11th Street Safety Improvements

Houston Bikeways Public Meeting
Wednesday, May 8 2019

Ian Hlavacek – HPW Jennifer Ostlind – PDD Lauren Grove - PDD

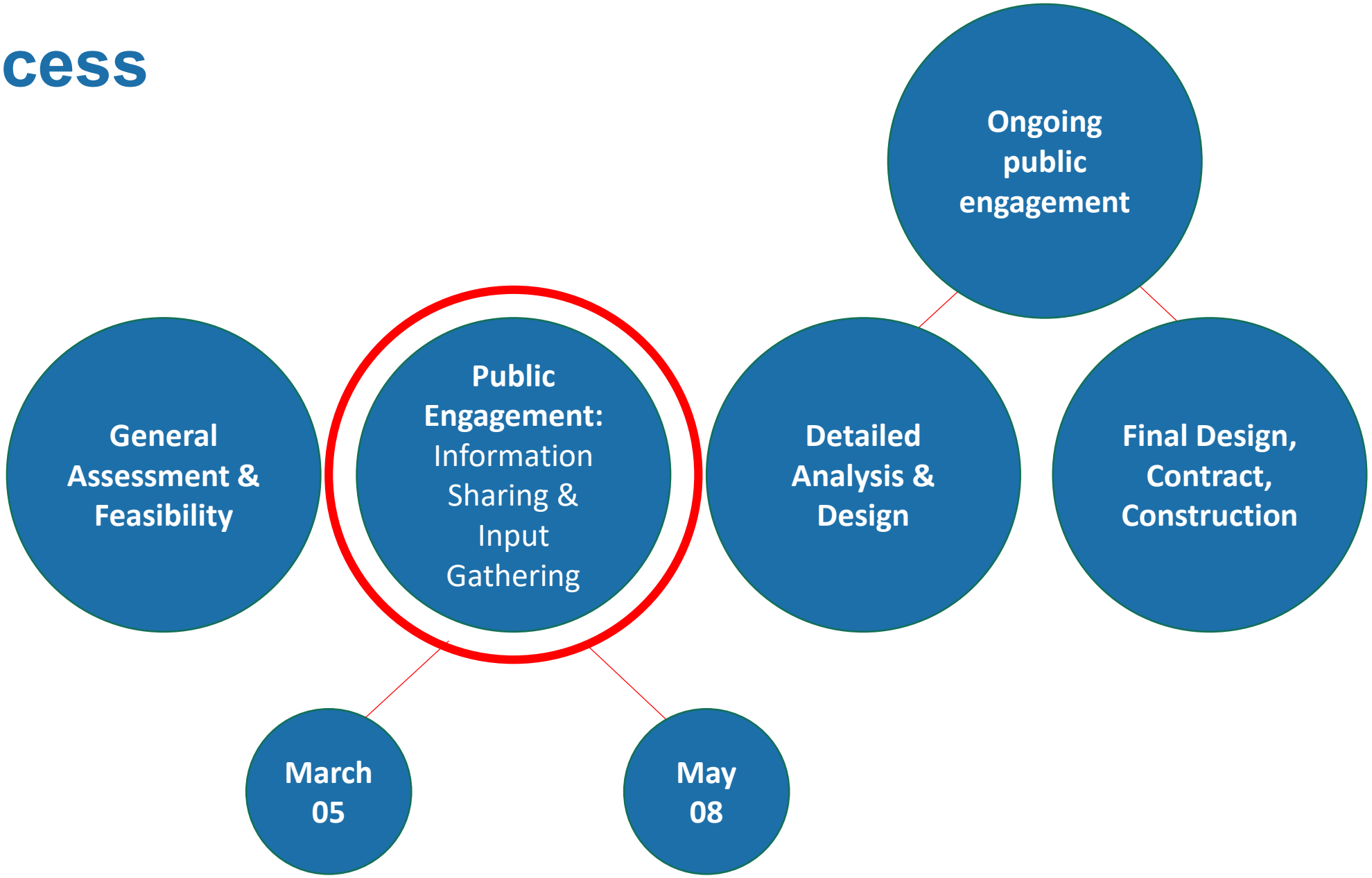
PLANNING & DEVELOPMENT DEPARTMENT

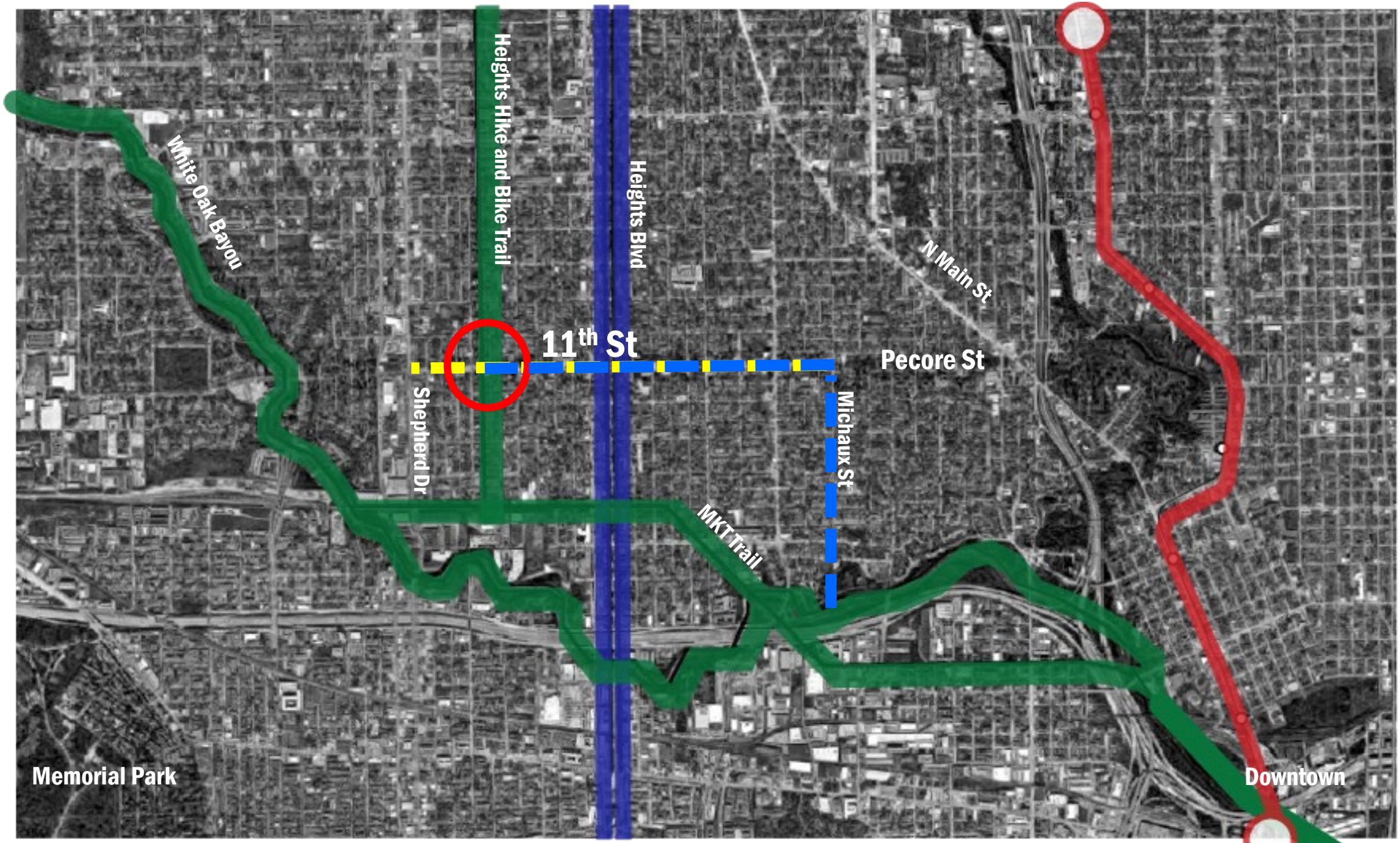
HOUSTON PUBLIC WORKS

Meeting Overview

- Process & project description
- What we have heard
- Solutions to address what we have heard
- Audience Input

Process


Ongoing public engagement
General Assessment & Feasibility
Public Engagement: Information Sharing & Input Gathering
Detailed Analysis & Design
Final Design, Contract, Construction
March 05
May 08


Heights Hike and Bike Trail
Heights Blvd
White Oak Bayou
N Main St
11th St
Pecore St
Shepherd Dr
Michaux St
MKT Trail
Memorial Park
Downtown

11th @ Nicholson

In May 2018…

Chron

https://www.chron.com/news/houston-texas/houston/article/Houston-officials-to-find-fix-most-dangerous-12926421.php

Houston officials to find, fix most dangerous intersections after several fatal bike crashes

By Samantha Ketterer Updated 4:15 pm CDT, Friday, May 18, 2018

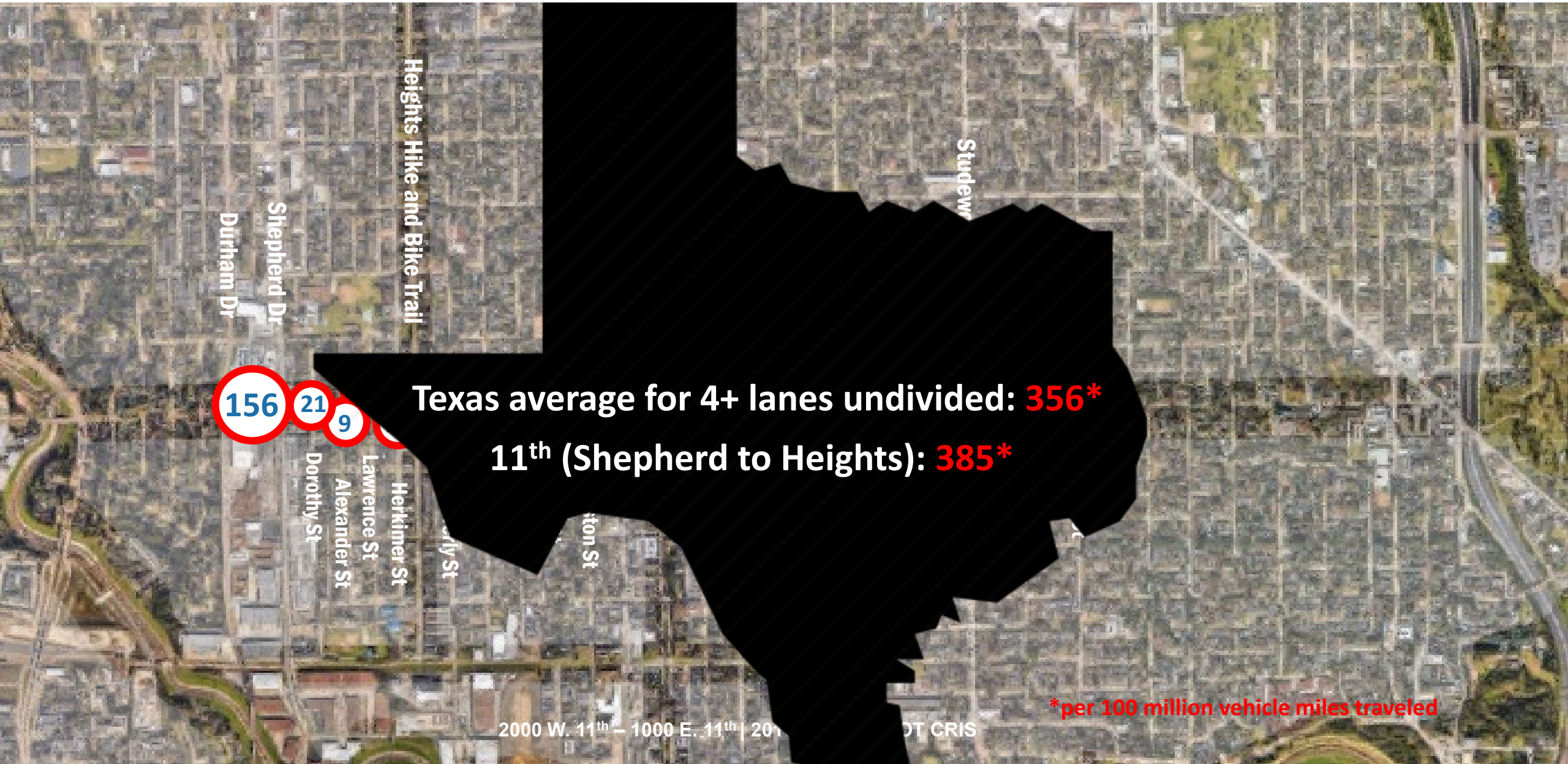
The Road Safety Audit Team

- Federal Highway Administration (FHWA)
- Houston Public Works
- Houston Police Department
- Texas Department of Transportation (TxDOT)
- Houston METRO
- BikeHouston
- LINK Houston

Safety concerns on 11th

- Difficult to cross @ Nicholson
- Difficult to cross
- Speeding cars
- Swerving cars
- Difficult and dangerous for people walking and biking
- Feels unsafe for all road users

516 crashes reported to HPD



Road Safety Audit recommendation

Office of Safety

Proven Safety Countermeasures

Safe Roads for a Safer Future
Investment in roadway safety saves lives

Road Diets
(Roadway Reconfiguration)

Road Before

Road After

SAFETY BENEFIT:

4-Lane → 3-Lane

Road Diet Conversions

19-47%

Reduction in total crashes

Source: *Evaluation of Lane Reduction "Road Diet" Measures on Crashes*, FHWA-HRT-10-053.

https://safety.fhwa.dot.gov/provencountermeasures/road_diets/

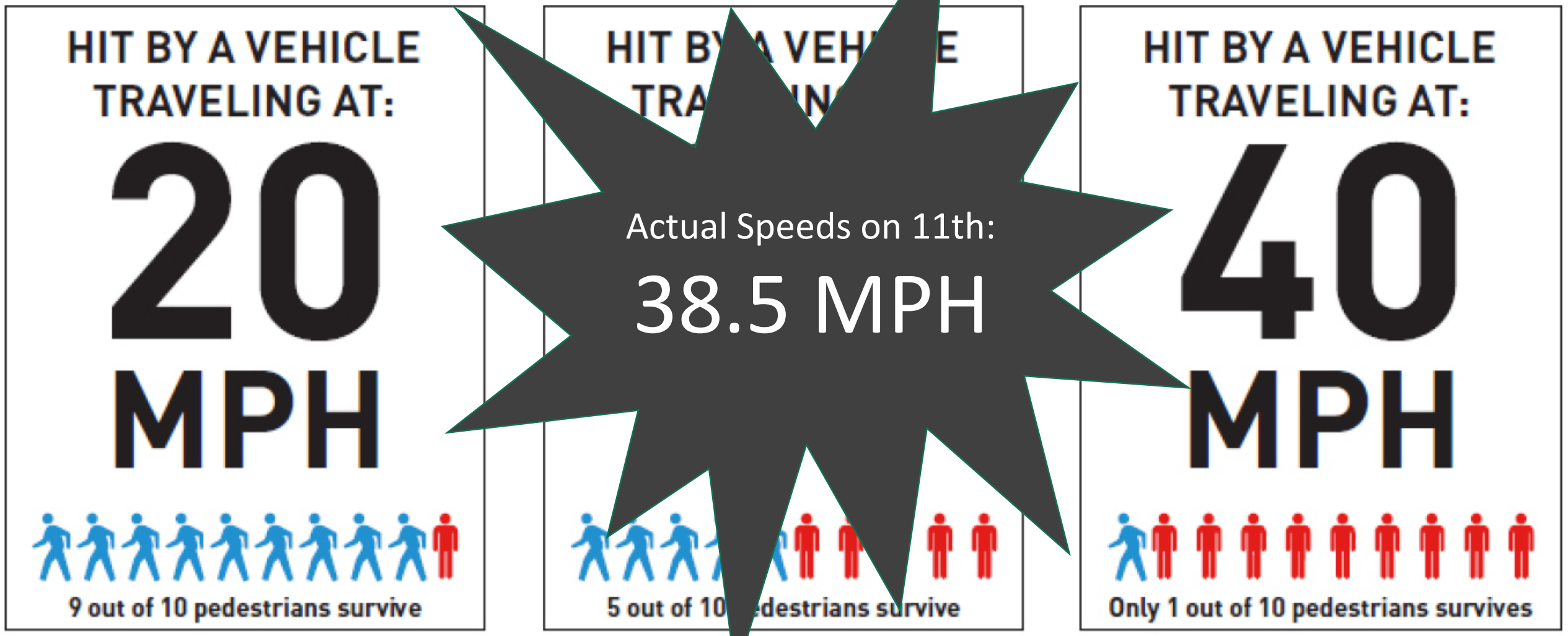
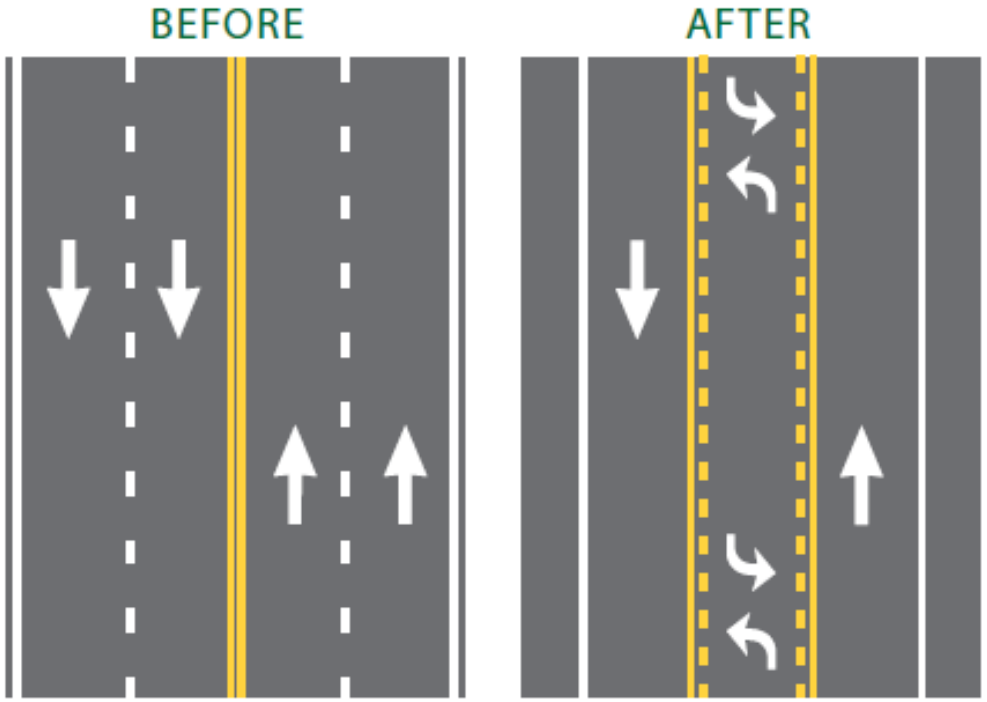


Figure 9: Chance of pedestrian fatality at various impact speeds (Seattle DOT)

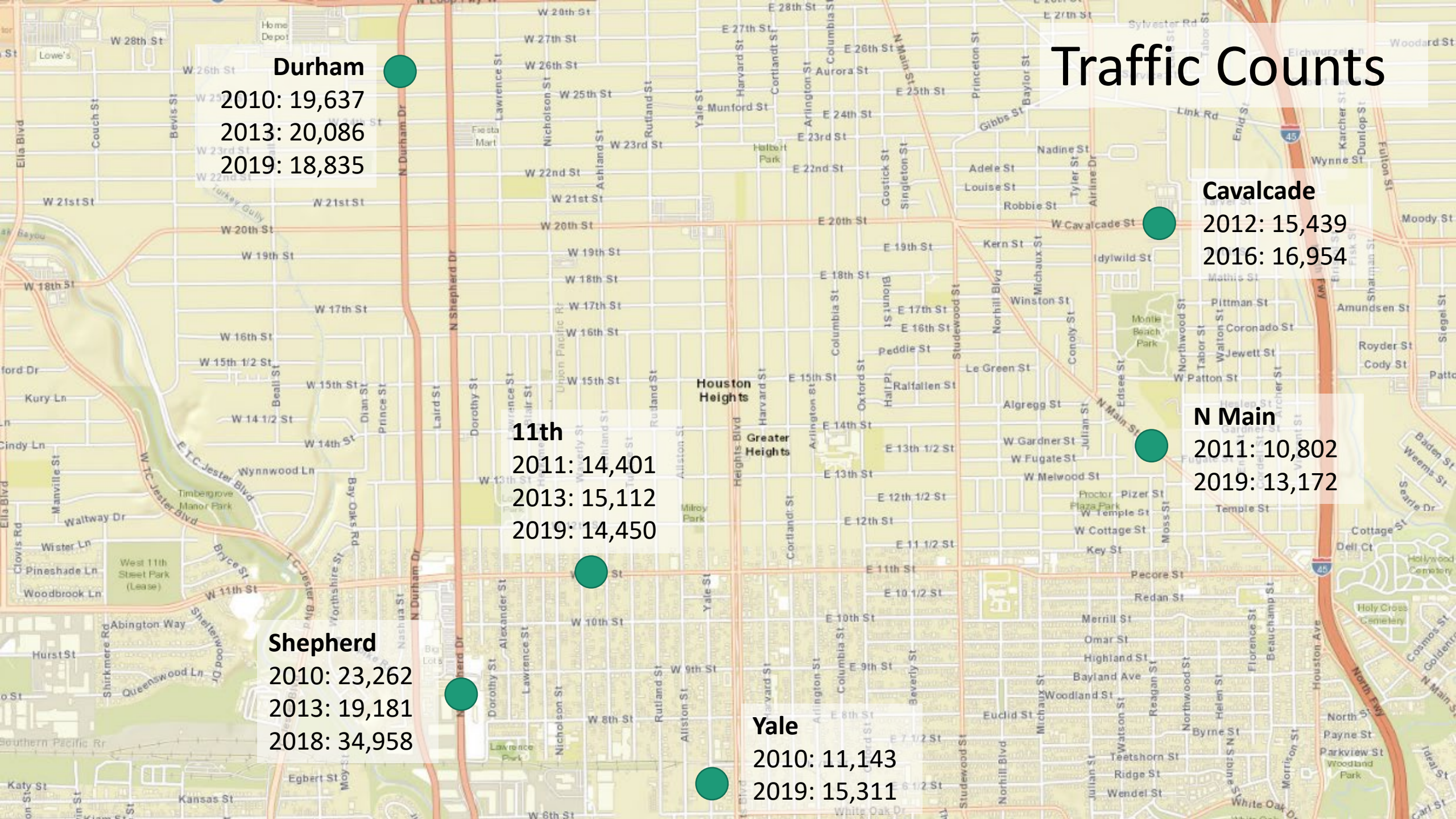


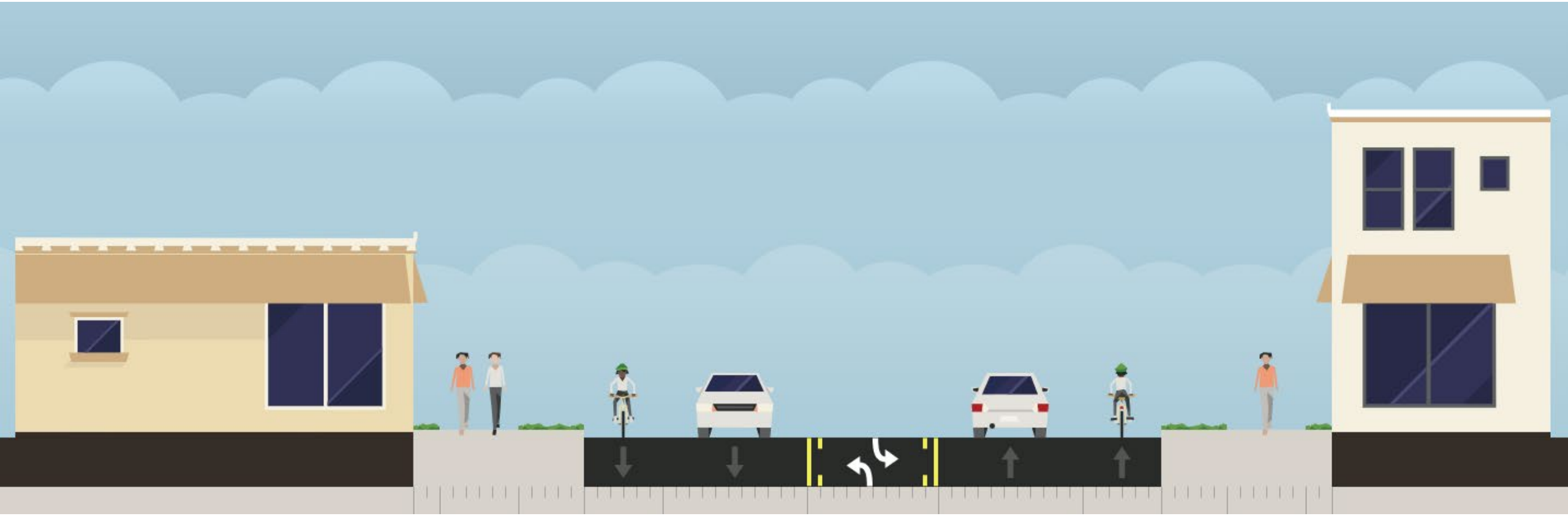
11th Street Traffic (2019)

14,450

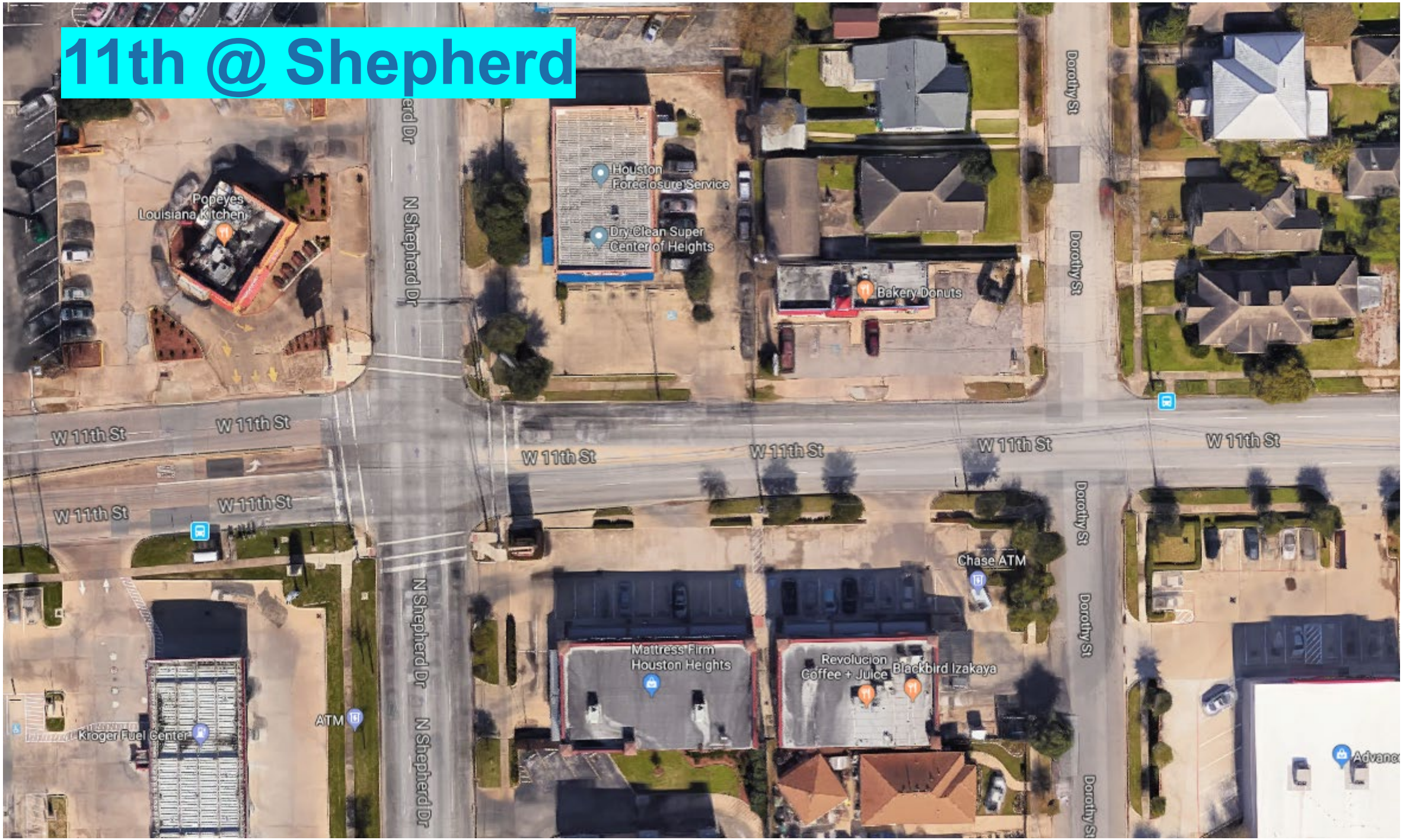
LOCATION	STREET	TRAFFIC BEFORE	TRAFFIC AFTER
Covington, WA	State Road 516	29,900	32,800
East Lansing, MI	Grand River Boulevard	23,000	23,000
San Francisco, CA	Valencia Street	22,200	20,000
Oakland, CA	High Street	22,000	24,000
Toronto, ON	Danforth	22,000	22,000
Charlotte, NC	East Boulevard	21,400	18,400
Orlando, FL	Edgewater Drive	20,500	21,000
Santa Monica, CA	Main Street	20,000	18,000
Ramsey, MN	Rice Street	18,700	16,400
Bellevue, WA	Montana Street	18,500	18,500
Reno, NV	South Well Avenue	18,000	17,500
Helena, MT	U.S. 12	18,000	18,000
San Leandro, CA	East 14th Street	17,700	16,700
Duluth, MN	21st Avenue East	17,000	17,000
Bellevue, WA	120th Avenue, NE	16,900	16,900
East Lansing, MI	Abbott Road	15,000	21,000
Toronto, ON	St. George Street	15,000	15,000
Lewistown, PA	Electric Avenue	13,000	14,500

Traffic Counts

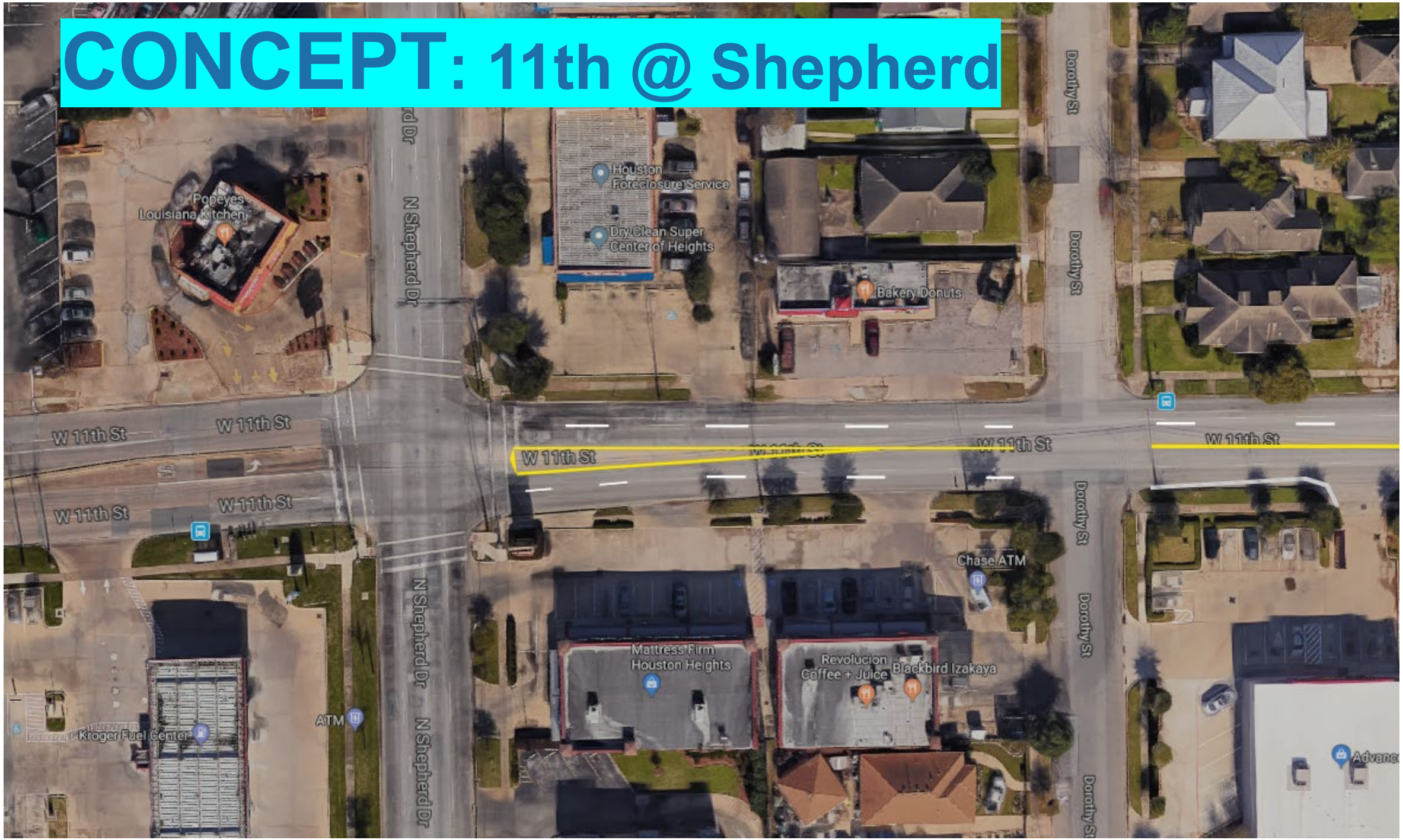




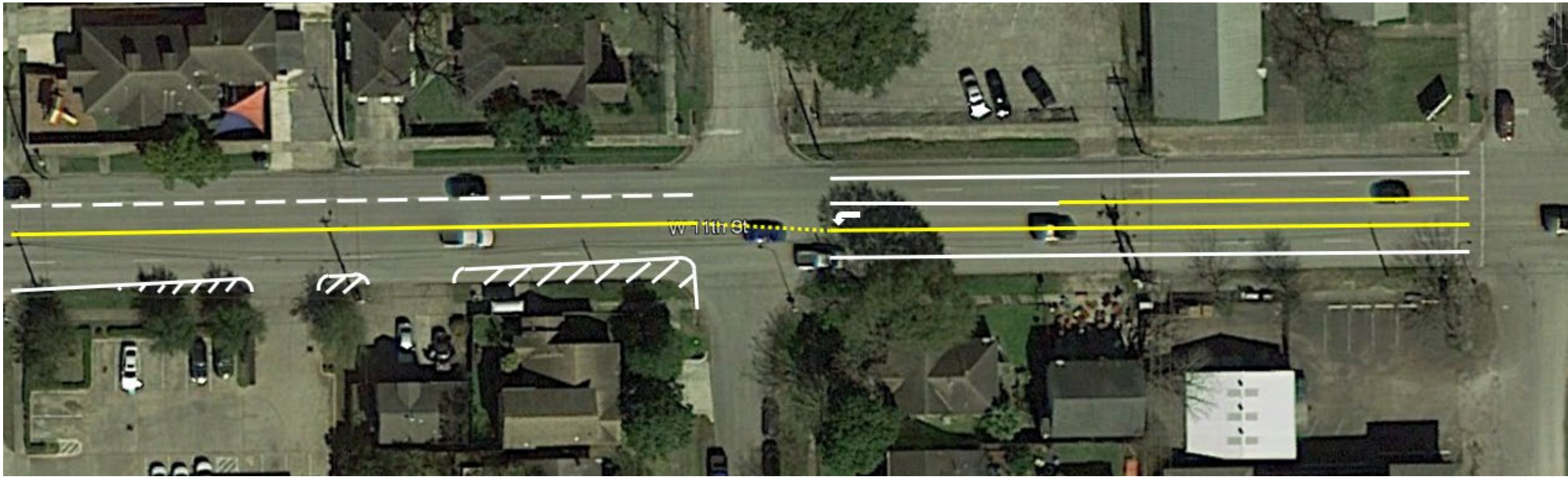
11th @ Shepherd



CONCEPT: 11th @ Shepherd



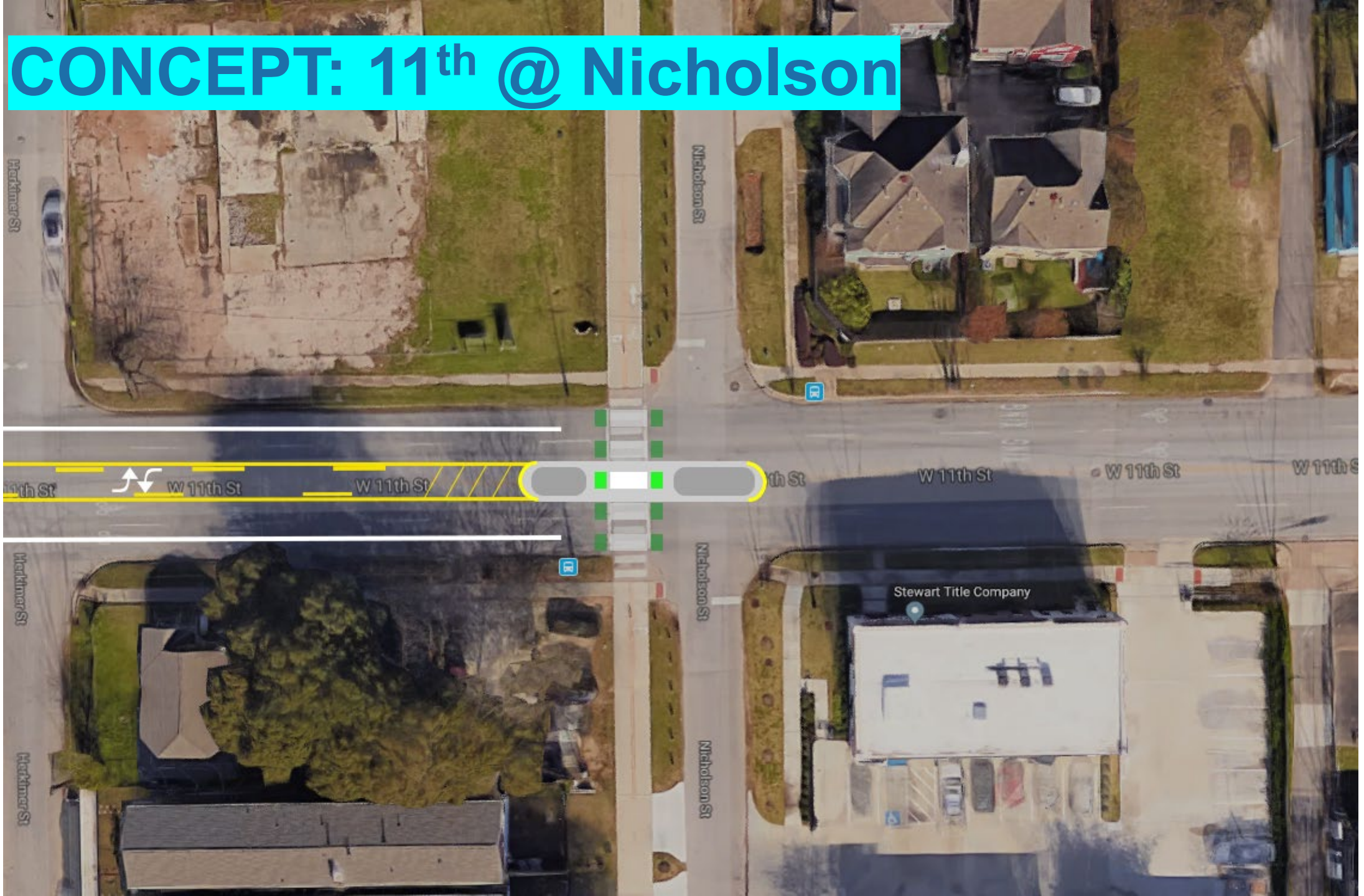
CONCEPT: 11th @ Shepherd

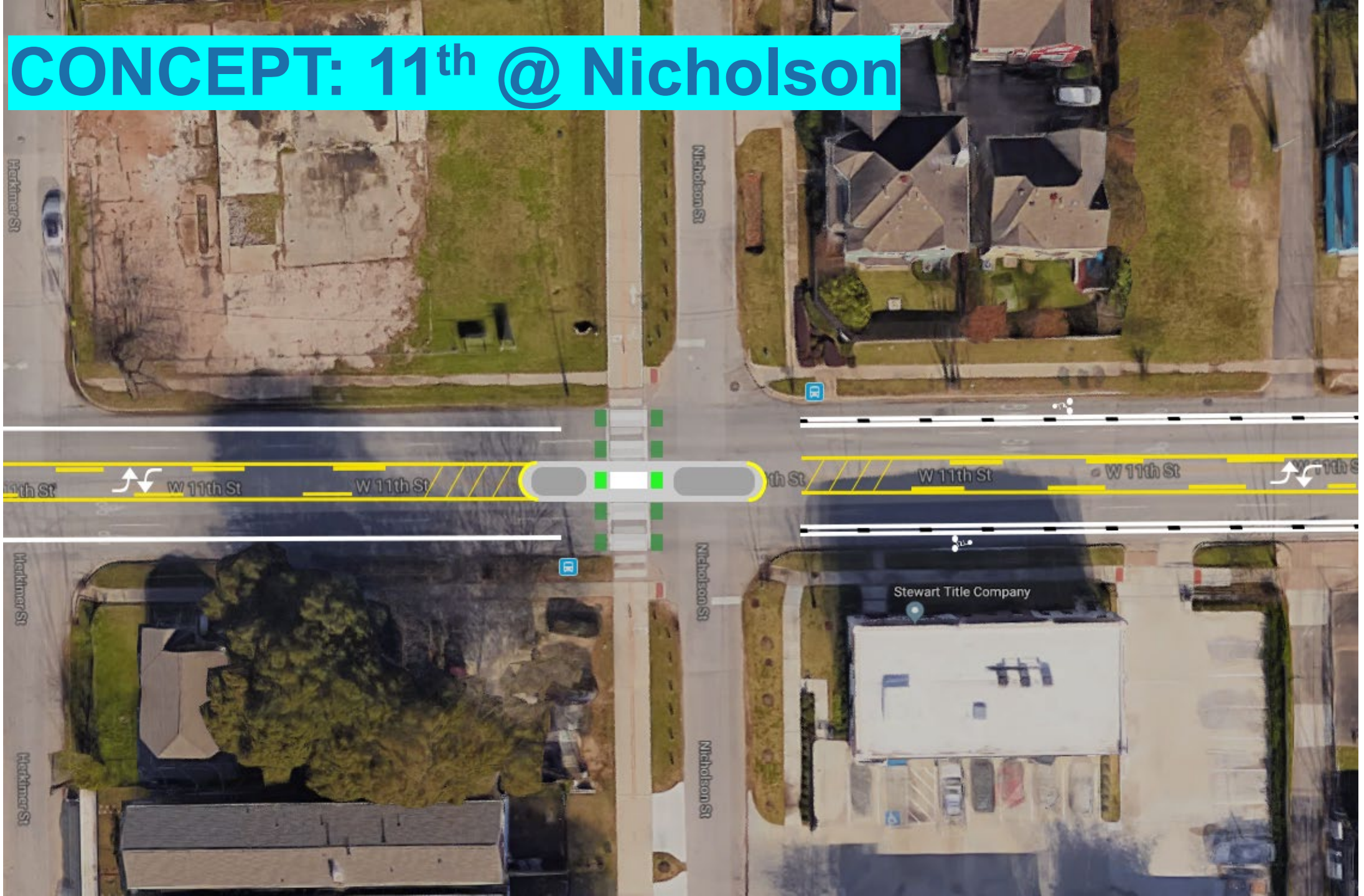


CONCEPT: 11th @ Shepherd – Nicholson

CONCEPT: 11th @ Nicholson

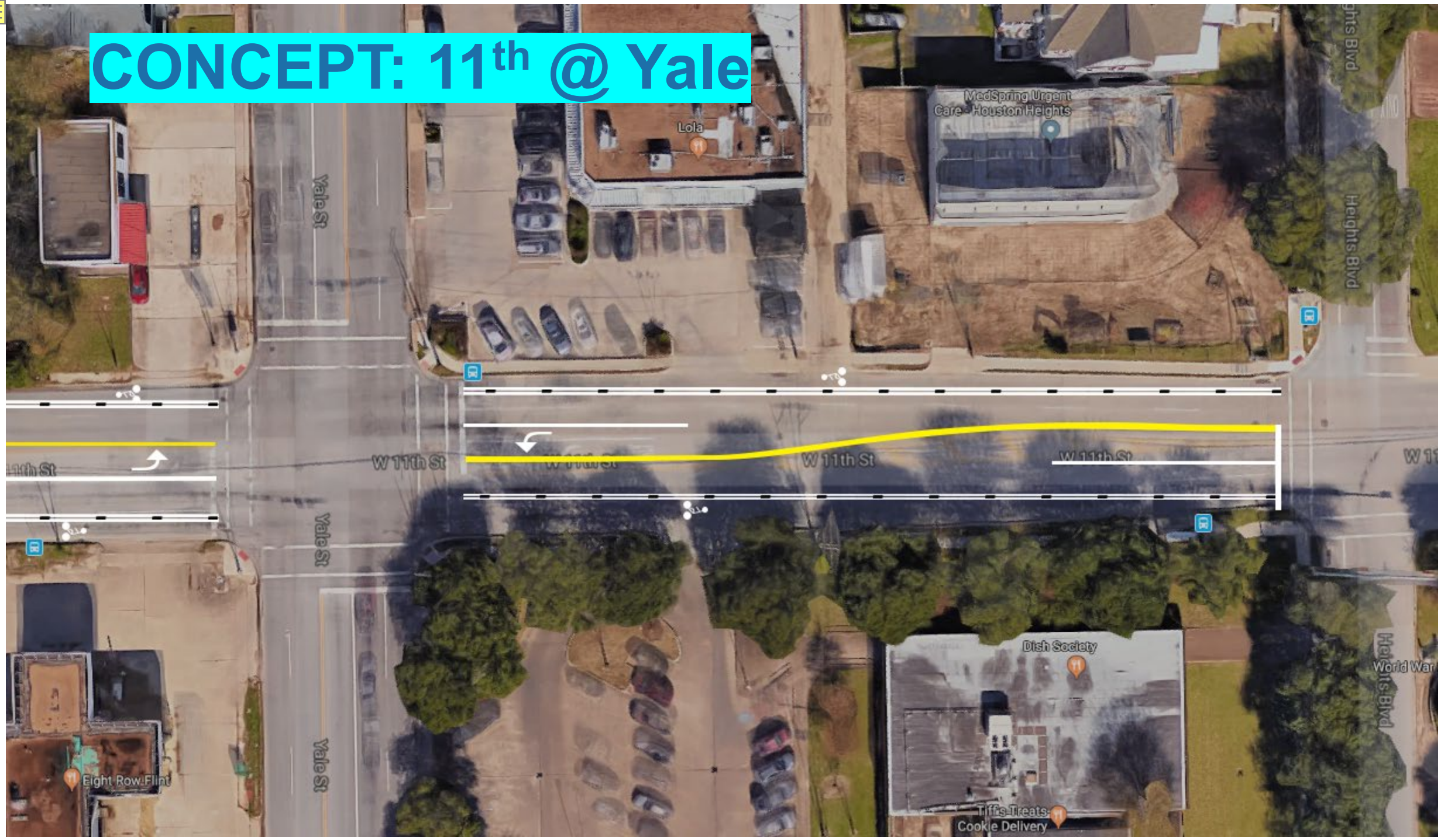
CONCEPT: 11th @ Nicholson
Harkimer St
Nicholson St
W 11th St
W 11th St
W 11th St
W 11th St
W 11th St
Stewart Title Company

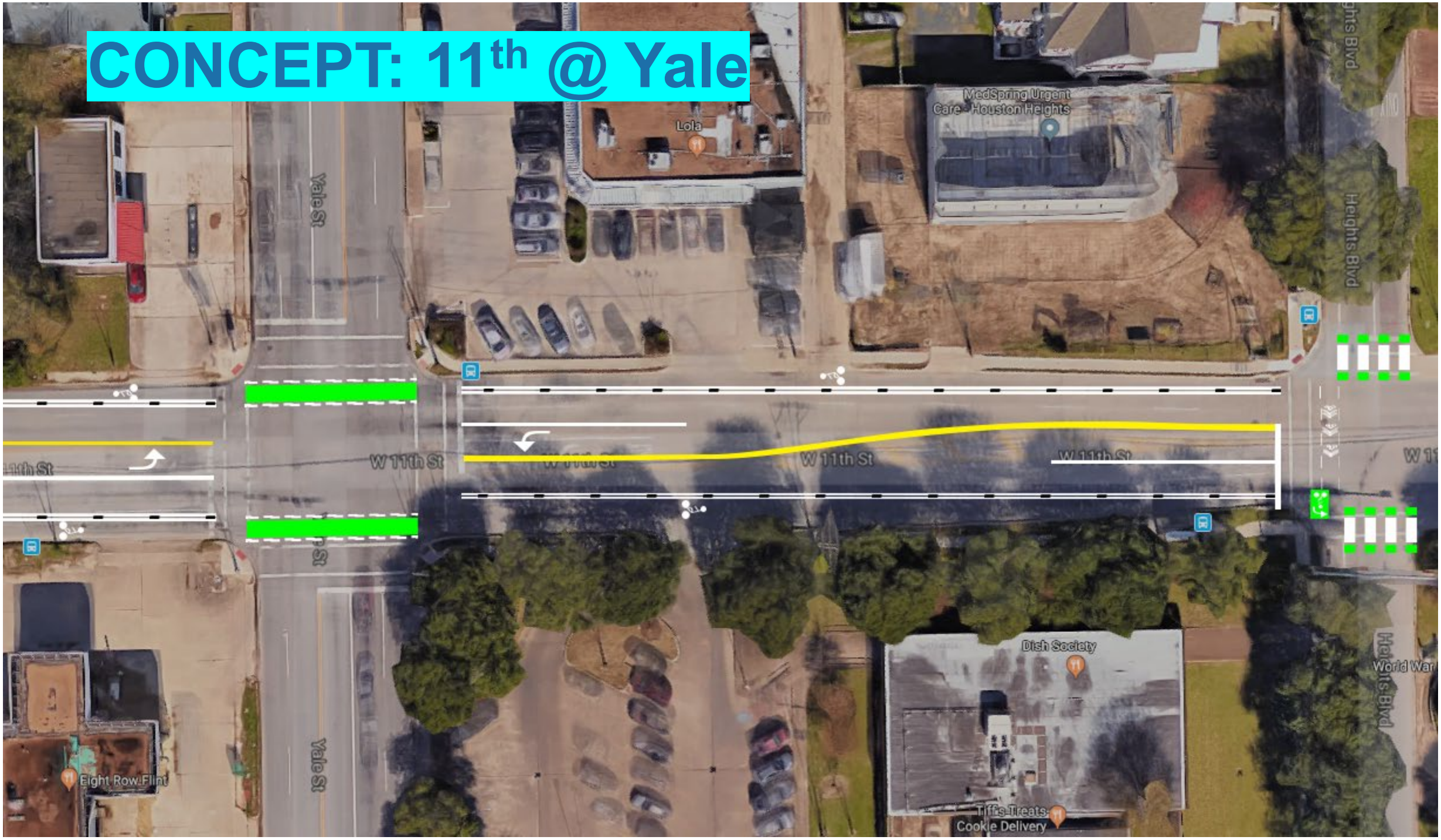

CONCEPT: 11th @ Nicholson
Harkimer St
Nicholson St
W 11th St
W 11th St
W 11th St
Stewart Title Company


CONCEPT: 11th @ Nicholson
Harkimer St
Nicholson St
W 11th St
W 11th St
W 11th St
W 11th St
Stewart Title Company

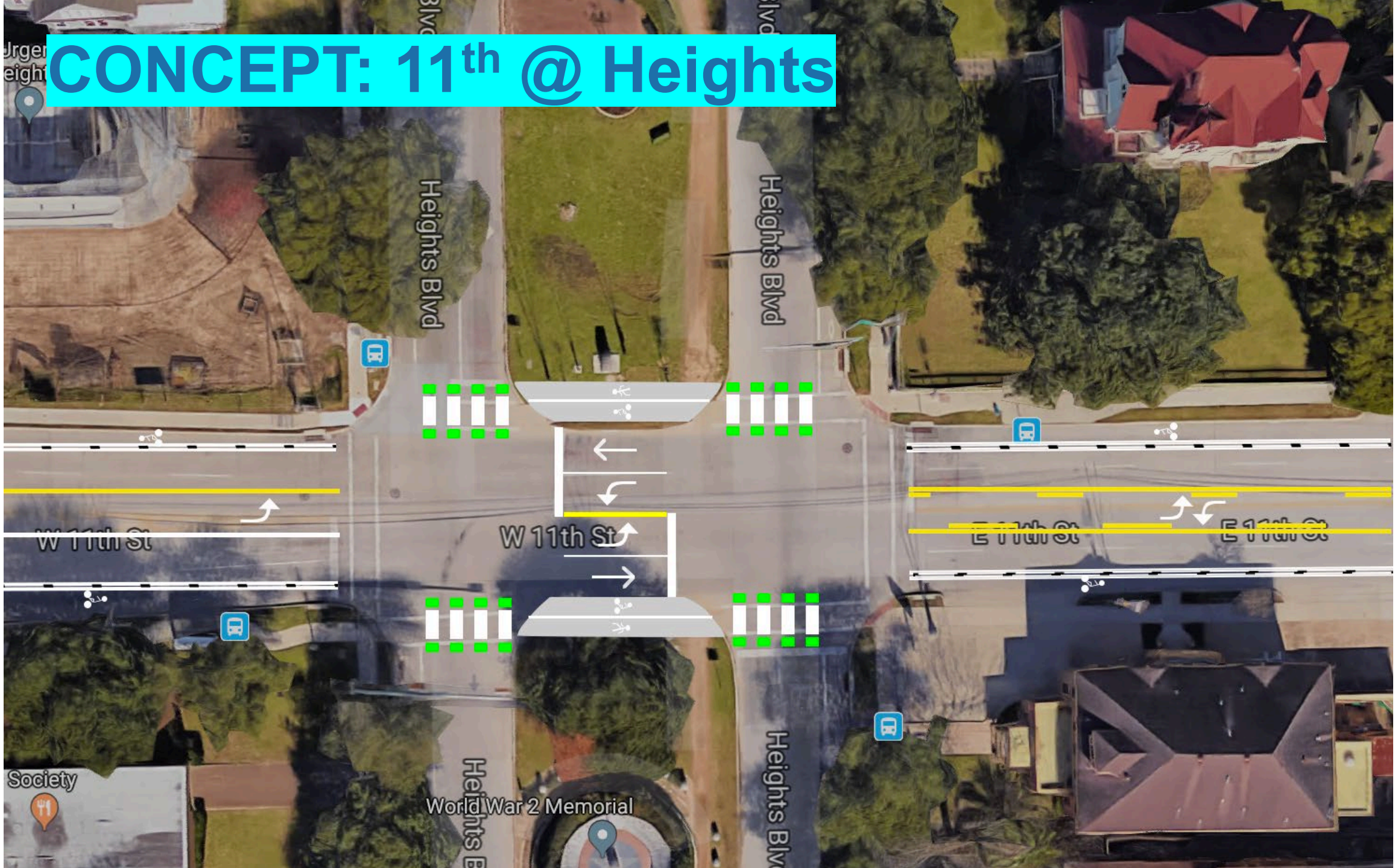
CONCEPT: 11th @ Nicholson

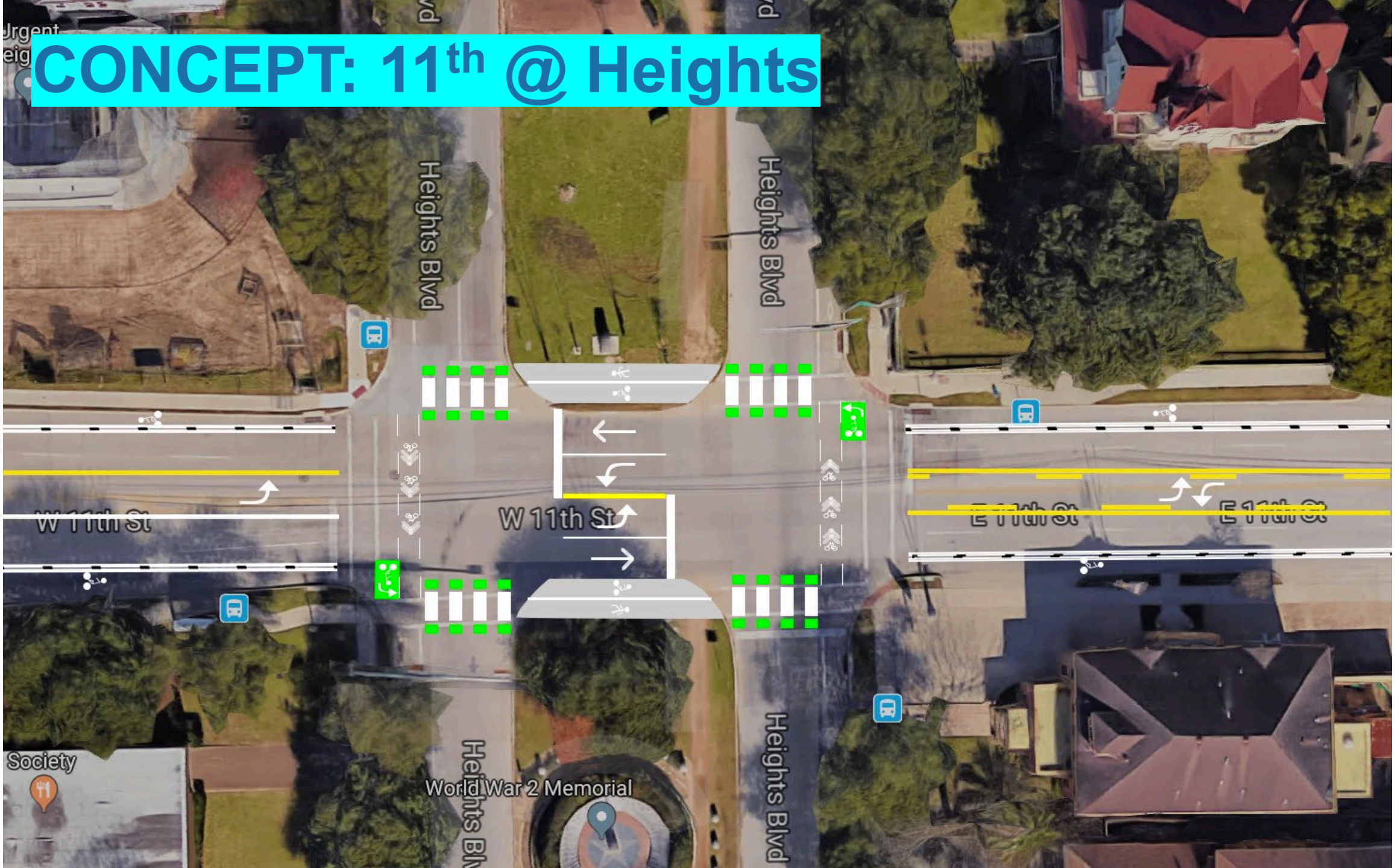
11th @ Yale
Lola
MedSpring Urgent Care - Houston Heights
Yale St
Heights Blvd
W 11th St
Dish Society
Eight Row Flint
Tiffs Treats Cookie Delivery

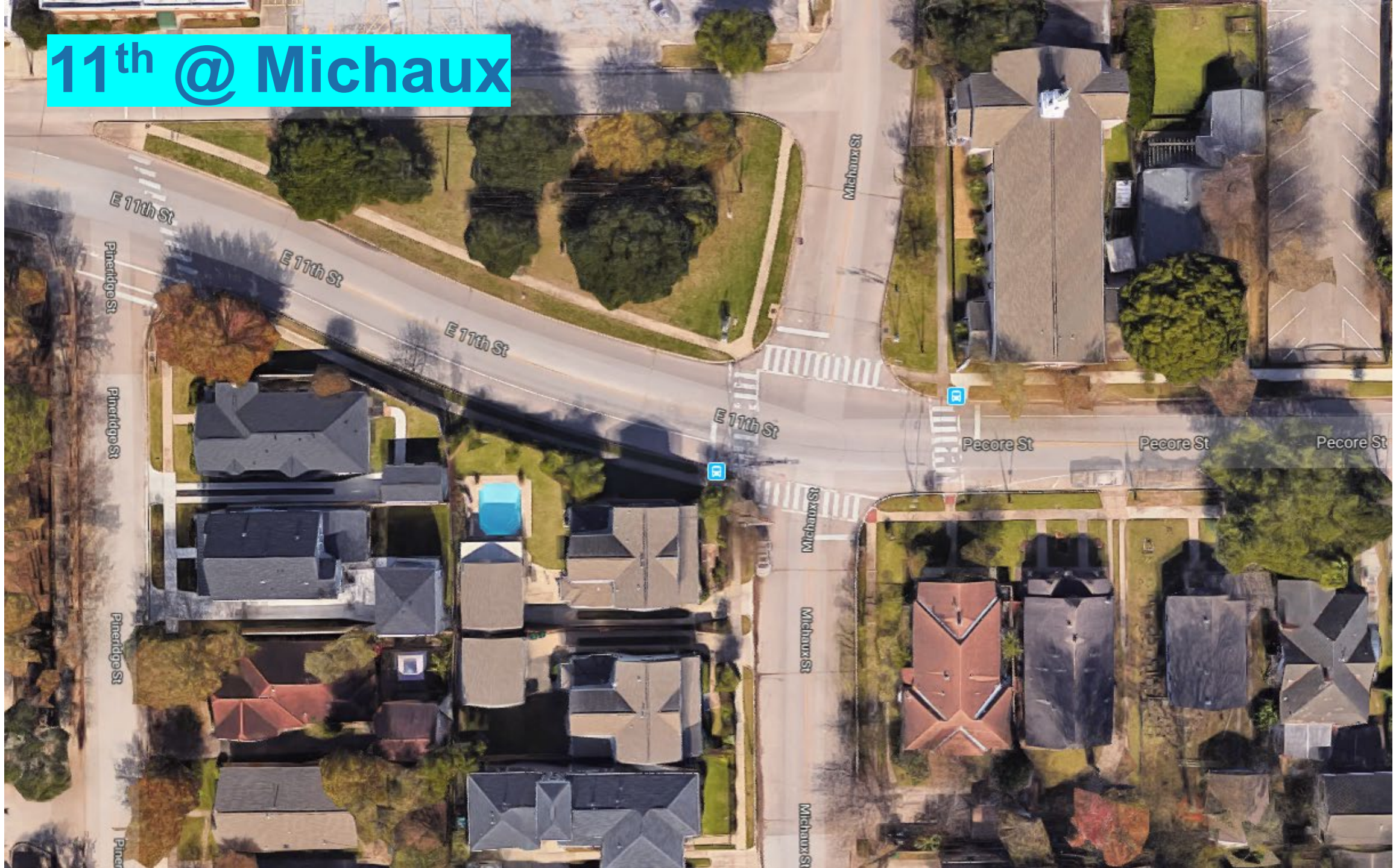

CONCEPT: 11th @ Yale
Lola
MedSpring Urgent Care - Houston Heights
Yale St
Heights Blvd
W 11th St
Dish Society
Eight Row Flint
Tiffs Treats Cookie Delivery


CONCEPT: 11th @ Yale
Lola
MedSpring Urgent Care - Houston Heights
Yale St
Heights Blvd
W 11th St
Dish Society
Eight Row Flint
Tiffs Treats Cookie Delivery

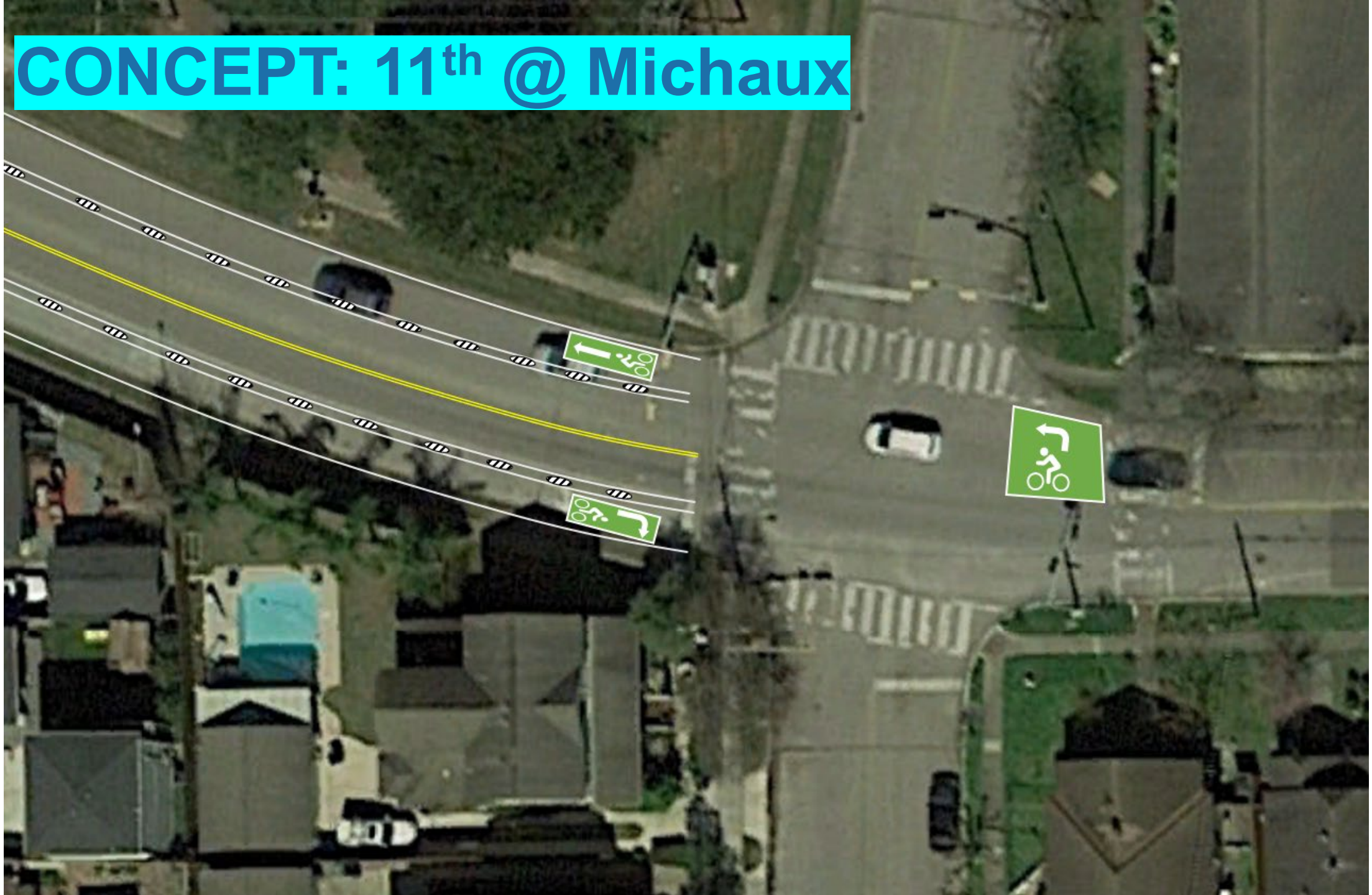
CONCEPT: 11th @ Heights
Heights Blvd
Heights Blvd
W 11th St
W 11th St
E 11th St
E 11th St
Society
World War 2 Memorial
Heights Blvd


CONCEPT: 11th @ Heights
Heights Blvd
Heights Blvd
W 11th St
W 11th St
E 11th St
E 11th St
Society
World War 2 Memorial
Heights Blvd


CONCEPT: 11th @ Heights
Heights Blvd
Heights Blvd
W 11th St
W 11th St
E 11th St
E 11th St
Heights Blvd
Heights Blvd
World War 2 Memorial
Society


11th @ Michaux
E 11th St
E 11th St
E 11th St
E 11th St
Pineridge St
Pineridge St
Pineridge St
McHenry St
McHenry St
Michaux St
Michaux St
Pecore St
Pecore St
Pecore St

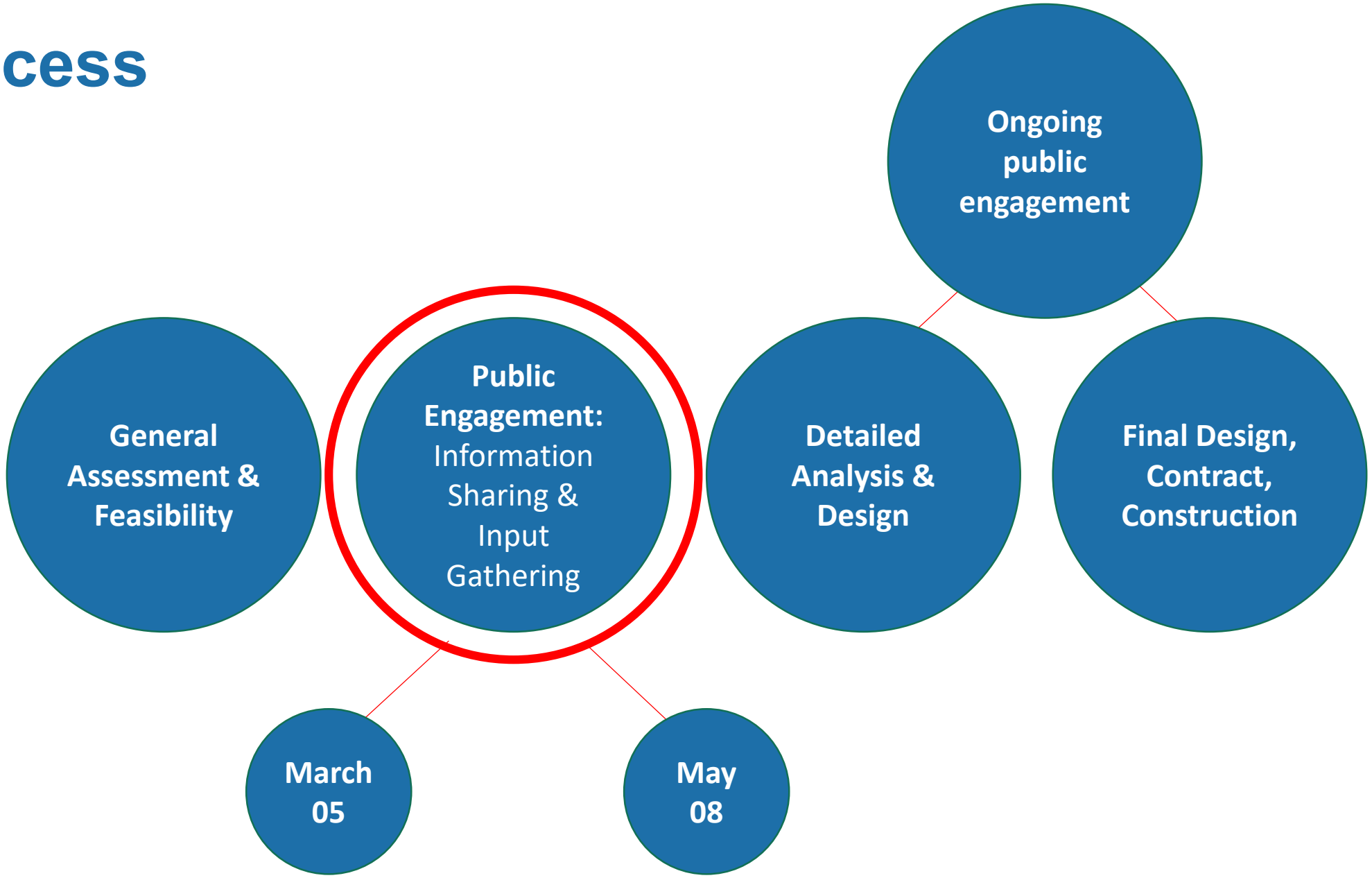
CONCEPT: 11th @ Michaux



This project

- Accommodates **existing and future traffic**
- **Will not divert traffic** to side streets
- **Serves driveways** and cross streets effectively
- **Reduces traffic speed**
- Decrease **unsafe driving** maneuvers (e.g. swerving)
- Increase safety for people **crossing 11th**
- Increase safety for people on the **Nicholson Trail**
- Introduces a safe east-west **bicycling facility**
- Improves safety for people **walking along 11th**

Process


Ongoing public engagement
General Assessment & Feasibility
Public Engagement: Information Sharing & Input Gathering
Detailed Analysis & Design
Final Design, Contract, Construction
March 05
May 08

Contact Info and Resources

Houston Bikeways Program

Houstonbikeplan.org

832-395-2700

bikeways@houstontx.gov

Ian Hlavacek

Houston Public Works

ian.hlavacek@houstontx.gov

832-395-3002

Jennifer Ostlind

Planning and Development Department

Jennifer.ostlind@houstontx.gov

832-393-6569

Lauren Grove

Planning and Development Department

lauren.grove@houstontx.gov

832-393-6550

FHWA:

https://safety.fhwa.dot.gov/provencountermeasures/

4 to 3 Basics:

https://youtu.be/Rs7jHvh7v-4

4 to 3 in Iowa:

https://www.youtube.com/watch?v=naCbw7lwcVw

PLANNING & DEVELOPMENT DEPARTMENT

HOUSTON PUBLIC WORKS