City of Houston
Bicycle Advisory Committee
Infrastructure Subcommittee

PLANNING & DEVELOPMENT DEPARTMENT

HOUSTON BIKEPLAN

Meeting to be held in person and virtually via Microsoft Office Teams
Wednesday, November 16, 2022. 2:30 – 4:30pm
John B. Raia Conference Room, 611 Walker St

Call-In Option: +1 936-755-1521 **Conference ID:** 172 659 917#

Microsoft Teams Meeting Link:

For meeting documents, please visit our website

Comments received via email before 5:00pm November 15, 2022 will be read into the record during public comment.

The public is invited to speak for up to two (2) minutes each either at the beginning of the meeting or at the end.

Agenda

Discussion Regarding the Following Items:

1. Director's Report
2. Chair's Report
3. Public Comment
4. Presentation: Houston Parks Board's Trail Safety Audit - Trent Rondot
5. Presentation: Update of HSIP Projects - Houston Public Works
6. Open Forum
7. Announcements/Events

City of Houston
BAC Infrastructure Subcommittee

November 16, 2022

Call to Order. Co-Chair Alejandro Perez called the meeting to order at 2:30pm.

Roll Call:
Tom Compson*, Chair (P)
Alejandro Perez*, Vice Chair BAC, Co-Chair BAC Infrastructure (P)
Tracy Alexander (A)
Leah Chambers* (A)
Adam J. Williams (A)
Carl B. Salazar (A)
Com. Kristine Anthony-Miller (A)
Beth Martin* (A)
Lisa Graiff (A)
Trevor Reichman (P)
Jessica Wiggins* (A)
Yuhayna Mahmud* (P)
Nick Hellyar (P)
Judith Villarreal (A)
Amar Mohite* (A)
Mike VanDusen* (P)
Ana Ramirez Huerta*(A)
Nikki Knight (A)
Robin Holzer* (A)
Veon McReynolds (A)

Ex-Officio Members:
David Fields (P)
Ian Hlavacek* (P)
Juvenal Robles (A)

*BAC Infrastructure Subcommittee Member

1) Director's Report. Director David Fields gave the Director's Report:
    - Update on BFC application. We are submitting for silver status. Thank you to all staff and partners that have help gather information towards this goal.
    - Introduction of GHORBA to BAC.
2) Chair's Report. Co-Chair Perez gave the Chair's Report:

3) Public Comment:
    None

4) Presentation: Houston Parks Board's Trail Safety Audit - Trent Rondot
5) Presentation: Update of HSIP Projects - Houston Public Works
6) Open Forum

7) Announcements and Events:
    - Next BAC meetings
        - 12/21/22: Education Subcommittee
        - 1/25/23: Bicycle Advisory Committee
        - 2/22/23: Infrastructure Subcommittee

Adjournment. Meeting adjourned at 4:02pm.

Bicycle Advisory Committee

Infrastructure Subcommittee

November 16, 2022

PLANNING & DEVELOPMENT DEPARTMENT

Mission and Vision

BAC Mission
To advise and make recommendations to the commission and the director on issues related to bicycling in the city including, but not limited to, amendments to the Bike Plan, bicycle safety and education, implementation of the Bike Plan, development of strategies for funding projects related to bicycling, and promoting public participation in bicycling.

BAC Vision
By 2027, the City of Houston will be a Safer, More Accessible, Gold Level Bike-Friendly City

Infrastructure Subcommittee Roll Call

Tom Compson, Chair BAC

Alejandro Perez, Vice Chair, Infra SC Chair

Leah Chambers

Beth Martin

Jessica Wiggins

Yuhayna Mahmud

Judith Villarreal

Amar Mohite

Mike VanDusen

Ana Ramirez Huerta

Robin Holzer

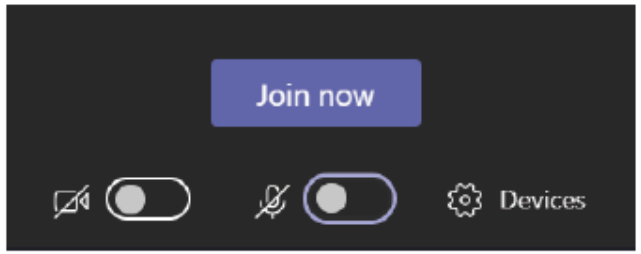
Ian Hlavacek

David Fields

Juvenal Robles

Microsoft Teams Meeting Instructions

Microsoft Teams Meeting Instructions



Please Remember to Stay on Mute, unless Identified by the Chair to speak

If you are connecting through the phone, please mute/unmute by pressing *6





Agenda

1. Director’s Report
2. Chair’s Report
3. Public Comment
4. Presentation: Houston Parks Board’s Trail Safety Audit - Trent Rondot
5. Presentation: Update of HSIP Projects - Houston Public Works
6. Open Forum
7. Announcements/Events

The public is invited to speak for up to two (2) minutes each at the beginning of the meeting.

Director's Report

David Fields
Chief Transportation Planner,
Planning & Development Department

Chair's Report

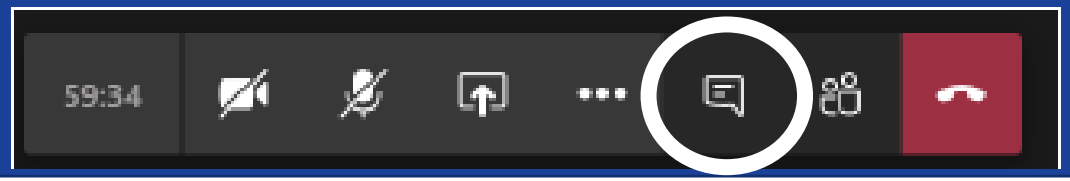
Alejandro Perez
Co-Chair, Infrastructure Subcommittee
Vice Chair BAC

Public Comment

Send **written comments** to bac@houstontx.gov by 5:00pm the day before a BAC meeting. Comments will be read aloud by staff during the meeting.

Comment by **Phone:** to join dial 936-755-1521; ID 172 659 917# Press ***6** to unmute when called upon by the Chair

Comment via **Microsoft Teams**: Type your name and that you would like to comment



Houston Parks Board's Trail Safety Audit

Trent Rondot
Houston Parks Board

Update of HSIP Projects

Virginia Lynn
Houston Public Works

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) UPDATE

HOUSTON PUBLIC WORKS

VIRGINIA LYNN

MULTIMODAL SAFETY & DESIGN

HSIP OVERVIEW

Program and Funding

HSIP OVERVIEW

- United States Code (UCS) Title 23, Chapter 1 Section 152, mandates each state shall conduct and systematically maintain an engineering survey of all public roads to identify hazardous locations, sections, and elements, including roadside obstacles and unmarked or poorly marked roads which may constitute a danger to motorists, bicyclists, and pedestrians, assign priorities for the correction of such locations, sections, and elements and establish and implement a schedule of projects for their improvement.

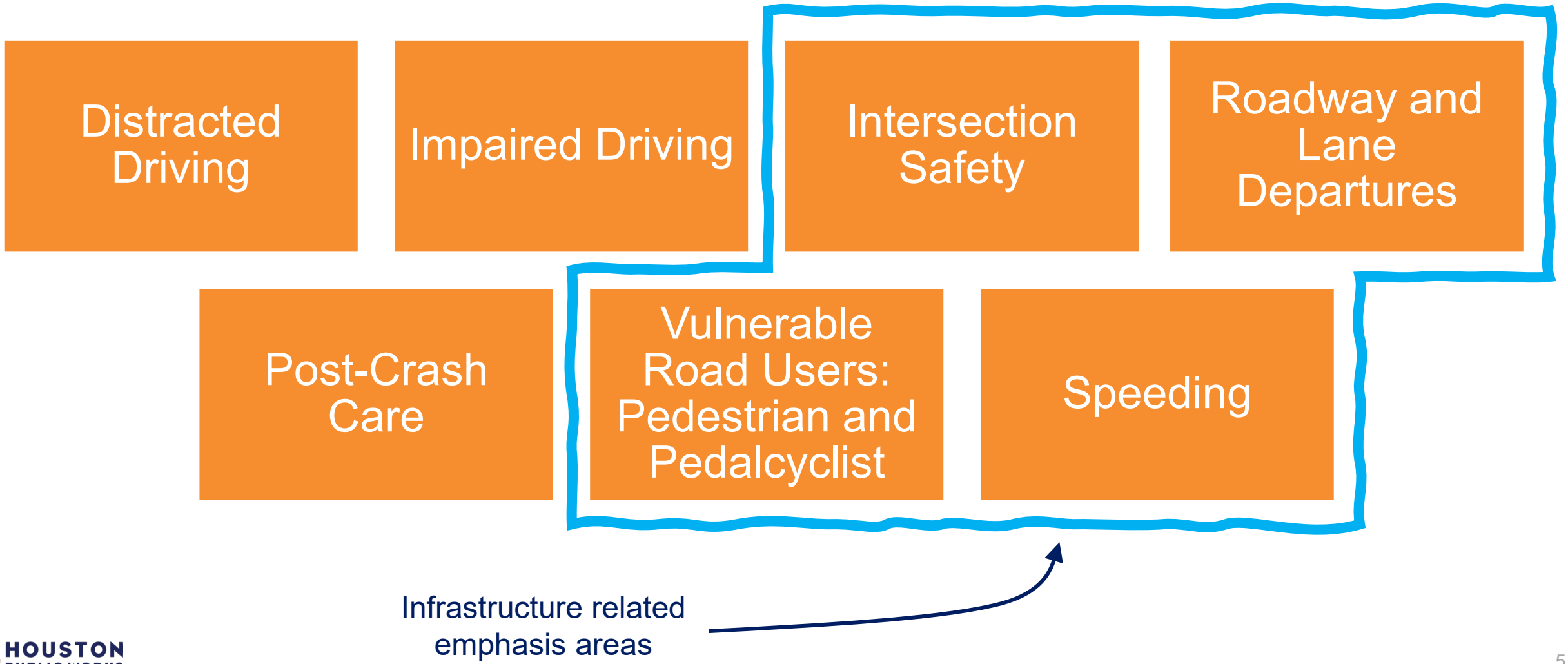
- In compliance with Title 23 USC, the Texas Highway Safety Improvement Program (HSIP) is a federally mandated program managed by TxDOT.

- HSIP, directed by Texas' Strategic Highway Safety Plan (SHSP), works to achieve the main objective of significantly reducing traffic fatalities and serious injuries on all public roads by providing a standardized approach for identifying and reviewing specific traffic safety concerns throughout the state.

HSIP EMPHASIS AREAS

- Distracted Driving
- Impaired Driving
- Intersection Safety
- Roadway and Lane Departures
- Post-Crash Care
- Vulnerable Road Users: Pedestrian and Pedalcyclist
- Speeding

HSIP EMPHASIS AREAS



OFF-SYSTEM FUNDING LEVELS

AS OF NOVEMBER 2022

	FY 23	FY 24	FY 25	FY 26
Remaining Available	$3,480,601	$2,838,112	$3,207,738	$12,338,346
Approved	$3,964,622	$4,793,823	$8,540,948	-

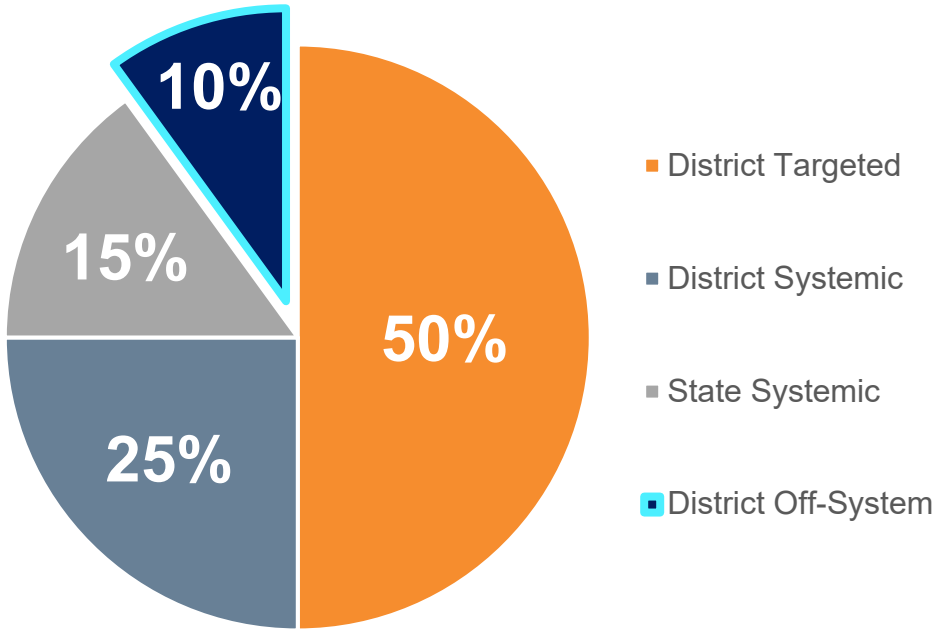
= $21,864,797

= $17,299,402

These totals may change with further coordination.

2020 Total Approved:
11 submissions; **$3,455,702**

2021 Total Approved:
19 submissions; **$13,843,691**

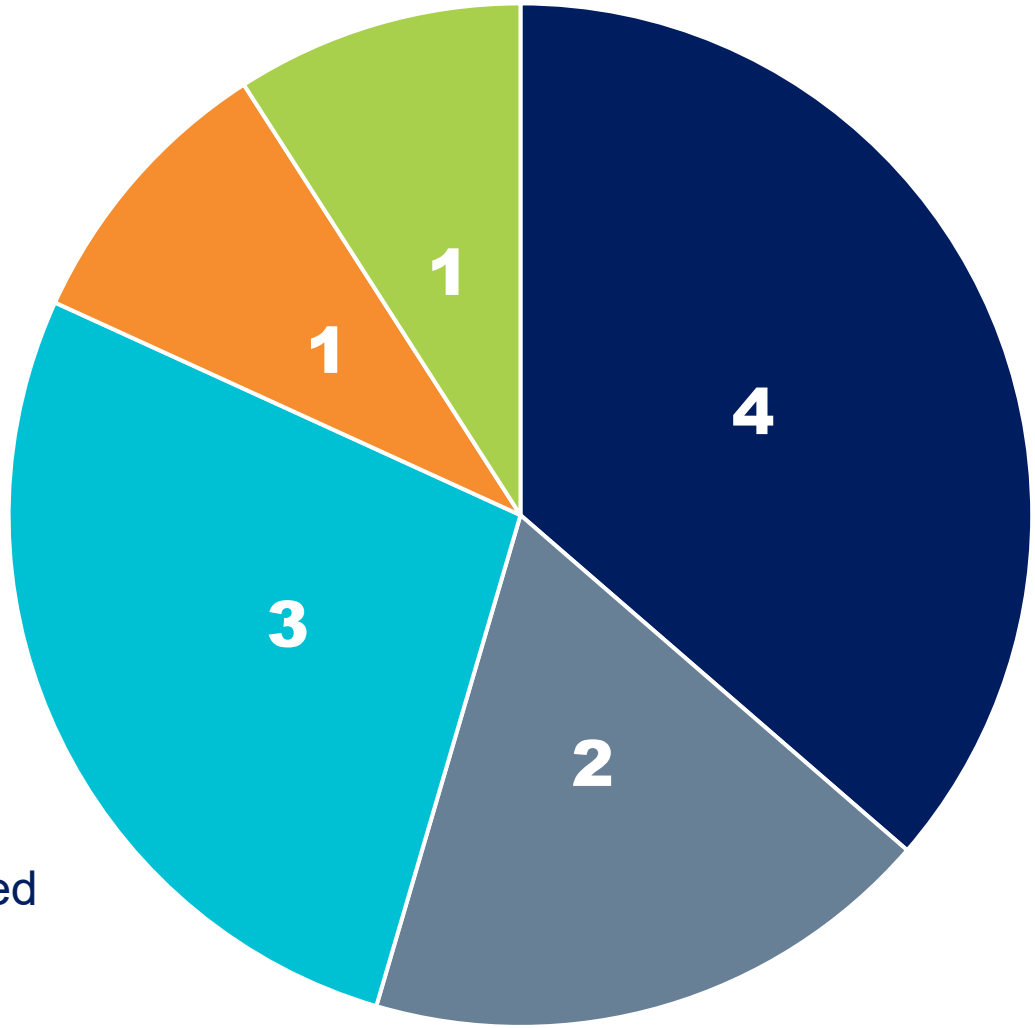


HOUSTON PUBLIC WORKS

APPROVED 2020 & 2021 SUBMISSIONS

Design & Construction Status

2020 APPROVED SUBMISSIONS



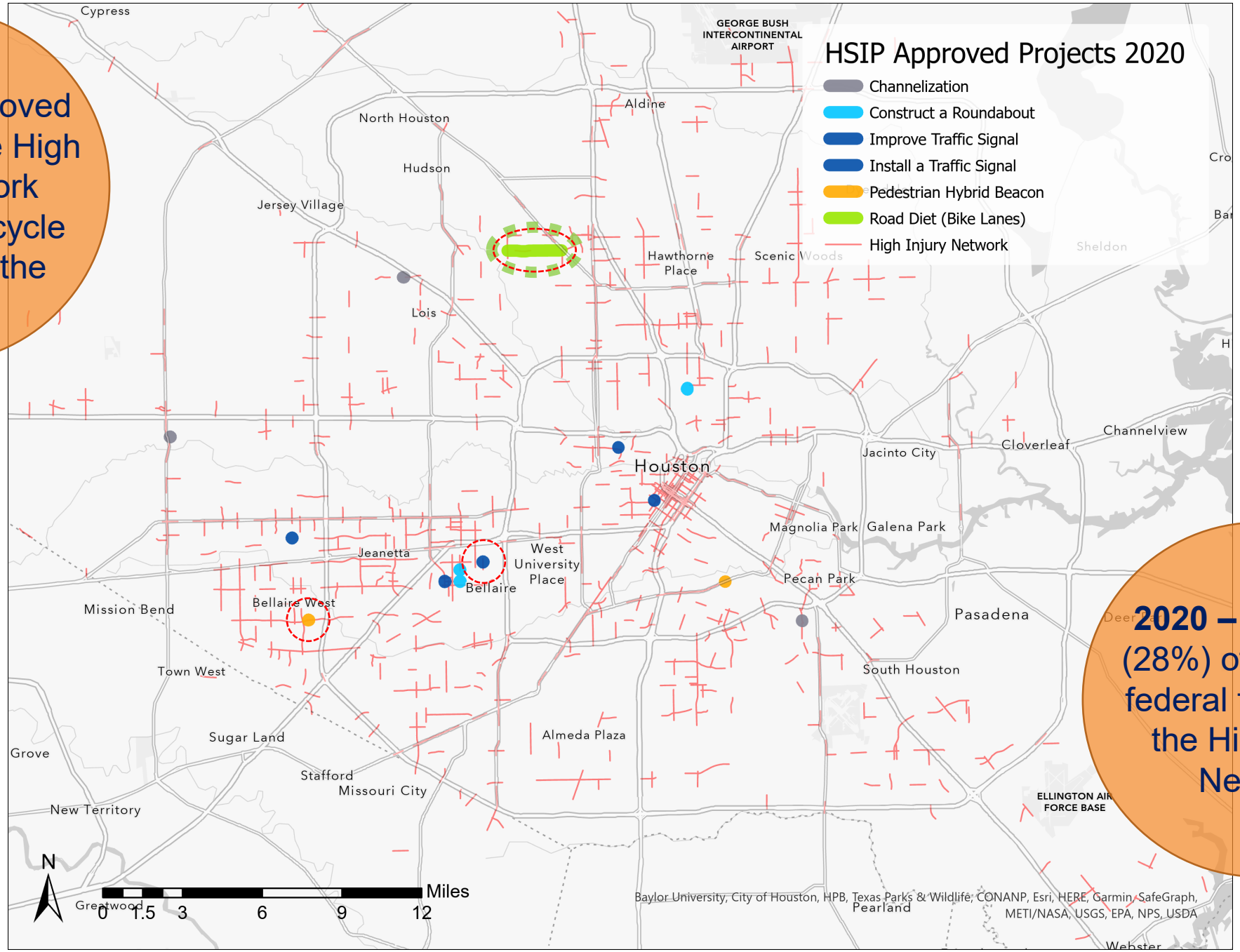
- Install or Improve Traffic Signal
- Channelization
- Construct a Roundabout
- Install a Pedestrian Hybrid Beacon
- Road Diet (CTL & Bike Lanes)

11 approved projects

Authorized Federal Funding:
$3,954,282

HOUSTON PUBLIC WORKS

2020 – 3 approved projects on the High Injury Network (HIN). The bicycle facility is on the HIN.

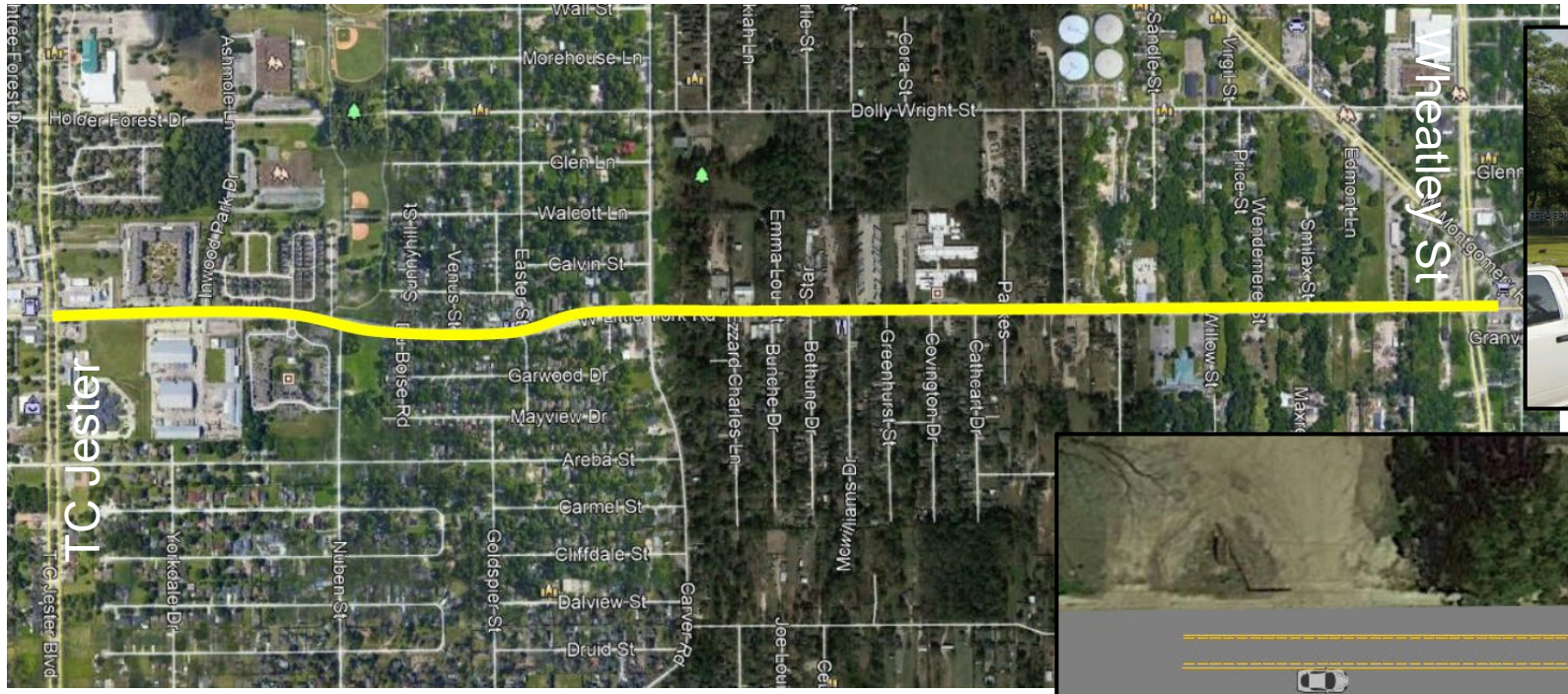


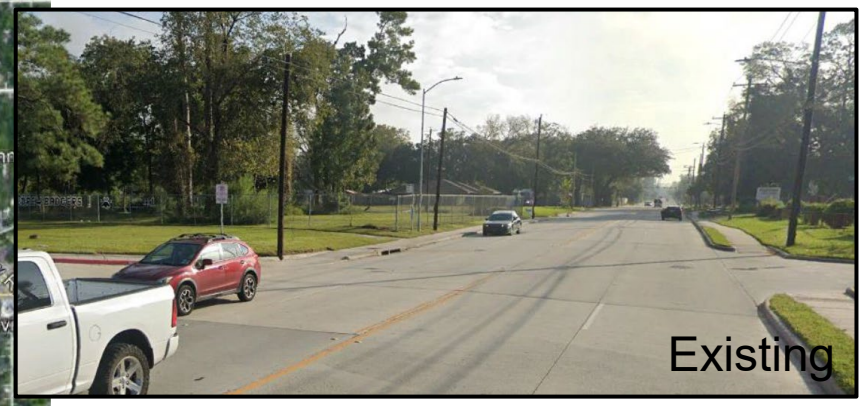
2020 – $951,956 (28%) of approved federal funding on the High Injury Network

HOUSTON PUBLIC WORKS

W LITTLE YORK
TC JESTER TO WHEATLEY

Authorized Federal Funding
$547,324





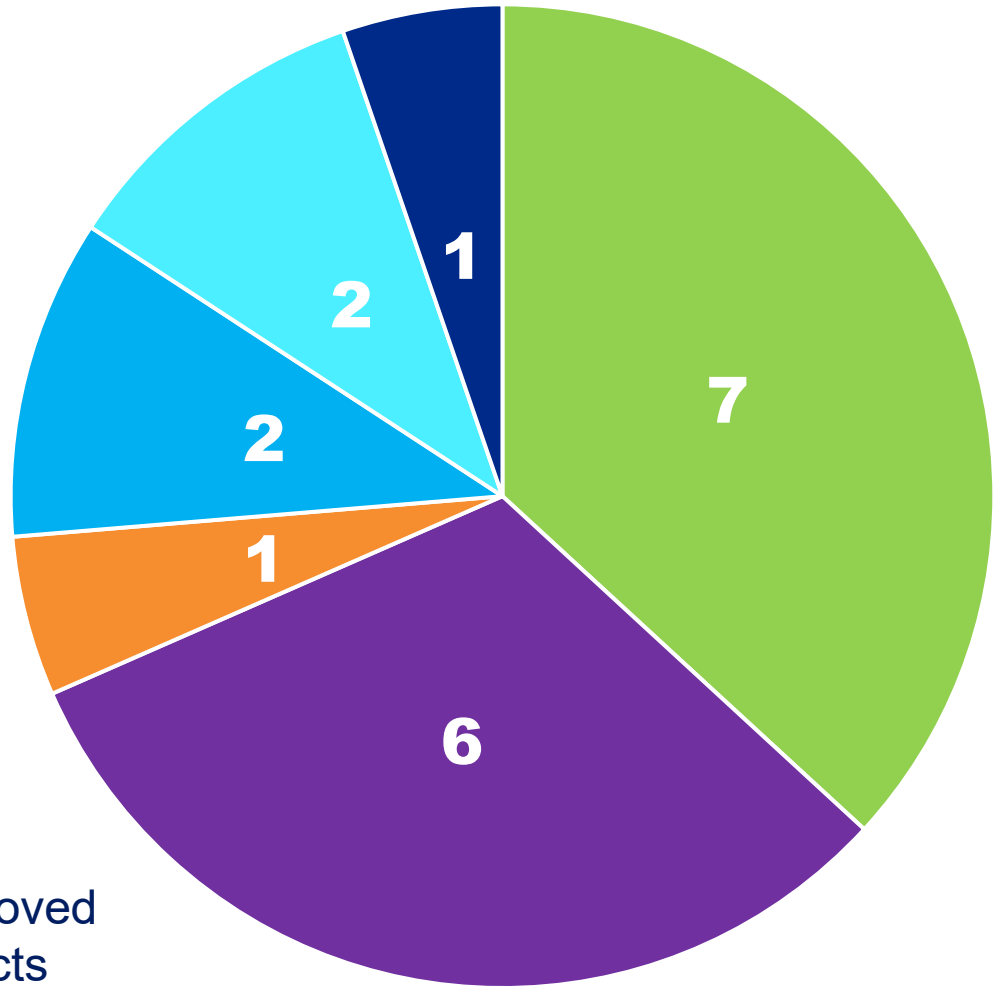


Project Description
Road diet w/ Bike Lanes and Center Turn Lane

Design Status
Concept Complete

Proposed Letting Date: June 2024

2021 APPROVED SUBMISSIONS

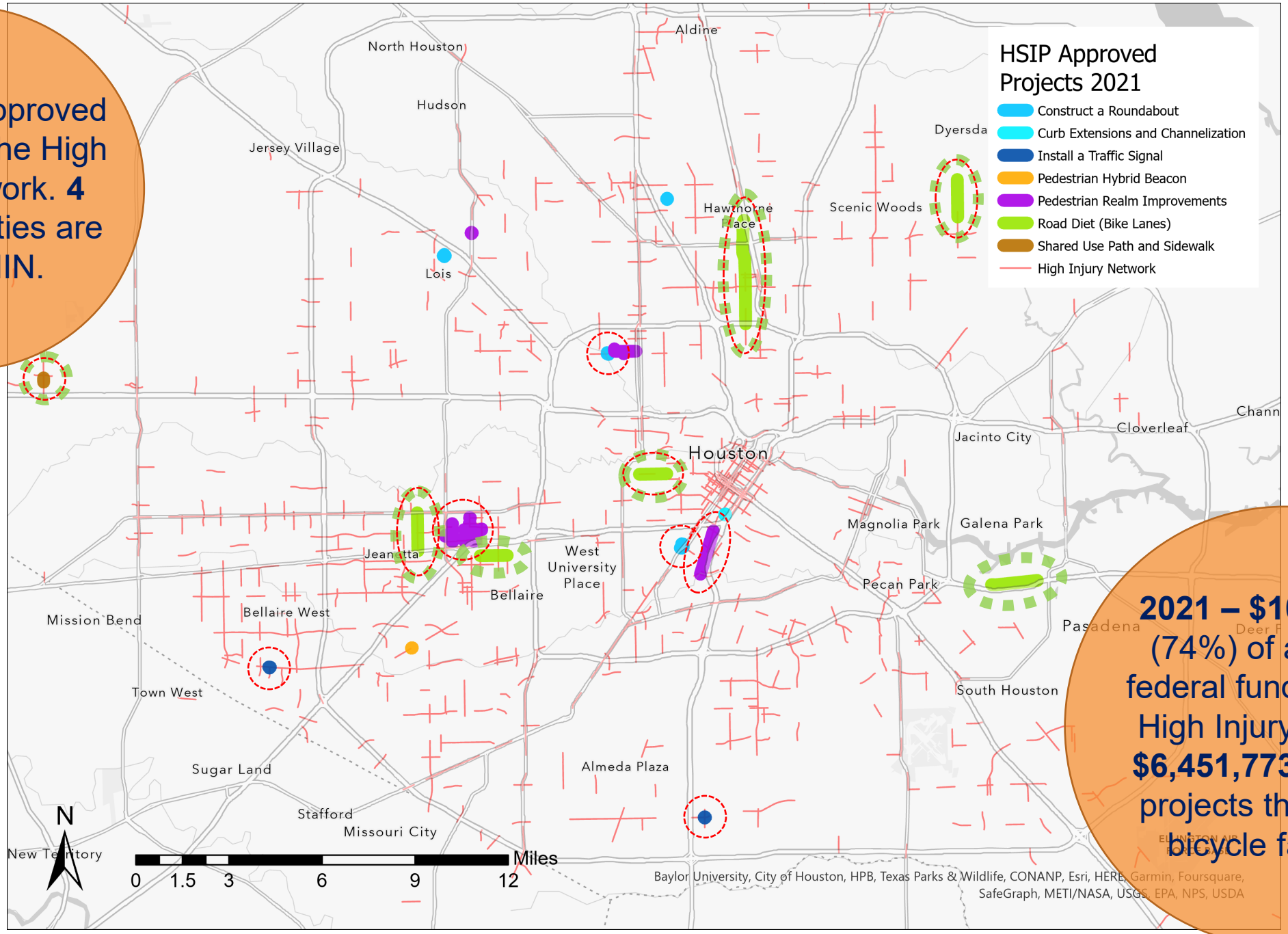


19 approved projects

Authorized Federal Funding:
$13,843,691

HOUSTON PUBLIC WORKS

2021 – 12 approved projects on the High Injury Network. **4** bicycle facilities are on the HIN.



2021 – $10,215,361 (74%) of approved federal funding on the High Injury Network. **$6,451,773** (47%) on projects that include bicycle facilities.

HOUSTON PUBLIC WORKS

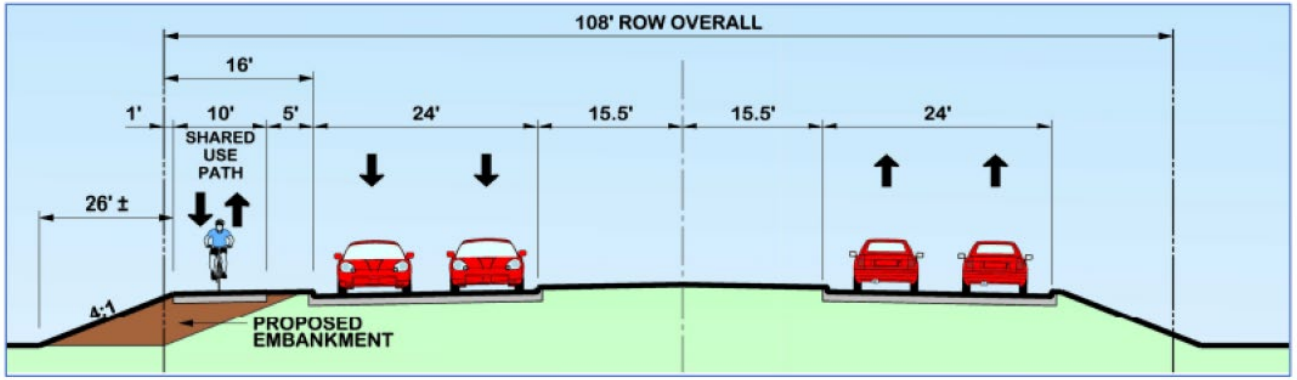
BARKER CYPRESS
610 TO SIMS BAYOU

Authorized Federal Funding
$800,894

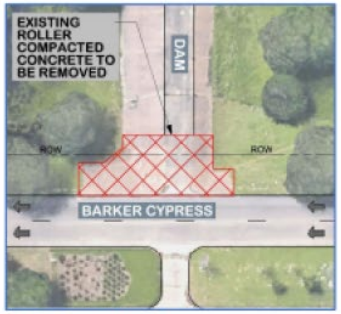


Project Description
Shared Use Path

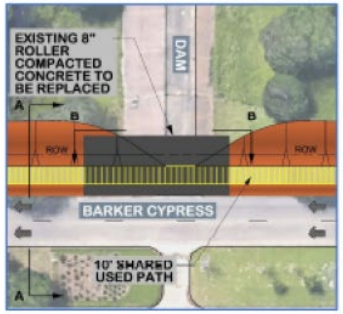
Design Status
Concept Complete



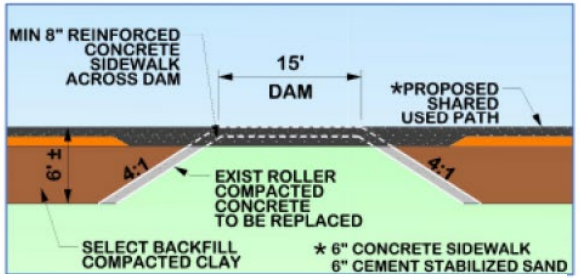
BARKER CYPRESS AT DAM CROSSING - SECTION A-A



PLAN DETAIL A
(EXISTING)



PLAN DETAIL A
(PROPOSED)

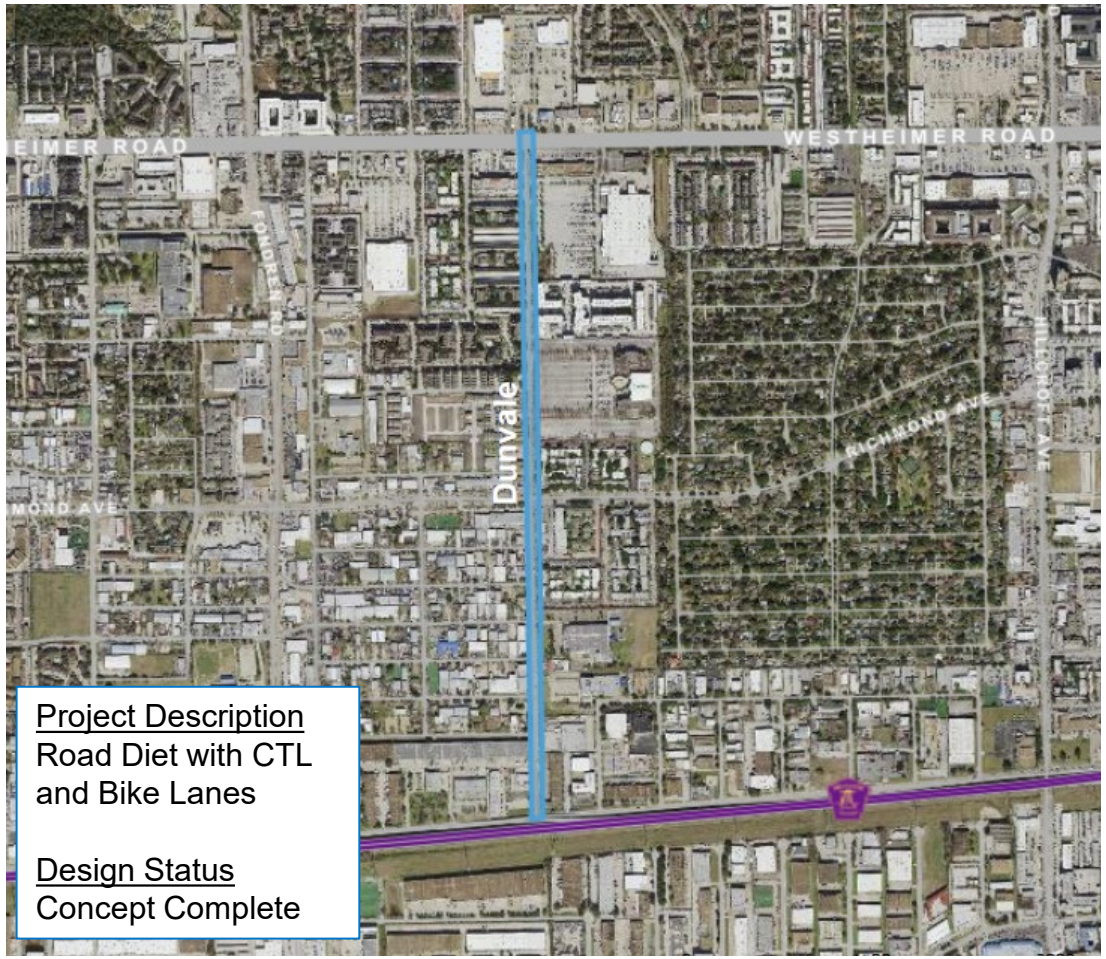


*Final design may be updated to narrow the median and limit impact on the dam.

Proposed Letting Date: July 2025

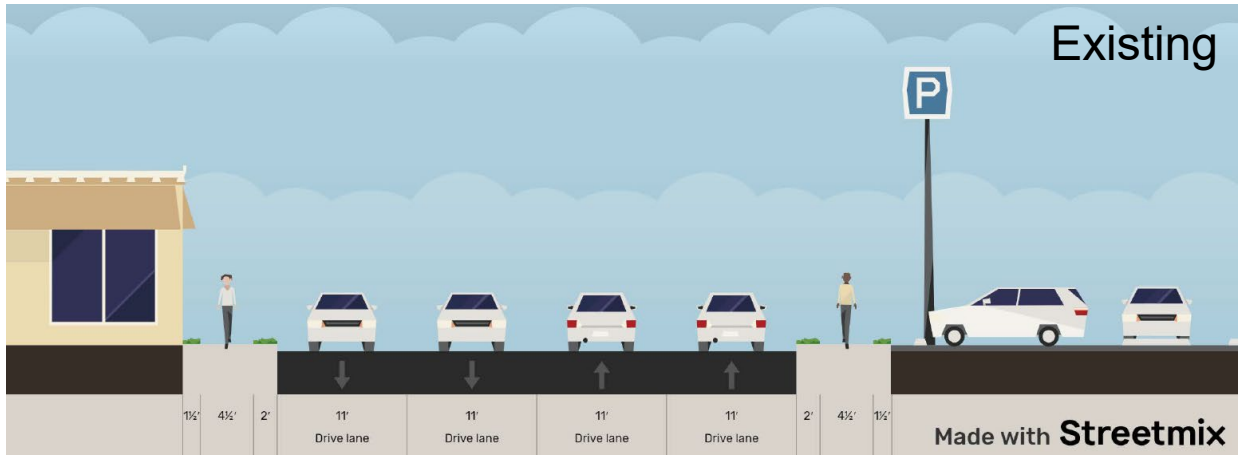
DUNVALE
WESTHEIMER TO WESTPARK

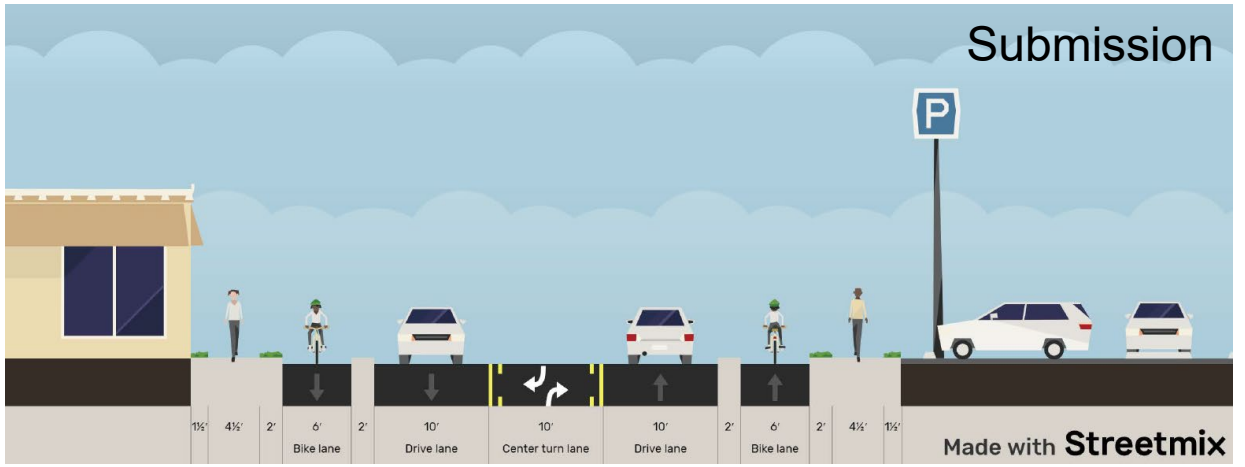
Authorized Federal Funding
$549,552



Project Description
Road Diet with CTL and Bike Lanes

Design Status
Concept Complete



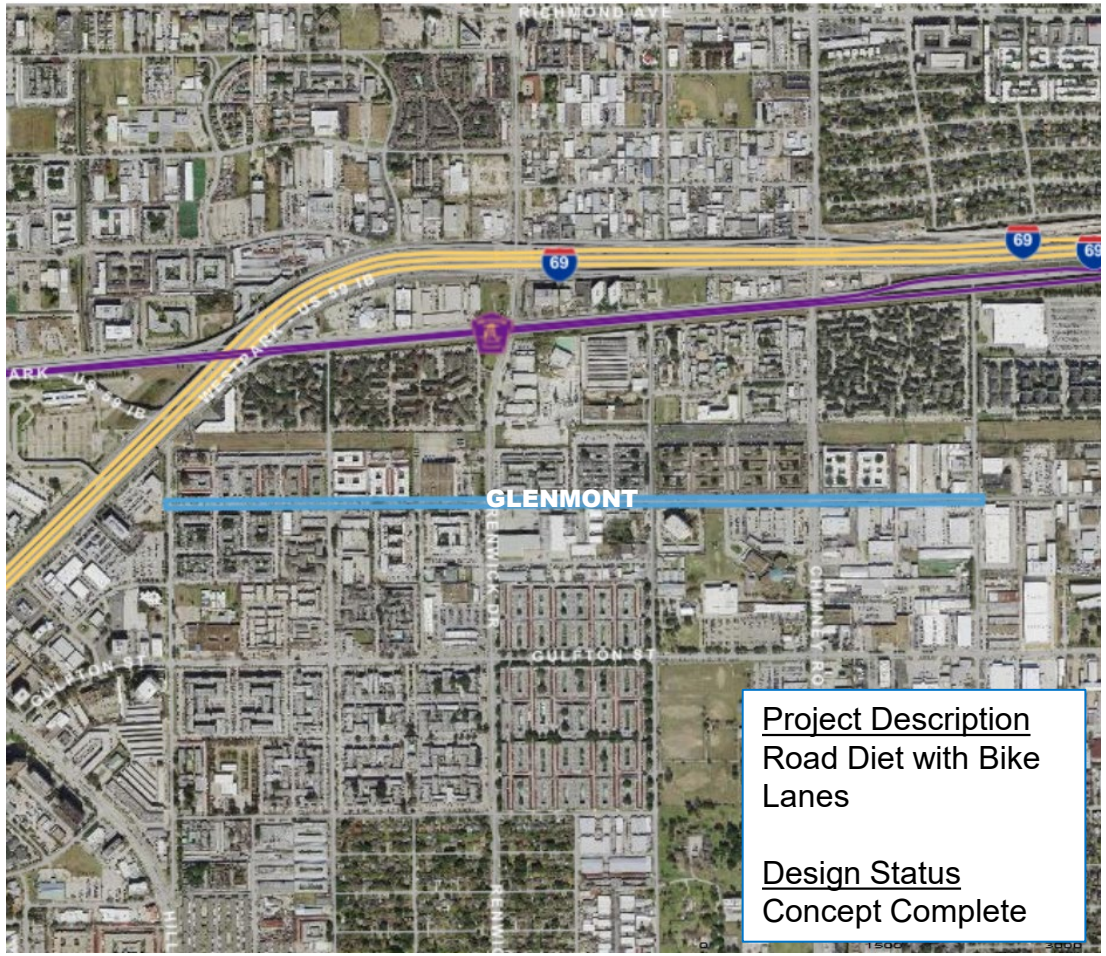


Proposed Letting Date: May 2025

HOUSTON PUBLIC WORKS

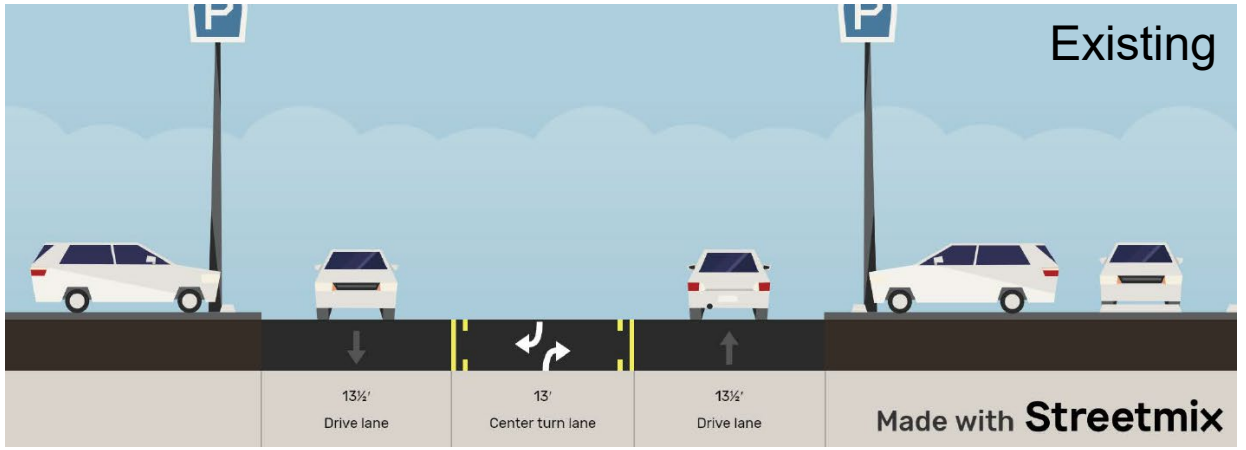
GLENMONT
WESTWARD TO ROYALTON

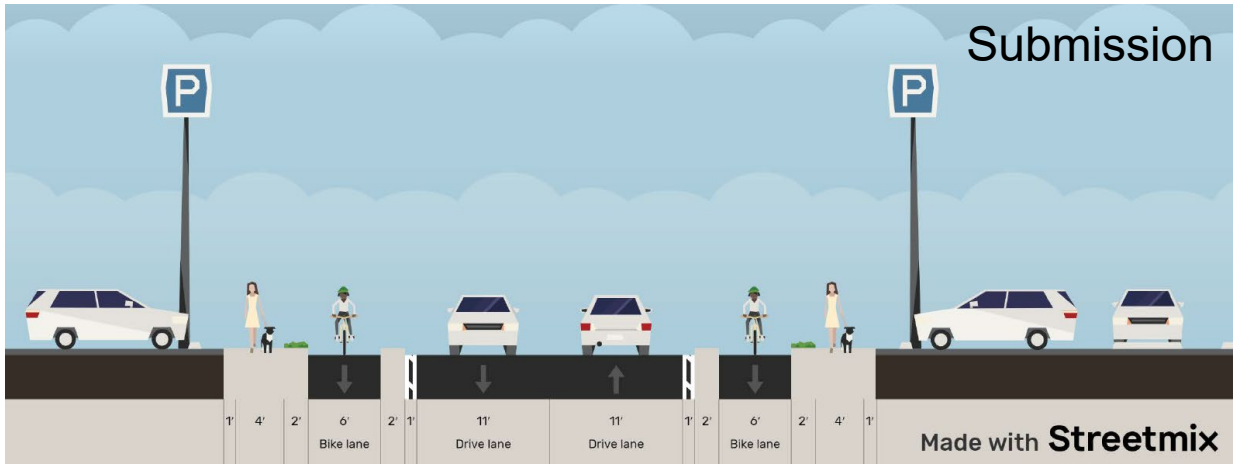
Authorized Federal Funding
$677,997



Project Description
Road Diet with Bike Lanes

Design Status
Concept Complete



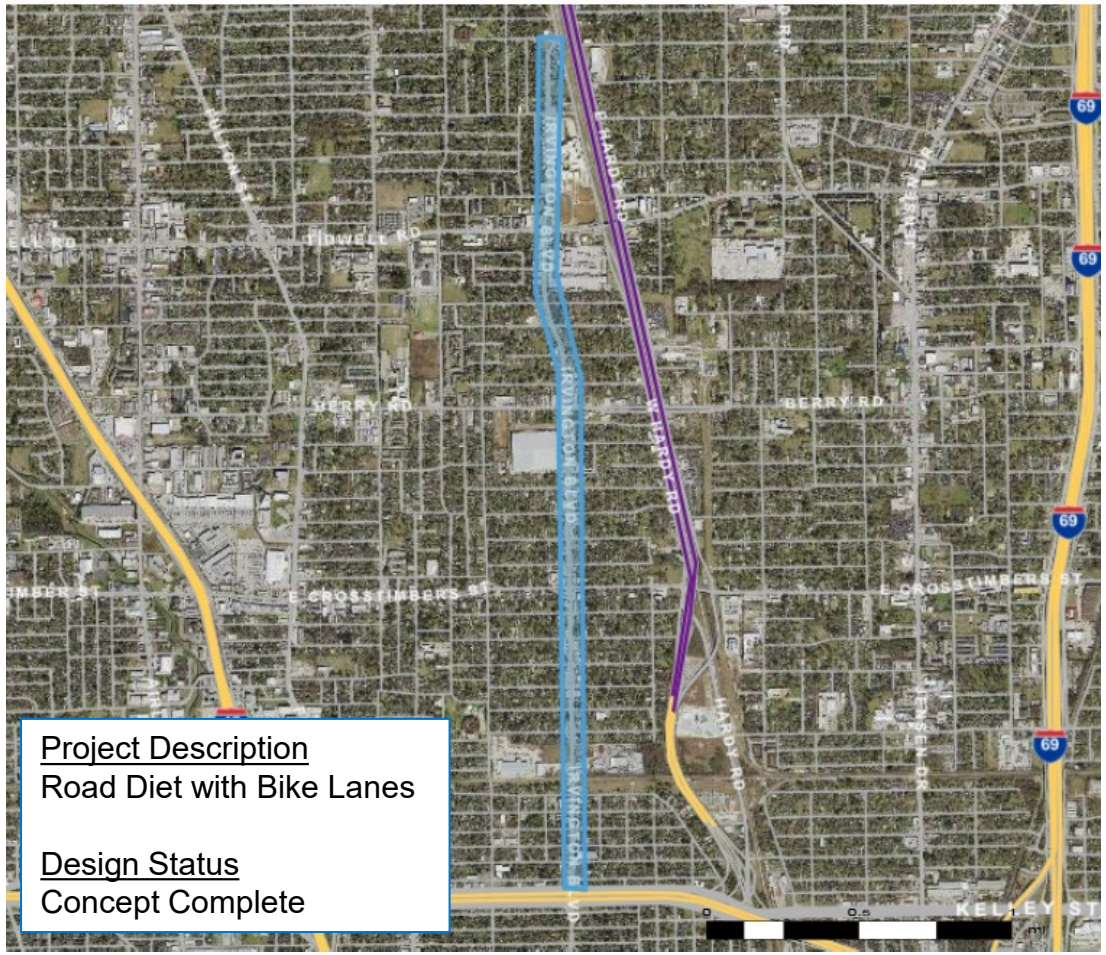


Proposed Letting Date: May 2025

HOUSTON PUBLIC WORKS

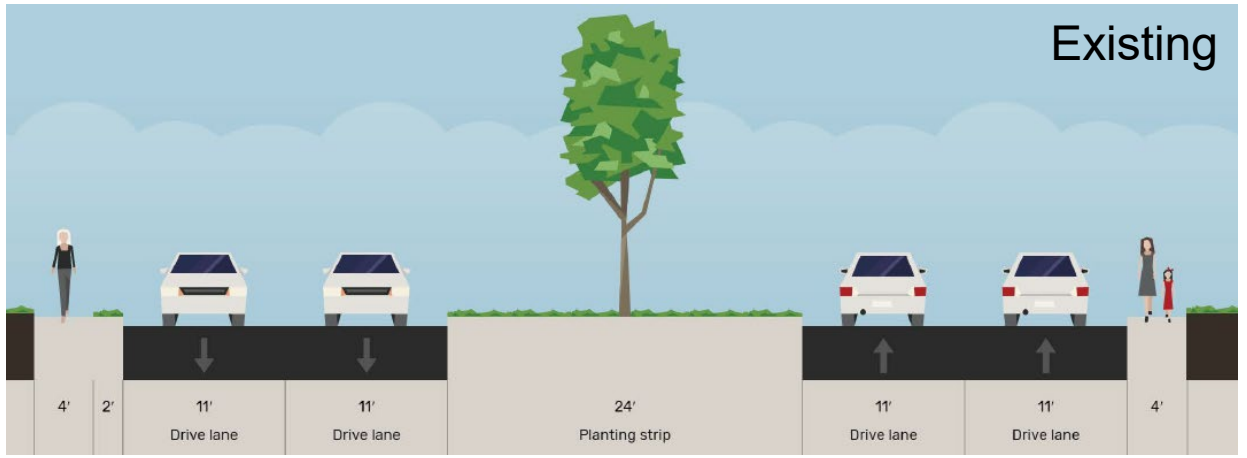
IRVINGTON
610 TO HARDY TOLL ROAD

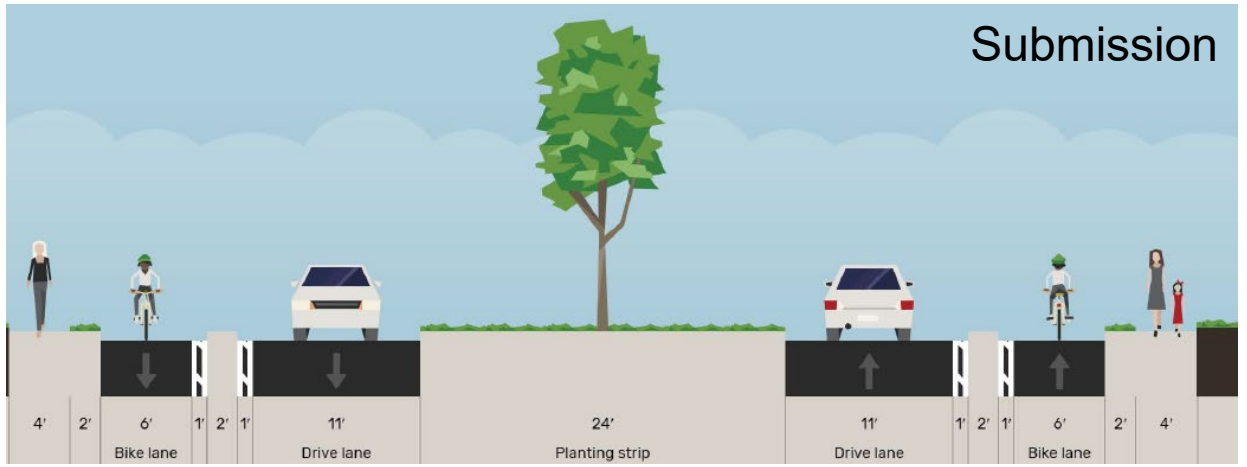
Authorized Federal Funding
$1,566,332



Project Description
Road Diet with Bike Lanes

Design Status
Concept Complete



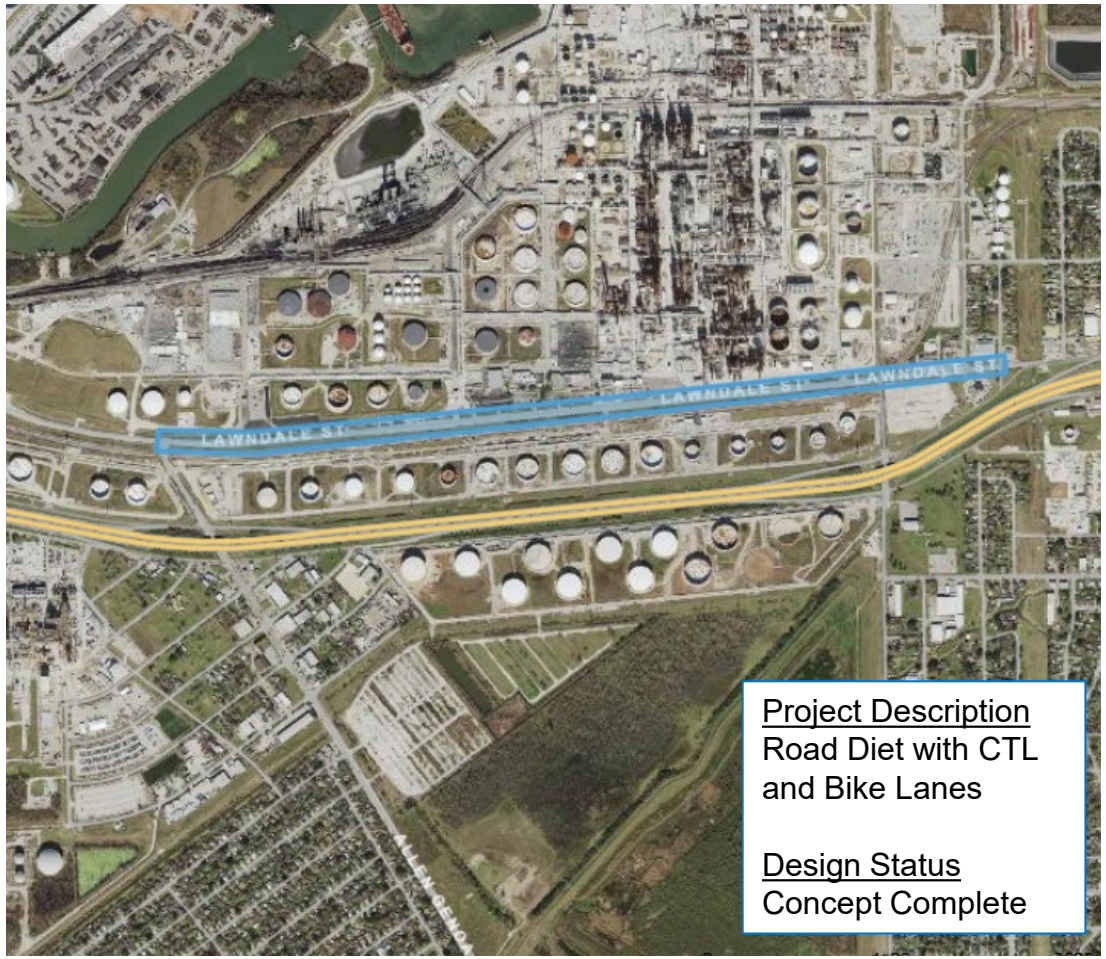


Proposed Letting Date: May 2025

HOUSTON PUBLIC WORKS

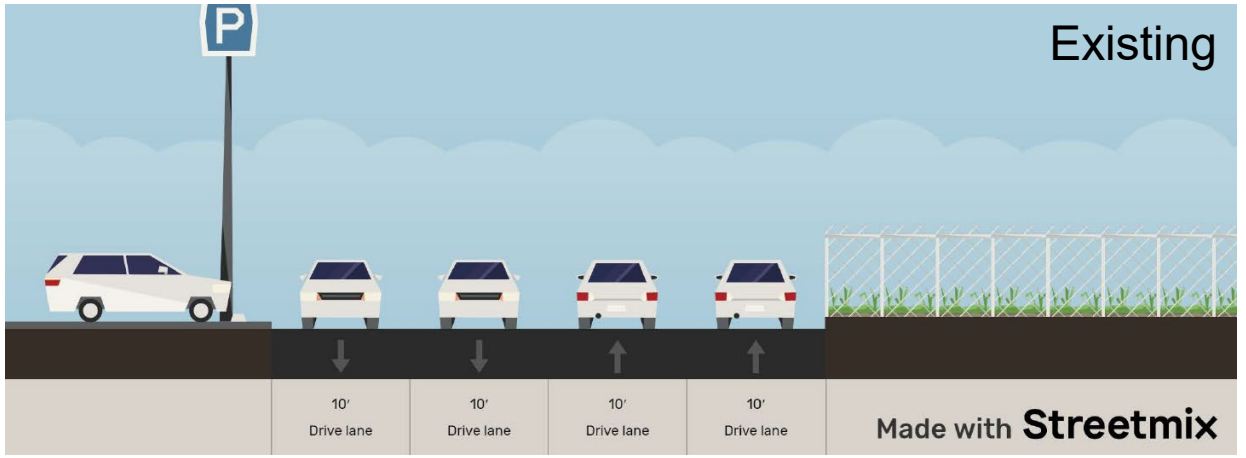
LAWNDALE
ALLEN GENOA TO GLASGOW

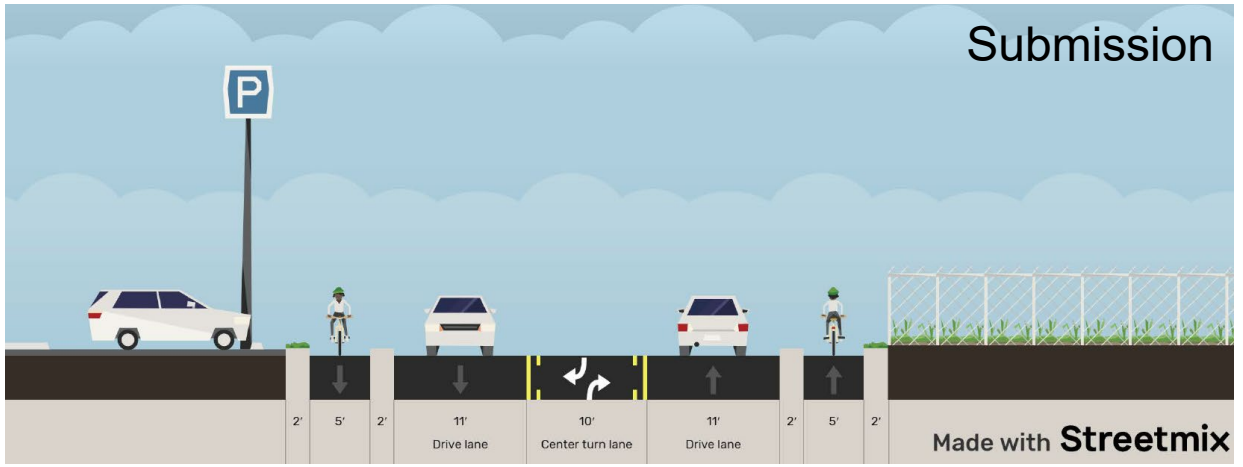
Authorized Federal Funding
$498,979



Project Description
Road Diet with CTL and Bike Lanes

Design Status
Concept Complete



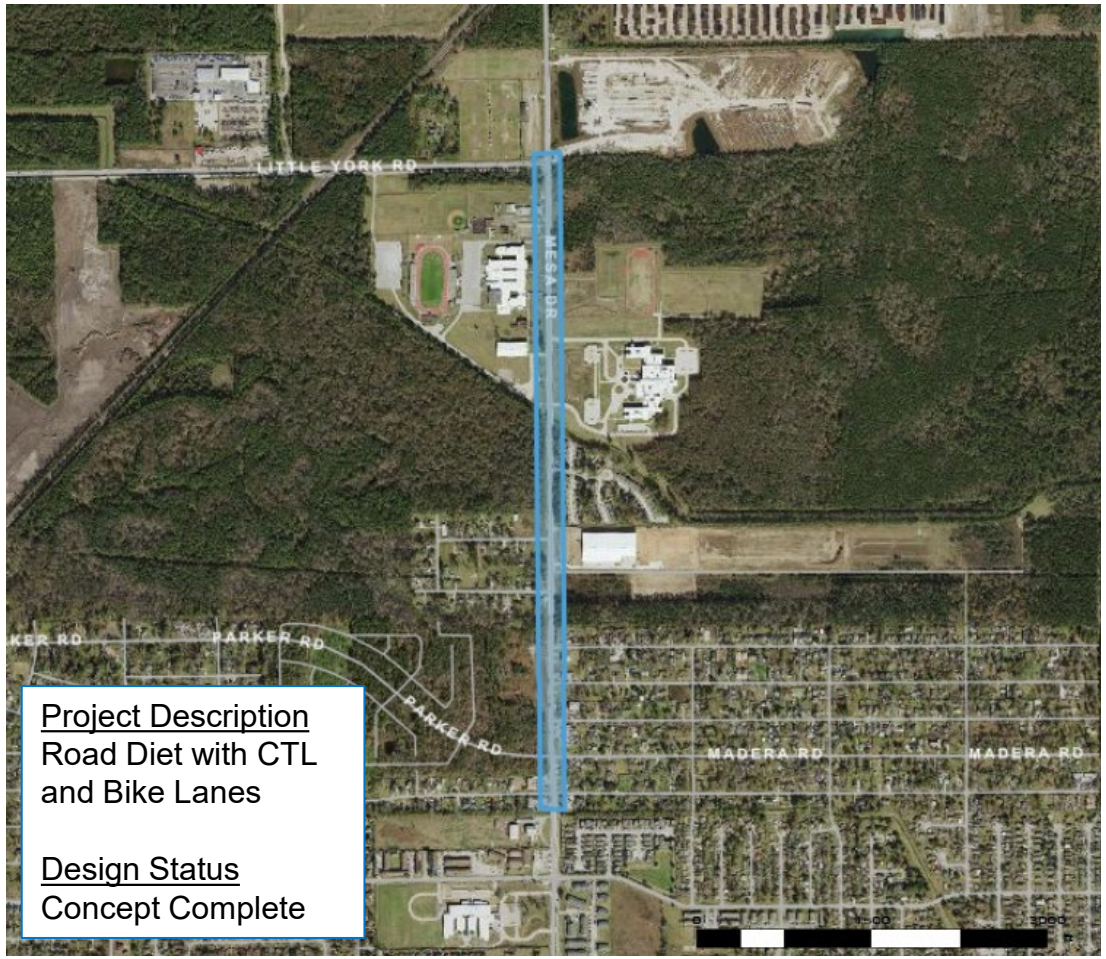


Proposed Letting Date: May 2025

HOUSTON PUBLIC WORKS

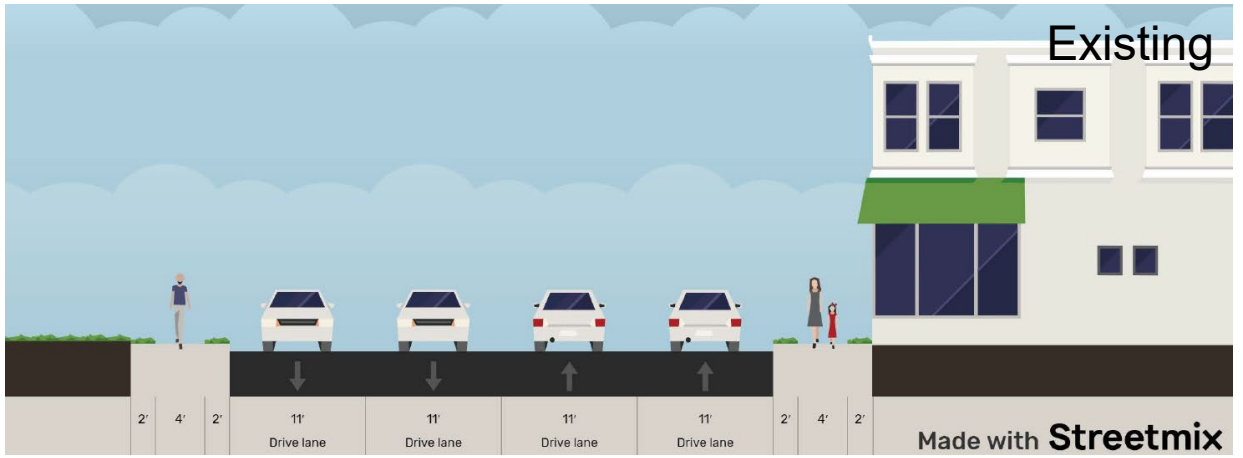
MESA
CADDO TO LITTLE YORK

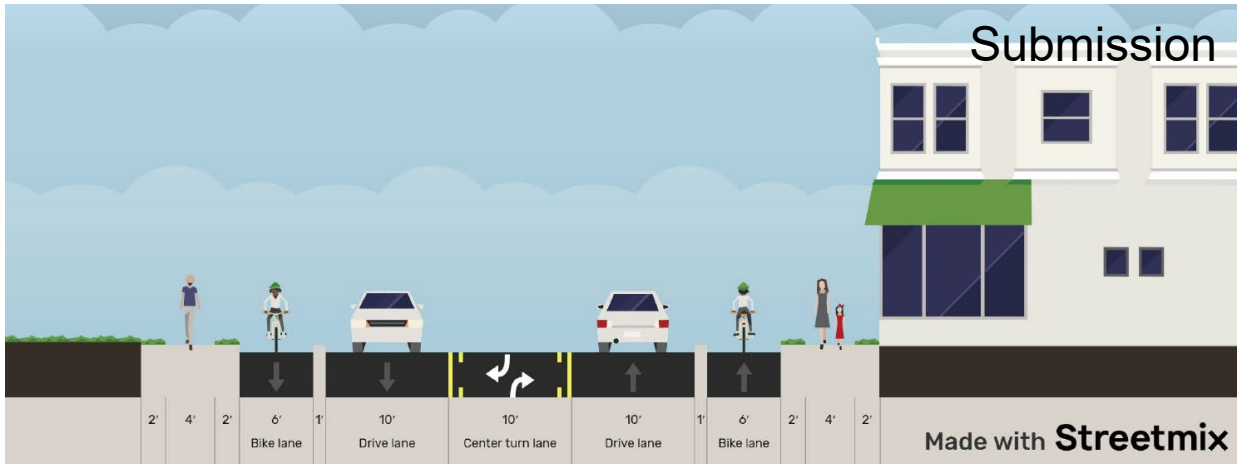
Authorized Federal Funding
$533,856



Project Description
Road Diet with CTL and Bike Lanes

Design Status
Concept Complete





Proposed Letting Date: May 2025

HOUSTON PUBLIC WORKS

NORTHLINE
PARKER TO CANINO; RITTENHOUSE

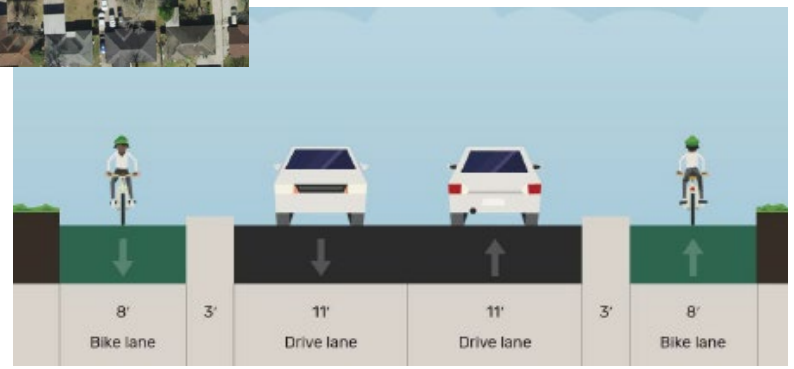
Authorized Federal Funding
$789,583



Project Description
Road Diet with Bike Lanes and Install Roundabout

Design Status
Concept Complete





Proposed Letting Date: June 2024

HOUSTON PUBLIC WORKS

W GRAY
SHEPHERD TO WAUGH

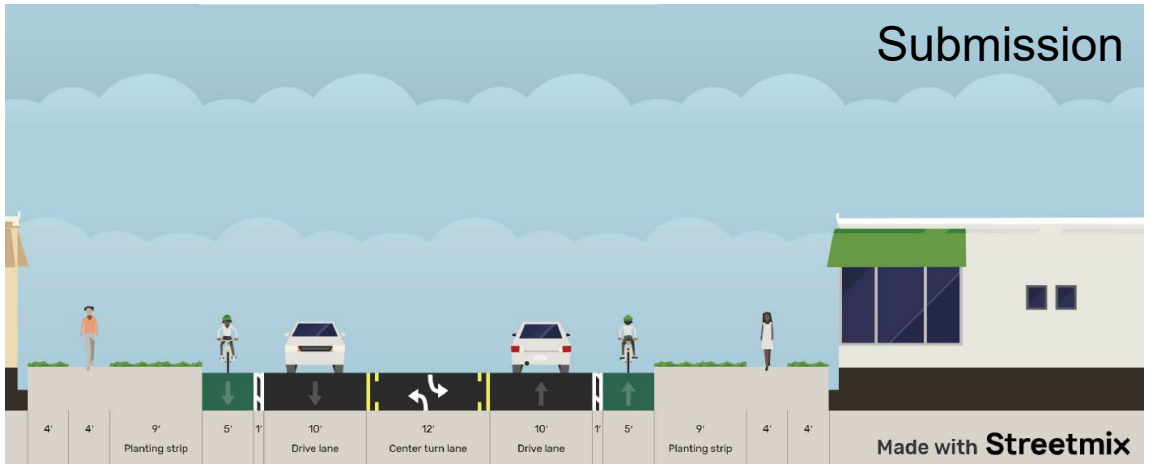
Authorized Federal Funding
$1,034,538



Project Description
Road Diet with CTL and Bike Lanes

Design Status
Concept Complete





Proposed Letting Date: May 2025

HOUSTON PUBLIC WORKS

2022 SUBMISSIONS

Selection Process

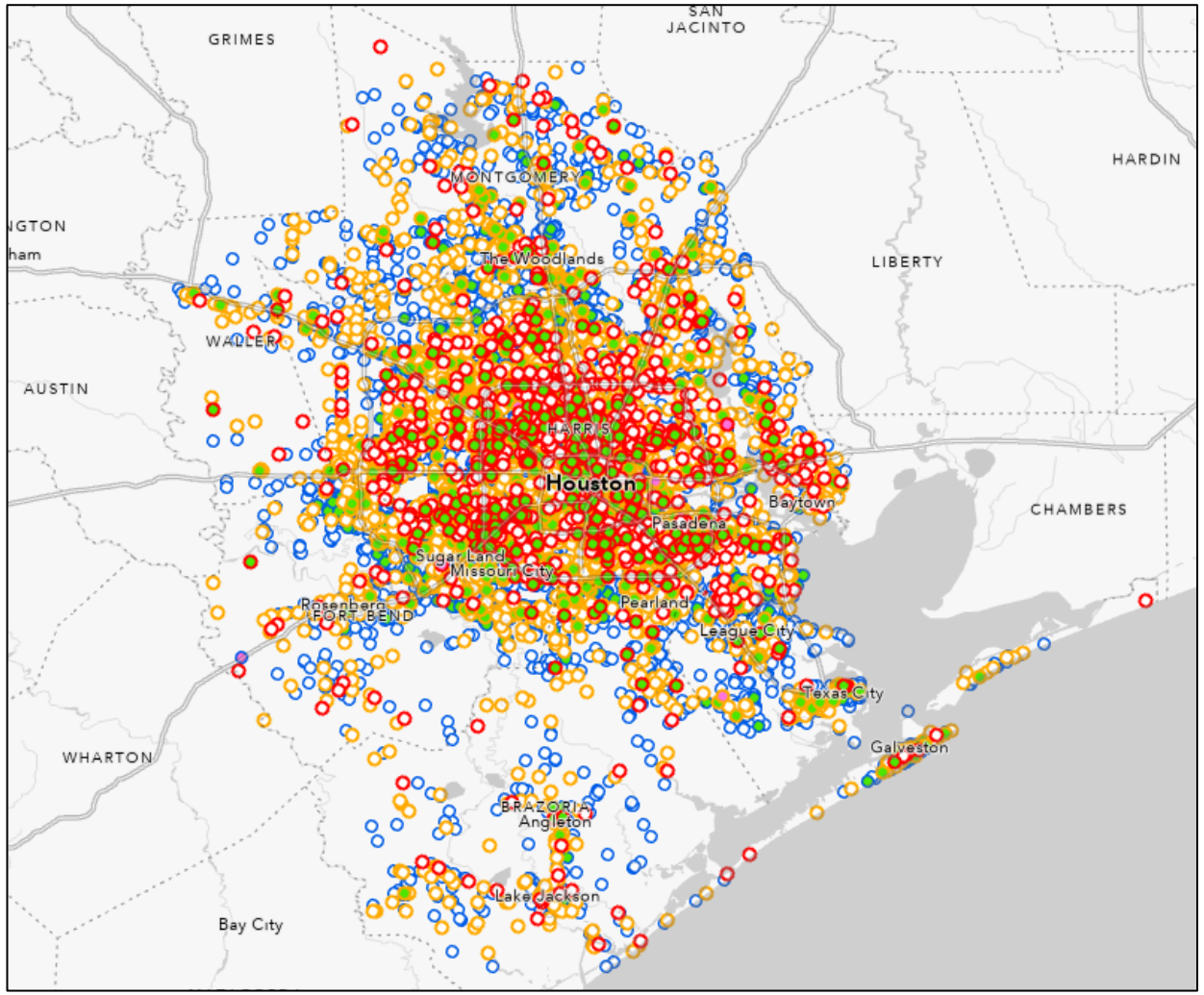
PROJECT IDENTIFICATION

407 Install Sidewalks	
Definition:	Install sidewalks where none existed previously.
Reduction Factor (%):	65%
Service Life (Years):	10
Maintenance Cost:	N/A
Preventable Crash:	First Harmful Event = 1 or 5

It's easy to find qualifying crashes.

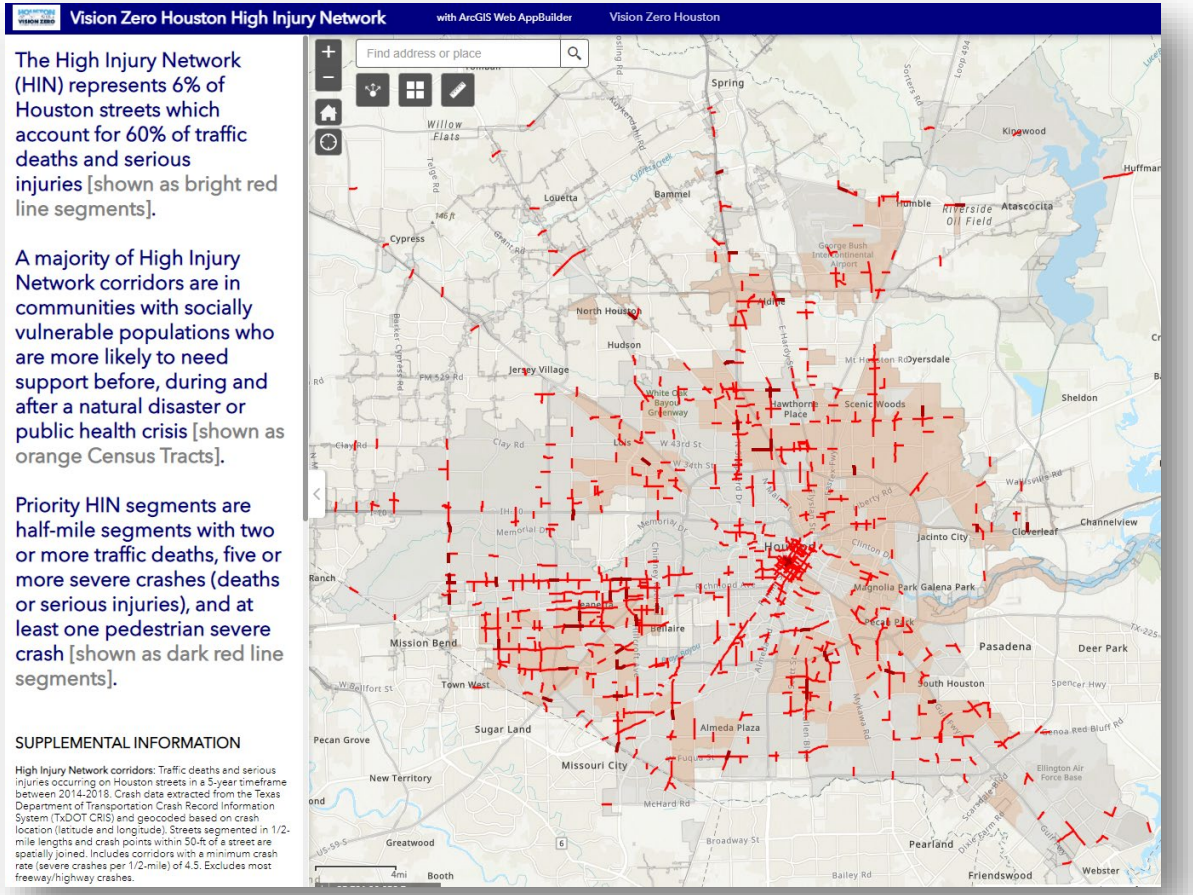
Harder to prioritize qualifying projects.

Even harder to identify projects in an equitable way.



PROJECT IDENTIFICATION

- **Data-driven Approach**
  - High Injury Network
  - Social Vulnerability Index
  - New high crash locations
- **Systemic Improvements**
- **External Submissions**



PROVEN SAFETY COUNTER-MEASURES


Bicycle Lanes


Crosswalk Visibility Enhancements


Leading Pedestrian Interval


Lighting


Medians and Pedestrian Refuge Islands in Urban and Suburban Areas


Pedestrian Hybrid Beacons


Rectangular Rapid Flashing Beacons (RRFB)


Corridor Access Management


Road Diets (Roadway Configuration)


Walkways


Reduced Left-Turn Conflict Intersections


Roundabouts

PROJECT SUBMISSION DATES

TxDOT District Submissions

12/2/2022

TxDOT Project Selection

Fall 2023*

thank you!

HOUSTON PUBLIC WORKS

HoustonPublicWorks.org | @HouPublicWorks

Agenda

1. Director’s Report
2. Chair’s Report
3. Public Comment
4. Presentation: Houston Parks Board’s Trail Safety Audit - Trent Rondot
5. Presentation: Update of HSIP Projects - Houston Public Works
6. **Open Forum**
7. **Announcements/Events**

Open Forum

Announcements and Events

Announcements

Next Meetings

- Education Subcommittee: December 21, 2:30-4:30pm
- Bicycle Advisory Committee: January 25, 2:30-4:30pm
- Infrastructure Subcommittee: February 22, 2:30-4:30pm

Thank You

PLANNING & DEVELOPMENT DEPARTMENT

832-393-6600 | www.houston.tx.gov/planning