



# I-45 NHHIP Segment 3B-1 Initial Construction Project

For additional information about the project, visit us online at: [www.txdot.gov/nhhip](http://www.txdot.gov/nhhip)

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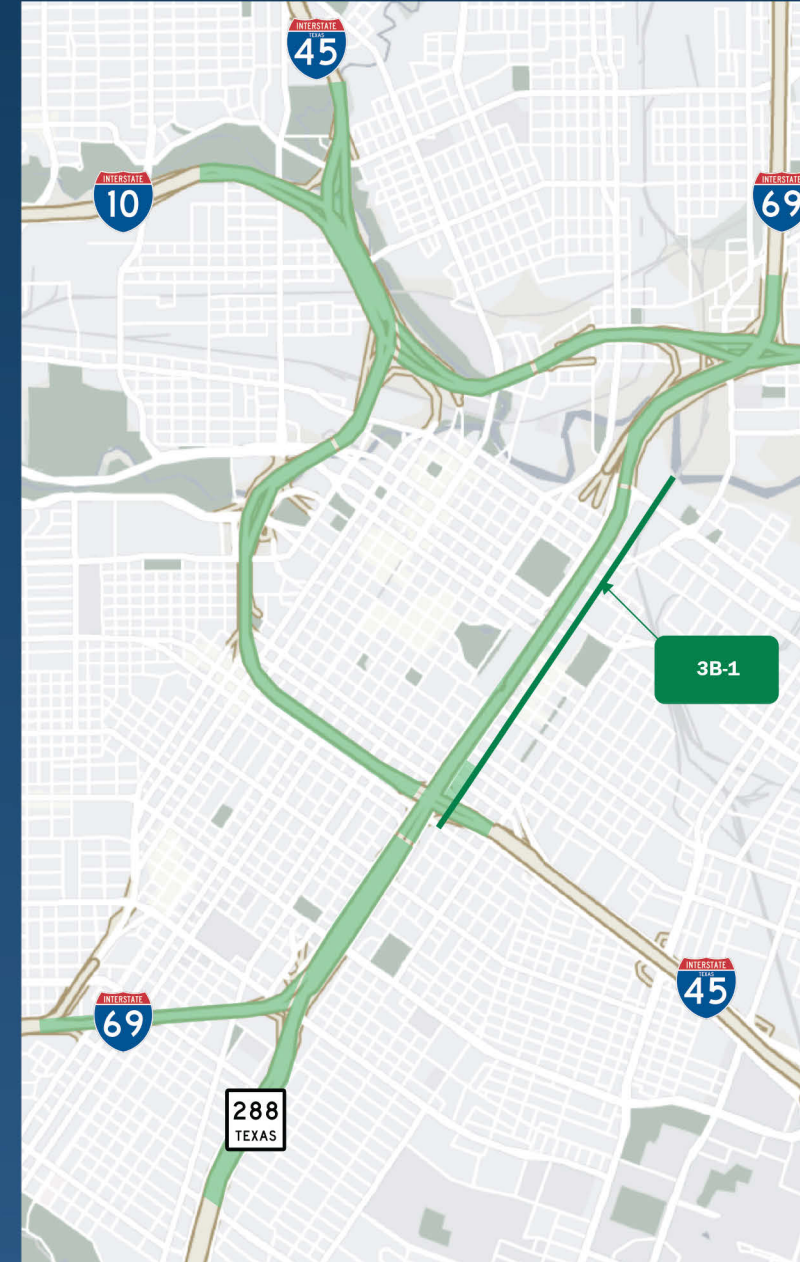
## SEGMENT 3B-1 OVERVIEW



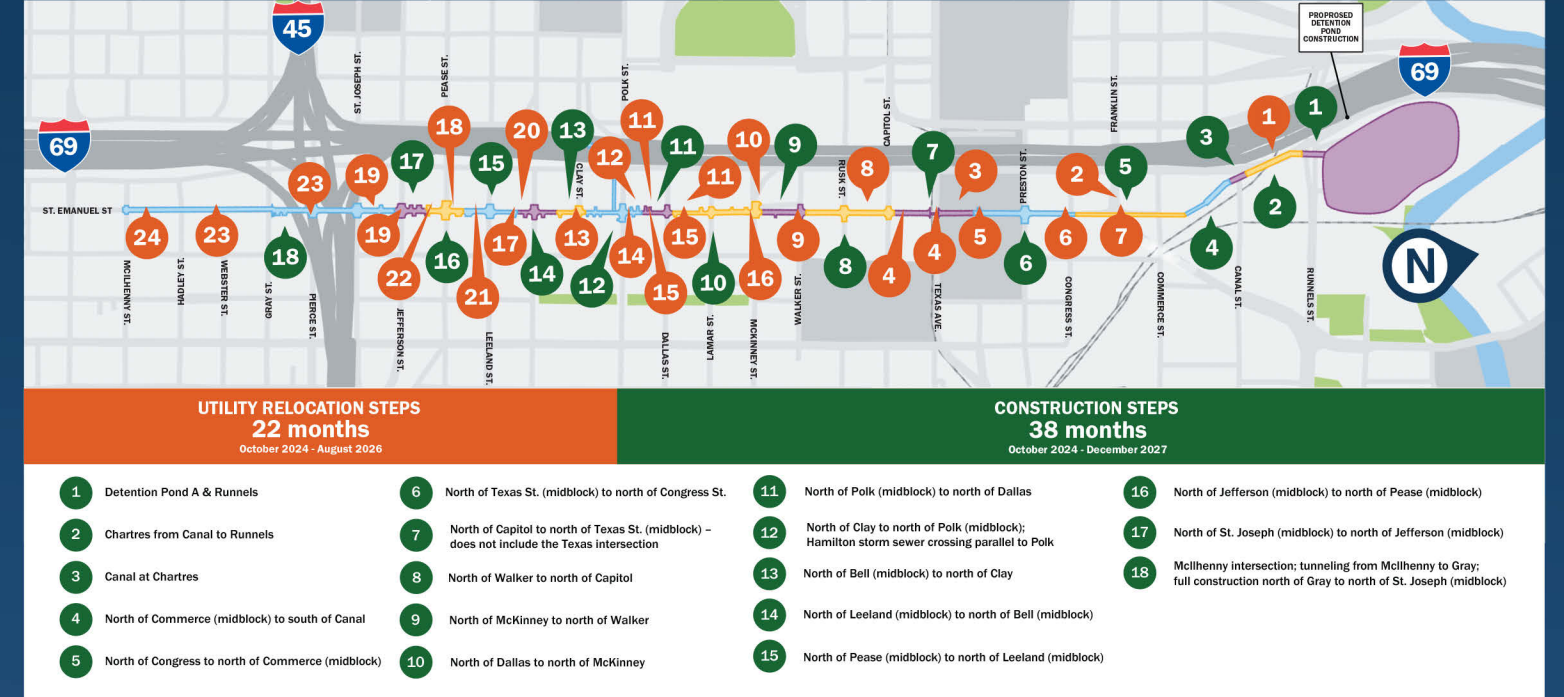
### PACKAGE 1, DRAINAGE IMPROVEMENTS ALONG ST. EMANUEL STREET TO BUFFALO BAYOU (3B-1)

- Construction of drainage outfall to Buffalo Bayou (including drainage box culverts and detention pond), and reconstruction of St. Emanuel St.
- Contract Awarded June 2024
- Project Cost: \$121.8 Million
- Contractor: Harper Brothers Construction
- Construction is anticipated to start October 2024.
- Anticipated completion in 2027
- Active public engagement and will continue through construction completion

## SEGMENT 3B-1 PROJECT MAP



## KEY INFORMATION & PROPOSED CHANGES

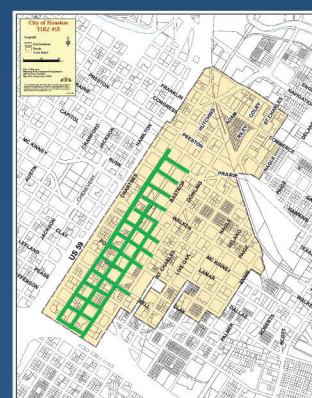


## SEGMENT 3B-1 OUTREACH



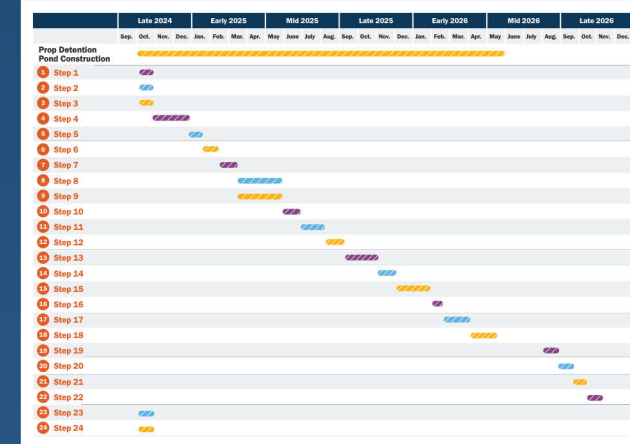
- TxDOT meeting with St. Emanuel Street business owners, February 2024.

## SEGMENT 3B-1 LANDSCAPING PLAN



- Landscape architects will coordinate with stakeholders on final landscape design
- Working with City of Houston on tree removal and mitigation permit
- Landscape will be a separate contract, and will follow the roadway and drainage construction
- TIRZ preferred tree mitigation areas are highlighted in green, TxDOT will investigate tree location feasibility
- Tree removal follows utility relocation, not construction
- Tree removal will be phased

## UTILITY PHASING SCHEDULE

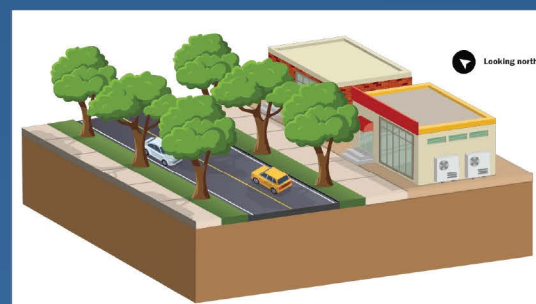


## CONSTRUCTION PHASING SCHEDULE



# SEGMENT 3B-1 CONSTRUCTION PROCESS

EXISTING TYPICAL SECTION (BEFORE CONSTRUCTION)



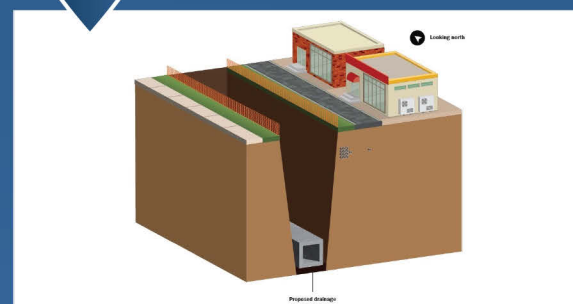
STEP 1 UTILITY CONSTRUCTION



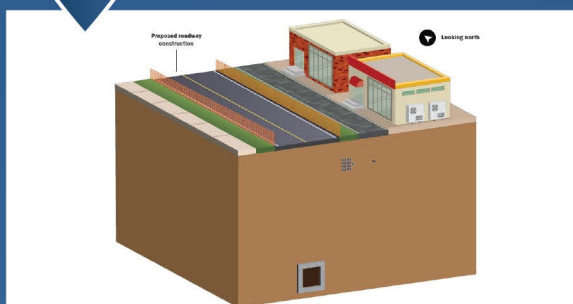
STEP 2 PEDESTRIAN REALM CONSTRUCTION



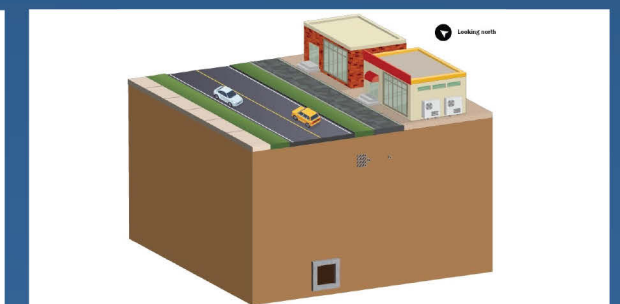
STEP 3 DRAINAGE BOX CONSTRUCTION



STEP 4 ROADWAY CONSTRUCTION



TYPICAL SECTION (AFTER CONSTRUCTION)



\* This is the final condition for 3B-1 but St. Emanuel will ultimately be a one-way northbound street after Project 3D construction.