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 17, 2021 2:30 – 4:30pm
John B. Raia Conference Room, 611 Walker St

Call-In Option: +1 936-755-1521 **Conference ID:** 674 050 784#

Microsoft Teams Meeting Link:

For meeting documents, please visit our website

Comments received via email before 2:00pm on Nov 17 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. Chair's Report
2. Public Comment
3. Bikeways Deep Dive: Westchase Management District
4. New Infrastructure Bill: What it means for bikeways
5. Highway Safety Improvement Program (HSIP) Projects in Houston
6. Discussion: Floating Bus Stops Lessons Learned
7. Open Forum
8. Announcements/Events

City of Houston
BAC Infrastructure Subcommittee

November 17, 2021

Call to Order. Chair Tom Compson called the meeting to order at 2:35pm.

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

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

1) Chair's Report. Chair Compson gave the Chair's Report:
   - President Biden signing the new infrastructure bill is exciting. This is an opportunity for BAC Members and constituent organizations to think big of potential projects that could get started with incoming funding. BAC should think of hosting a workshop for projects the BAC could prioritize and who could lead the funding process.

2) Public Comment: None

3) Bikeways Deep Dive: Westchase Management District. Irma Sanchez from Westchase Management District gave a presentation on new and upcoming bikeways projects planned for the Westchase area.

- Projects recently completed/underway:
  - CityWest/Deerwood Side Path (complete)
  - Walnut Bend roadway construction (ongoing)
  - Elmside/Woodchase Side Path (complete)
  - Trails along CenterPoint utility corridors: identified parcels of land adjacent to trails to add bicycle amenities
- Trail activation: the district often pairs bikeways and trails with activities to encourage people to use them

4) New Infrastructure Bill: What it means for bikeways. Joe Cutrufo form BikeHouston gave a presentation on the newly signed Federal Infrastructure Bill and how the increase in funding can impact the bike projects at state and local levels
   - $645 billion is allotted for transportation
     - $300 billion extends the existing transportation funding bill
     - $345 billion is new money (transportation alternatives is 1%)
   - Transportation Alternatives (TAP) funding
     - Funding directly available for biking and pedestrian projects
     - TAP is increased by 60% and will continue to grow
     - Limits on when and how much a state can transfer
   - Other
     - Introduces vulnerable road user safety assessments in order to receive funding
     - Proportional allotment for vulnerable road users (if >15% of roadway fatalities are vulnerable road users, >15% of funds must be spent on vulnerable road user safety
     - Improves the New Car Assessment Program to include rating on ability to avoid crashes with vulnerable road users

5) Highway Safety Improvement Program (HSIP) Projects in Houston. Ian Hlavacek from Houston Public Works gave a presentation on projects funded in 2020 by the Highway Safety Improvement Plan
   - 14 Projects were funded
     - 4 traffic signal installations, 1 traffic signal improvement
     - 3 roundabouts
     - 3 channelizations
     - 2 pedestrian hybrid beacons
     - 1 lane conversion (4-lane to 3-lane w/ bike lane)
   - 2 projects were denied. HPW staff is working with the community to improve applications for next funding cycle
   - Current staff draft list for next funding cycle has 39 locations

6) Floating Bus Stops: Lessons Learned. The BAC held a discussion on the composition of floating bus stops and improvements made with every iteration of construction.
   - Concerns around early iterations of construction of floating bus stops were about safety, such as narrow cuts around bus stops, need for more lighting and reflective surfaces
   - METRO provided a design for retrofitting existing bike lanes
   - James Llamas from Traffic Engineers, Inc. gave examples of best practices from newer designs on recently finished stops along Harris County Precinct 1 bikeways.

7) Open Forum.

8) Announcements and Events:
   - Events:
     - 11/17: Inwood Recreation Plan Virtual Community Meeting, 6pm
     - 11/18: Safe Routes to School Webinar, 3pm
   - Announcements:
     - TIRZ 15 is conducting a mobility plan for East Downtown. A virtual tour and mobility survey is available until 11/24.
     - The Kinder Foundation awarded a $2+ million grant to the Willow Waterhole Greenspace Conservancy for completing bikeway projects.
   - Next BAC meetings
     - 12/15: Education Subcommittee
     - 1/26: Bicycle Advisory Committee
     - 2/23: Infrastructure Subcommitee

Adjournment. Meeting adjourned at 4:48pm.

Bicycle Advisory Committee

Infrastructure Subcommittee

November 17, 2021

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

Roll Call

Tom Compson, Chair

Alejandro Perez, Vice Chair

Tracy Alexander

Zion Escobar

Adam J. Williams

Sandra Rodriguez

Com. Kristine Anthony-Miller

Beth Martin

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Microsoft Teams Meeting Instructions

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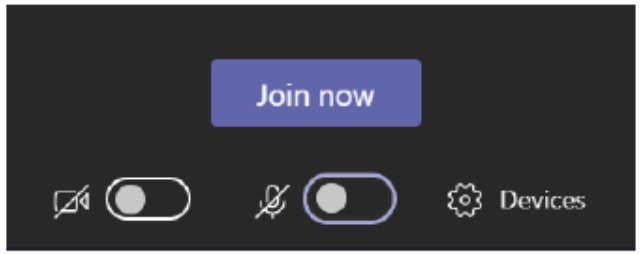

Please Remember to Stay on Mute, unless Identified by the Chair to speak

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





Agenda

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2. Public Comment
3. Bikeways Deep Dive: Westchase Management District
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The public is invited to speak for up to two (2) minutes each at the beginning of the meeting.

Chair's Report

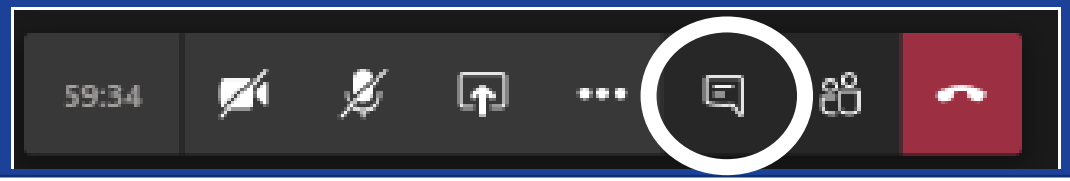
Tom Compson
Chair, BAC

Public Comment

Send **written comments** to bac@houstontx.gov by 2:00pm the day of a BAC meeting. Comments will be read aloud by staff during the meeting.

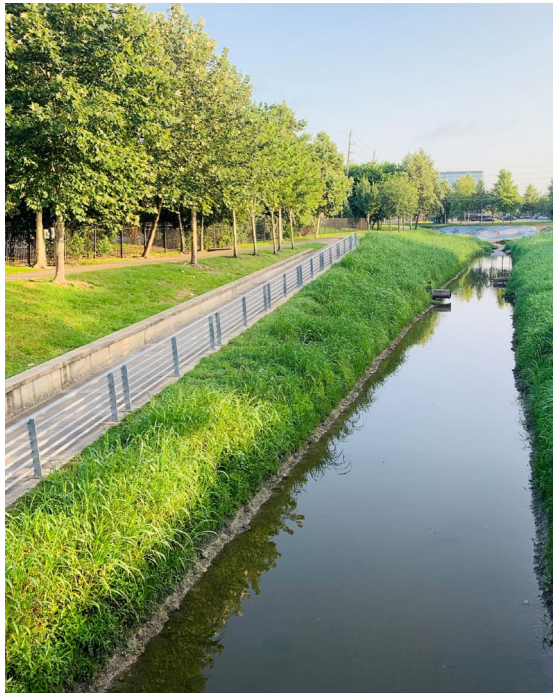
Comment by **Phone:** to join dial 936-755-1521; ID 919 490 547#. Press ***6** to unmute when called upon by the Chair

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

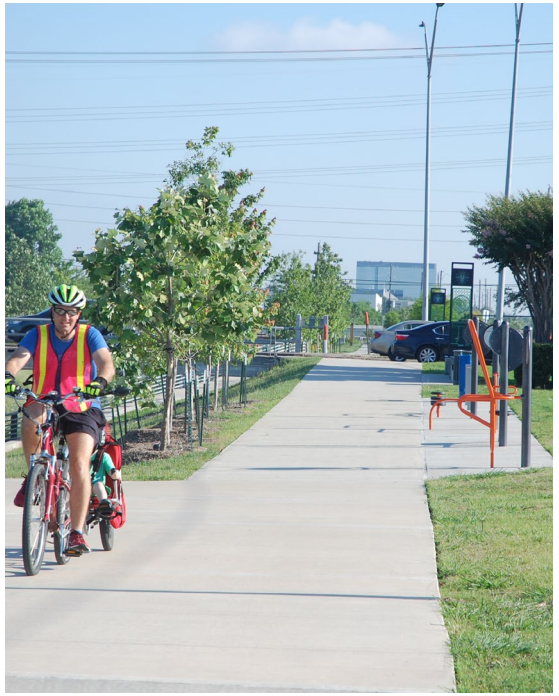


Westchase District Bikeways

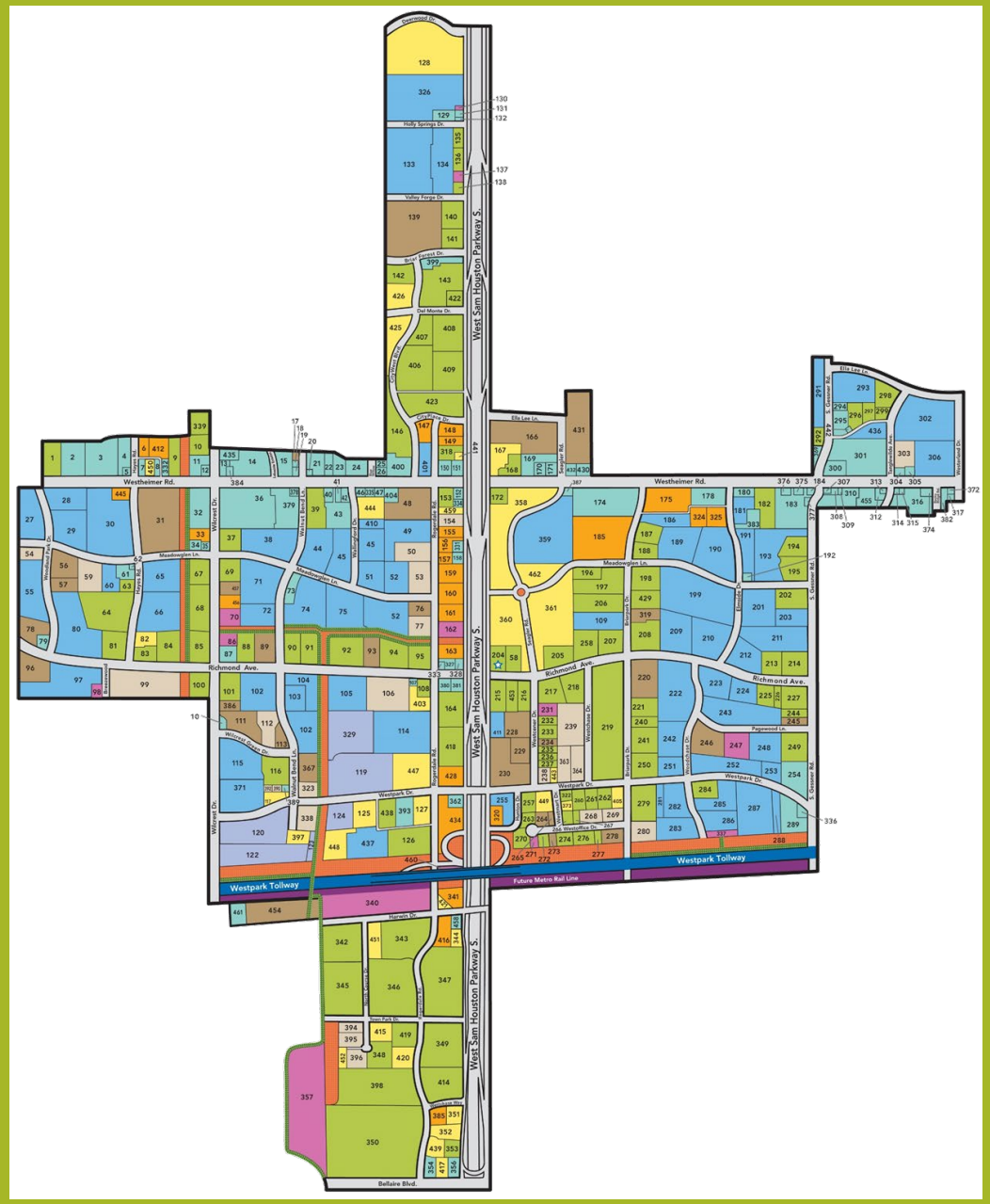
Irma Sanchez
Westchase Management District







WESTCHASE DISTRICT TRAILS & BIKEWAYS



Westchase District

- Municipal Management District, created by the State of Texas in 1995
- 4.2-sq mile area, centered around the Westheimer/BW8 area
- Commercial area made up of office buildings, multi-family communities and retail centers
- Development of the Westchase area started in the 1970's
- Working to transform a suburban-type environment into an urban, inter-connected environment.

RECOMMENDATIONS - OVERVIEW

The Westchase District Pedestrian and Bicycle Plan, in coordination with the City of Houston Bicycle Master Plan, will be the primary resource for improving Westchase District's pedestrian and bicycle circulation network to achieve its objectives as stated in the Goals, Policies and Actions section. The improvements will provide a network of bicycle and pedestrian paths throughout Westchase District.

The Long Term Vision for Ped/Bike Improvements are depicted in Figure ES-3, Pedestrian/Bicycle Plan: Long Term Vision.

Recommendations are detailed as follows:

1. **Sidewalks**
2. **Crossings**
3. **Intersections**
4. **Bikeways**



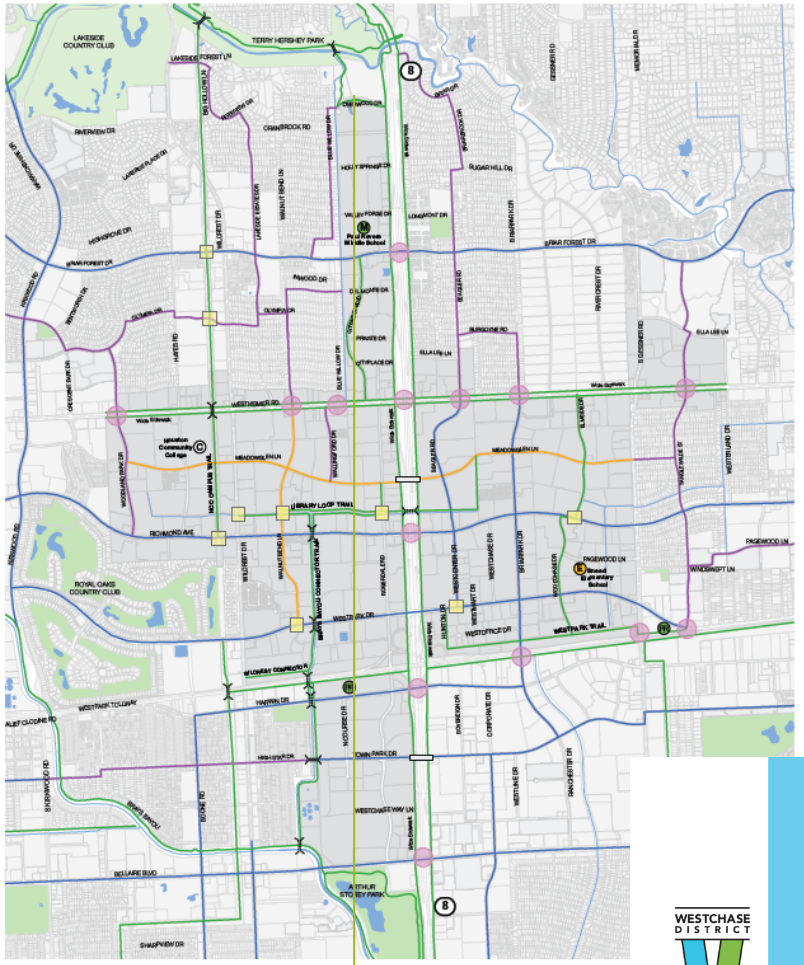
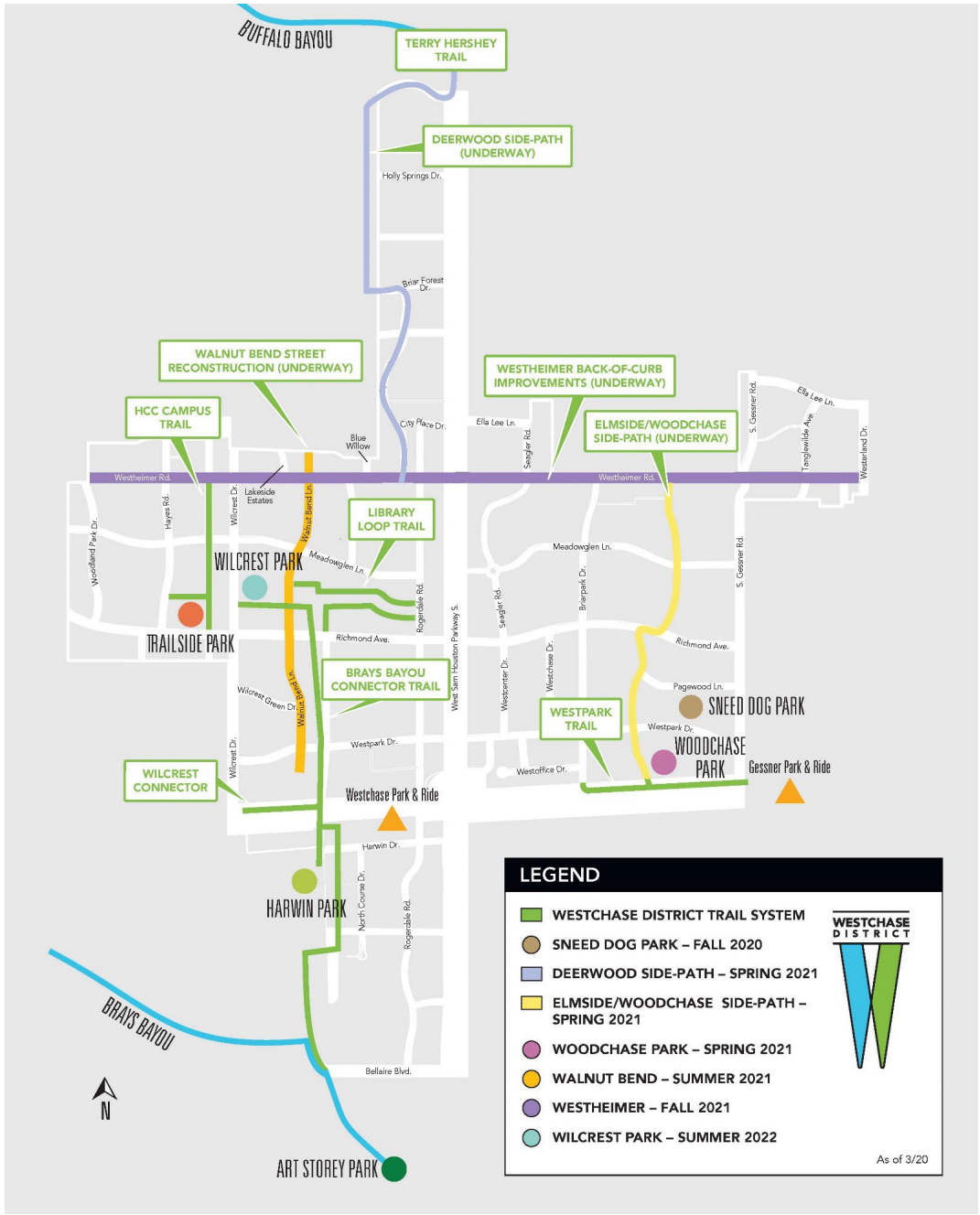


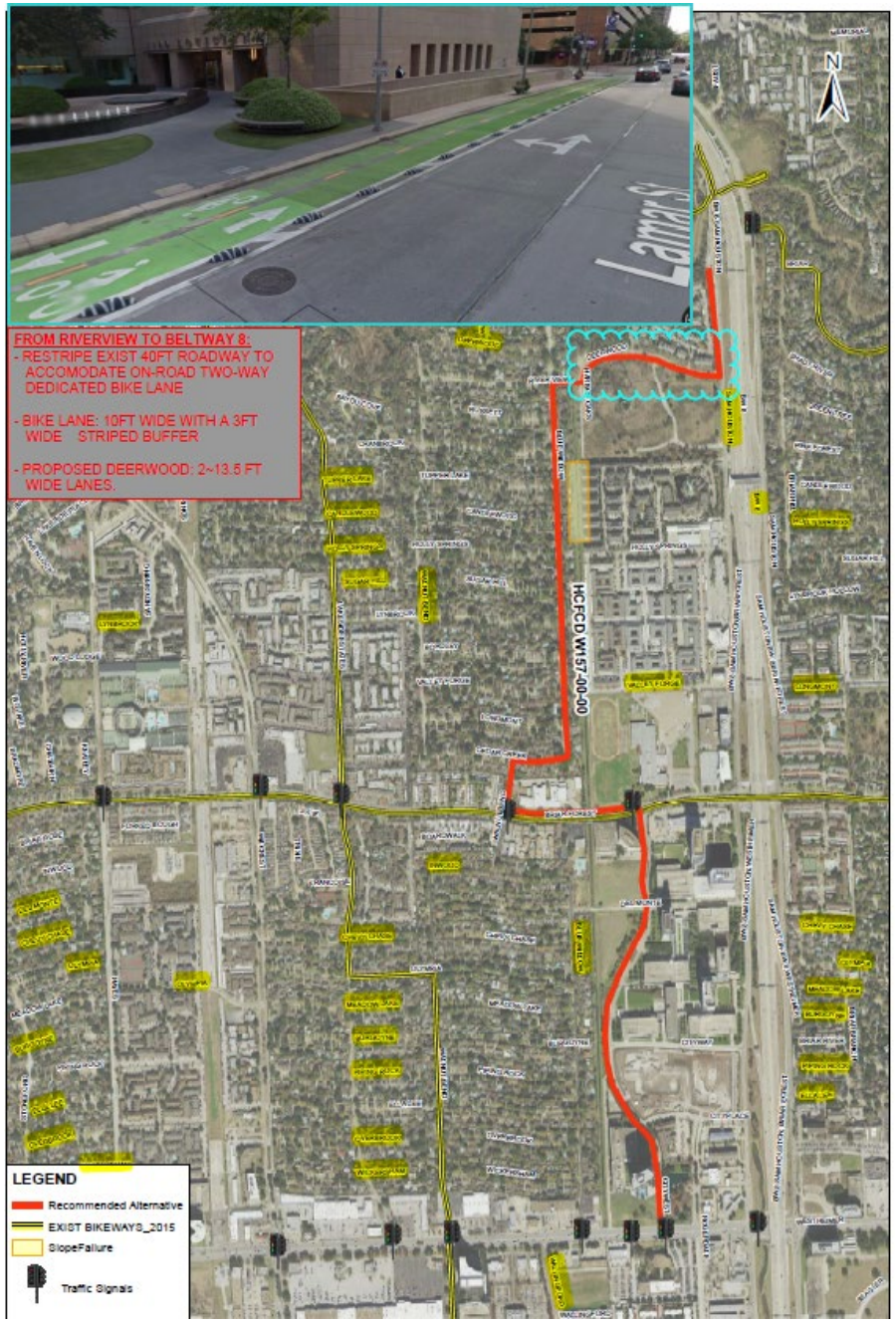
Figure ES-3: Pedestrian/Bicycle Plan: Long Term Vision



Houston-Galveston Area Council


BUFFALO BAYOU
TERRY HERSHEY TRAIL
DEERWOOD SIDE-PATH (UNDERWAY)
Holly Springs Dr.
Briar Forest Dr.
WALNUT BEND STREET RECONSTRUCTION (UNDERWAY)
WESTHEIMER BACK-OF-CURB IMPROVEMENTS (UNDERWAY)
HCC CAMPUS TRAIL
ELMSIDE/WOODCHASE SIDE-PATH (UNDERWAY)
City Place Dr.
Ella Lee Ln.
Blue Willow
Westheimer Rd.
Lakeside Estates
Hayes Rd.
Wilcrest Dr.
Walnut Bend Ln.
Saegler Rd.
S. Gessner Rd.
Tanglewilde Ave
Westerland Dr.
LIBRARY LOOP TRAIL
WILCREST PARK
Meadowglen Ln.
Woodland Park Dr.
Rogerdale Rd.
Briarpark Dr.
TRAILSIDE PARK
Richmond Ave.
BRAYS BAYOU CONNECTOR TRAIL
West Sam Houston Parkway S.
Westcenter Dr.
Westchase Dr.
Pagewood Ln.
WESTPARK TRAIL
SNEED DOG PARK
Wilcrest Green Dr.
Westpark Dr.
WOODCHASE PARK
Gessner Park & Ride
Westoffice Dr.
WILCREST CONNECTOR
Westchase Park & Ride
Harwin Dr.
HARWIN PARK
North Course Dr.
BRAYS BAYOU
Bellaire Blvd.
N
ART STOREY PARK
LEGEND
WESTCHASE DISTRICT TRAIL SYSTEM
SNEED DOG PARK – FALL 2020
DEERWOOD SIDE-PATH – SPRING 2021
ELMSIDE/WOODCHASE SIDE-PATH – SPRING 2021
WOODCHASE PARK – SPRING 2021
WALNUT BEND – SUMMER 2021
WESTHEIMER – FALL 2021
WILCREST PARK – SUMMER 2022
WESTCHASE DISTRICT
As of 3/20

CityWest/Deerwood Side Path









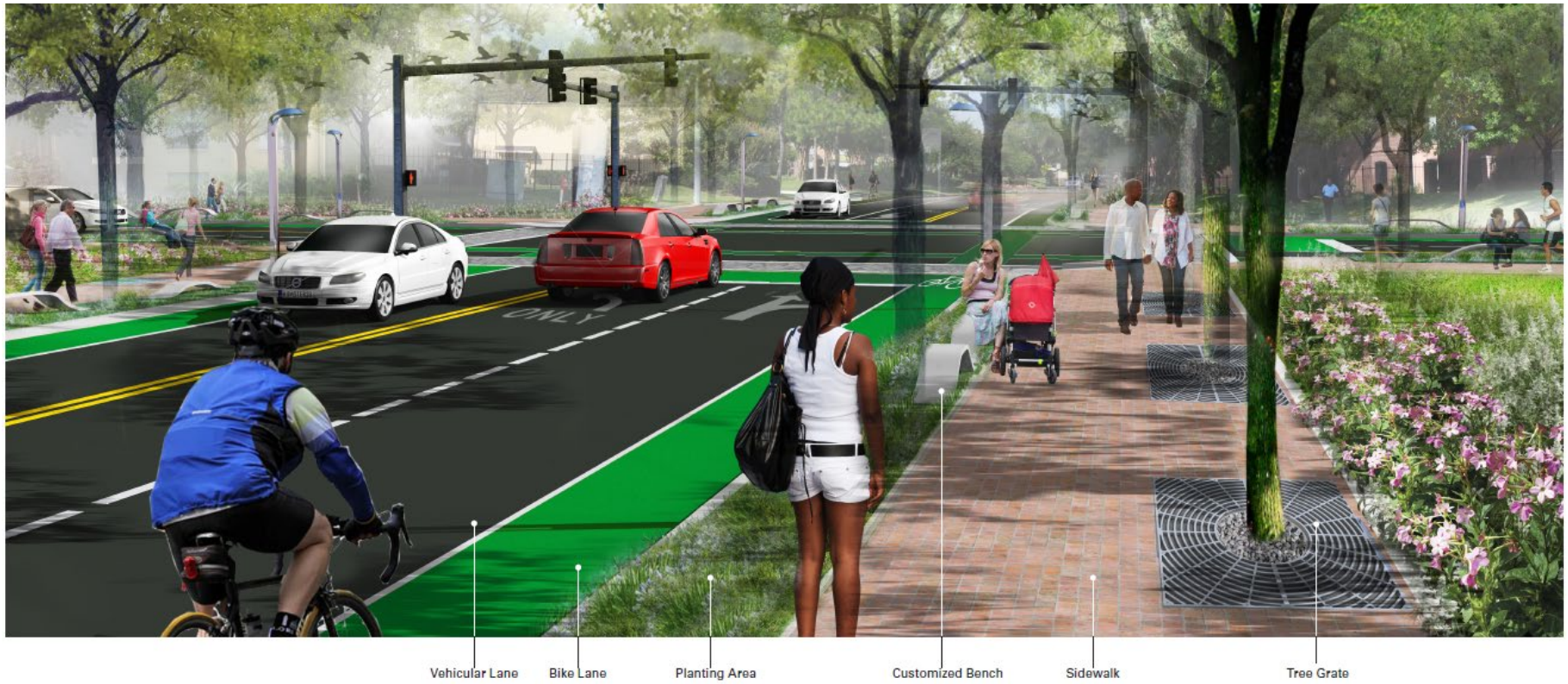
DEERWOOD BIKE LANE







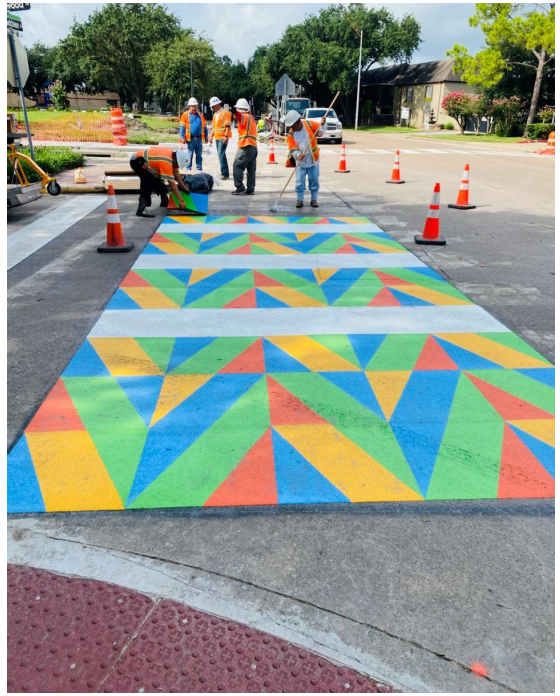
CITYWEST/DEERWOOD SIDE PATH



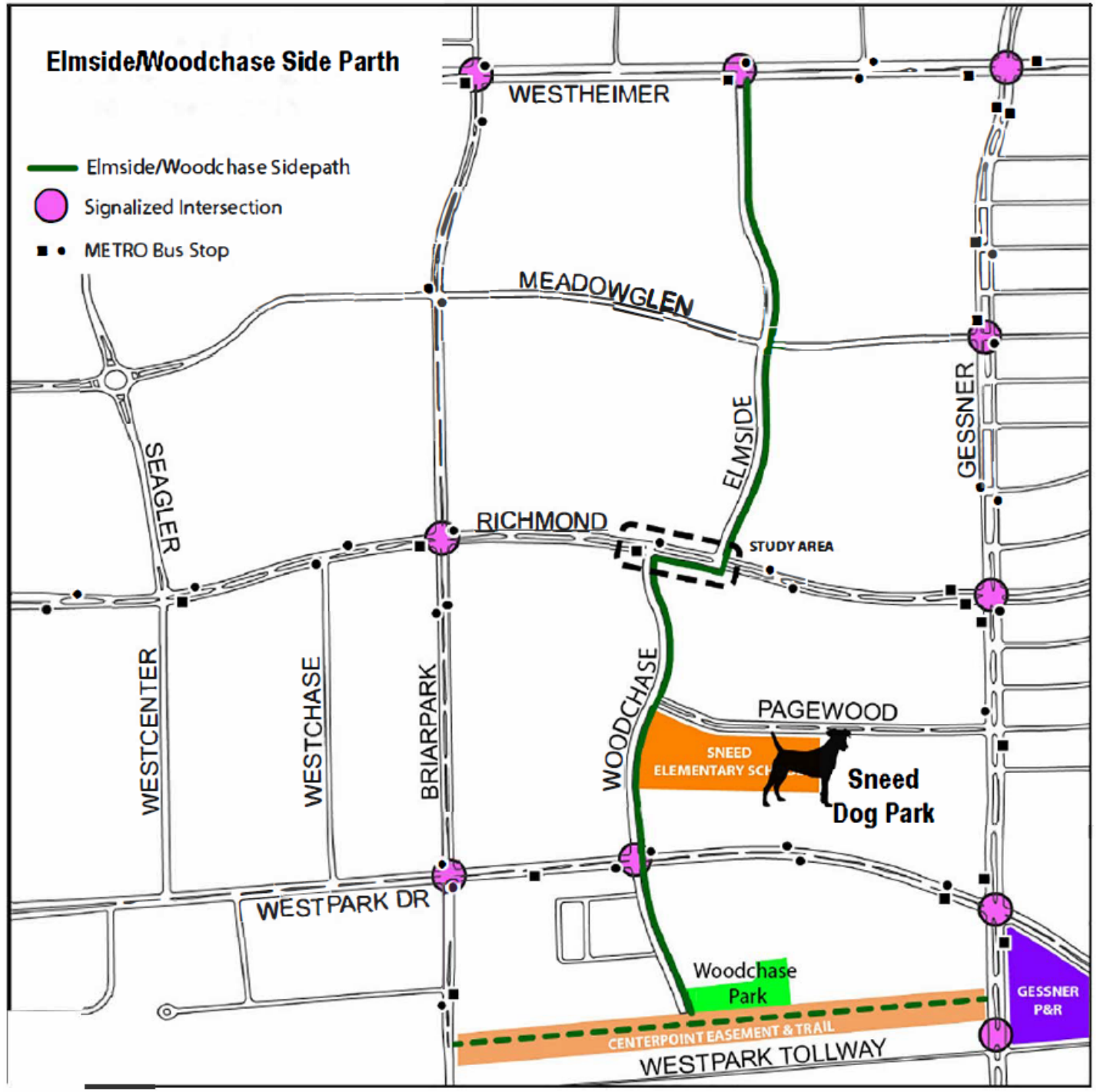
WALNUT BEND RECONSTRUCTION







ELMSIDE/WOODCHASE SIDE PATH


Elmside/Woodchase Side Parth
Elmside/Woodchase Sidepath
Signalized Intersection
METRO Bus Stop
WESTHEIMER
MEADOWGLEN
SEAGLER
ELMSIDE
GESSNER
RICHMOND
STUDY AREA
WESTCENTER
WESTCHASE
BRIARPARK
WOODCHASE
PAGEWOOD
SNEED
ELEMENTARY SCH
Sneed
Dog Park
WESTPARK DR
Woodchase
Park
CENTERPOINT EASEMENT & TRAIL
GESSNER
P&R
WESTPARK TOLLWAY







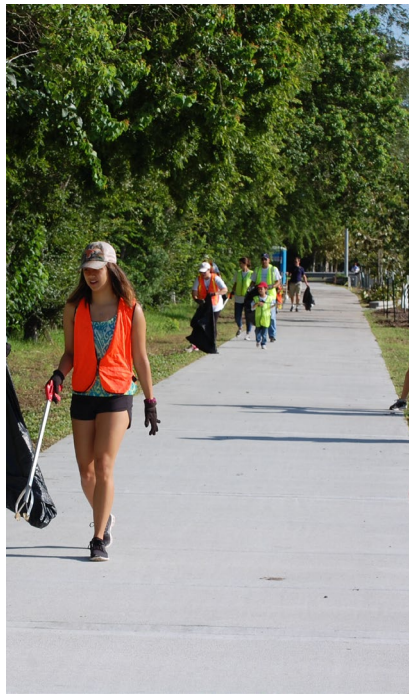

METRO
82 DOWNTOWN
2410
WorkforMETRO.or





UTILITY CORRIDOR TRAILS


JUMP



ACTIVATING OUR TRAILS….


Jacamiah
Seaman
Daugherty










Patent D680,914 S
DERO fixit
Universal Pump Head
Schrader
Presta
Hang bike by seat post
Scan code for detailed
repair instructions
www.dero.com/bike-repair

Federal Infrastructure Bill: What it Means for Bikeways

Joe Cutrufo
BikeHouston

$645 billion for transportation

- $300 billion is a 5-year reauthorization of the FAST Act, the same transportation funding bill we've been living with since 2015.

- The other $345 billion is new.

- The biggest pot of funding for bike infrastructure (Transportation Alternatives) will account for less than 1% of that funding.

Transportation Alternatives

- 60% increase in Transportation Alternatives (TAP) funding
- Currently $850 million annually, then up to $1.38 billion in 2022, and then $1.48 billion in 2026
- Limits on when and how much a state can transfer
  - Texas has historically transferred every dollar they're allowed
  - $100 million in TAP funds on highway rest stops
- Transfers allowed if the USDOT certifies that the state DOT
  - held a competition
  - offered technical assistance to each eligible entity
  - demonstrated that there were not sufficiently suitable applications

Other

- Requires every state to do a Vulnerable Road User Safety Assessment looking at road classification, speed, demographics of surrounding area, etc.
- Requires states where 15% or more of roadway fatalities are vulnerable road users (that's us) to spend 15% or more of Highway Safety Improvement Plan funds on vulnerable road user safety.
- Requires FHWA to research best practices that both promote biking and walking and make biking and walking safer, including on arterial roads.
- Updates the New Car Assessment Program (NCAP) to include a rating on ability to avoid crashes with Vulnerable Road Users.

HSIP Projects in Houston

Ian Hlavacek
Houston Public Works

2020 HSIP

BAC Infrastructure Subcommitee

11/17/2021

What is HSIP?

Highway **S**afety **I**mprovement **P**rogram

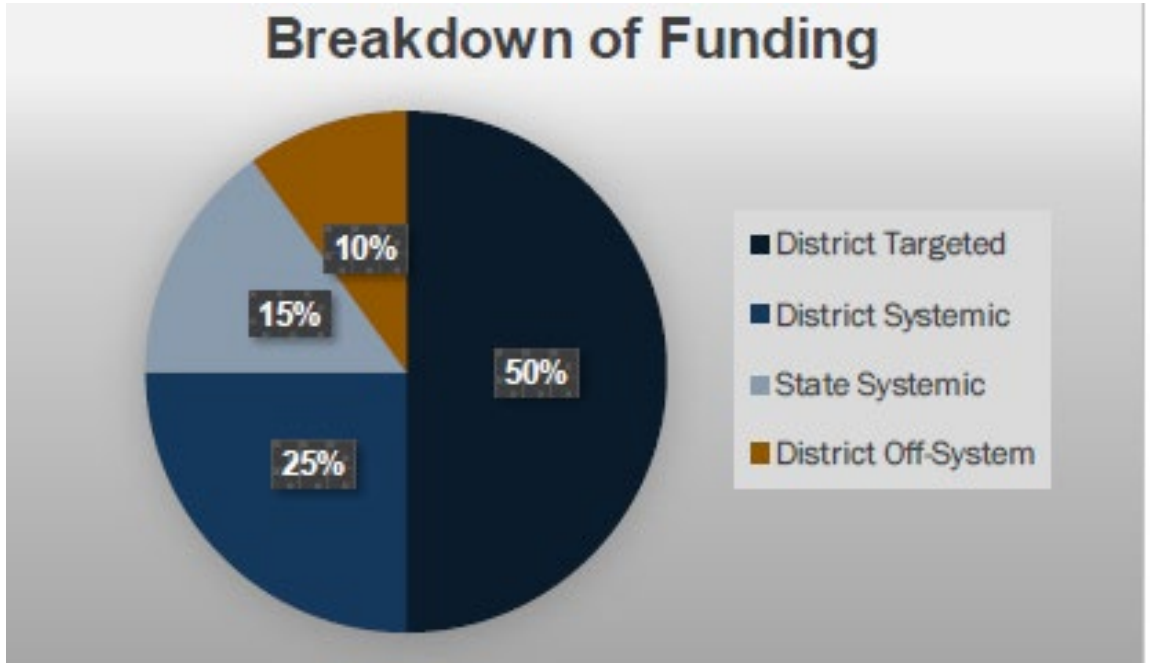
Federally funded; managed by TxDOT

Locations require crashes involving **fatality or injury**

Identified project must **address the crash** problem

What is HSIP?

- 10% dedicated to local roads
- Costs (2020)
  - City pays 100% for design and 10% of construction cost
  - HSIP pays for 90% of construction cost
- Costs (2021)
  - HSIP pays for 100% of construction cost
- Local
  - Total Pie: $46,623,554 (3 years)
  - Local Share: $7,579,295 (3 years)



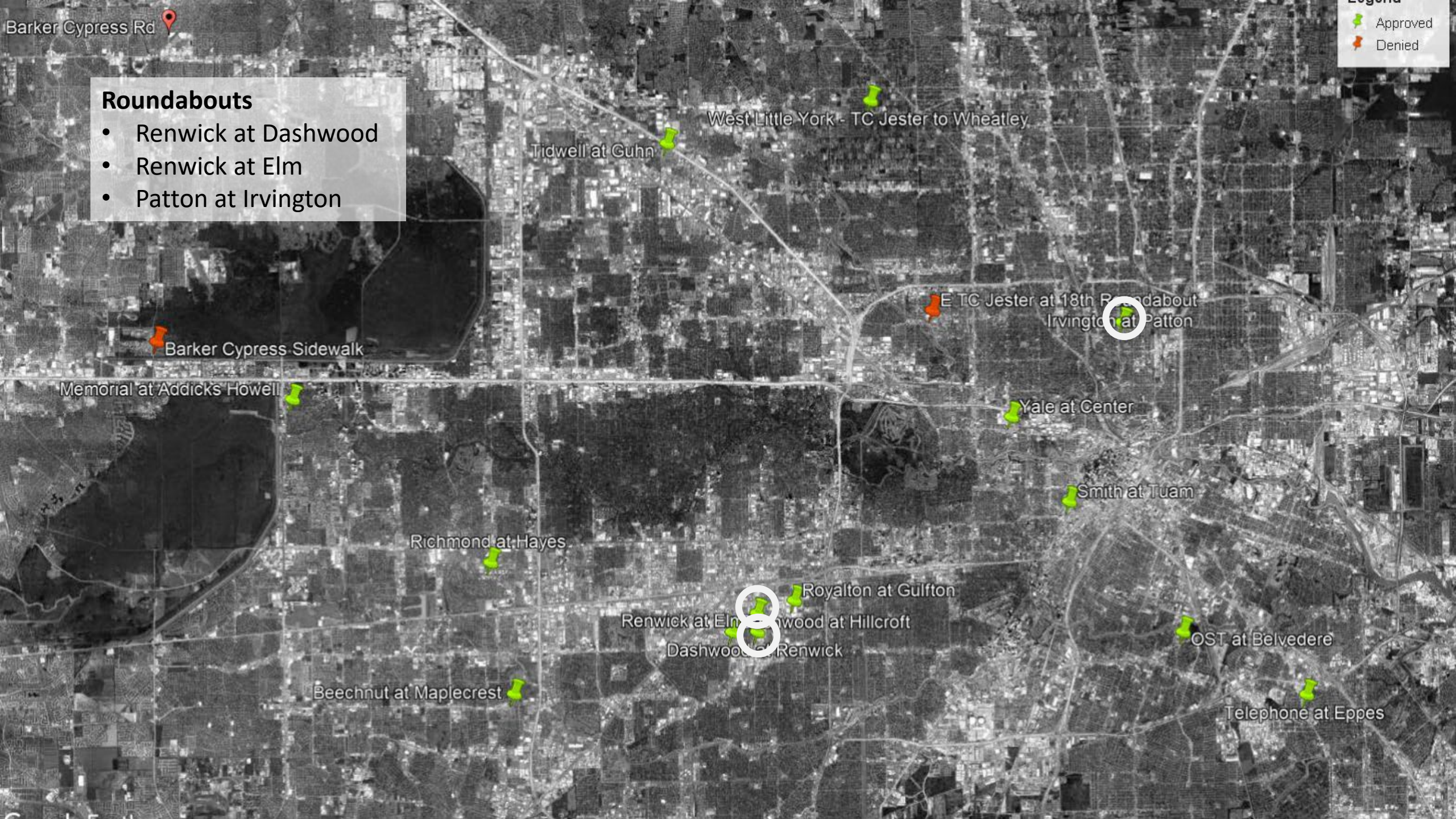
Location	Type of Work	Project Let Date	Authorized Amount
Hillcroft at Dashwood	Install Traffic Signal	Jan-22	$ 259,590
Renwick at Dashwood	Construct a Roundabout	Jan-22	$ 322,245
Patton at Irvington	Construct a Roundabout	Jun-22	$ 200,433
Yale at Center	Improve Traffic Signals	Jun-22	$ 631,780
Richmond at Hayes	Install Traffic Signal	Jun-22	$ 569,842
Tidwell at Guhn	Channelization	Mar-23	$ 106,315
Memorial at Addicks Howell	Channelization	May-23	$ 86,002
Smith at Tuam	Install Traffic Signal	May-23	$ 346,235
Beechnut at Maplecrest	Pedestrian Hybrid Beacon	Jul-23	$ 47,970
W Little York – TC Jester to Wheatley	Install Continuous Turn Lane / Bike Lane	Sep-23	$ 547,324
Gulfton at Royalton	Install Traffic Signal	Oct-23	$ 356,662
Renwick at Elm	Construct a Roundabout	Nov-23	$ 240,894
Telephone at Eppes	Channelization	Jul-24	$ 89,764
OST at Belvedere	Pedestrian Hybrid Beacon	Aug-24	$ 149,226
		TOTAL	**$ 3,573,776**


2020 HSIP Submittals
Legend
Approved
Denied
Barker Cypress Rd
West Little York - TC Jester to Wheatley
Tidwell at Guhn
E TC Jester at 18th Roundabout
Irvington at Patton
Barker Cypress Sidewalk
Memorial at Addicks Howell
Yale at Center
Smith at Tuam
Richmond at Hayes
Royalton at Gulfton
Renwick at Elm
Dashwood at Hillcroft
Dashwood at Renwick
OST at Belvedere
Beechnut at Maplecrest
Telephone at Eppes



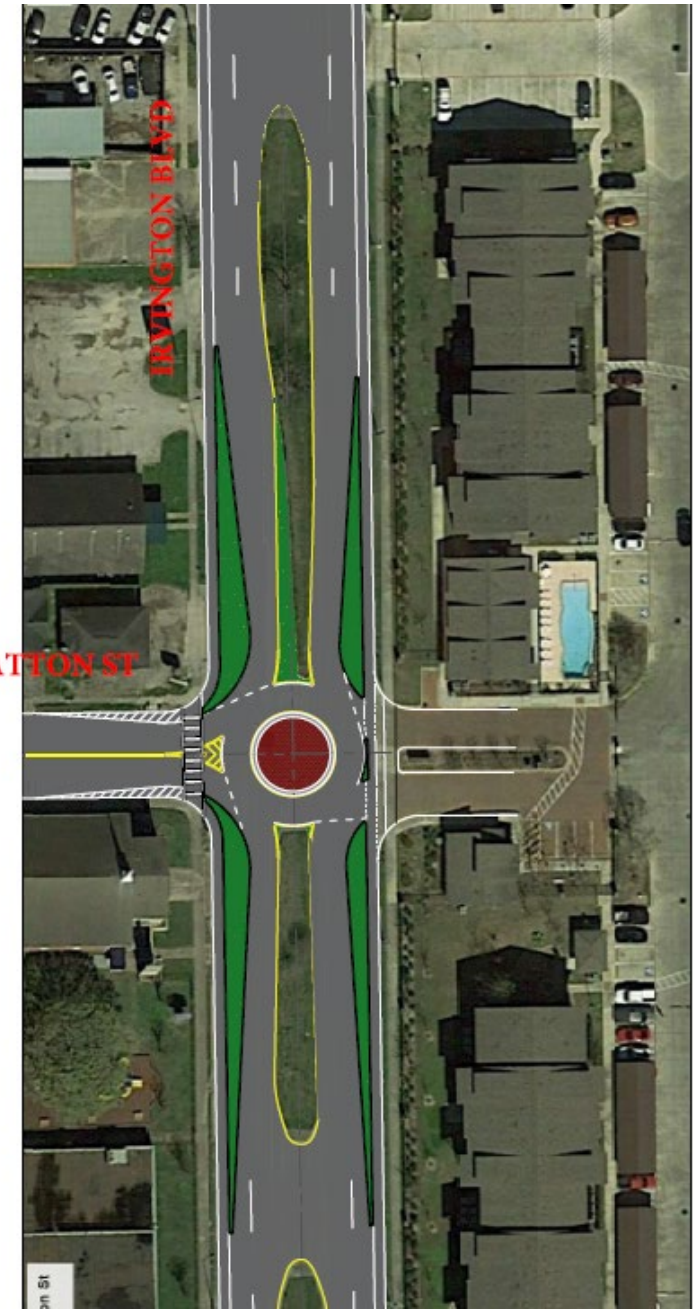
New/Upgraded Signals

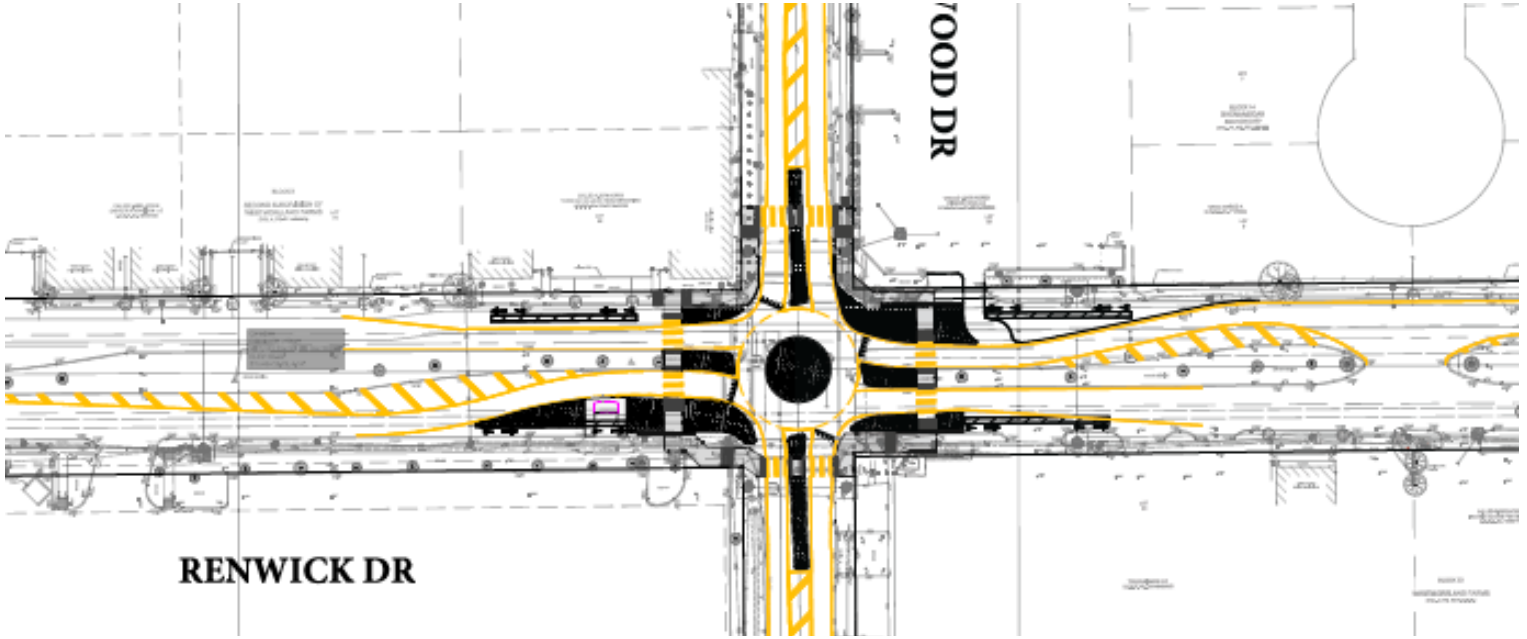
- Hillcroft at Dashwood
- Yale at Center
- Richmond at Hayes
- Smith at Tuam
- Gulfton at Royalton



Roundabouts

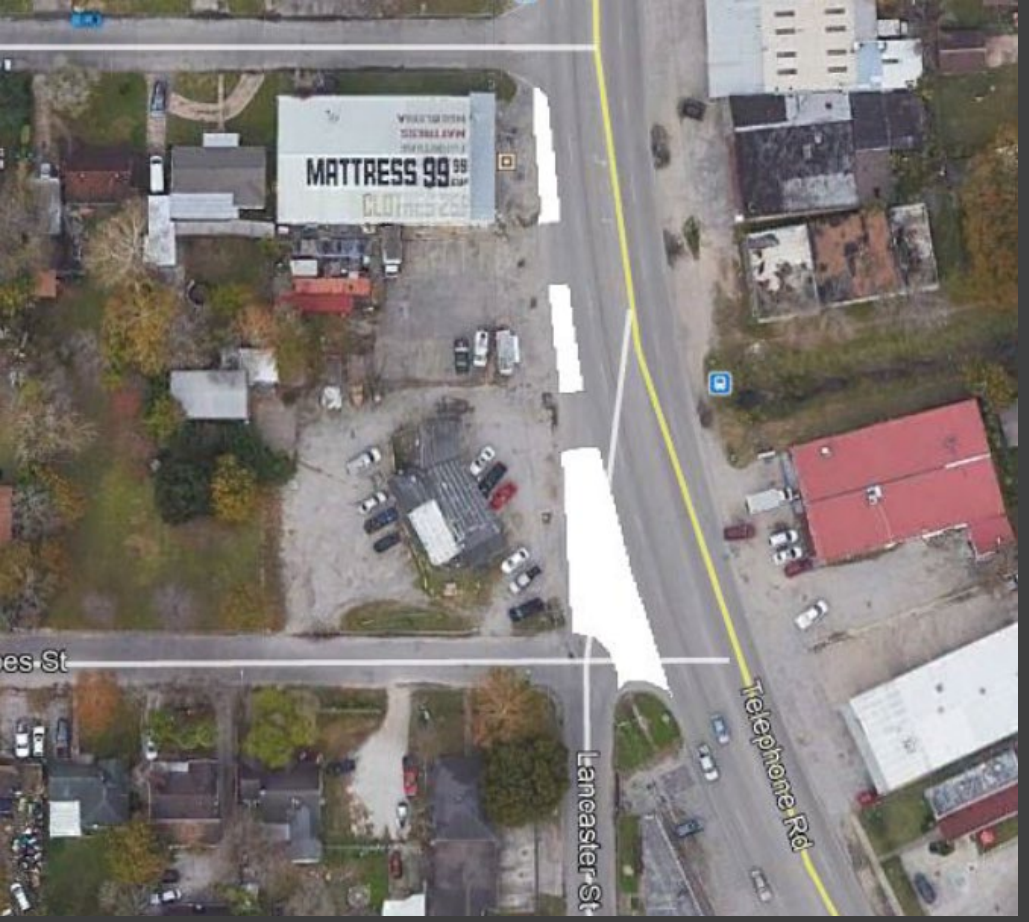
- Renwick at Dashwood
- Renwick at Elm
- Patton at Irvington

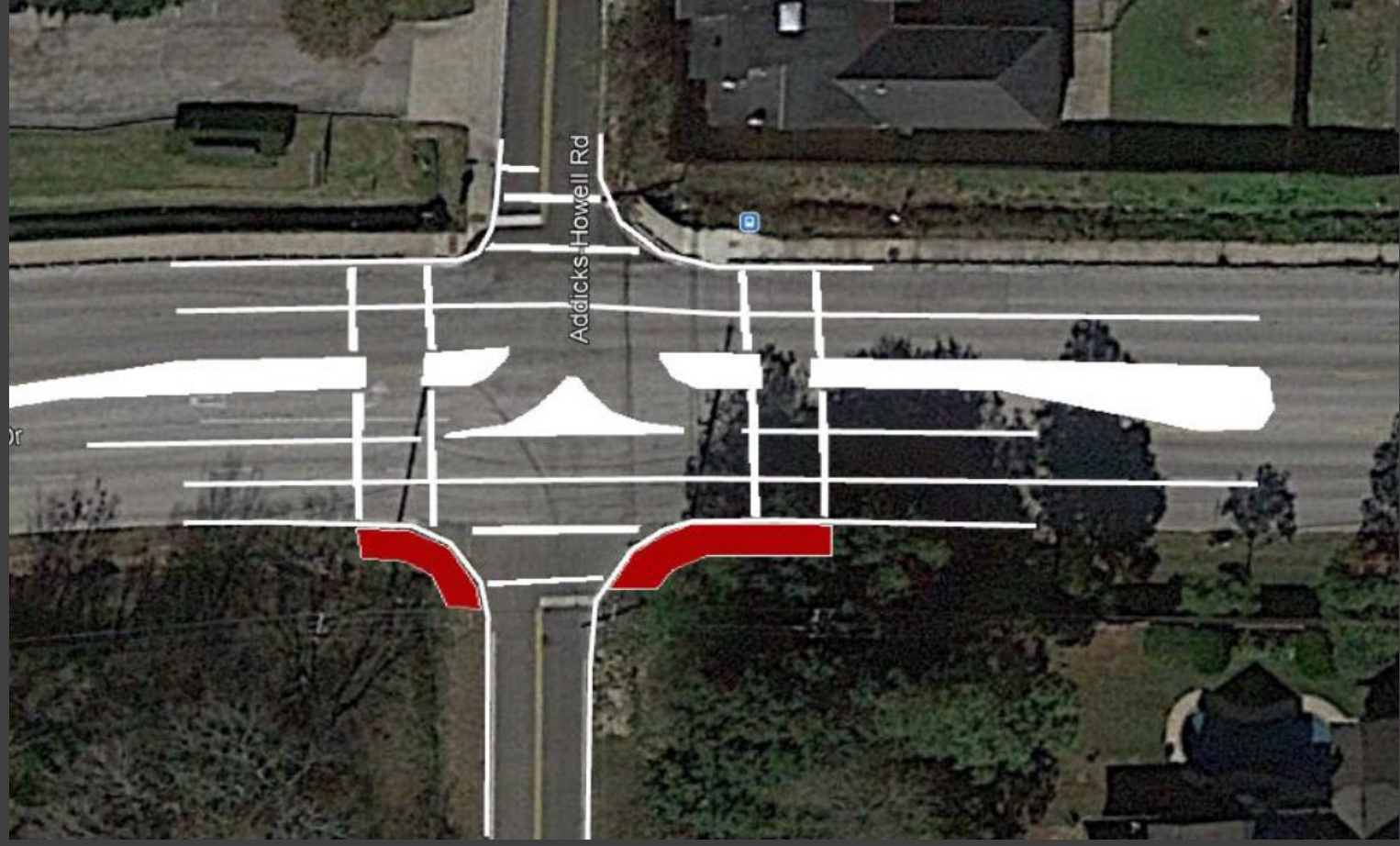


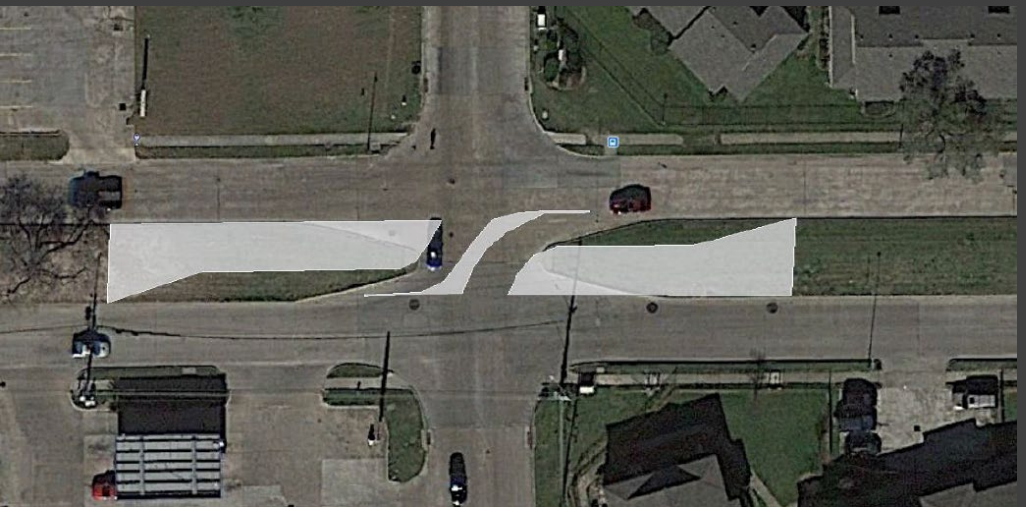


Roundabouts


Legend
Approved
Denied
Barker Cypress Rd
Channelization
• Memorial at Addicks Howell
• Telephone at Eppes
• Tidwell at Guhn
West Little York - TC Jester to Wheatley
Tidwell at Guh
E TC Jester at 18th Roundabout
Irvington at Patton
Barker Cypress Sidewalk
Memorial at Addicks Howe
Yale at Center
Smith at Tuam
Richmond at Hayes
Royalton at Gulfton
Renwick at Elm
Dashwood at Hillcroft
Dashwood at Renwick
OST at Belvedere
Beechnut at Maplecrest
Telephone at Eppes

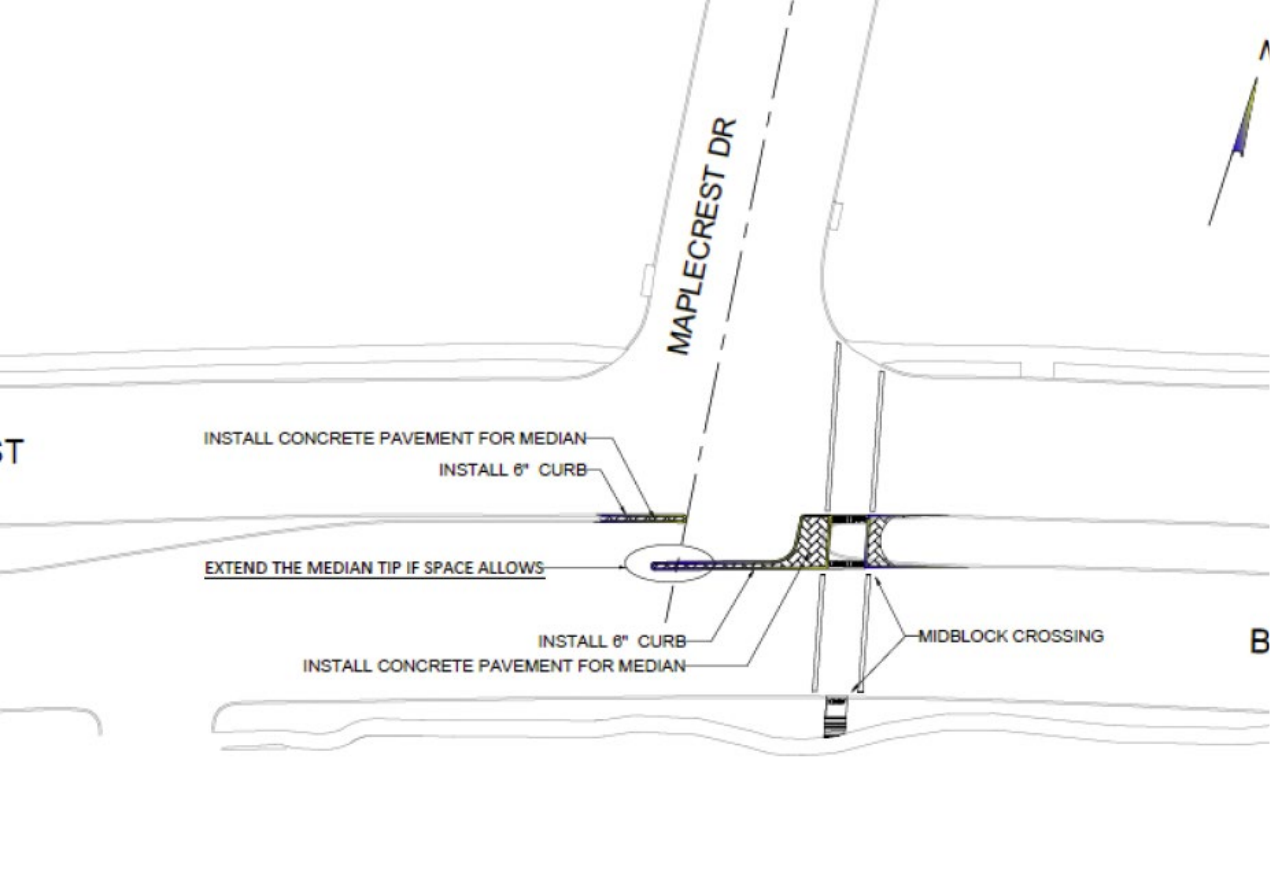


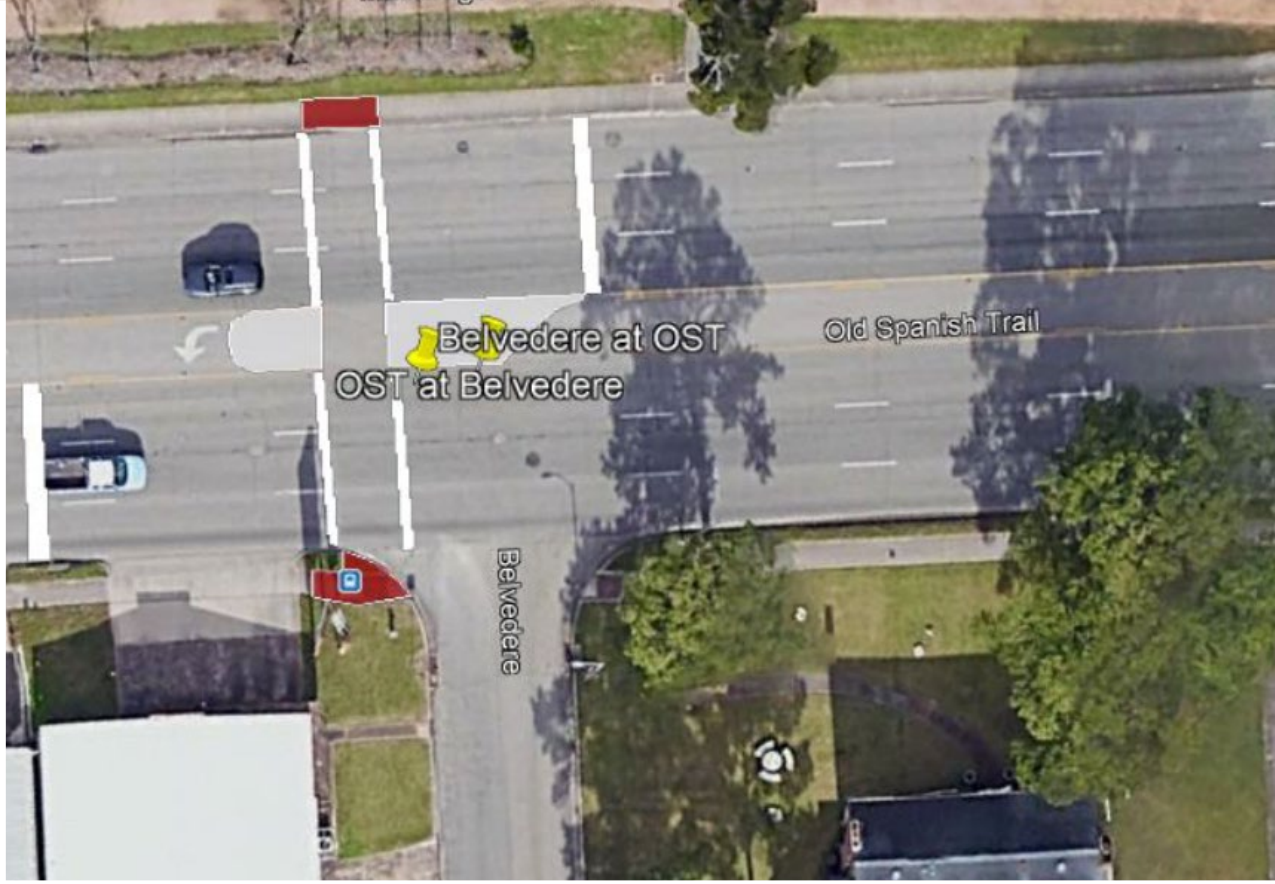




Channelization

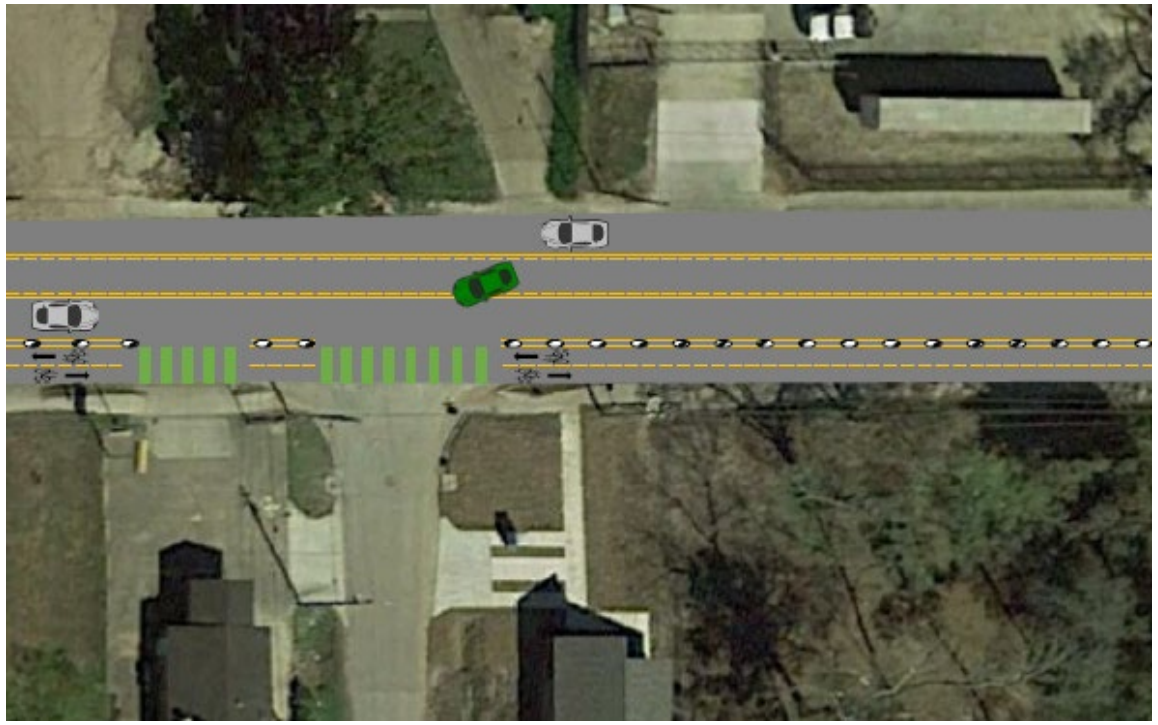

Barker Cypress Rd
Pedestrian Hybrid Beacon
• Beechut at Maplecrest
• OST at Belvedere
West Little York - TC Jester to Wheatley
Tidwell at Guhn
E TC Jester at 18th Roundabout
Irvington at Patton
Barker Cypress Sidewalk
Memorial at Addicks Howell
Yale at Center
Smith at Tuam
Richmond at Hayes
Royalton at Gulfton
Renwick at Elm
Dashwood at Hillcroft
Dashwood at Renwick
OST at Belvedere
Beechnut at Maplecres
Telephone at Eppes
Legend
Approved
Denied

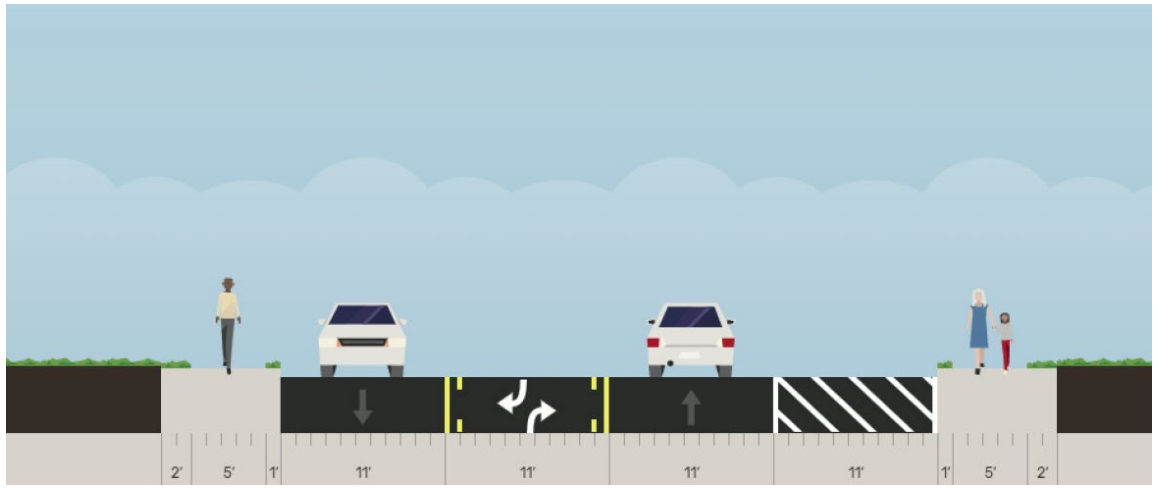




Pedestrian Hybrid Beacons (PHBs or HAWKs)

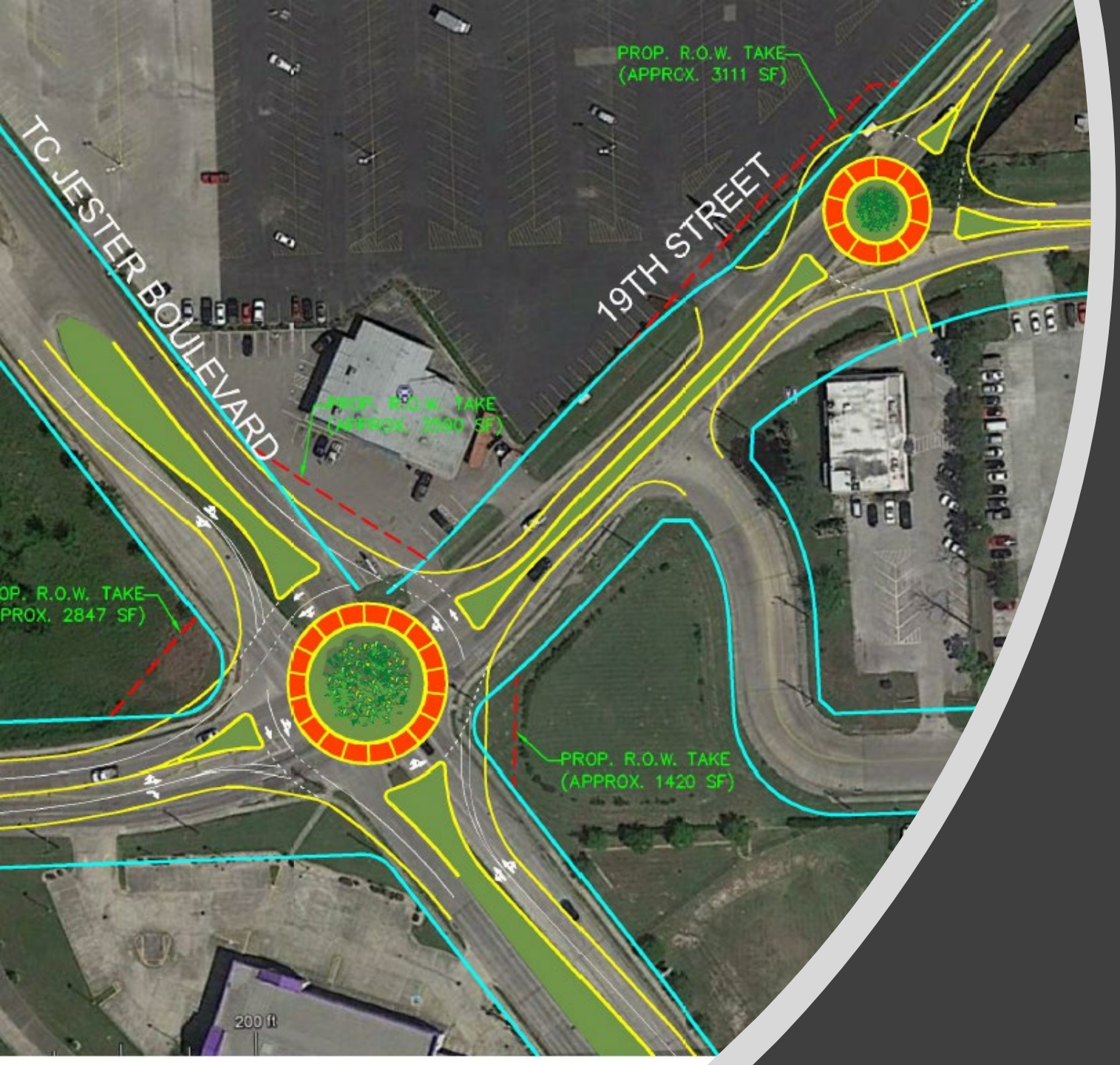

Barker Cypress Rd
Center Turn Lane / Bikeway
• W Little York – TC Jester to Wheatley
West Little York - TC Jester to Wheatley
Hidwell at Guhn
E TC Jester at 18th Roundabout
Irvington at Patton
Barker Cypress Sidewalk
Memorial at Addicks Howell
Yale at Center
Smith at Tuam
Richmond at Hayes
Royalton at Gulfton
Renwick at Elm
Dashwood at Hillcroft
Dashwood at Renwick
OST at Belvedere
Beechnut at Maplecrest
Telephone at Eppes
Legend
Approved
Denied





Center Turn Lane / Bikeway


Barker Cypress Rd
Denied in 2020
• Barker Cypress Sidewalk
• E TC Jester at 18th Roundabout
West Little York - TC Jester to Wheatley
idwell at Guhn
E TC Jester at 18th Roundabout
Irvington at Patton
arker Cypress Sidewalk
Memorial at Addicks Howell
Yale at Center
Smith at Tuam
Richmond at Hayes
Royalton at Gulfton
Renwick at Elm
ashwood at Hillcroft
Dashwood at Renwick
OST at Belvedere
Beechnut at Maplecrest
Telephone at Eppes
Legend
Approved
Denied



E TC Jester at 18th

How did we identify these locations?

311 requests for signals	Council member requests	City Program (e.g. Complete Communities, COH Bikeways)	TIRZ/Management District	Residents
•Smith/Tuam (signal) •Gulfton/Royalton (signal) •OST/Belvedere (PHB) •Beechnut/Maplecrest (PHB) •Patton/Irvington (roundabout) •Tidwell/Guhn (channelization) •Memorial/Addicks Howell (channelization) •Telphone/Eppes (channelization) •E TC Jester/18th (roundabout – did not qualify)	•Renwick/Dashwood (roundabout) •Renwick/Elm (roundabout)	•West Little York (center turn lane/bikeway) •Hillcroft/Dashwood (signal)	•Yale/Center (signal rebuild) •Richmond/Hayes (signal)	•Barker Cypress (sidewalk – did not qualify)

This Year

Deadline: December 17, 2021

FY 22-25

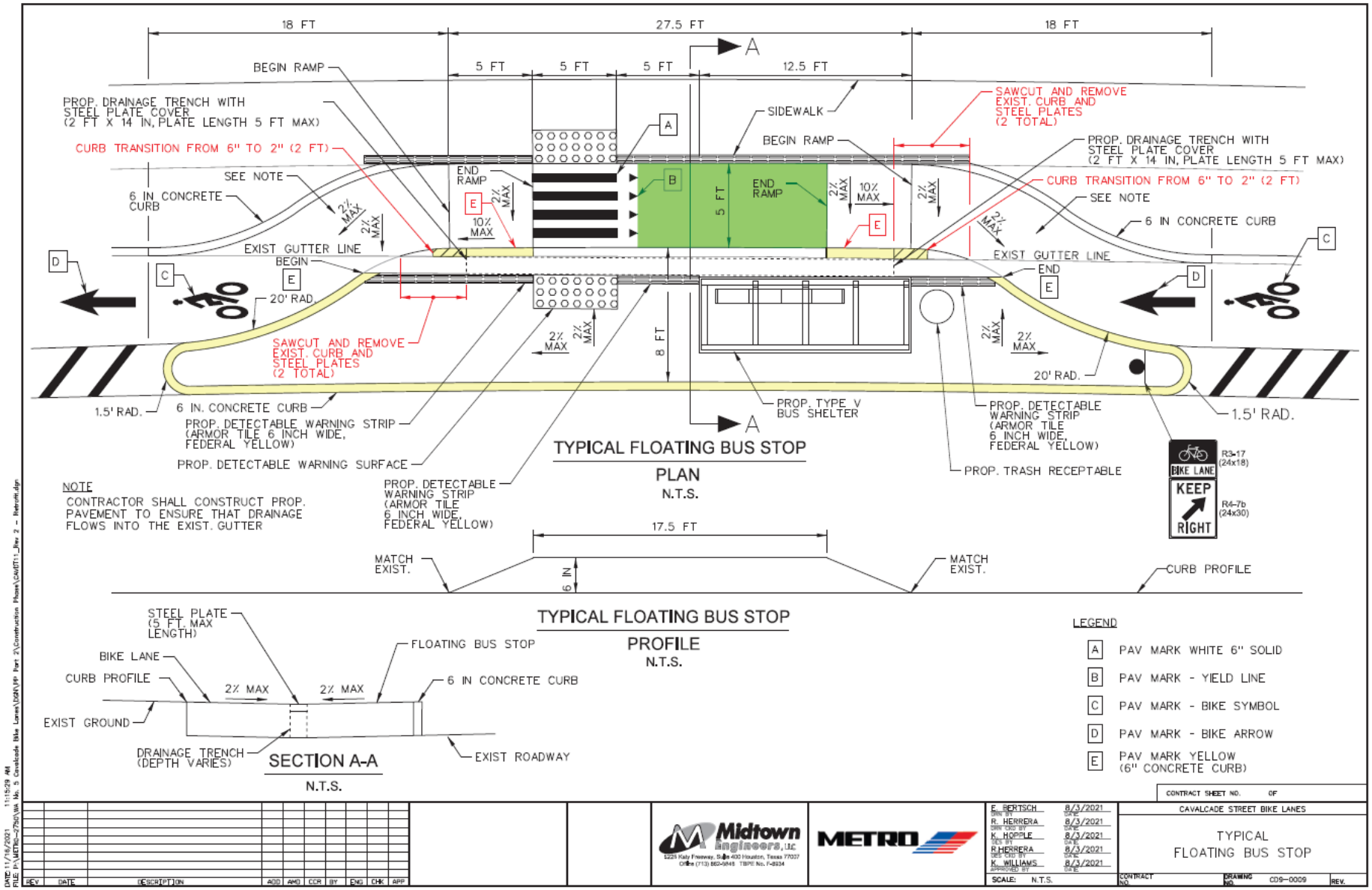
HSIP pays 100% of construction costs.

COH is currently identifying locations.

Draft list: 39 locations.

Discussion: Floating Bus Stops
Lessons Learned

METRO Floating Bus Stop Retrofit



Agenda

1. Chair's Report
2. Public Comment
3. Bikeways Deep Dive: Westchase Management District
4. New Infrastructure Bill: What it means for bikeways
5. Highway Safety Improvement Program (HSIP) Projects in Houston
6. Discussion: Floating Bus Stops Lessons Learned
7. Open Forum
8. Announcements/Events

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

Open Forum

Announcements and Events

Announcements

Inwood Recreation Plan Virtual Community Meeting

- Houston Parks Board is hosting a virtual community meeting on phase 1 of the Inwood Recreation Plan
- Updates on Vogel Creek greenway project
- 11/17, 6pm
- To register: LINK

HOUSTON PARKS BOARD

Register to hear an update on the progress of design plans for the Inwood Recreation Phase One



Announcements

Safe Routes to School Webinar

- The Houston Health Department is hosting a webinar series on how to start and grow a Safe Routes to School Program
- Second webinar will focus on programming
- Registration: https://saferoutespartnership-org.zoom.us/webinar/register/WN_qMAZ7oJFTiGtMn7vGXmGaw



Announcements

East Downtown Mobility Plan

- TIRZ 15 is conducting a mobility plan for East Downtown
- Take a virtual tour and a mobility survey (survey up until 11/24)
- Details: bit.ly/15mobility



Announcements



Announcements

Next Meetings

- Education Subcommittee: December 15, 2:30-4:30pm
- Bicycle Advisory Committee: January 26, 2:30-4:30pm
- Infrastructure Subcommittee: February 23, 2:30-4:30pm

Thank You

PLANNING & DEVELOPMENT DEPARTMENT

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