



TEXAS DEPARTMENT OF TRANSPORTATION



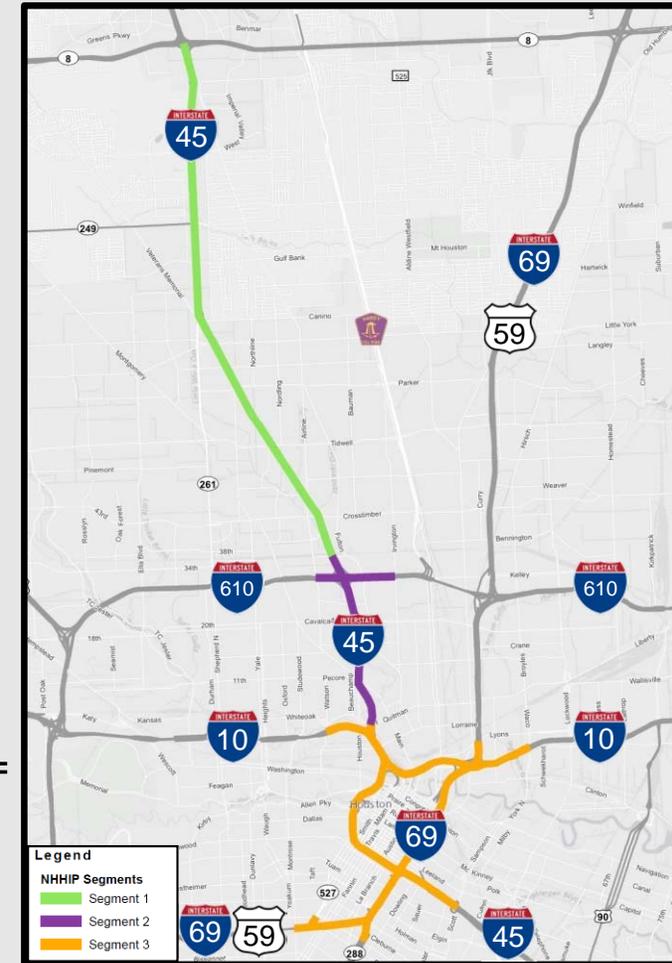
NORTH HOUSTON HIGHWAY IMPROVEMENT PROJECT (NHHIP): SEGMENT 3



April 19, 2018

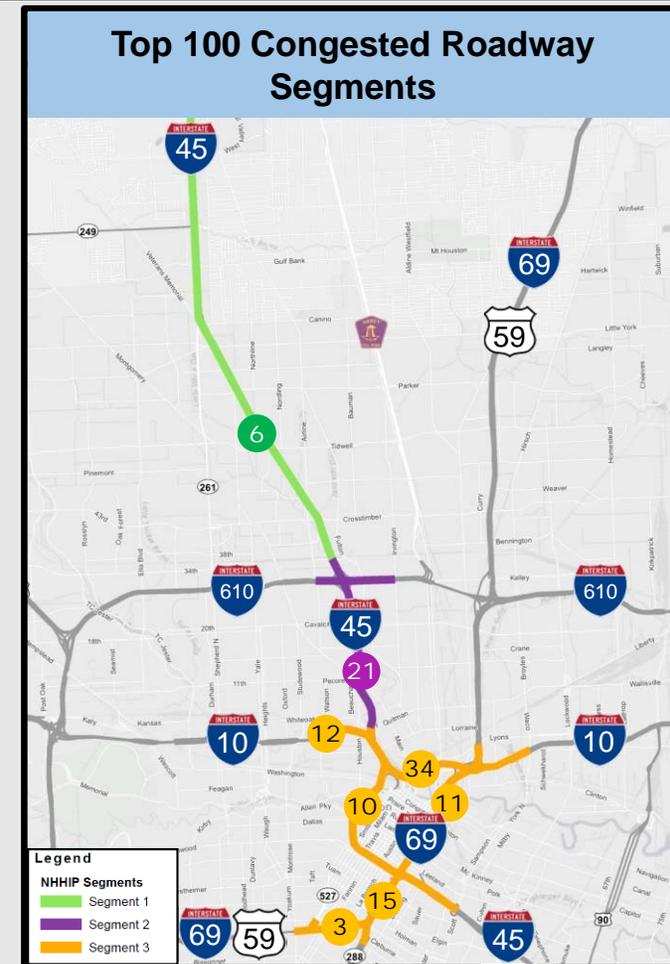
NHHIP OVERVIEW

- NHHIP divided into 3 Segments:
 - Segment 1: I-45: Beltway 8 to I-610 (9 mi)
 - Segment 2: I-45: I-610 to I-10 (3 mi)
 - Segment 3: Downtown Loop System (12.3 mi)
- Goal: provide a safer facility with additional capacity for projected demand by incorporating transit opportunities, travel demand strategies, and flexible operations
- One “Proposed Recommended Alternative” per segment = single corridor end to end (24 mi total)



NEED AND PURPOSE FOR PROPOSED NHHIP

- Need for Proposed Project
 - Population and employment increases
 - Manage projected traffic growth
 - Bring to current design and safety standards
 - Move traffic efficiently, including evacuation events
- Purpose of Proposed Project
 - Manage congestion
 - Enhance safety
 - Provide expanded transit and carpool opportunities with 2-way, 24/7 operations
 - Improve mobility and operational efficiency
- NHHIP has 8 of the Top 35 Most Congested Roadways in Texas



SEGMENT 3: PROPOSED RECOMMENDED ALTERNATIVE

Segment 1

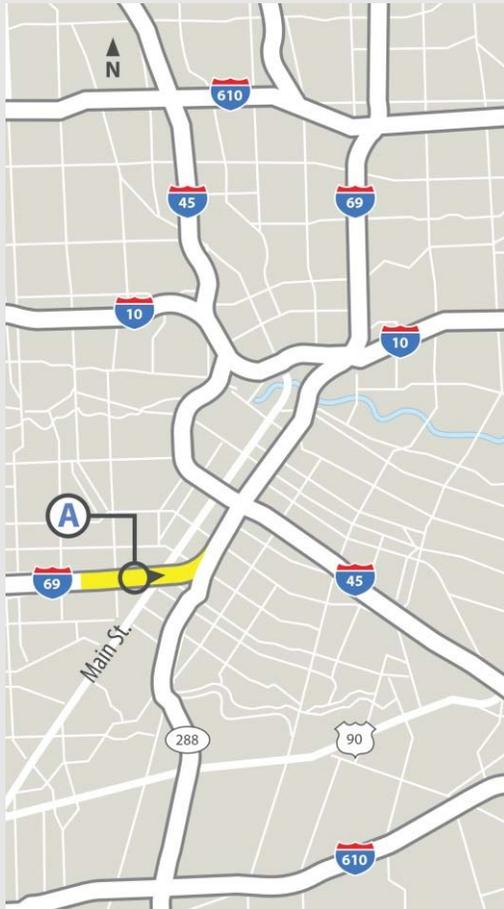
Segment 2

Segment 3

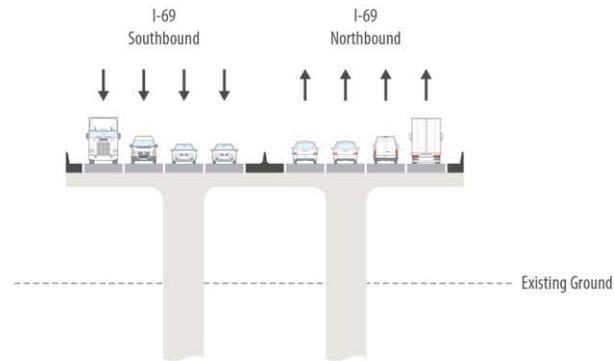
- Total length: 12.3 miles
- Construction cost estimate: \$2.78 billion
- Project scope:
 - Realign I-45 to run parallel with I-69 and I-10
 - Decommission the I-45 Pierce Elevated & construct the Downtown Connectors
 - Reconstruct I-10 to add non-tolled express lanes from I-69 to I-45 through downtown
 - Depress & widen I-69 from Spur 527 to Commerce St
 - Reconstruct SH 288 from I-69 to I-45
 - Reconstruct interchanges at:
 - I-69 & SH 288
 - I-45 & I-69
 - I-69 & I-10 (including realigned I-45)
 - I-45 & I-10



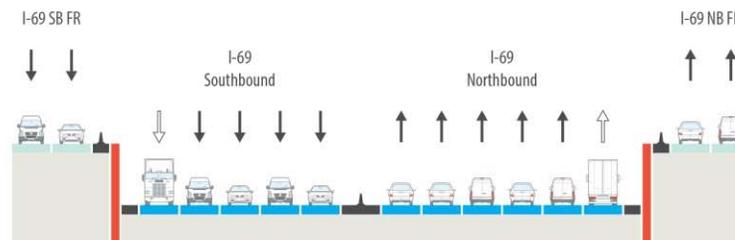
Section A: I69 (from Spur 527 to SH 288) design-bid-build



EXISTING

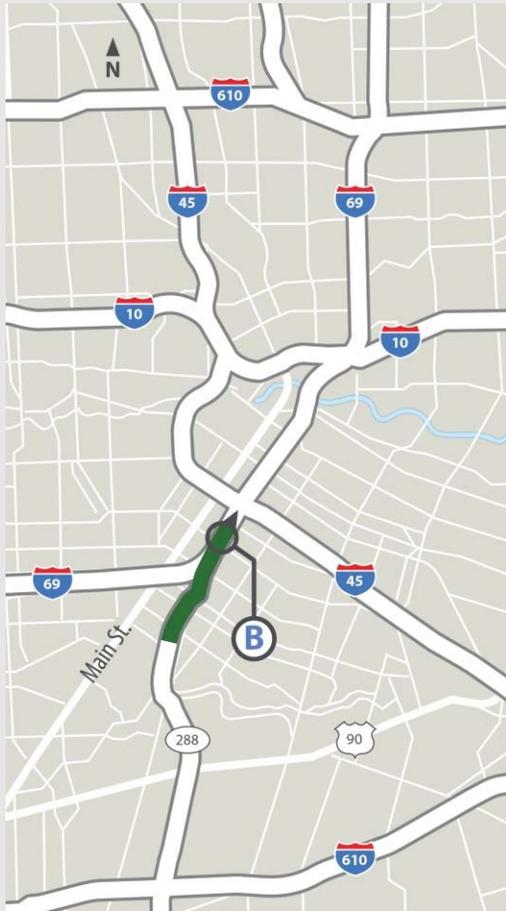


PROPOSED

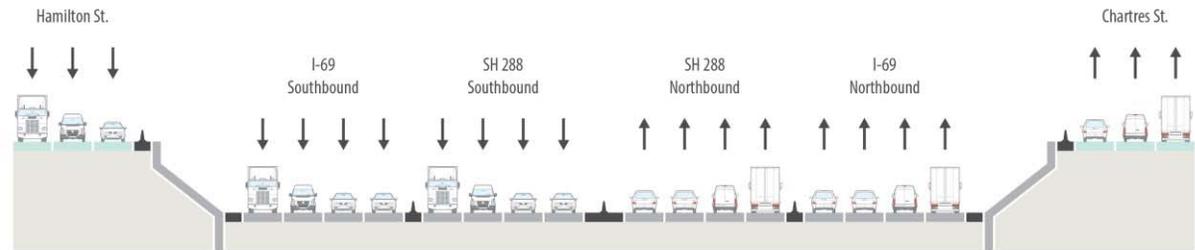


- ↓ = mainlane
- ⇩ = auxillary lane

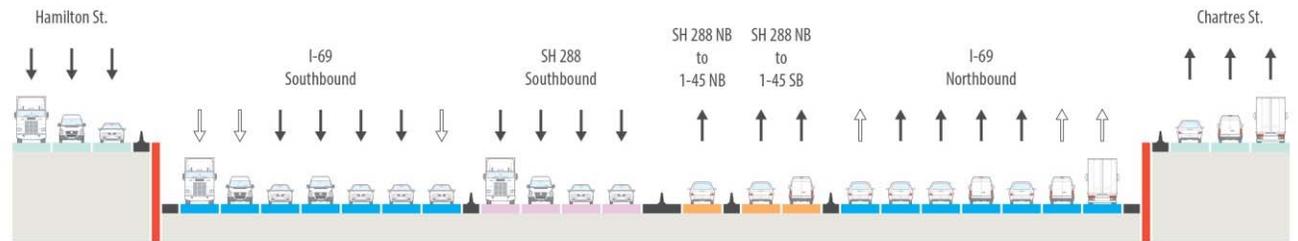
Section B: SH 288/I-69 (from Blodgett & SH 288 to I-45)



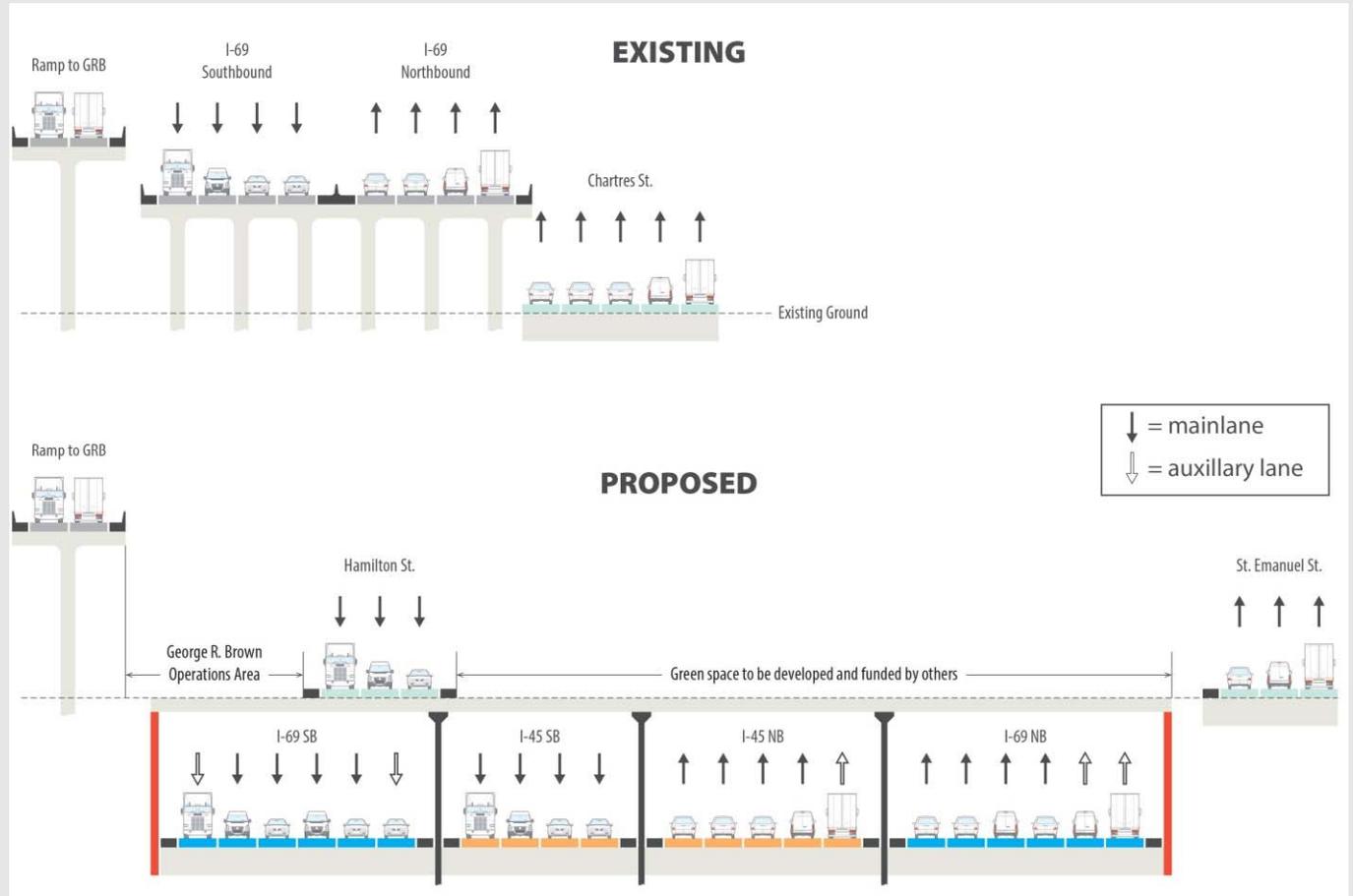
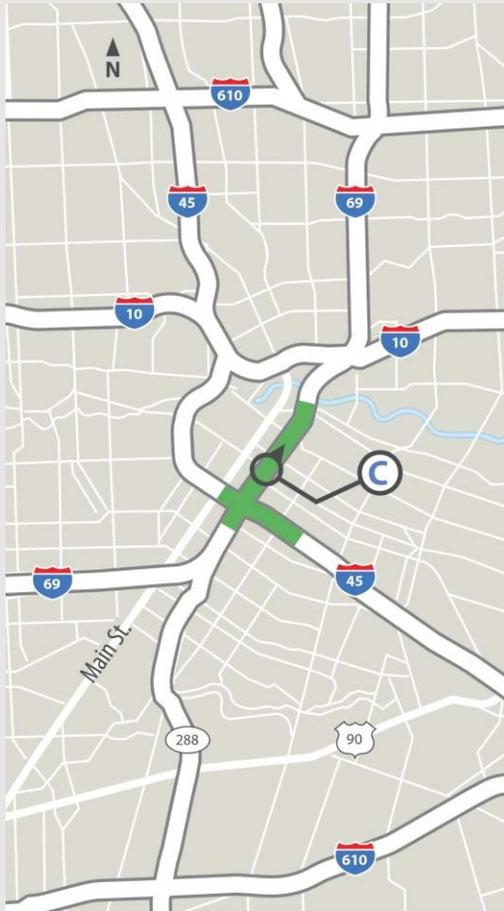
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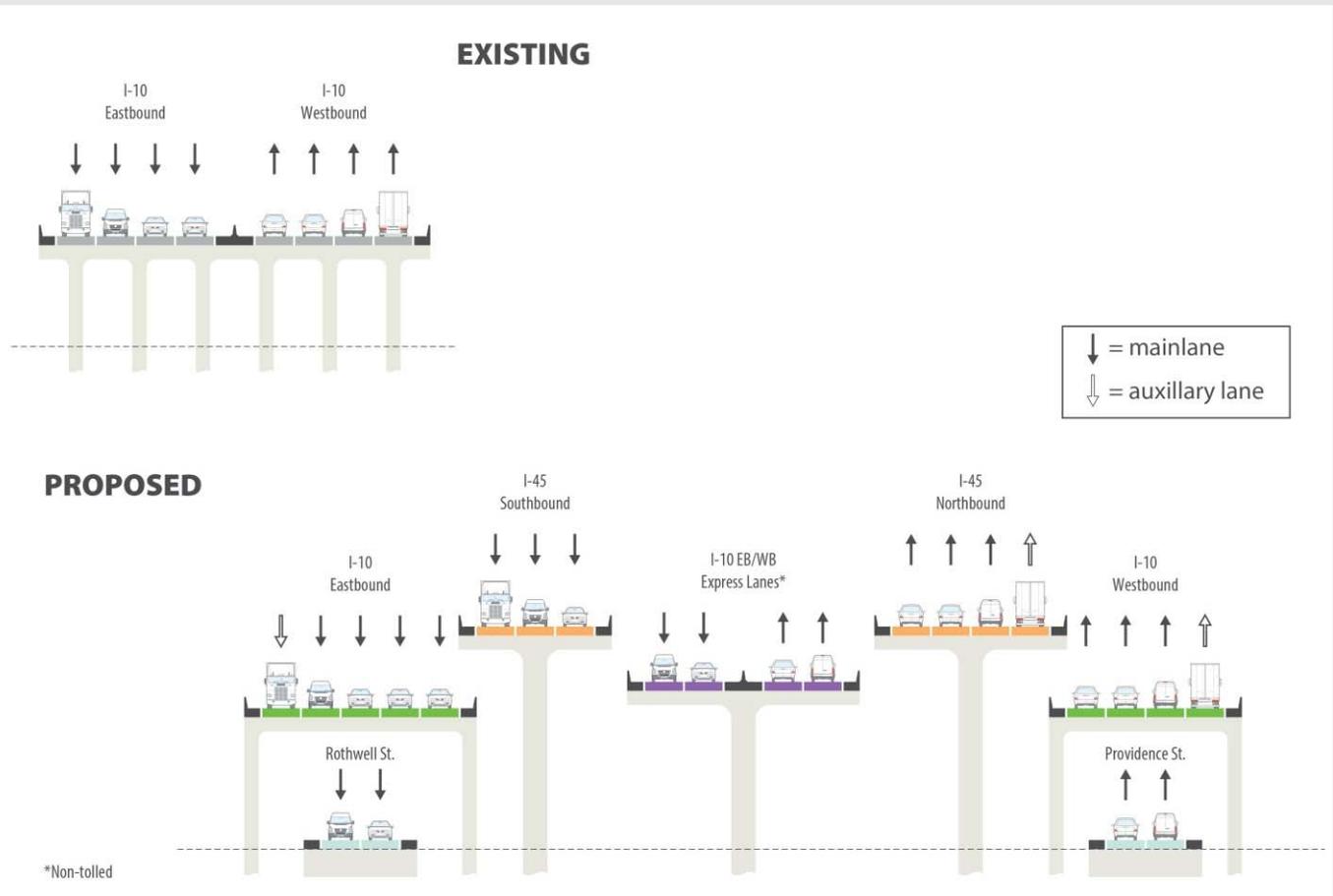
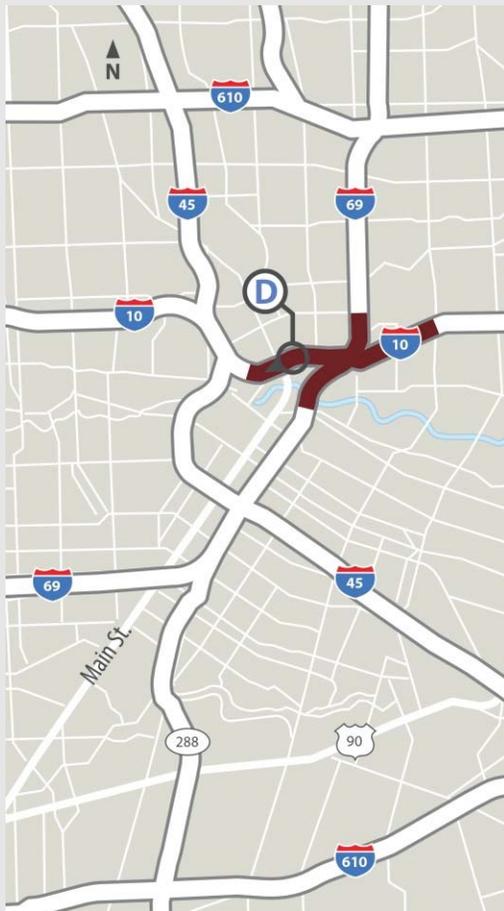
PROPOSED



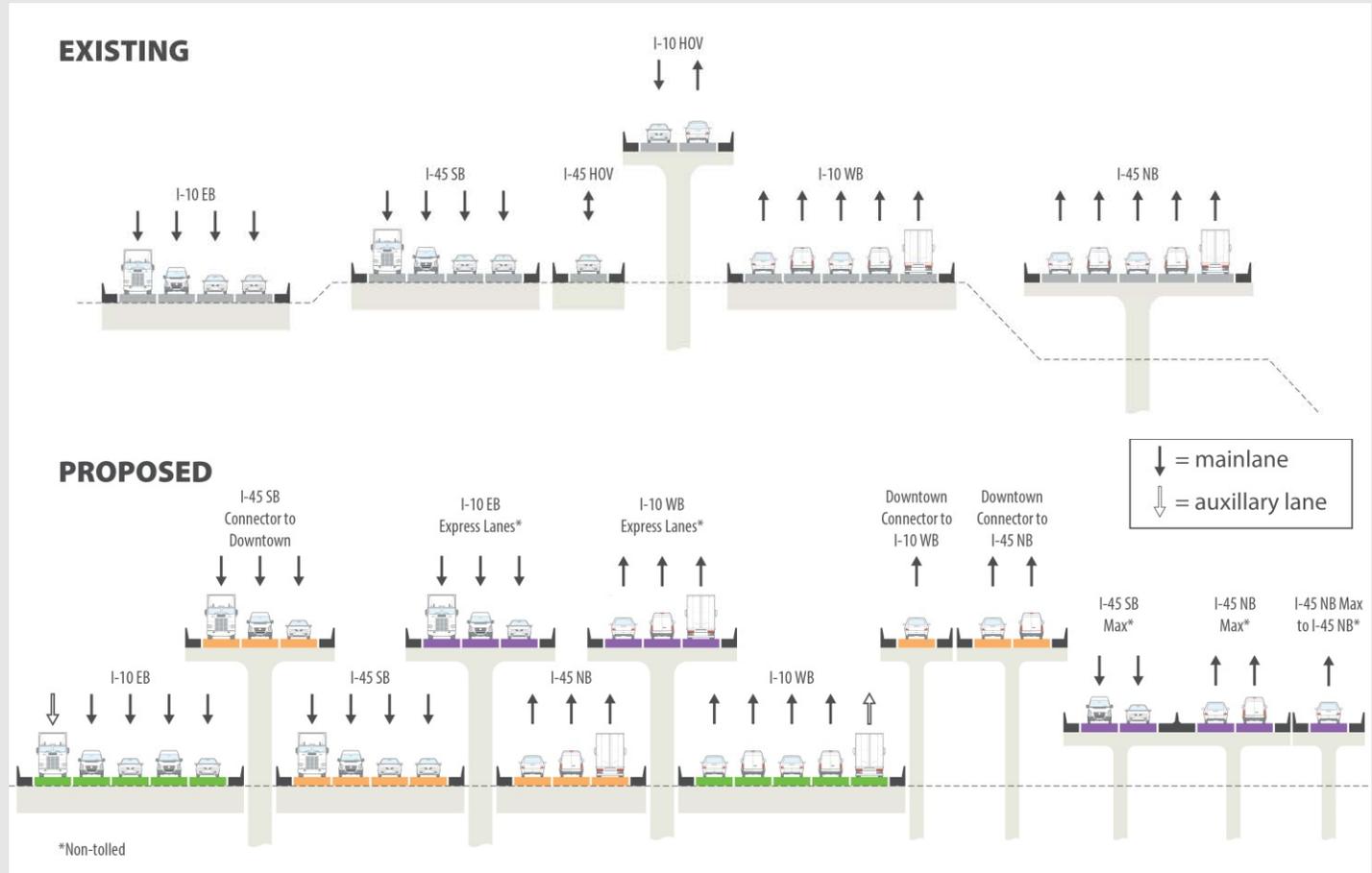
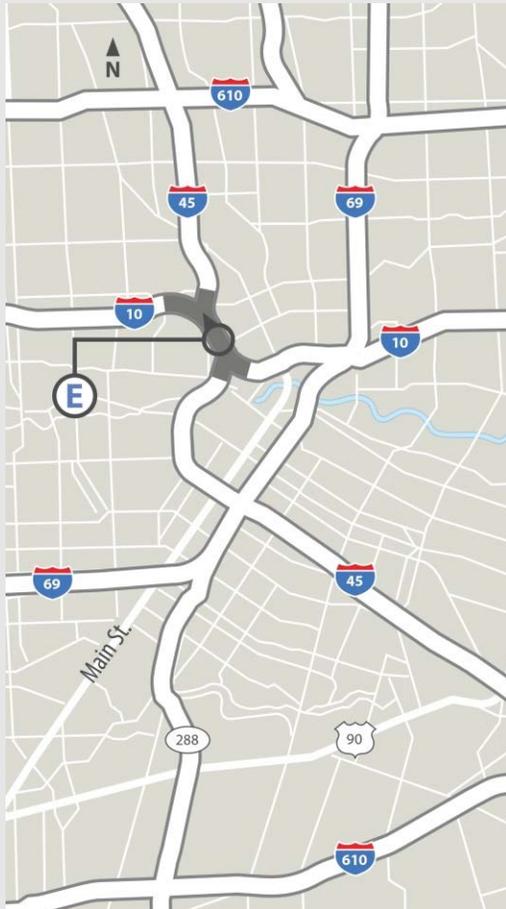
Section C: I-69 (from I-45 to Buffalo Bayou)



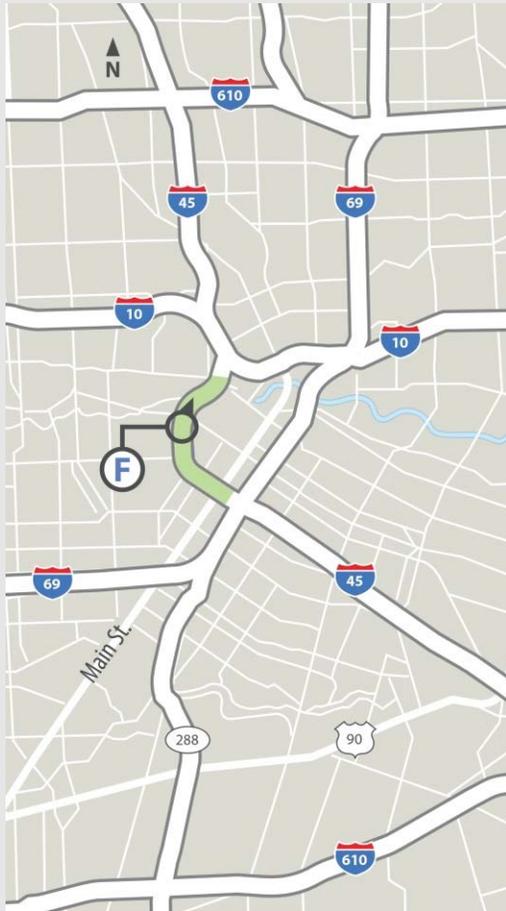
Section D: I-69 (from Buffalo Bayou to Lyons St) & I-10 (from Waco St to Main St)



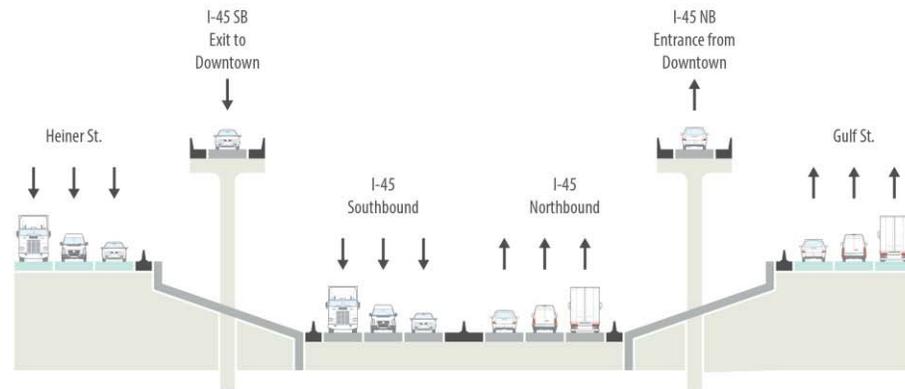
Section E: I-10 (from Main St to Houston Ave) & I-45 (North St to Preston Ave)



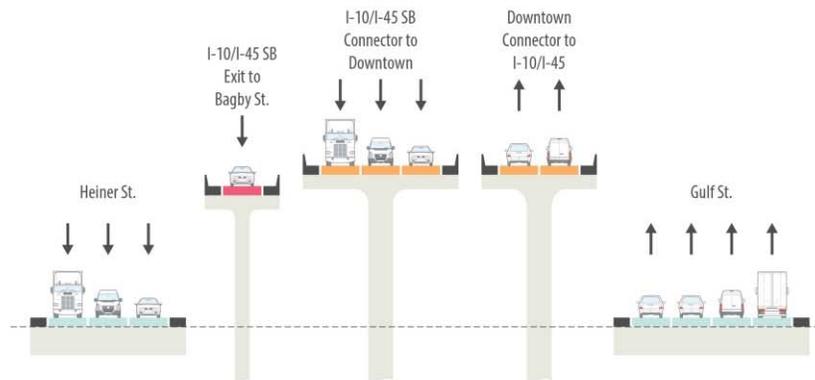
Section F: I-45/I-10 Downtown Connectors (from Preston St to Jefferson St)



EXISTING



PROPOSED



3D VISUALIZATION – SEGMENT 3

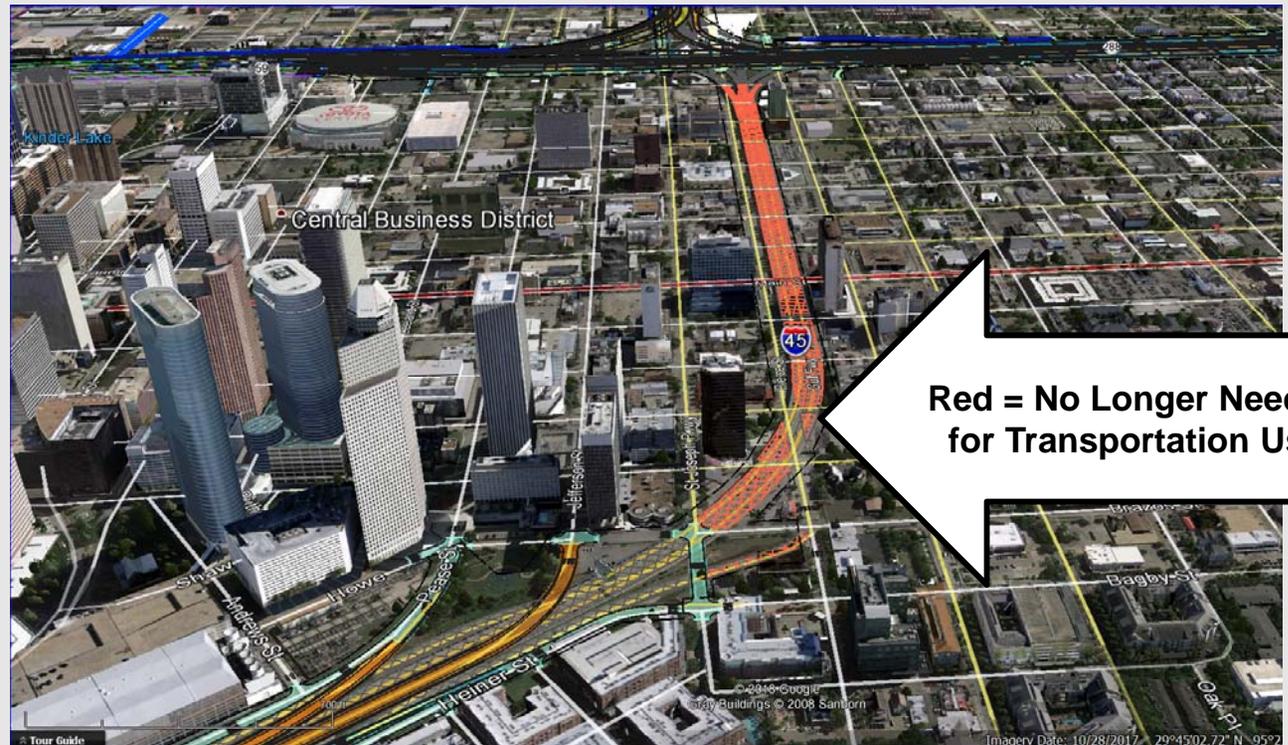
The visualizations shown in this video are conceptual only for the purpose of portraying proposed geometric features, including number of lanes, intersections, ramps and bridges.

The visualizations presented are not intended to portray current or future traffic operational characteristics of the corridor.

The improvements shown in this video are subject to change, based on further program development.

NHHIP: REPURPOSED FREEWAY - NEW OPPORTUNITIES

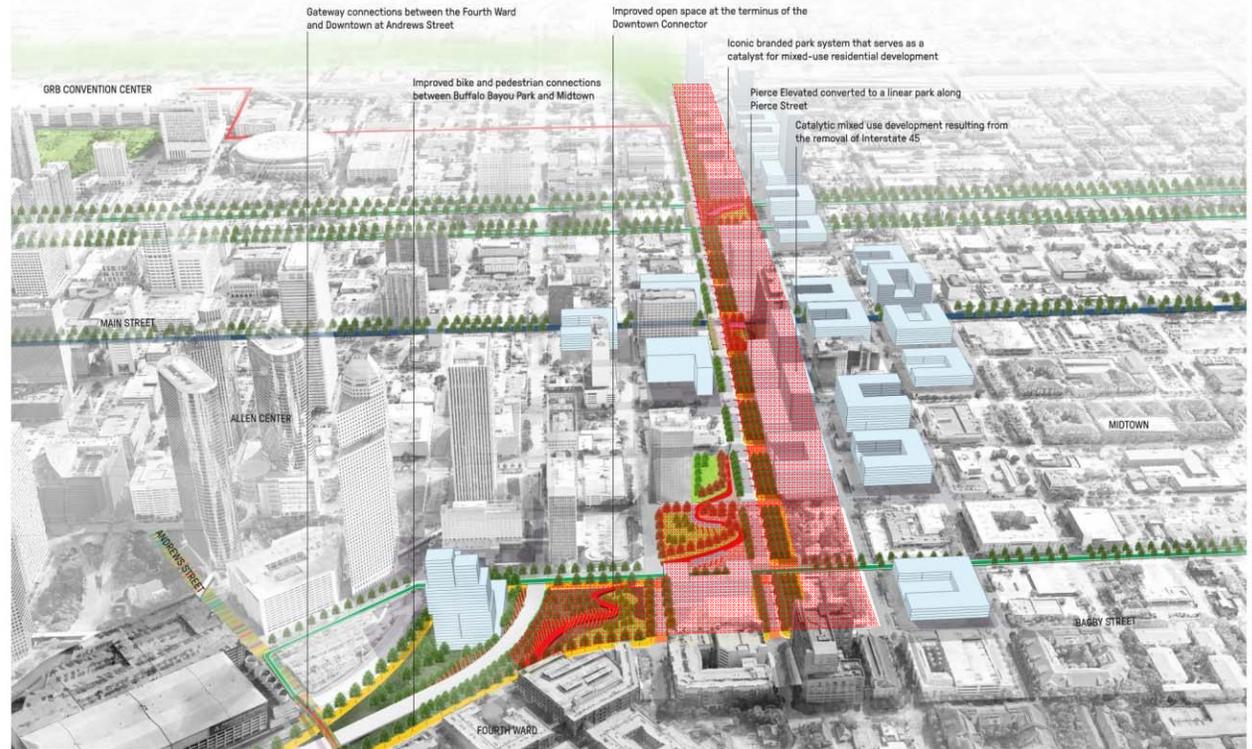
Once I-45 is relocated with NHHIP, the existing Pierce Elevated alignment and infrastructure is no longer needed by the state as a transportation use...



NHHIP: REPURPOSED FREEWAY - NEW OPPORTUNITIES

Artist's rendering of one option to repurpose Pierce Street – by others

Former alignment of I-45 Pierce Elevated Freeway



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Vision and Opportunities | NHHIP

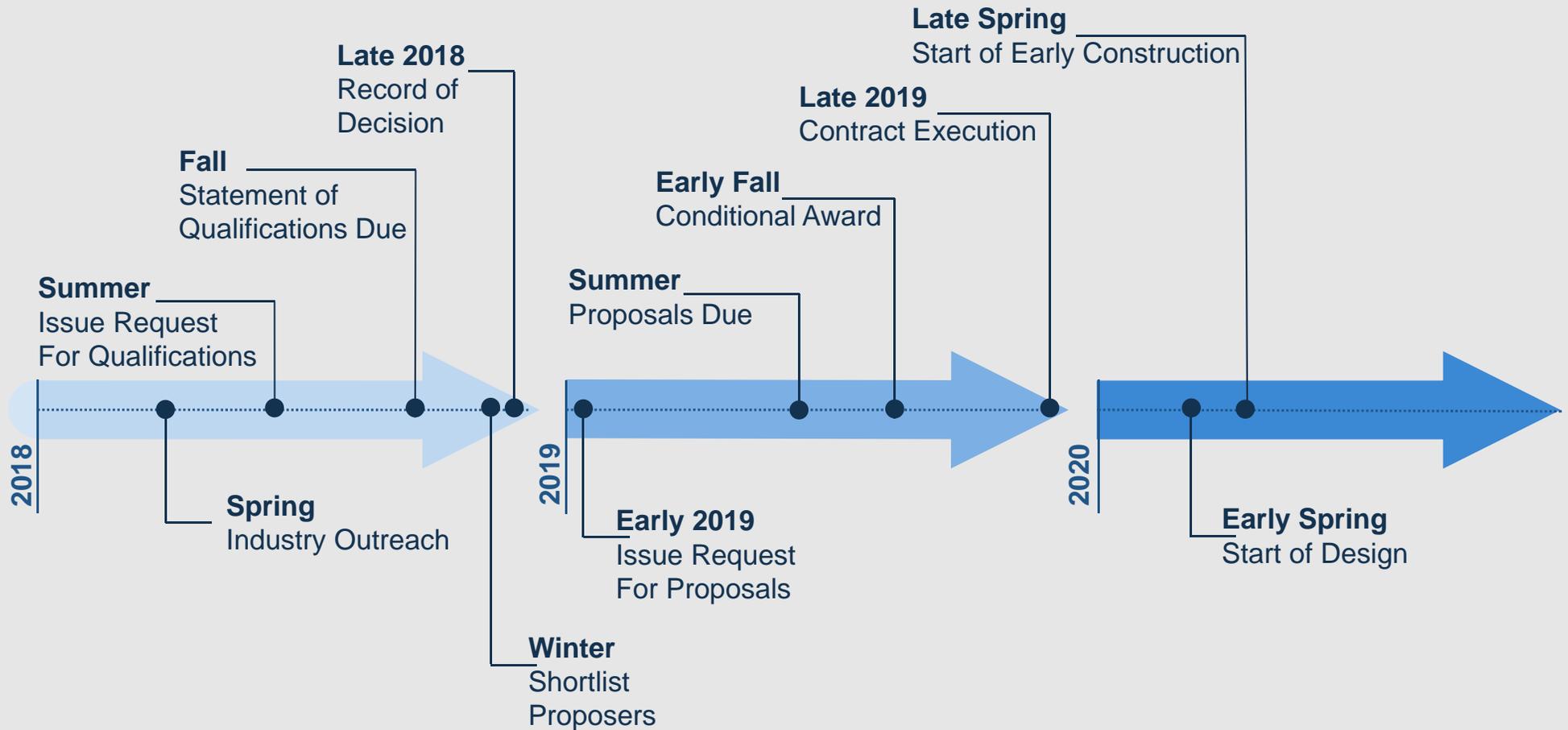
NHHIP Segment 3 –Project Status

- **Design**
 - Schematic is provided on the NHHIP website – www.i45northandmore.com
 - Interstate Access Justification Report is under development
- **Environmental Clearance**
 - Draft Environmental Impact Statement (EIS) published April 2017 with Public Hearings in May 2017
 - Final EIS is in progress, with Record of Decision anticipated December 2018
- **Permitting Required**
 - US Army Corps of Engineers Permit
 - US Coast Guard Permit
- **Right of Way (ROW)**
 - ROW Mapping is underway

NHHIP Segment 3 –Project Status

- **Railroad**
 - There are 12 railroad crossings on the project
 - Preliminary coordination is underway with UPRR and METRO rail facilities
- **Utilities**
 - Aerial and underground utility investigations are underway
- **Geotechnical**
 - Geotechnical investigations are underway
- **Drainage Studies**
 - Preliminary Drainage Report is available on the NHHIP website: www.i45northandmore.com
 - An update to the report is underway

Design-Build Anticipated Timeline



Project Resources

- NHHIP Project Website
 - <http://www.ih45northandmore.com/>
- Strategic Contract Management Homepage
 - <http://www.txdot.gov/inside-txdot/division/debt/strategic-projects.html>
- Architectural, Engineering and Surveying Consultants
 - <https://www.txdot.gov/business/consultants/architectural-engineering-surveying.html>
- DBE TxDOT Page
 - <http://www.txdot.gov/business/partnerships/dbe.html>