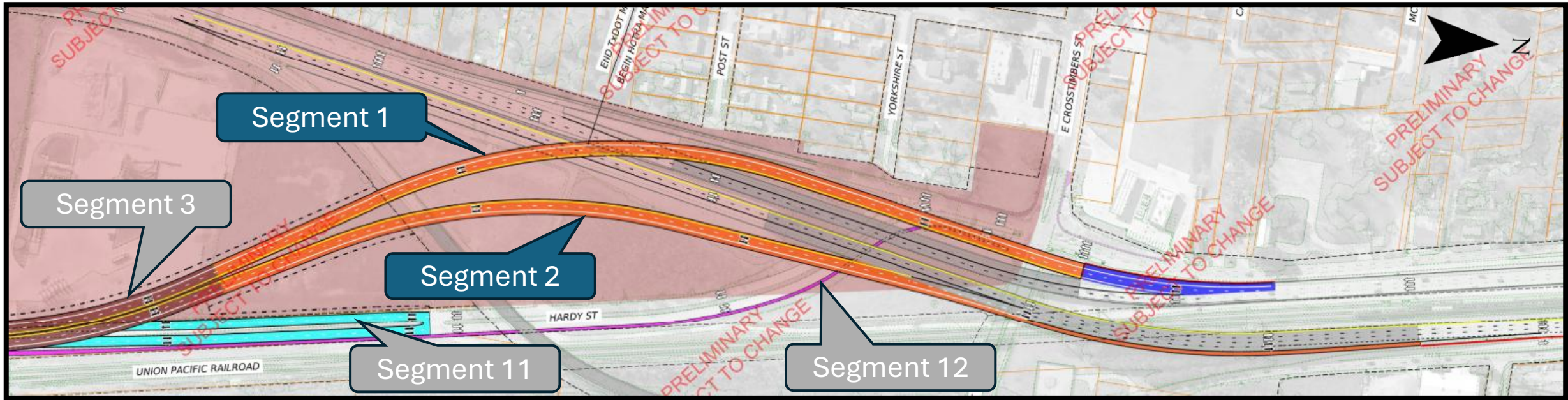


Transportation/ Structural

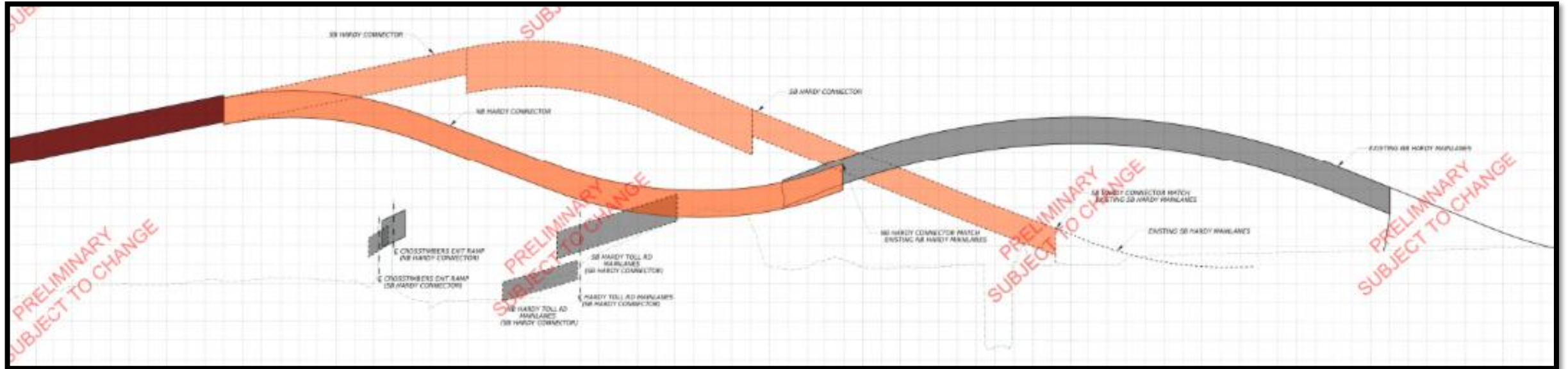
Segment Details



Segments 1 & 2: Roadway and Structure Plan View



Segments 1 & 2: Roadway and Structure P&P

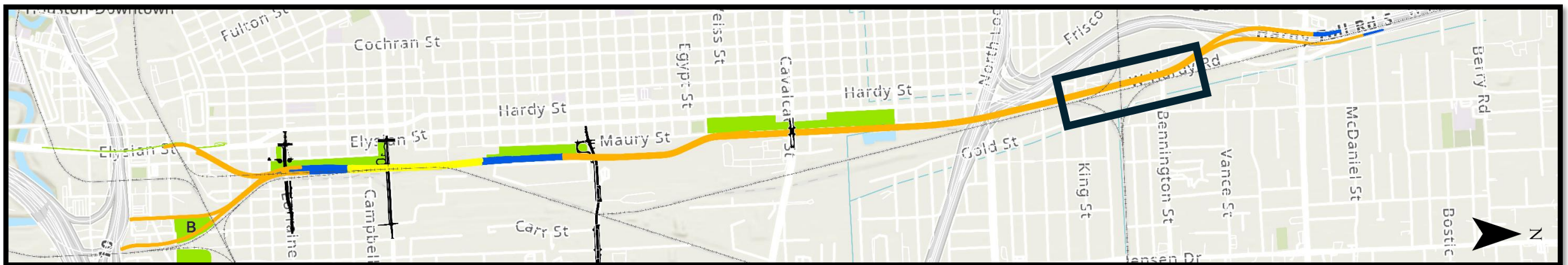
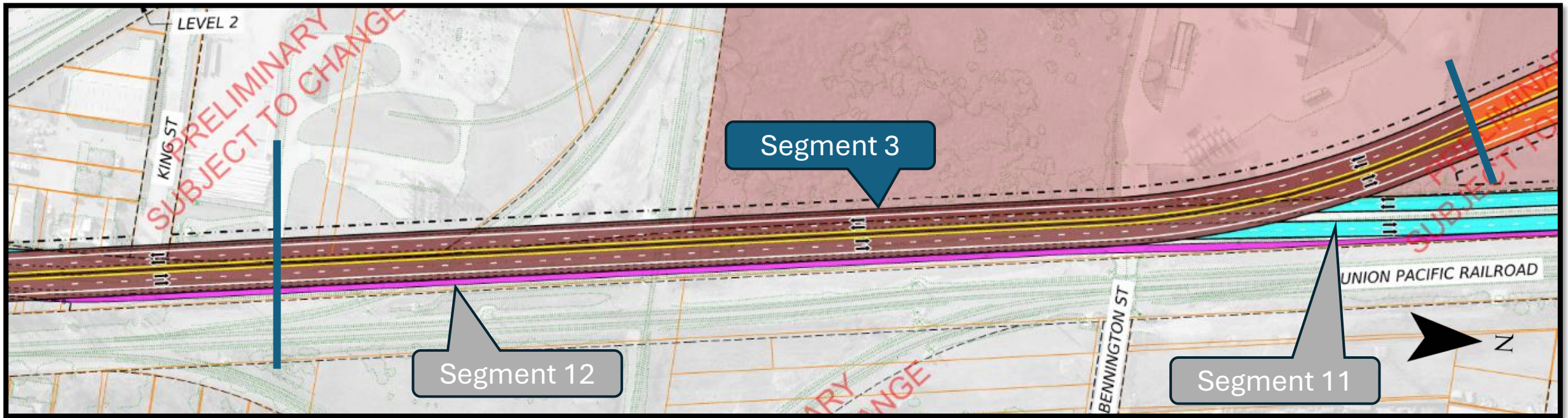


Segments 1 & 2: Key Design Points

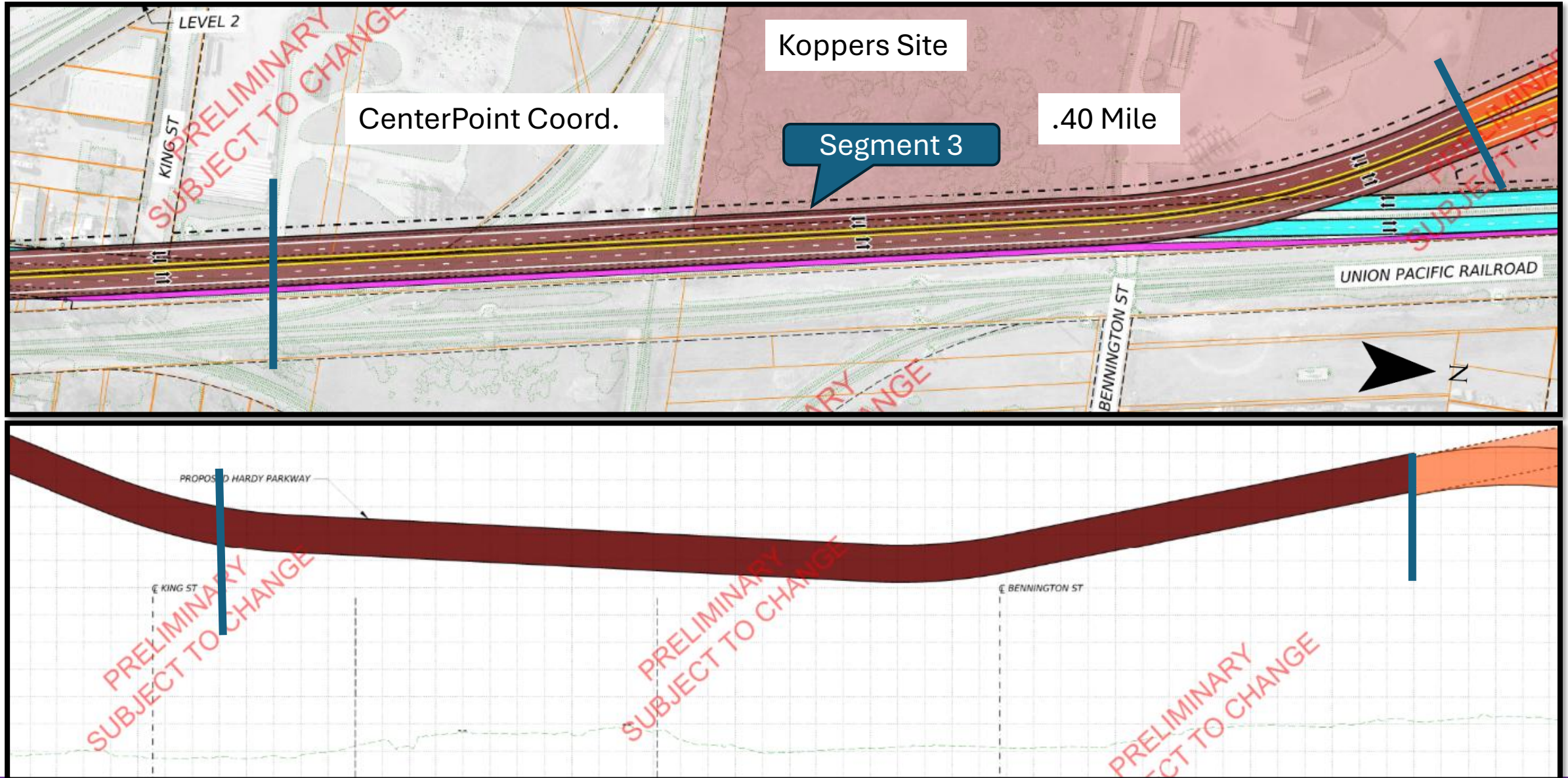
- **Segment 1** Approx. Total Length: **0.53 mi**
- **Segment 2** Approx. Total Length: **0.67 mi**
- Bridge: Level 2 Multi-Span Direct Connector Design
- Roadway widening and retaining wall design
- RR Coordination Exhibit (Segment 2 only)
- Capped Contaminated Site
 - Red shaded area: Koppers Site (contaminated soil and groundwater)
- Tie into Hardy Toll Road (Traffic Control)
- Coordination with SDC 1, 2, 3, 11, and 12



Segment 3: Roadway and Structure Plan View



Segment 3: Roadway and Structure P&P

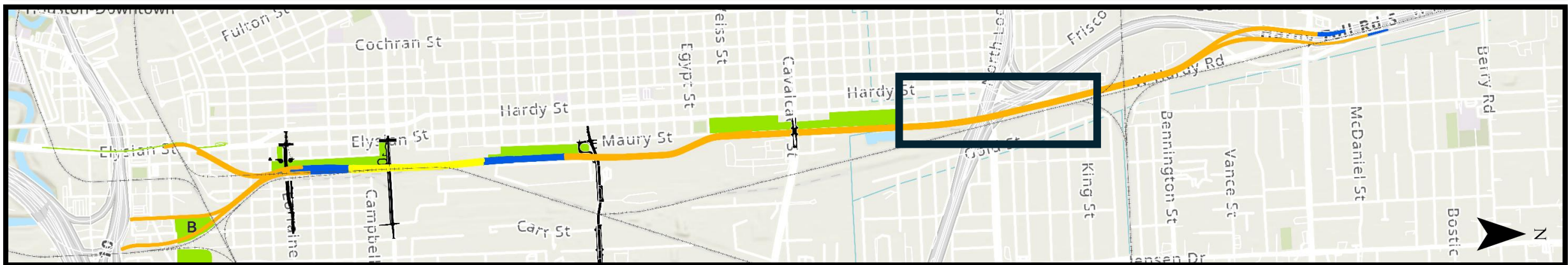
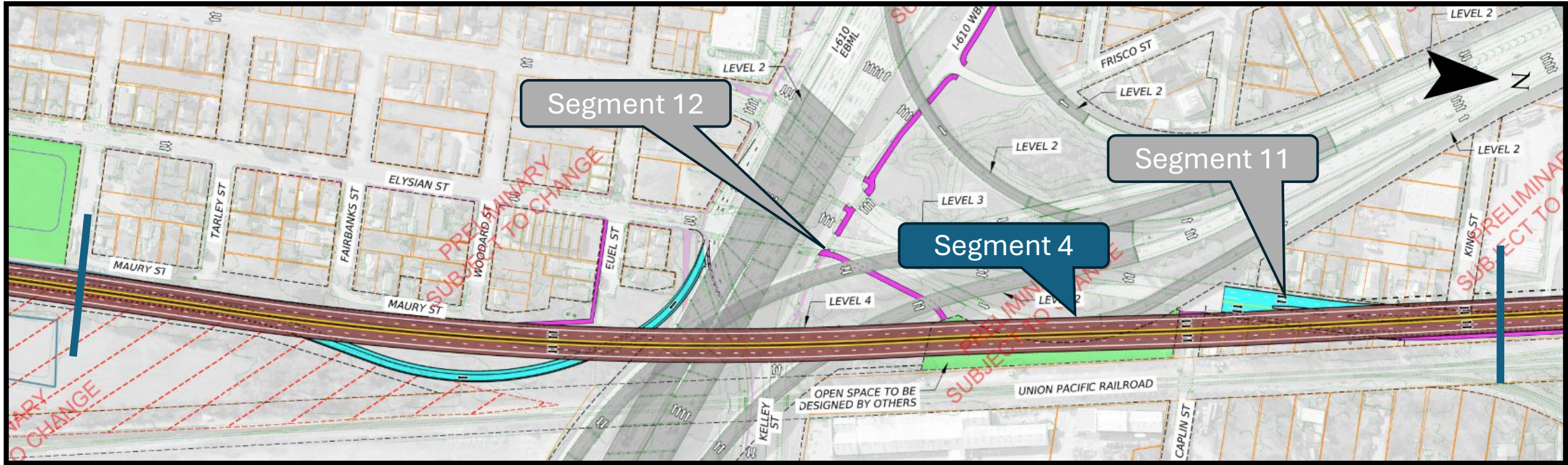


Segment 3: Key Design Points

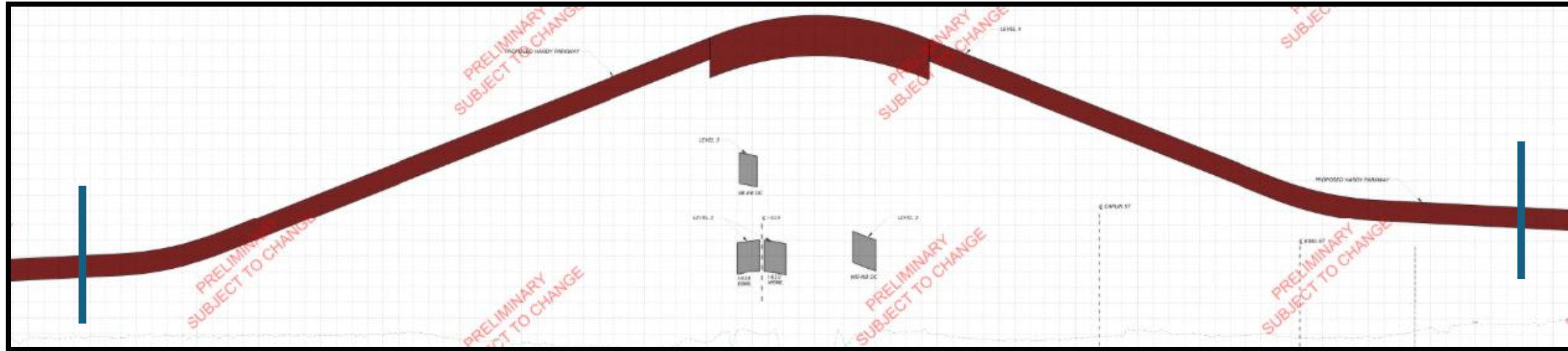
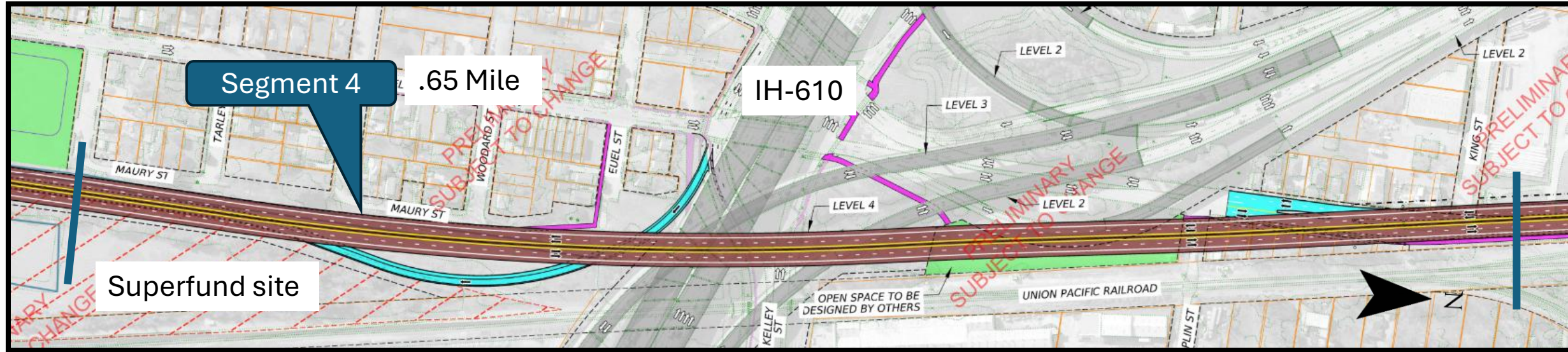
- Approx. Total Length: 0.40 mi
- Level 2 Multi-Span Mainline Bridge Design
- RR Coordination Exhibits
- CenterPoint Energy Transmission Coordination
- Capped Contaminated Site
- Coordination with SDC 1, 2, 4, 11, and 12



Segment 4: Roadway and Structure Plan View



Segment 4: Roadway and Structure P&P

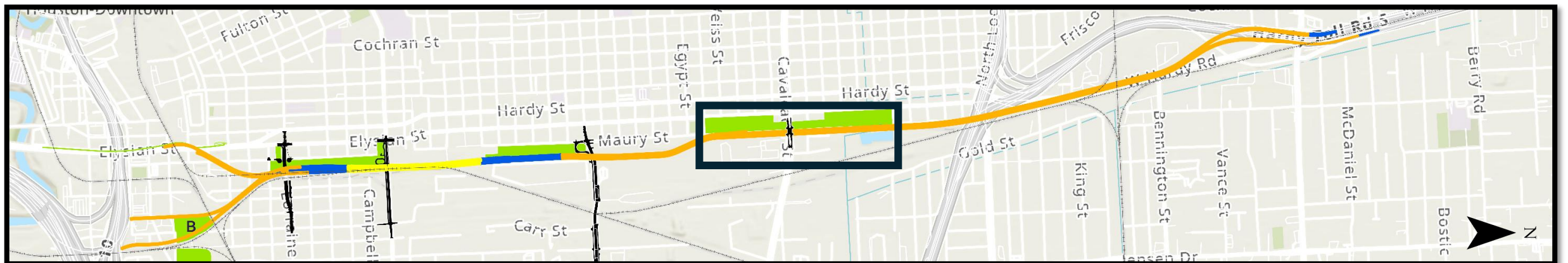


Segment 4: Key Design Points

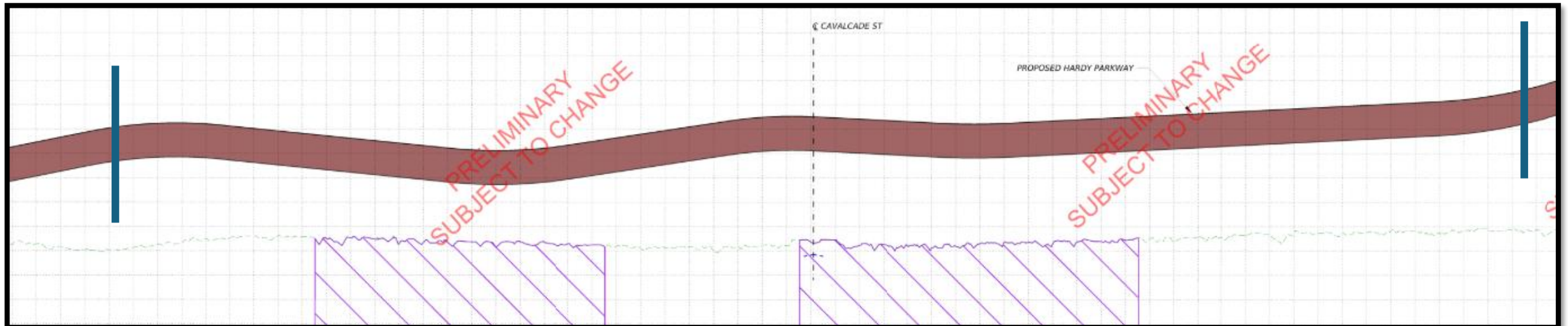
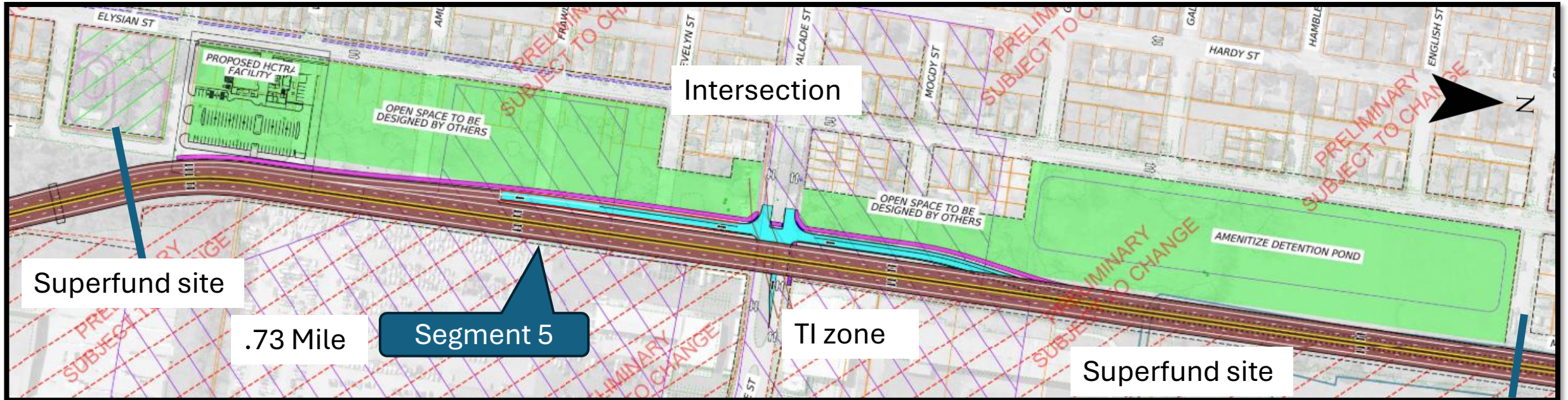
- Approx. Total Length: 0.65 mi
- Level 4 Multi-Span Mainline Bridge Design
- Access Road Design
- Partially Adjacent to Superfund site
 - Red Cross-Hatched Area
- Ped/Bike Safety Improvements (South of IH 610)
- Open Space/Landscape Improvements (South of IH 610)
- TxDOT Coordination (IH 610 Interchange)
- Coordination with SDC 3, 5, 11 and 12



Segment 5: Roadway and Structure Plan View



Segment 5: Roadway and Structure P&P

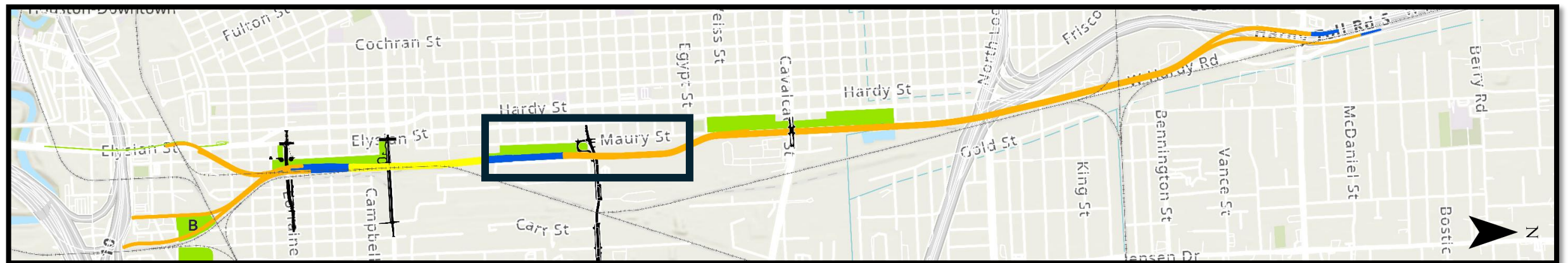


Segment 5: Key Design Points

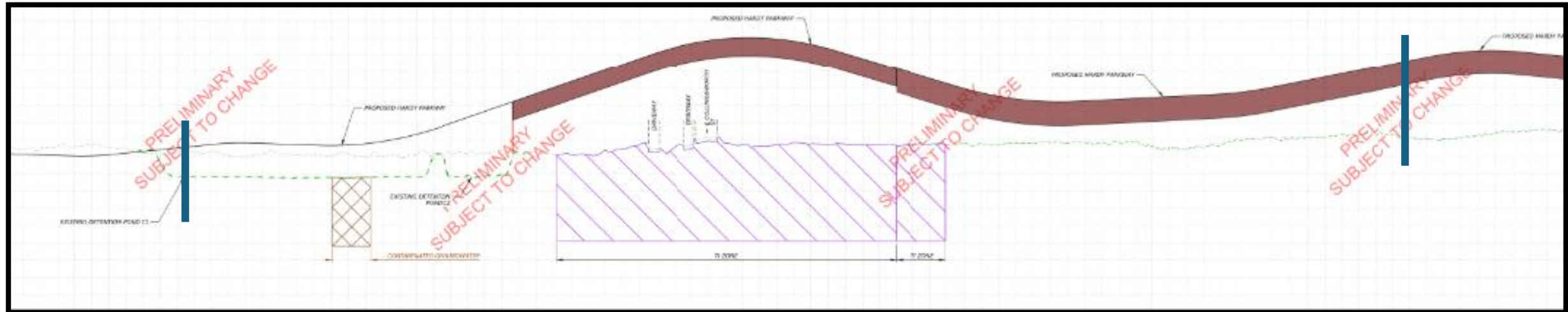
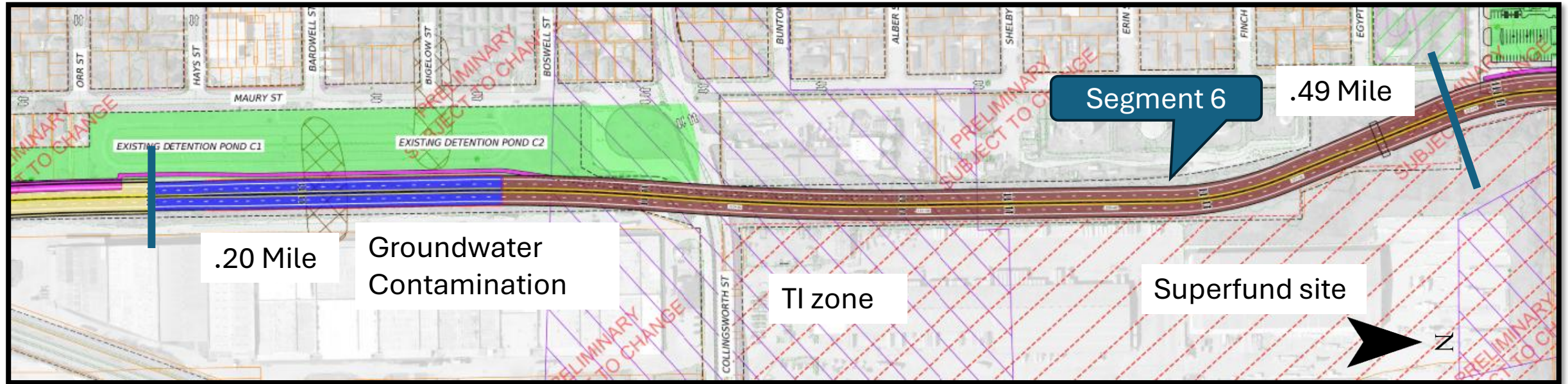
- Approx. Total Length: 0.73 mi
- Level 2 Multi-Span Mainline Bridge Design
- Access Road/Ramp Design
- Intersection Design (Cavalcade)
- TI Zone and Groundwater Contamination (Superfund Site)
 - Red Cross-Hatching: Superfund Site(s)
 - Purple Cross-Hatching: TI Zone(s)
- Ped/Bike Safety Improvements
- Open Space/Landscape Improvements (North and South of IH 610)
- Coordination with SDC 4, 6, and 13



Segment 6: Roadway and Structure Plan View



Segment 6: Roadway and Structure P&P

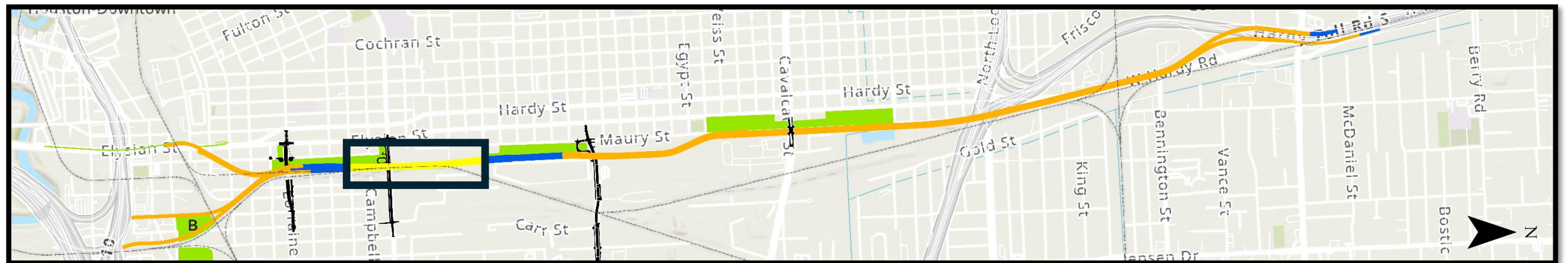


Segment 6: Key Design Points

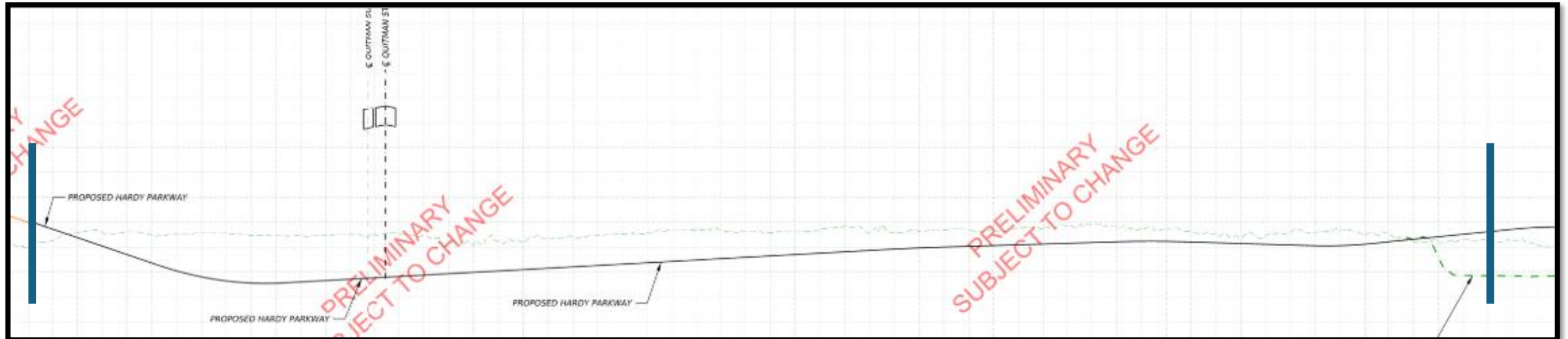
- Approx. **Total** Length: **0.69 mi**
- Approx. **Bridge** Length: **0.49 mi**
- Approx. **At-Grade** Length: **0.20 mi**
- Level 2 Multi-Span Mainline Bridge Design
- Toll Gantry Design/Coordination
- Ped/Bike Safety Improvements
- TI Zone and Groundwater Contamination (Superfund Site)
 - Red Cross-Hatching: Superfund Site(s)
 - Purple Cross-Hatching: TI Zone(s)
 - Brown Cross-Hatching: Groundwater Contamination
- Landscape Architecture/ Urban Design
- Pipeline Coordination
- Coordination with SDC 5, 7, and 14



Segment 7: Roadway and Structure Plan View



Segment 7: Roadway and Structure P&P

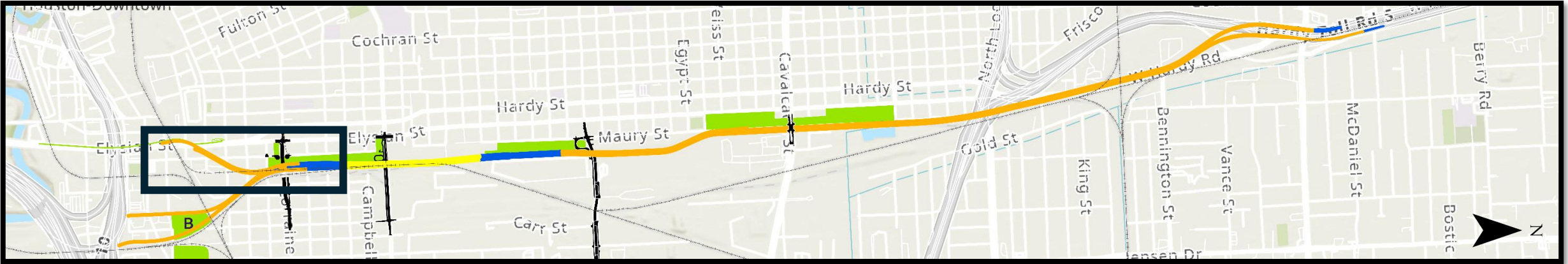
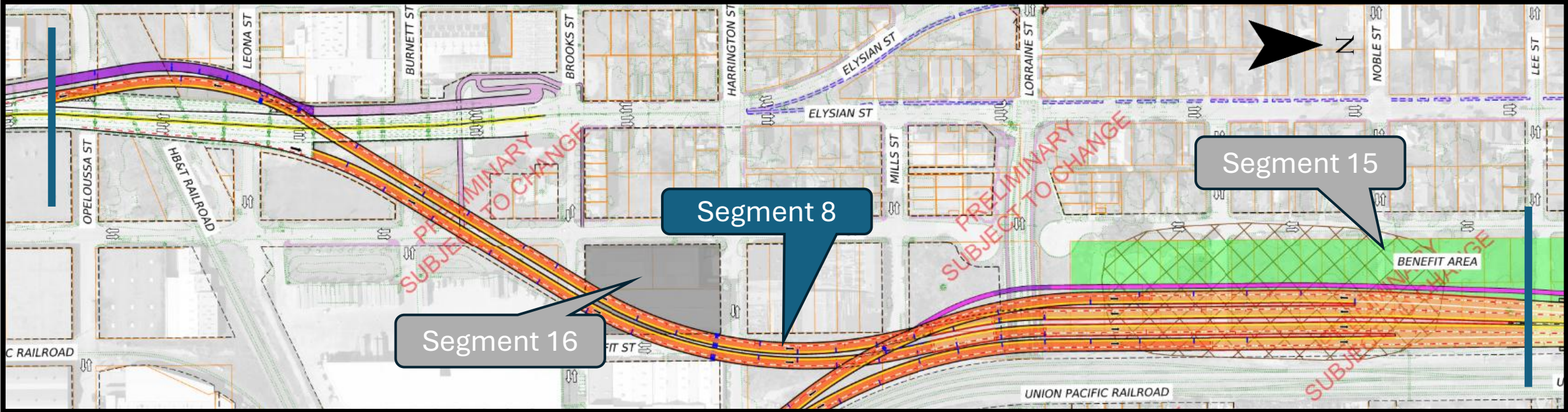


Segment 7: Key Design Points

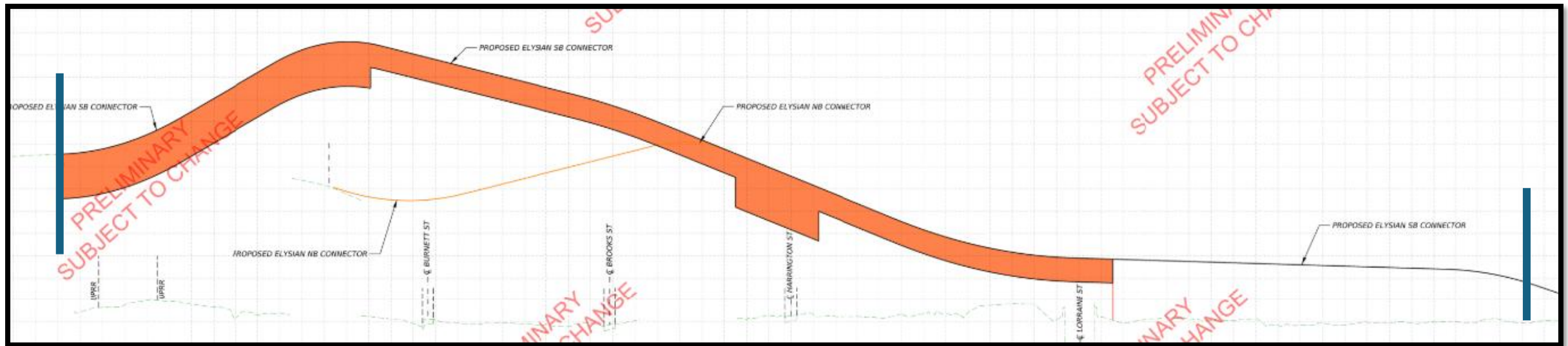
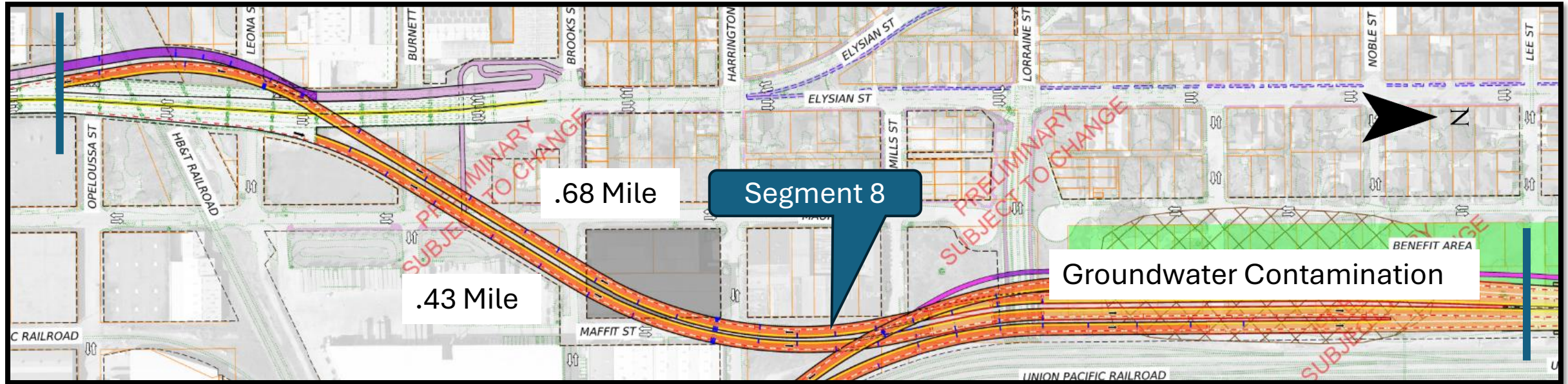
- Approx. Total Length: 0.50 mi
- Roadway Design (Semi-Depressed)
- Ped/Bike Safety Improvements
- Limited ROW
- RR Coordination Exhibits
- Landscape Architecture/ Urban Design
- Coordination with SDC 6, 8, and 15



Segment 8: Roadway and Structure Plan View



Segment 8: Roadway and Structure P&P

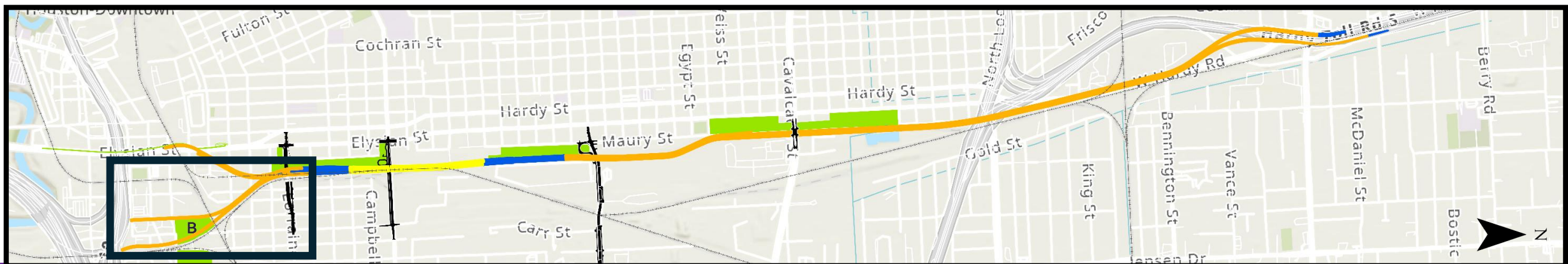
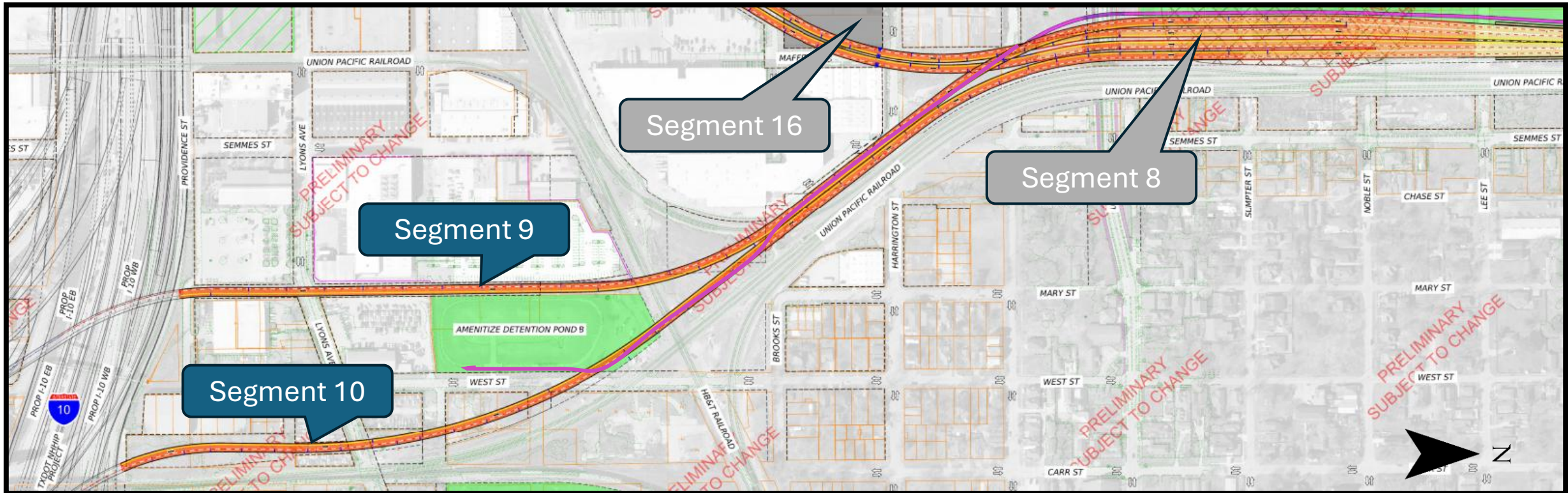


Segment 8: Key Design Points

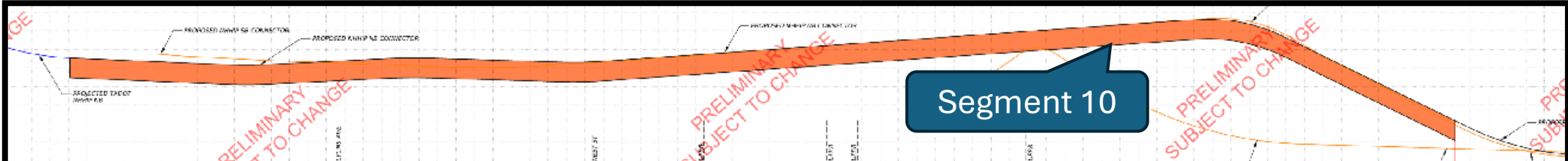
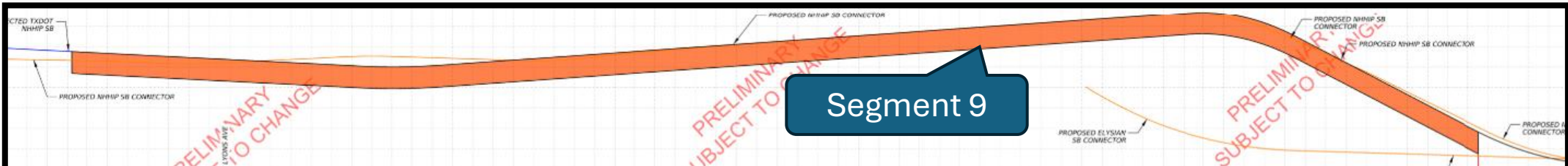
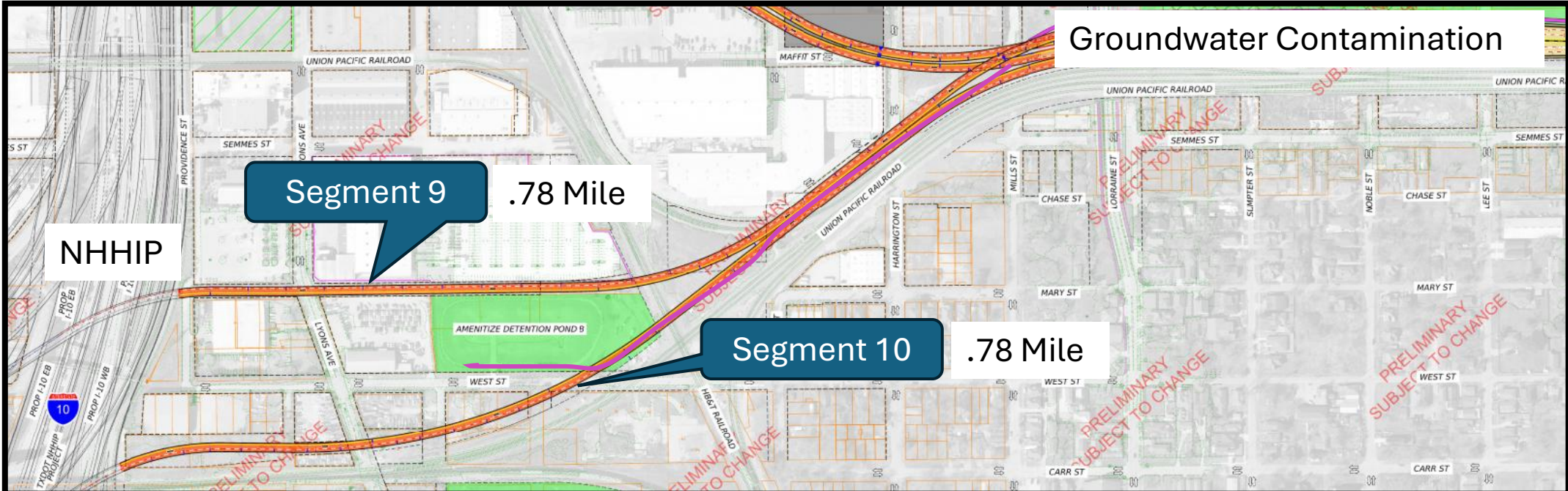
- Approx. Northbound Total Length: 0.43 mi
- Approx. Southbound Total Length: 0.68 mi
- Level 2&3 Multi-Span Mainline Bridge Design (Includes Modification of Existing Elysian Bridge)
- Roadway Design
- Tie to Existing Elysian Bridge (Traffic Control)
- Detour Design for Local Streets
- Ped/Bike Safety Improvements
- Limited ROW
- Groundwater Contamination
 - Brown Cross-Hatching
- RR Coordination Exhibits
- Coordination with SDC 7, 9, 10, 15, and 16



Segments 9 & 10: Roadway and Structure Plan View



Segments 9&10: Roadway and Structure P&P

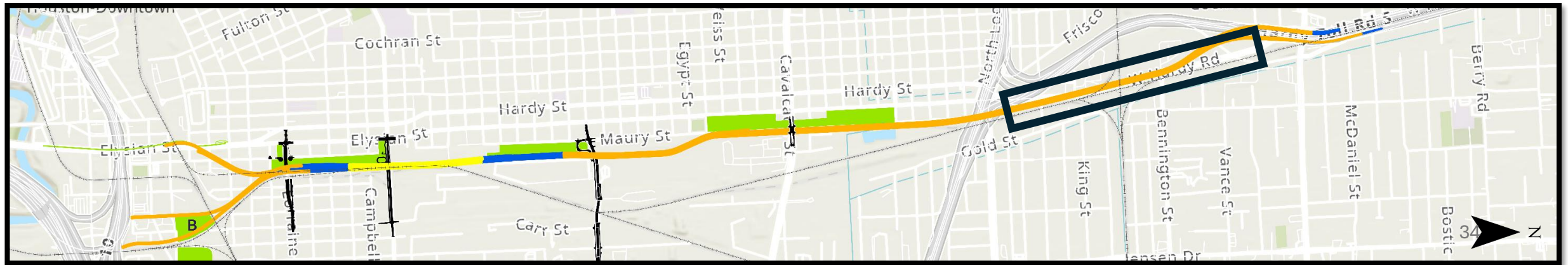
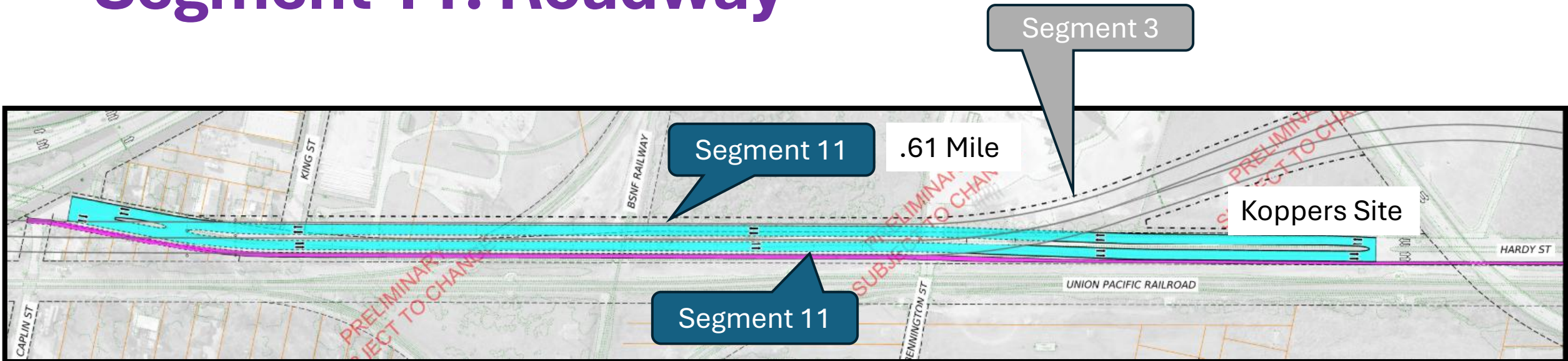


Segments 9 & 10: Key Design Points

- Approx. **Segment 9** Total Length: **0.78 mi**
- Approx. **Segment 10** Total Length: **0.78 mi**
- Direct Connector Design (Tie to NHHIP)
- Level 2&3 Multi-Span Bridge Design
- Ped/Bike safety improvements tying in to “Detention Pond B”
- Landscape Architecture/ Urban Design
- Limited ROW
- Groundwater Contamination
 - Brown Cross-Hatching
- RR Coordination Exhibits
- Coordination with SDC 8, 9, and 10



Segment 11: Roadway



Segment 11: Key Design Points

- Approx. Total Length: 0.61 mi
- Roadway (Hardy st under bridge)
- City of Houston Design/Coordination
- RR Coordination Exhibits
- Ped/Bike Safety Improvements Adjacent to Segment
- CenterPoint Energy Transmission Coordination
- Capped Contaminated Site
- Coordination with SDC 1, 2, 3, and 12



Urban Design Framework



Urban Design Framework

- HDC Visioning Study:
 - Safe multimodal community connection
 - Quality of Life & Placemaking
 - Public Space Activation
 - Resilient & Health Ecology and Environmental Mitigation
- Goals & Objectives
- Opportunities & Constraints
 - Urban Context - Existing Conditions Report
 - Infrastructure - Existing Conditions Report



Urban Design Framework

- Urban Design Components

- Multimodal Accessibility
- Safety
- Placemaking & Public Space Activation
- Environmental Mitigation
- Sustainability / Resiliency / Regenerative Ecology
- Economic Development
- Public Health / Quality of Life
- Phasing / Adaptability / Delivery Method
- Operations and Maintenance

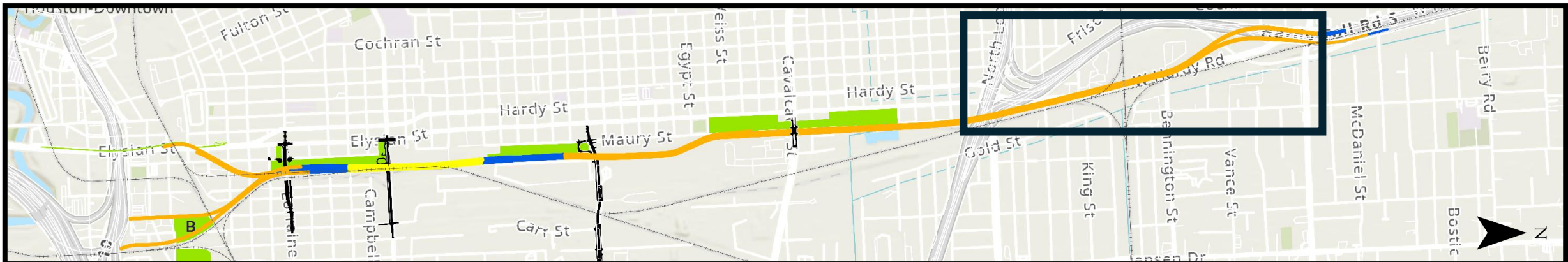
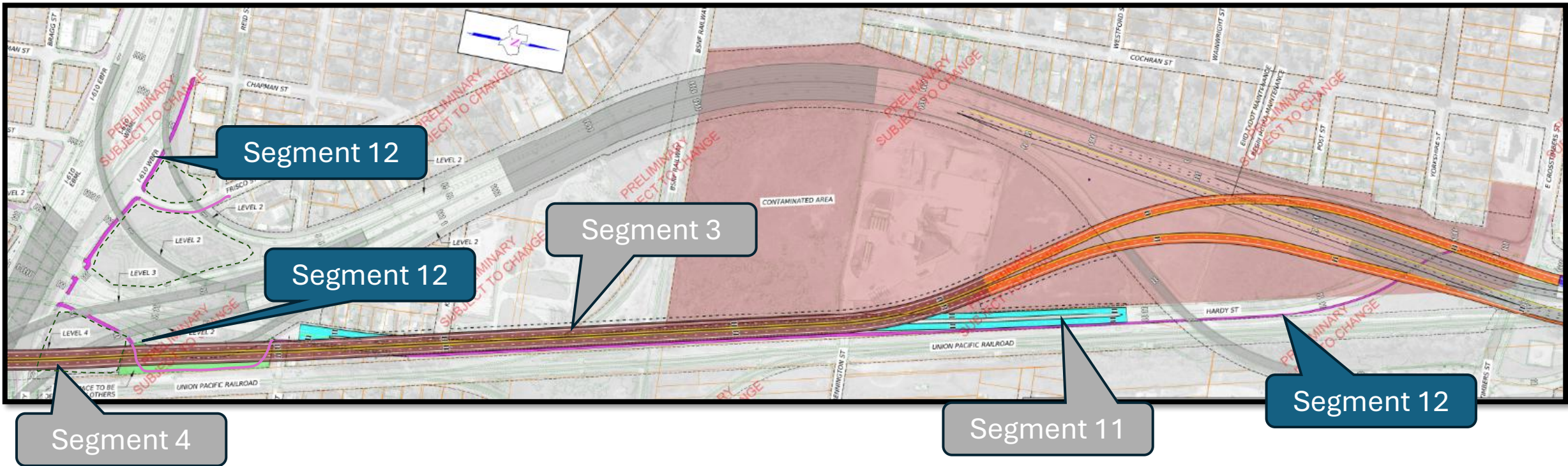


Amenitized Detention/ Open Space

Segment Details



Segment 12: Ped/Bike Safety Improvements

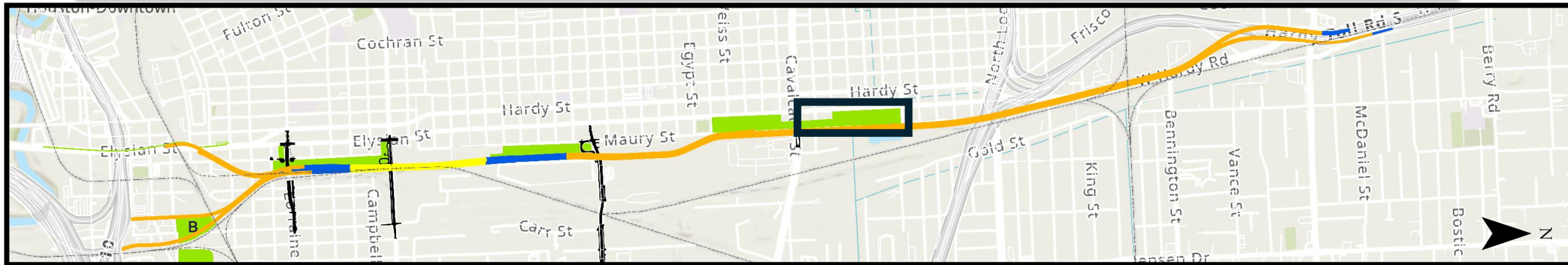
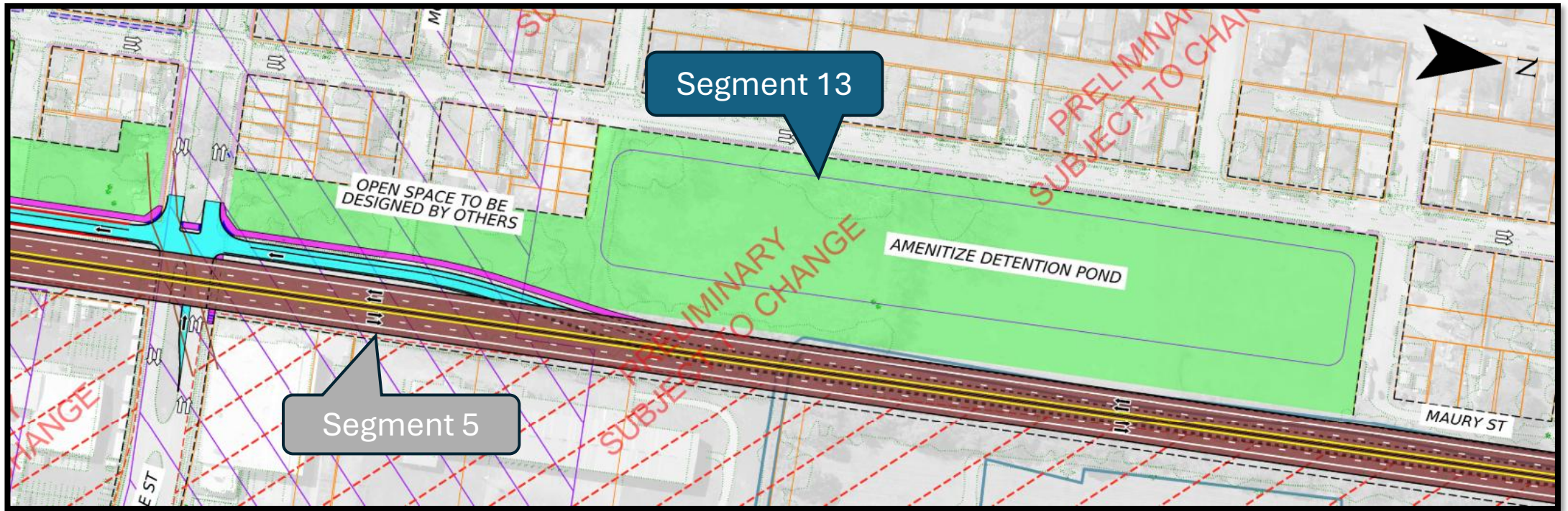


Segment 12: Key Design Points

- Ped/Bike Safety Improvements
- Approx. Total **Length along Parkway: 0.45 mi**
- Approx. Total **Length along I-610: 0.25 mi**
- City of Houston Design/Coordination
- TxDOT Coordination
- Landscape Architecture/ Urban Design
- RR Coordination Exhibits
- Contaminated Area
- Coordination with SDC 1, 2, 3, 4 and 11



Segment 13: Amenitized Detention and Open Space

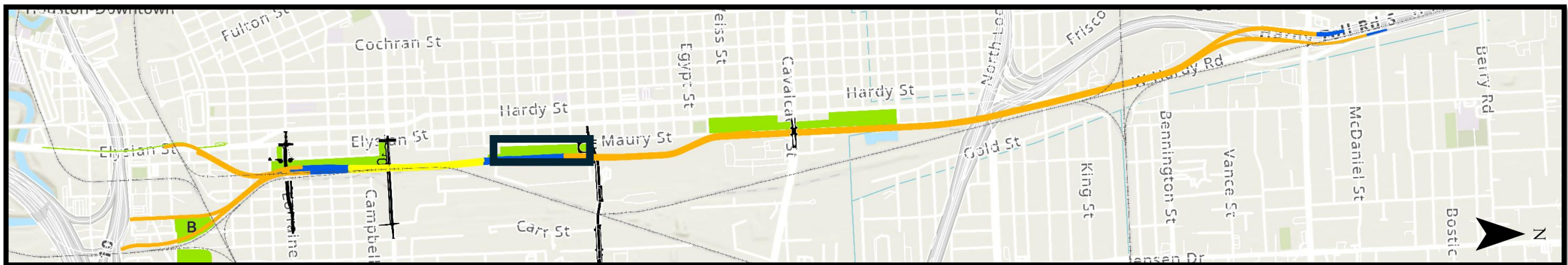
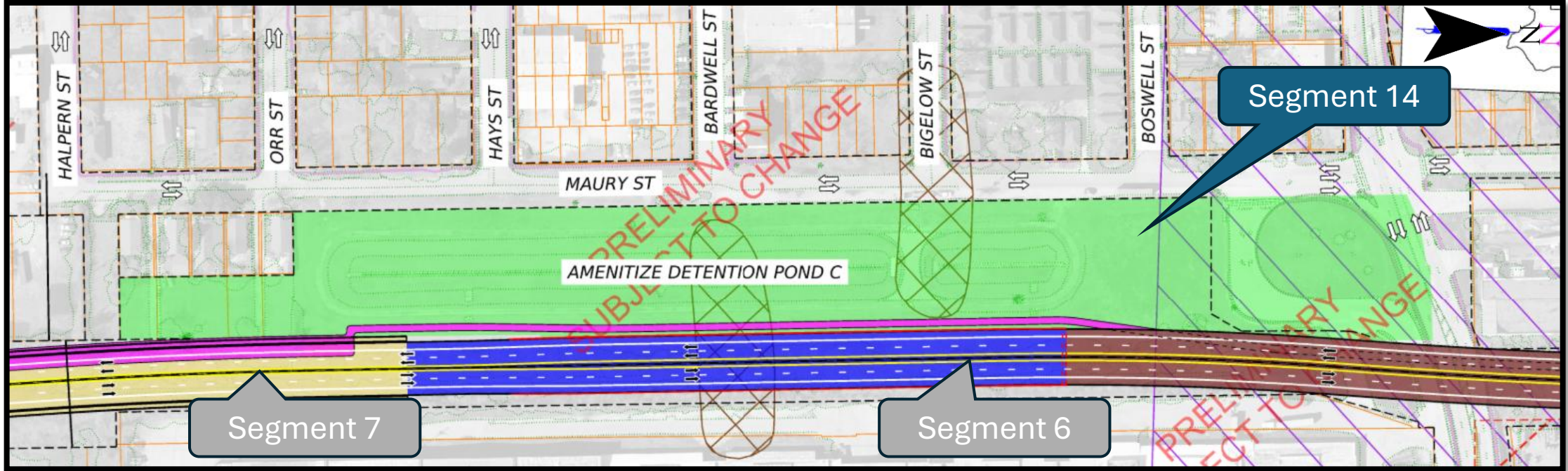


Segment 13: Key Design Points

- Amenitize Pond E
- Approx. Area: 9.37 acres
- Landscape Architecture/ Urban Design
- Drainage Coordination
- TI Zone
- Adjacent to Superfund site
- Coordination with SDC 5



Segment 14: Amenitized Detention and Open Space

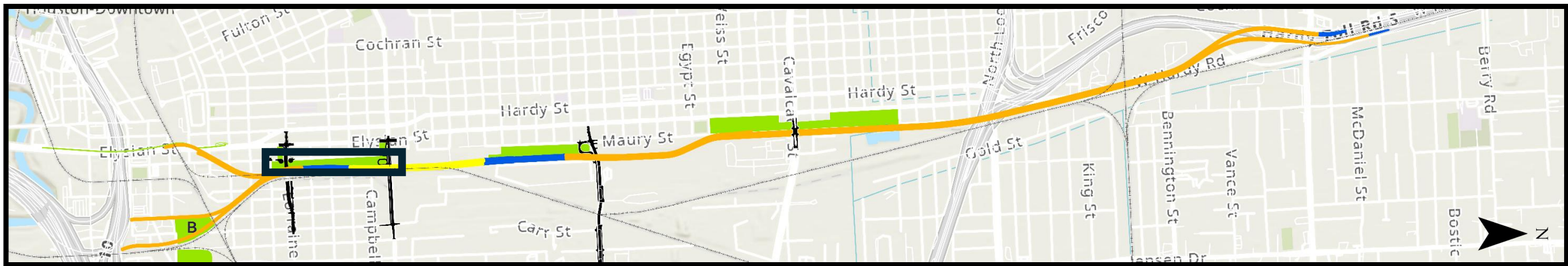
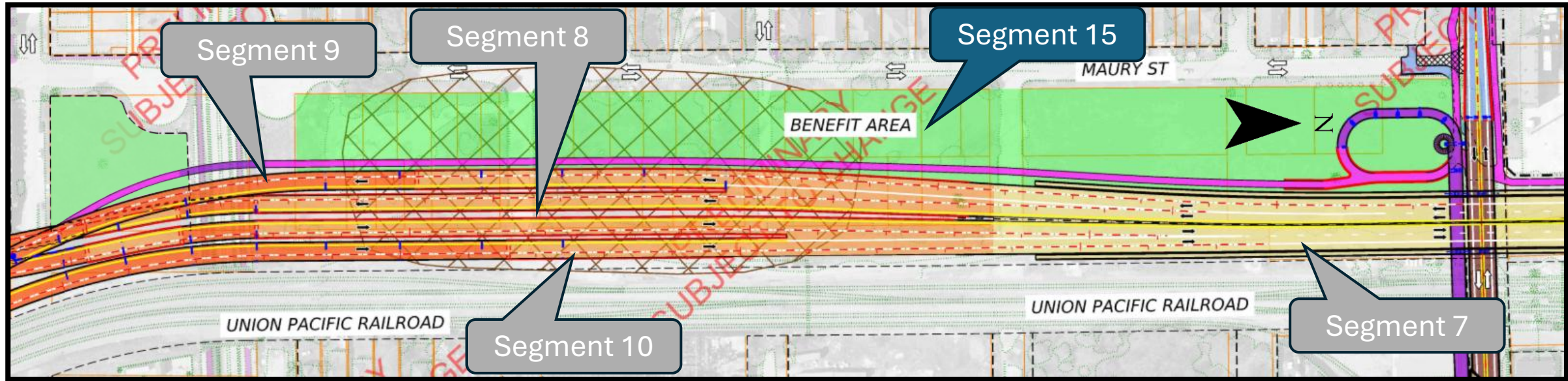


Segment 14: Key Design Points

- Amenitize Pond C
- Approx. Area: 7.19 acres
- Landscape Architecture/ Urban Design
- Ped/Bike Safety Improvements
- Drainage Coordination
- TI Zone and Groundwater Contamination
- Coordination with SDC 6 and 7



Segment 15: Amenitized Benefit Area

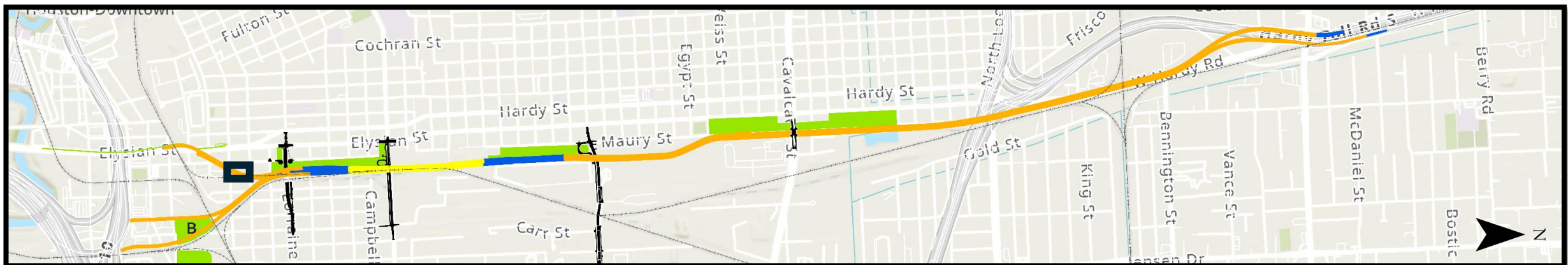
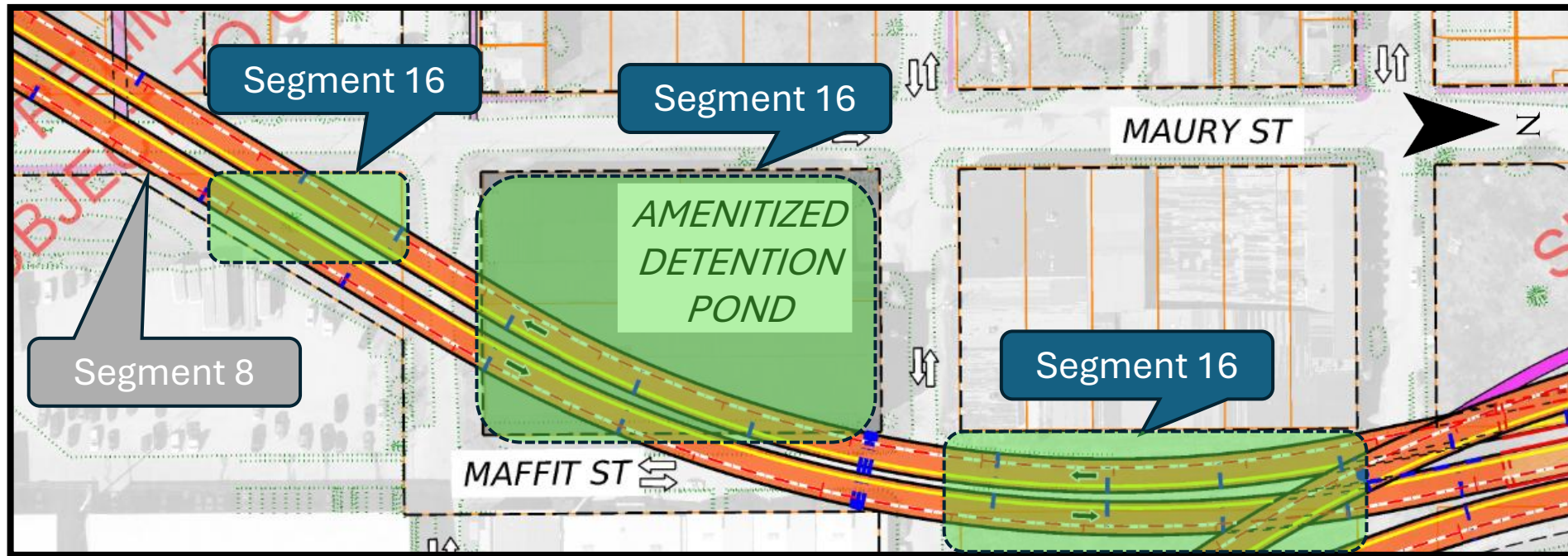


Segment 15: Key Design Points

- Benefit Areas
- Approx. Area: 4.64 acres
- Landscape Architecture/ Urban Design
- Ped/Bike Safety Improvements
- Drainage Coordination
- Groundwater Contamination
- Coordination with SDC 7, 8, 9, and 10



Segment 16: Amenitized Detention



Segment 16: Key Design Points

- Amenitized Detention Ponds (Under Elysian Ramp Connector)
- Approx. Area: 2.24 acres
- Landscape Architecture/ Urban Design
- Ped/Bike Safety Improvements
- Drainage Coordination
- Coordination with SDC 8



Recap on HCTRA Procurement(s)



Procurements: Summary

1. HDC Traffic and H&H Procurements are advertising **currently**
2. HDC Open Space Improvements adjacent to superfund site(s)- **Advertising in late May**
3. Katy Managed Lanes Signs and Pavement Markings Design Procurement- **May/June**
4. Hardy Toll Road Signs and Pavement Markings Design Procurement- **May/June**
5. Bridge Modular Expansion Joint and Misc Repairs Procurement- **May/June**
6. Heavy Highway, Bridge, & Drainage Maintenance Procurement- **May/June**
7. On Call Services- **May/June**
8. **Transportation/Structural Procurement- July**
9. **Amenitized Detention and Open Space Procurement- July**



5 Keys to Working with HCTRA

- 1. Improving mobility takes all of us.**
- 2. Toll roads fund infrastructure investment.**
- 3. HCTRA welcomes business partnerships.**
- 4. Small businesses drive big initiatives.**
- 5. Register for procurement opportunities.**



Partner with HCTRA!



Register on our Procurement Portal

View open opportunities to partner with us.

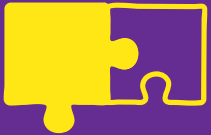
www.harriscountytexas.bonfirehub.com

Managed by the Harris County Purchasing Department



Sign Up for Email Notifications

Latest information and solicitation updates.



Solution Providers Wanted!

We know a lot, but not everything.



HCTRA
CONNECTS

Stay connected with us!

 /HCTRA  @HCTRA  @HCTRA_EZTAG



Thank you!



EZ TAG
(281) 875-3279

Harris County Toll Road Authority

HCTR98675309



10%
DISCOUNT

Get an EZ TAG and SAVE
10% on HCTRA Toll Roads
just by using your EZ TAG.
(Applies to 2-axle vehicles.)