City of Houston
Bicycle Advisory Committee

Wednesday, April 22, 2020
2:30-4:30pm

In accordance with current guidance on COVID19, this meeting will be held only in an electronic format. Connection information is below. You may want to test your browser with these links prior to the start of the meeting.

Comments received via email before 2:00pm on April 22, 2020 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.

Join our web-based meeting here:

By Computer: Join Microsoft Teams Meeting

or https://tinyurl.com/BACApril2020

By Phone: +1 936-755-1521 United States, Huntsville

Conference ID: 184 300 80#

Local numbers | Learn more about Teams | Meeting options

Agenda

Discussion and Possible Action Regarding the Following Items:

1. Director's Report
2. Chair's Report
3. Approval of January Minutes
4. Public Comment
5. Presentation of BikeHouston's Bike Friendly Drivers Program Evaluation
6. Update on Bikeways in Design and Under Construction
7. Update on the Mayor's COVID-19 Accelerated Bikeway Projects
8. Announcements

DRAFT Minutes of the Bicycle Advisory Committee (BAC)

April 22, 2020
Meeting held virtually
via Microsoft Teams
2:30 p.m.

Call to Order
Chair Maya Ford called the meeting to order at 2:30 p.m. with a quorum present.

Maya Ford, Chair	
Clark Martinson, Vice Chair	
Toloria Allen	
Kristine Anthony-Miller	
Oni Blair	
Neil Bremner	Absent
Tom Compson	
Lisa Graiff	
Robin Holzer	
Beth Martin	
Yuhayna Mahmud	Absent
Veon McReynolds	
Amar Mohite	
Alejandro Perez	
Ana Ramirez Huerta	
Sandra Rodriguez	
Mike VanDusen	
Judith Villareal	Absent
Jessica Wiggins	
Adam Williams	

EXOFFICIO MEMBERS

Ian Hlavacek
David Fields
Juvenal Robles

1. DIRECTOR'S REPORT
The Director's Report was given by Assistant Director David Fields. Fields reported that the City of Houston is still open during the COVID-19 pandemic and bikeway projects are continuing as best they can. The Vision Zero action plan is scheduled to release in September 2020: Fields stated social media campaigning will begin this spring with two public campaigns scheduled for May-June and July-August. In reference to the NHHIP, Planning & Development is assisting the Mayor's Office in drafting a letter to TxDOT that will address the city's concerns and goals regarding the project.

2. CHAIR'S REPORT
Chair Maya Ford provided the Chair's Report. Chair Ford brought to attention increased bicycle usage during the COVID-19 pandemic. Chair Ford said that safety should be of most importance and

asked committee members to think about how increased usage can be used to build momentum in public interest in bicycle infrastructure projects and public education.

3. APPROVAL OF OCTOBER MINUTES

Committee action: Approve the January 22, 2020 Bicycle Advisory Committee (BAC) meeting minutes.

Motion: **Martinson** Second: **Blair** Vote: **Unanimous** Abstaining: **None**

4. PUBLIC COMMENT

Adjusting to the virtual conditions in which the meeting was being held, public comment was invited after approval of the minutes and after each subsequent agenda item. No public comments were given nor submitted to be read into the record.

5. PRESENTATION OF BIKEHOUSTON'S BIKE FRIENDLY DRIVERS PROGRAM

Dr. Inge Ford, Education Director at Bike Houston, presented to the Committee on BikeHouston's Bike Friendly Drivers Program which teaches auto drivers how to avoid crashes with cyclists and pedestrians. Her presentation covered the program's history, mission, and activities. Dr. Ford's presentation is available on Planning & Development's website and more information on the program can be found at https://bikehouston.org/bicyclefriendlydriver/. BikeHouston is also working with the State driver's education program to see how this could fit in as well. Discussion after the presentation centered around the program's current collaboration with the Houston Police Department and additional partnerships.

6. UPDATE ON BIKEWAYS IN DESIGN AND UNDER CONSTRUCTION

Staff Member Melissa Beeler gave an update on Build 50 projects. Near Northside projects complete: Lyons, Hardy/Elysian, Downtown Connector, Kelley. Third Ward projects complete: Hutchins, Cleburne. Third Ward projects under construction: Austin/La Branch (striping complete, curbs and flex posts installed), Gray (stalled due to adjacent building being under construction, now that it is complete construction of the bikeway has continued), Polk Street and Cullen (have been contracted out and construction has started at intersection of Polk St and Emancipation Avenue). CIP Funded Projects—Acres Home, Patterson, 11th, N Main, Quitman—completed engagement for concept and design and going into construction design phases. Southeast/MLK is planned and added to the website as of today.

It was requested to supply information on bikeway projects led by or with the contribution of METRO, Parks & Recreation, or others. This will give a more cohesive picture of Houston's bike infrastructure network. Planning & Development has the data and will work on converting it to a form accessible to the Committee.

7. UPDATE ON MAYOR'S COVID-19 ACCELERATED BIKEWAY PROJECTS

Assistant Director Fields shared an update from the Mayor's office, stating the city is looking strategically at what bikeway projects can be completed amidst the COVID-19 pandemic. Less traffic due to social distancing and more available crews could accelerate projects. Using the Houston Bike Plan, Planning & Development is working with Public Works to determine what infrastructure projects are feasible to complete with current funding and time available. Fields stated the Committee should be prepared to receive a priority list of projects and pilots as soon as it's completed. Discussion ensued. Many were appreciative of the City's forward-thinking approach and offered support by way of providing recommendations, sharing with the public, and assistance in evaluating pilots.

8. ANNOUNCEMENTS

Chair Ford announced that the City of Houston released its Climate Action Plan. The plan can be found here: http://greenhoustontx.gov/climateactionplan/.

Ian Hlavacek gave an update on the Brazos Bridge Project. Improvements to improve the safety at the crossing of Smith and Bagby streets was incorporated in the project in lieu of the change to maintain the bridge. Construction will begin with the replacement of the bridge deck, followed by the pedestrian improvements underneath. The project is planned to be completed January 2021.

9. ADJOURNMENT

There being no further business brought before the Committee, Chair Maya Ford adjourned the meeting at 4:48 p.m.

Maya Ford	**David Fields**
Chair	**Executive Secretary**

Bicycle Advisory Committee

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

PLANNING & DEVELOPMENT DEPARTMENT

April 22, 2020 2:30-4:30pm
Microsoft Teams

Agenda

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Bike Friendly Drivers Program Evaluation

Inge Ford

BikeHouston

PLANNING & DEVELOPMENT DEPARTMENT

Update on Bikeways in Design and Under Construction

Melissa Beeler, AICP

Planning & Development

PLANNING & DEVELOPMENT DEPARTMENT

Bikeway Implementation Status

Corridors	Mileage	Public Engagement			Design			Construction
		Concept	Design	Pre-Construction	50%	90%	100%	Construction
Near Northside								
Lyons	0.8	■	■	■	■	■	■	■
Hardy/Elysian	5.0	■	■	■	■	■	■	■
Downtown Connector	1.2	■	■	■	■	■	■	■
Kelley	2.6	■	■	■	■	■	■	■
Total Mileage	9.6							
Third Ward								
Austin/La Branch	3.3	■	■	■	■	■	■	■
Gray	1.8	■	■	■	■	■	■	■
Polk	1.1	■	■	■	■	■	■	■
Cullen	0.2	■	■	■	■	■	■	■
Hutchins	1.1	■	■	■	■	■	■	■
Cleburne	0.6	■	■	■	■	■	■	■
Total Mileage	8.0							

PLANNING & DEVELOPMENT DEPARTMENT

Bikeway Implementation Status

Corridors	Mileage	Public Engagement			Design			Construction
CIP Funded								
Acres Home	13.5							
Patterson	1.4							
11th	2.2							
N Main	1.6							
Quitman	0.6							
Total Mileage	19.3							
Future Precinct 1								
Southeast/MLK	5.2							
Fifth Ward	TBD							

PLANNING & DEVELOPMENT DEPARTMENT

Update on Mayor's COVID-19 Accelerated Bikeway Projects

David Fields, AICP

Planning & Development

PLANNING & DEVELOPMENT DEPARTMENT

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Next Meetings

Infrastructure Subcommittee

May 27, 2:30-4:30pm, Location TBD

Education Subcommittee

June 24, 2:30-4:30pm, Location TBD

Bicycle Advisory Committee

July 22, 2:30-4:30pm, Location TBD

PLANNING & DEVELOPMENT DEPARTMENT



2020

National Bike Summit

From Windshield to Handlebar -

Grooming Bicycle Friendly Drivers in a "car-centric" town

By: Inge Ford, DMD, LCI
Education Director @ BikeHouston
Arlington,VA
March 2020

BIKEHOUSTON®



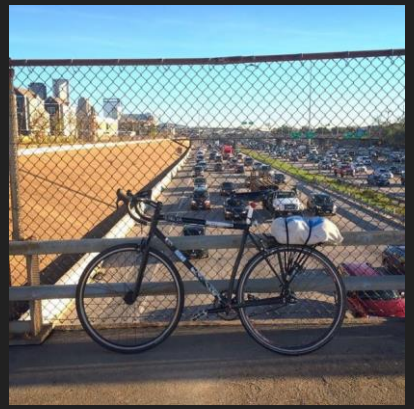
About BikeHouston

- Non-profit bicycle advocacy organization

- **Mission:** Transform our city by creating safe bikeways to improve the quality of life of all Houstonians.

- **Program areas:** advocacy, community education, law enforcement

Why we need more Bicycle-Friendly Drivers



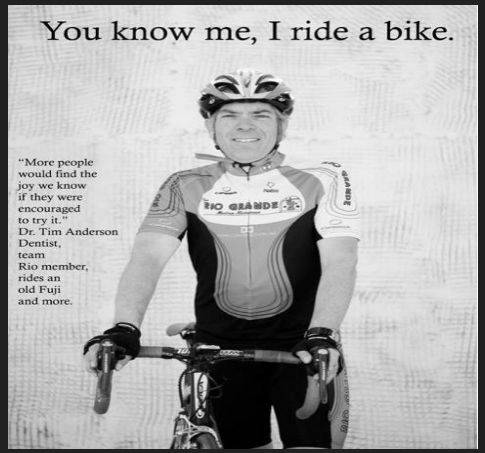
- Avg daily driving commute is 23.2 miles as result of urban sprawl
- No zoning in the city results in no planning barriers to facilitate travel times
- 4 out of 5 people drive alone with long commutes
- Roads designed for maximum speed to move many people quickly
- Lack of robust enforcement of traffic laws; stagnant # patrol officers per capita. Note: Texting while driving not enforced
- Avg 12-13 fatal crashes per week in Harris County

DRIVING WITH BICYCLISTS

- Topics
  - Sharing the Road
  - Road Designs
  - Common Crashes
  - Taking the Lane
  - Legal or Not?
  - What We Teach Cyclists
  - Exam
  - Wrap Up



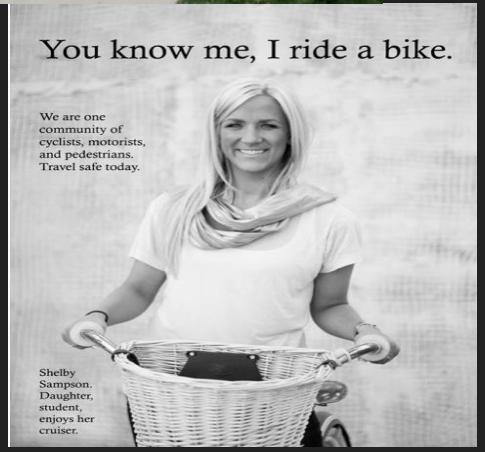
AMBASSADOR
- PROGRAM -







Photos courtesy of Bike Fort Collins





We Are All People

SHARE THE ROAD

- A bicycle is a vehicle and is required by law to follow ALL rules of the road
- Cyclists fare best when they act and are treated as drivers of vehicles



BICYCLE AMBASSADOR - PROGRAM -

Roadway Designs

Approaches to communicate:

- Direction of travel
- Intersection positioning
- Where to expect bicyclists

Shared Lane Markings ("Sharrows")



Bike Signal





Bike Boxes

Bikeway Design Takeaway

- People who ride bikes and drive cars have multiple designs to negotiate
  - Lane markings
  - Signage
  - Specialized lights

- People who ride bikes *are not* required to use designated bike lanes

BICYCLE AMBASSADOR - PROGRAM -

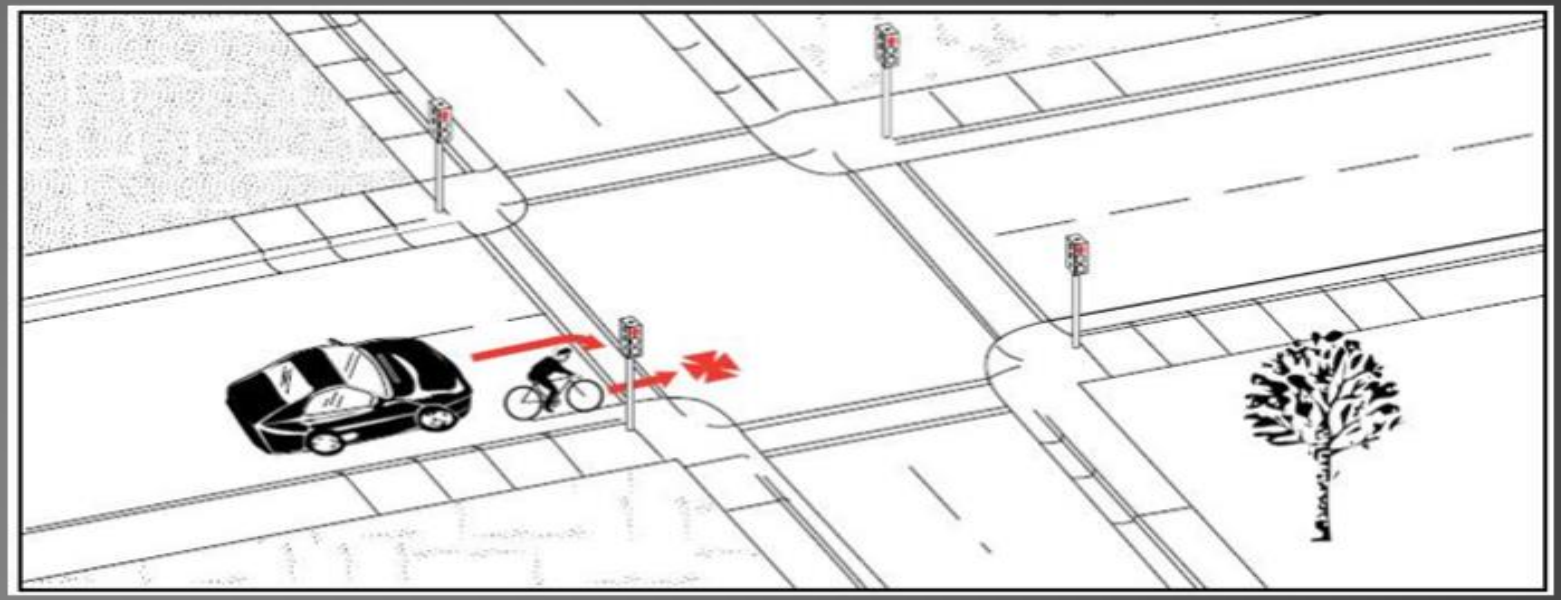
WHY BICYCLISTS TAKE THE LANE



- It is often the **safest place**
- Because riding on **sidewalks** is sometimes illegal and usually **unsafe**
- To **prevent** being **buzzed** or sideswiped
- To **trigger light** or signals
- To prepare for a **left-hand turn**

BICYCLE AMBASSADOR - PROGRAM -

COMMON CRASHES



- 14% Right Hook (or Overtaking Turn)

BICYCLE AMBASSADOR - PROGRAM -

OTHER SITUATIONS





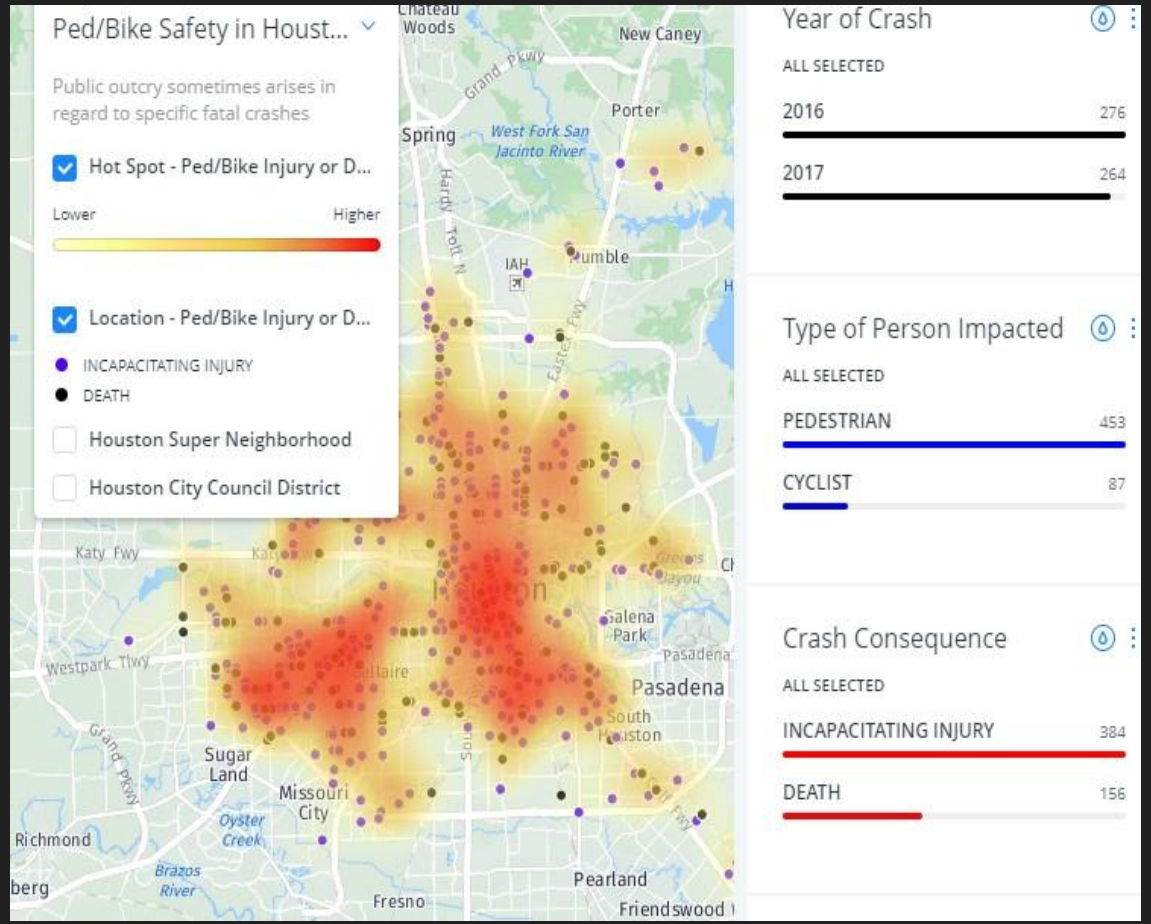


- Distracted Driving
- Sun Glare and Fog
- Illegal Courtesies
- Avoid Parking in Bike Lanes
- Children on Bikes

BICYCLE AMBASSADOR - PROGRAM -

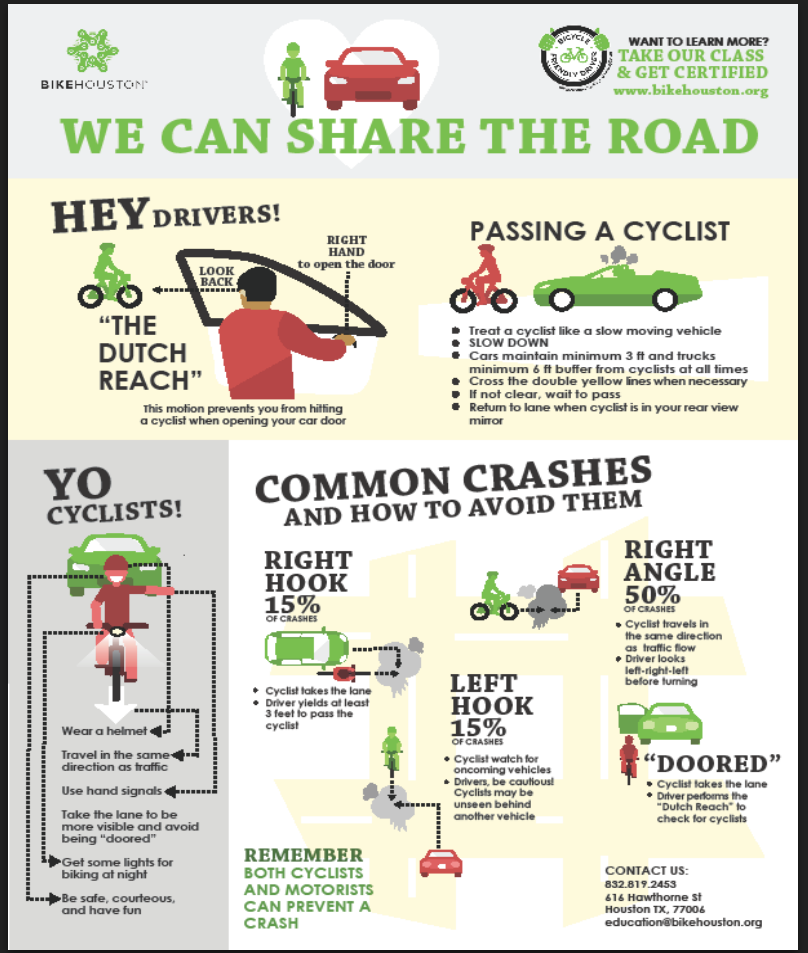
Can we share the road?

- Look at crash hot spots
- Evaluate types of crashes - time of day, age, conditions, and location
- Educate & activate to inspire proactive behaviour



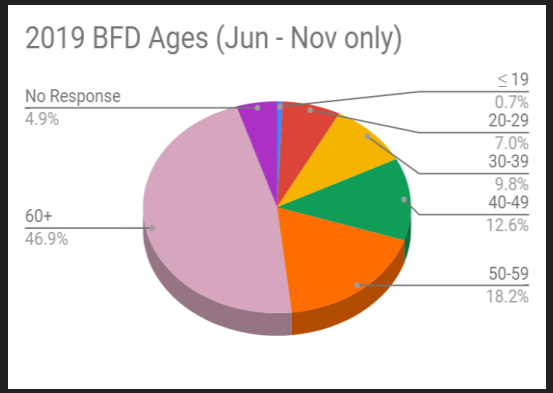
Yes, we can

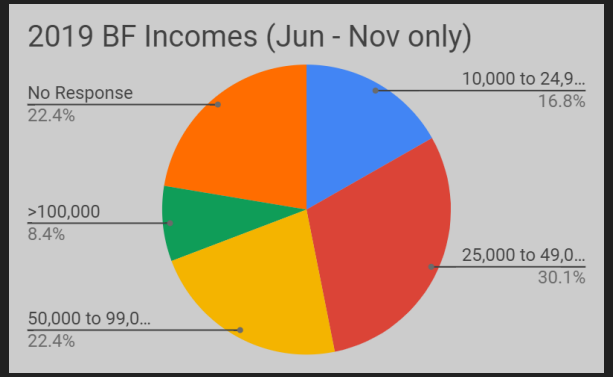
- Assertive community outreach
- Train from a motor-vehicle perspective
- Beyond certification training include an easy reference infographic w/crash avoidance tips for drivers and bicyclist
- Follow-up with certified trainees with a short survey after 6 months

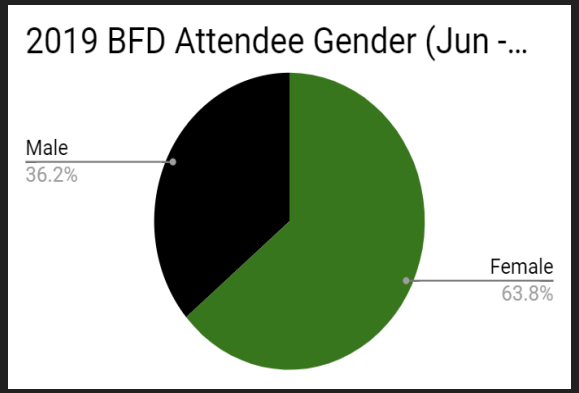


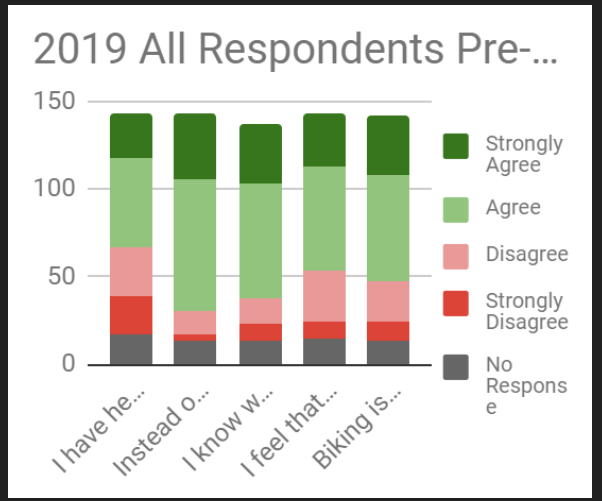
Who we engaged?

- >300 participants year one
- Many mid-income earners
- Mostly female drivers
- Many drivers >60 yrs old
- Most drivers within Harris County









Challenges

- Program acceptance - local/state
- Encouraging Ambassadors
- Getting fleet organizations on board (FedEx, Transit, etc)
- Expanding demographic to all age groups, cultures, languages







Next steps

- Increase number of Ambassadors to train Bicycle-Friendly Drivers
- Develop online platforms to train a wider audience
- Work w/local organizations to train employees who drive for a living
- Work w/ TX-DMV to update vulnerable road user info



Contact

www.bikehouston.org

info@bikehouston.org

-or-

Inge Ford, DMD, LCI

iford@bikehouston.org

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1. MATCH EXIST CURB.
2. EXIST CURB RAMP TO BE REMAIN.
3. PROPOSED 5' WIDE CURB RAMP.
4. REMOVE EXISTING THERMOPLASTIC PAVEMENT MARKING.
5. PROPOSED THERMOPLASTIC PAVEMENT MARKING.
6. EXISTING PEDESTRIAN SIGNAL POLE TO BE REMOVED.
7. EXISTING TRAFFIC SIGNAL POLE TO REMAIN. ROTATE PEDESTRIAN SIGNAL HEAD TOWARDS PROPOSED CURB RAMPS.
8. EXISTING TRAFFIC SIGN TO REMAIN
9. REMOVE EXISTING TRAFFIC SIGN
10. REMOVE EXISTING SIDEWALK OR CURB RAMP (SEE PREVIOUS SHEET)
11. 18" CLEARANCE TO ALLOW DRAINAGE TO EXISTING INLET.
12. EXISTING INLET TO REMAIN
13. PROPOSED REFLECTIVE YELLOW CURB MARKING.
14. MATCH EXISTING SIDEWALK.
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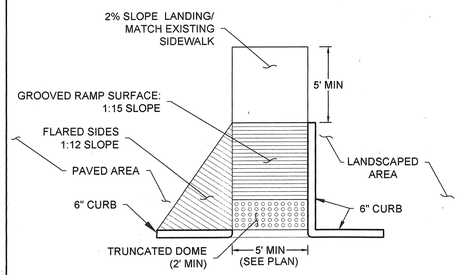
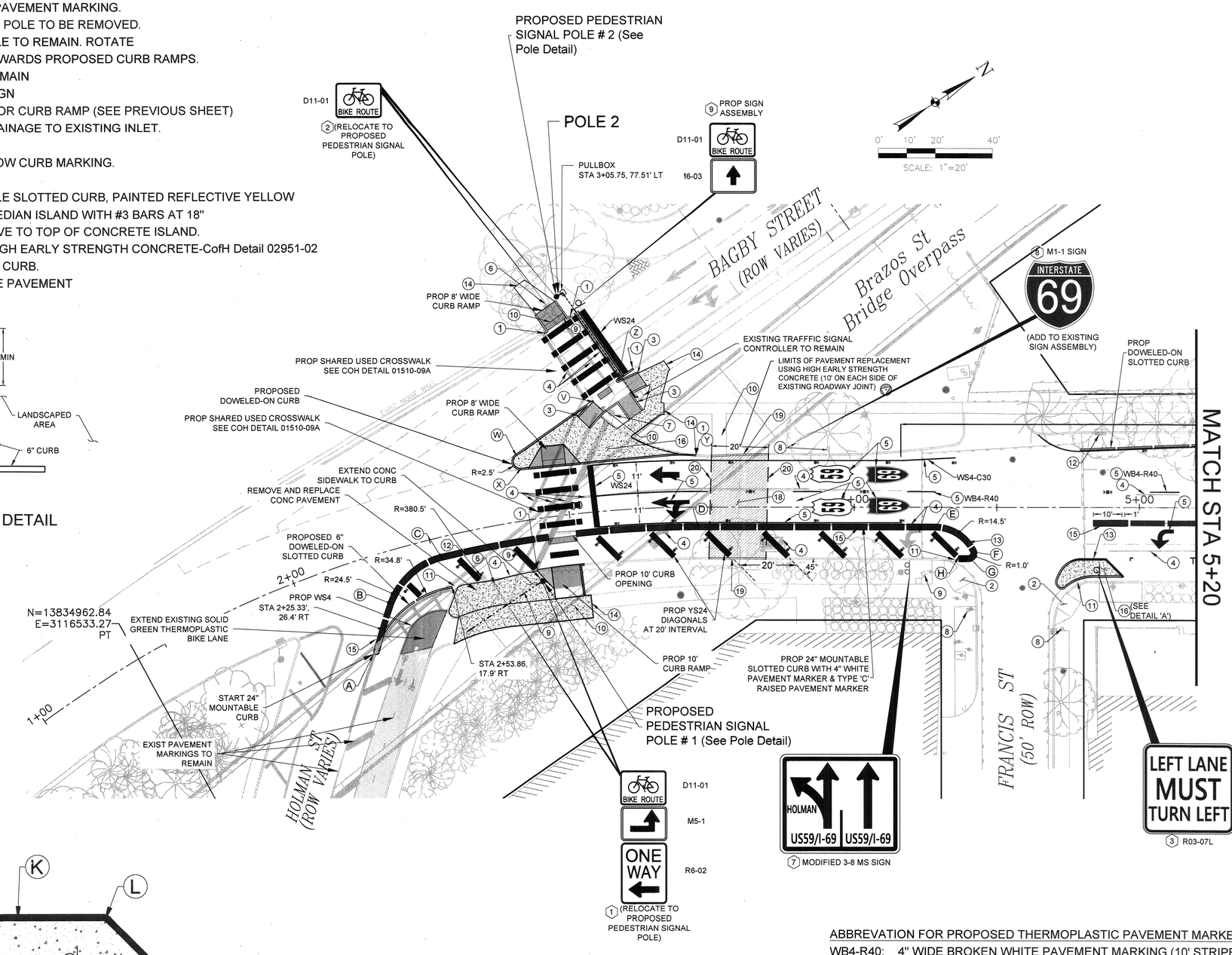
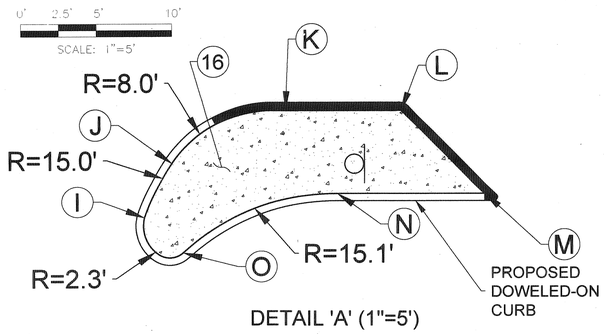
16. PROPOSED 6" REINFORCED MEDIAN ISLAND WITH #3 BARS AT 18"
17. ADJUST EXISTING WATER VALVE TO TOP OF CONCRETE ISLAND.
18. REPLACE PAVEMENT USING HIGH EARLY STRENGTH CONCRETE-CofH Detail 02951-02
19. REMOVE & REPLACE EXISTING CURB.
20. SAW-CUT EXISTING CONCRETE PAVEMENT



TYPICAL RAMP DETAIL





DETAIL 'A' (1"=5')

CONSTRUCTION POINTS

Point	Station	Offset (Ft.)	SIDE	Description
A	2+18.42	33.1	RT	START CURB
B	2+31.36	18.7	RT	PC BOC
C	2+53.02	8.0	RT	PCC BOC
D	3+45.63	8.0	RT	PT BOC
E	4+27.96	8.0	RT	PC BOC
F	4+40.78	15.7	RT	PCC BOC
G	4+39.89	17.2	RT	PT BOC
H	4+36.69	17.2	RT	BOC
I	4+71.10	25.7	RT	PC BOC
J	4+72.91	22.1	RT	PCC BOC
K	4+79.51	18.6	RT	PT BOC
L	4+88.08	18.6	RT	BOC
M	4+93.59	24.1	RT	BOC
N	4+83.85	24.1	RT	PC BOC
O	4+73.65	28.1	RT	PCC BOC
P	6+74.80	23.8	RT	BOC
Q	6+74.77	20.2	RT	PC BOC
R	6+76.77	18.2	RT	PCC BOC
S	6+84.54	22.7	RT	PT BOC
T	6+86.85	27.3	RT	PC BOC
U	6+80.00	24.4	RT	PT BOC
V	3+11.70	38.4	LT	BOC
W	2+84.84	23.2	LT	PC BOC
X	2+85.73	18.4	LT	PT BOC
Y	3+44.58	18.5	LT	BOC
Z	3+20.00	45.0	LT	MATCH BOC

ABBREVATION FOR PROPOSED THERMOPLASTIC PAVEMENT MARKERS

- WB4-R40: 4" WIDE BROKEN WHITE PAVEMENT MARKING (10' STRIPE WITH 30' GAP) WITH COH TYPE 'R' RRPM (AT 40' INTERVAL)
- WS4-C-30: 4" SOLID WHITE PAVEMENT MARKING WITH COH TYPE 'C' RRPM (AT 30' INTERVAL)
- WS6-R-40: 6" SOLID WHITE PAVEMENT MARKING WITH COH TYPE 'R' RRPM (AT 40' INTERVAL)
- YSX: X" WIDE SOLID YELLOW PAVEMENT MARKER
- WSX: X" WIDE SOLID WHITE PAVEMENT MARKER

NOTE:
ALL STANDARD AND CUSTOM PROPOSED SIGNS TO BE CONSTRUCTED USING DETAILS PROVIDED IN 'STANDARD HIGHWAY SIGN DESIGN FOR TEXAS'.

AGUIRRE & FIELDS
ENGINEERING INNOVATORS
TBPE FIRM REGISTRATION # 739

AMANI ENGINEERING, INC.
8303 SOUTHWEST FREEWAY
SUITE 600
HOUSTON, TEXAS 77074
TEL: (713) 270-5700
TBPE REG. NO.: F-4528
TBPLS REG. NO.: 100282-00

SURVEYED BY:
AMANI ENGINEERING, INC.
FIELD BOOK NO. P-6115

STATE OF TEXAS
DANIEL P. SIMEONE
58194
LICENSED
PROFESSIONAL ENGINEER
4/30/19

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

BRAZOS BRIDGE OVER SMITH ST. AND HOLMAN ST. (DECK SLAB REPL)

SMITH STREET IMPROVEMENTS

SITE PLAN (SHEET 1 OF 2)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
N-320445-0006-4	ACCEPTED 64016 CITY DRAWING NUMBER
DRAWING SCALE	
1"=20'	
CITY OF HOUSTON PM	
SUDARSHAN GOUNI, PE	
SHEET NO. 33 OF 107	

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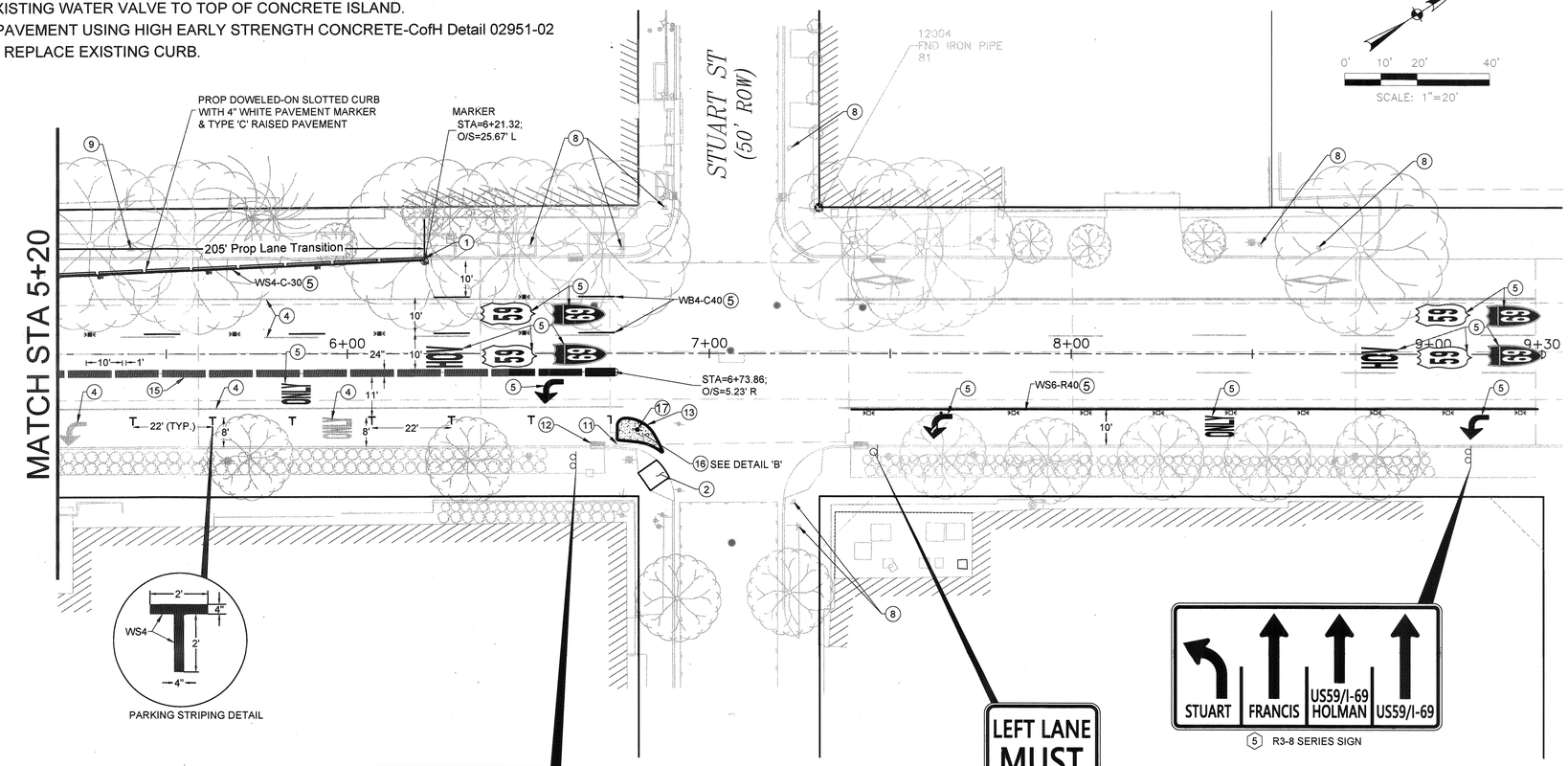
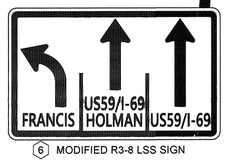
⑲ REMOVE & REPLACE EXISTING CURB.



PARKING STRIPING DETAIL

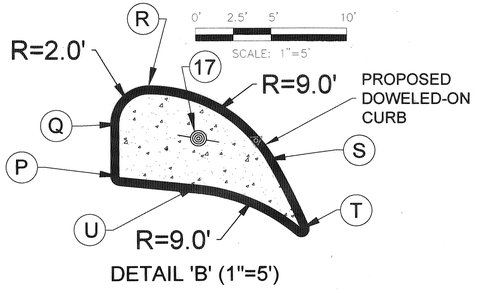


⑥ MODIFIED R3-8 LSS SIGN



④ R03-07L

⑤ R3-8 SERIES SIGN



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E	4+27.96	8.0	RT	PC BOC
F	4+40.78	15.7	RT	PCC BOC
G	4+39.89	17.2	RT	PT BOC
H	4+36.69	17.2	RT	BOC
I	4+71.10	25.7	RT	PC BOC
J	4+72.91	22.1	RT	PCC BOC
K	4+79.51	18.6	RT	PT BOC
L	4+88.08	18.6	RT	BOC
M	4+93.59	24.1	RT	BOC
N	4+83.85	24.1	RT	PC BOC
O	4+73.65	28.1	RT	PCC BOC
P	6+74.80	23.8	RT	BOC
Q	6+74.77	20.2	RT	PC BOC
R	6+76.77	18.2	RT	PCC BOC
S	6+84.54	22.7	RT	PT BOC
T	6+86.85	27.3	RT	PC BOC
U	6+80.00	24.4	RT	PT BOC
V	3+11.70	38.4	LT	BOC
W	2+84.84	23.2	LT	PC BOC
X	2+85.73	18.4	LT	PT BOC
Y	3+44.58	18.5	LT	BOC
Z	3+20.00	45.0	LT	MATCH BOC

NOTE:
ALL STANDARD AND CUSTOM PROPOSED SIGNS TO BE CONSTRUCTED USING DETAILS PROVIDED IN 'STANDARD HIGHWAY SIGN DESIGN FOR TEXAS'.

ABBREVATION FOR PROPOSED THERMOPLASTIC PAVEMENT MARKERS

WB4-R40: 4" WIDE BROKEN WHITE PAVEMENT MARKING (10' STRIPE WITH 30' GAP) WITH COH TYPE 'R' RRPM (AT 40' INTERVAL)
WS4-C-30: 4" SOLID WHITE PAVEMENT MARKING WITH COH TYPE 'C' RRPM (AT 30' INTERVAL)
WS6-R-40: 6" SOLID WHITE PAVEMENT MARKING WITH COH TYPE 'R' RRPM (AT 40' INTERVAL)
YSX: X" WIDE SOLID YELLOW PAVEMENT MARKER
WSX: X" WIDE SOLID WHITE PAVEMENT MARKER

AGUIRRE & FIELDS
ENGINEERING INNOVATORS
TBPE FIRM REGISTRATION # 739

AMANI ENGINEERING, INC.
8303 SOUTHWEST FREEWAY
SUITE 600
HOUSTON, TEXAS 77074
TEL: (713) 270-5700
TBPE REG. NO.: F-4528
TBPLS REG. NO.: 100282-00

SURVEYED BY:
AMANI ENGINEERING, INC.
FIELD BOOK NO. P-6115

STATE OF TEXAS
DANIEL P SIMEONE
58194
LICENSED PROFESSIONAL ENGINEER
4/30/19

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

BRAZOS BRIDGE OVER SMITH ST. AND HOLMAN ST. (DECK SLAB REPL)

SMITH STREET IMPROVEMENTS

SITE PLAN (SHEET 2 OF 2)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
N-320445-0006-4	ACCEPTED AND APPROVED 64016 CITY DRAWING NUMBER
DRAWING SCALE	
1'=20'	
CITY OF HOUSTON PM	
SUDARSHAN GOUNI, PE	
SHEET NO. 34 OF 107	