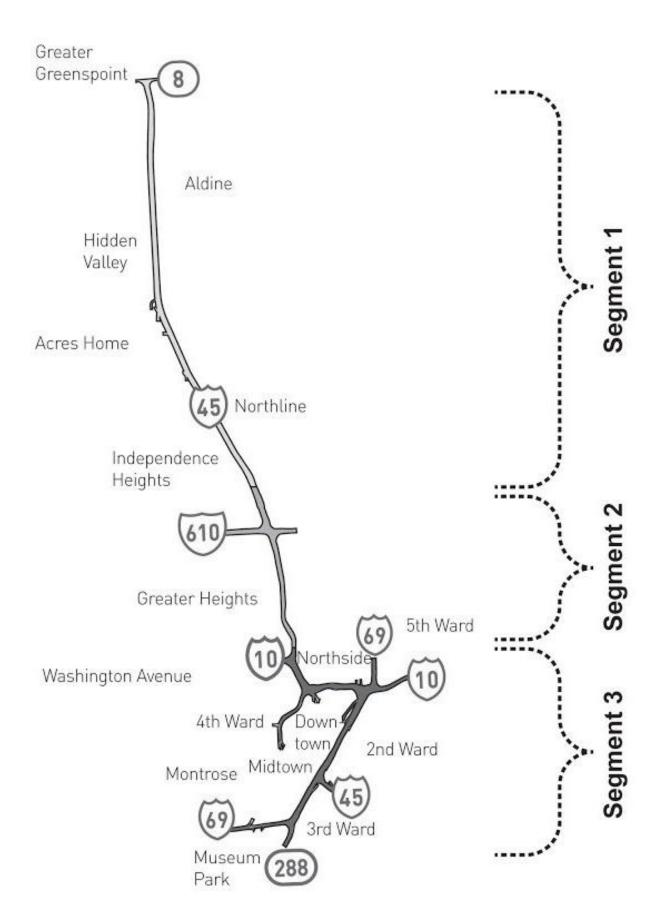
North Houston Highway Improvement Project and Bike Plan Presentation

Peter Eccles

Planning & Development



\$7 billion +
23 miles of highway
Sections of 3 different interstates



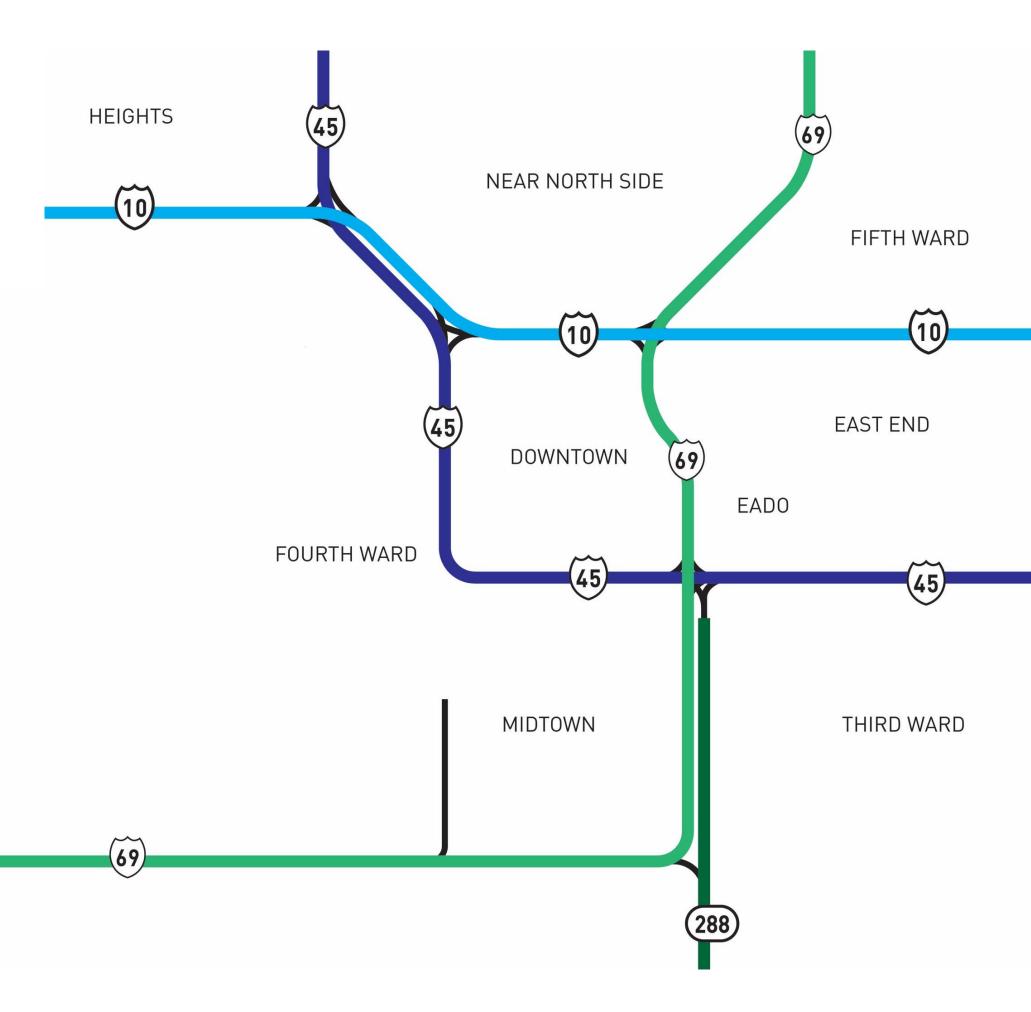
PROJECT NEED

This project is doing 3 different things.

- 1. Realign the freeways around Downtown (Segment 3 only)
- 2. Bring the freeway up to current design standards (all segments)
- 3. Add capacity (all segments)

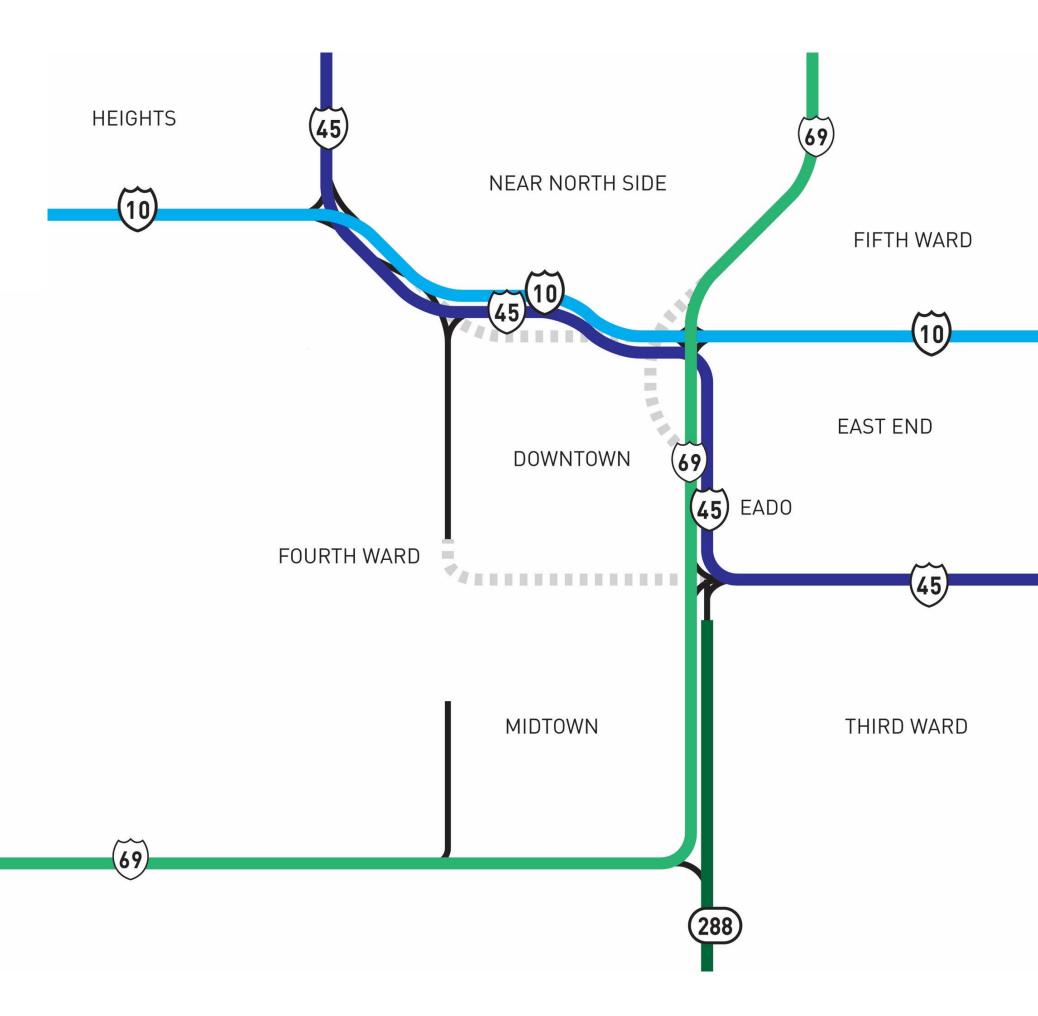
realign

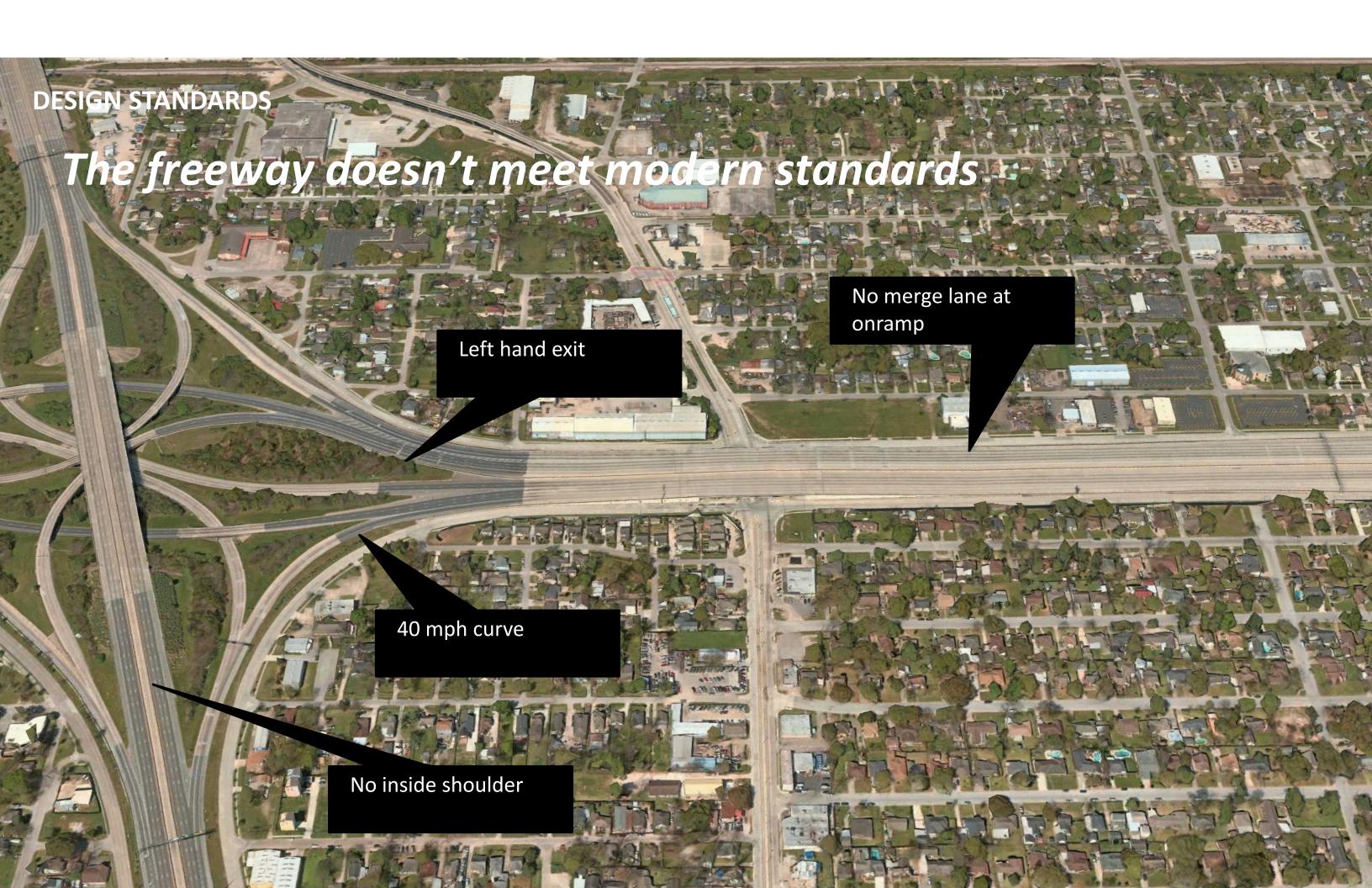
Today



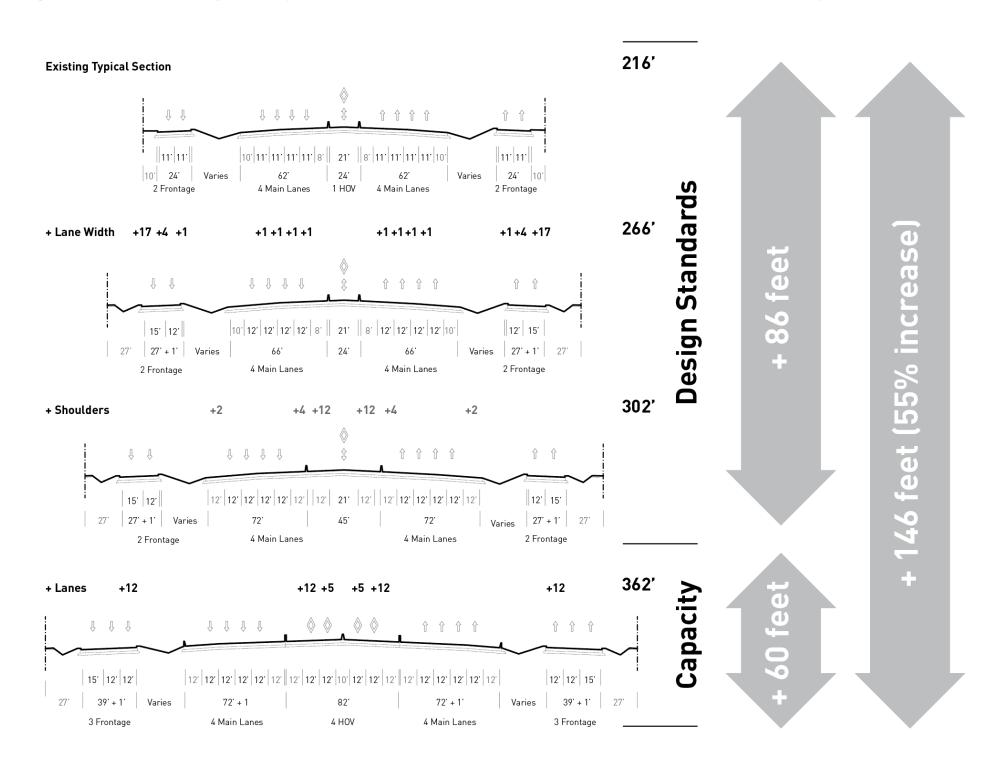
realign

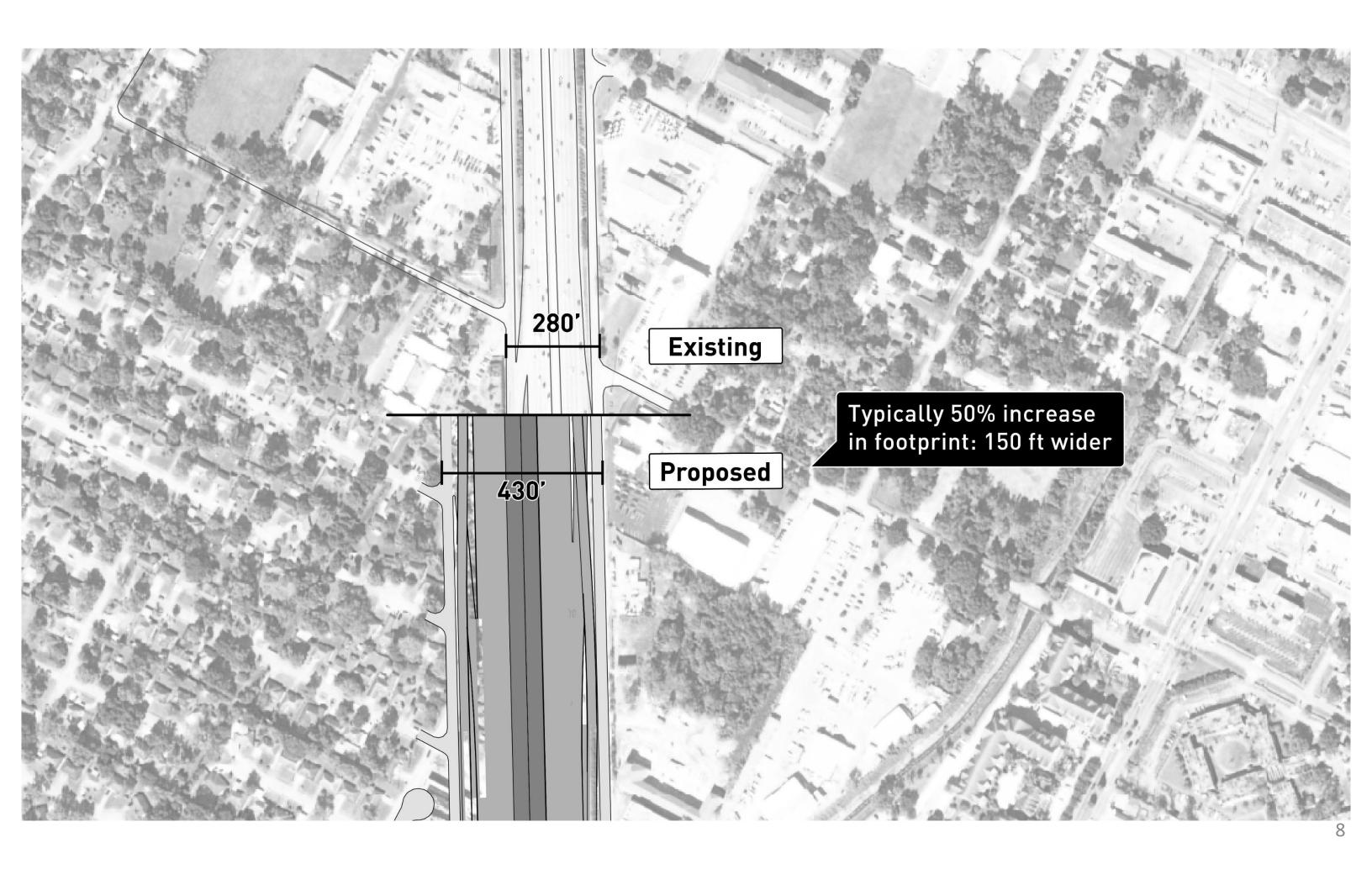
proposed

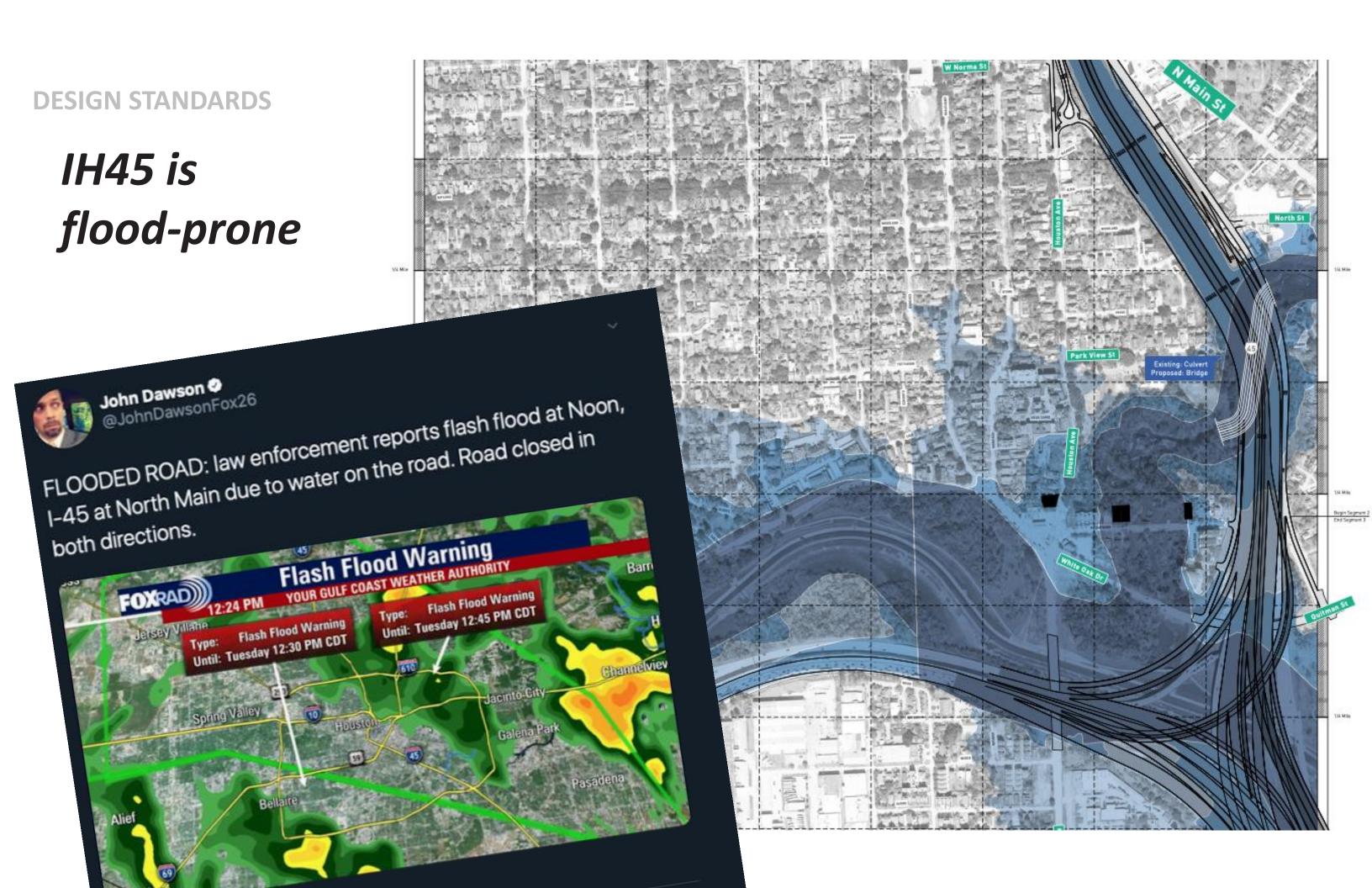




Bringing the freeway up to standards takes space.







City's Facilitation Process

Facilitation Group Forms	Joint COH -TxDOT Public Meetings	Technical Advisors on Board	Segments 1 &2 Community Workshops	Segment 3 Community Workshop	Second Community Workshops	ty to TxDOT		
	•	•	•	•	•			
Apr 2019	Jun 2019	Jul 2019	Aug 2019	Nov 2019	Jan - Feb 2020	Spring 2020		



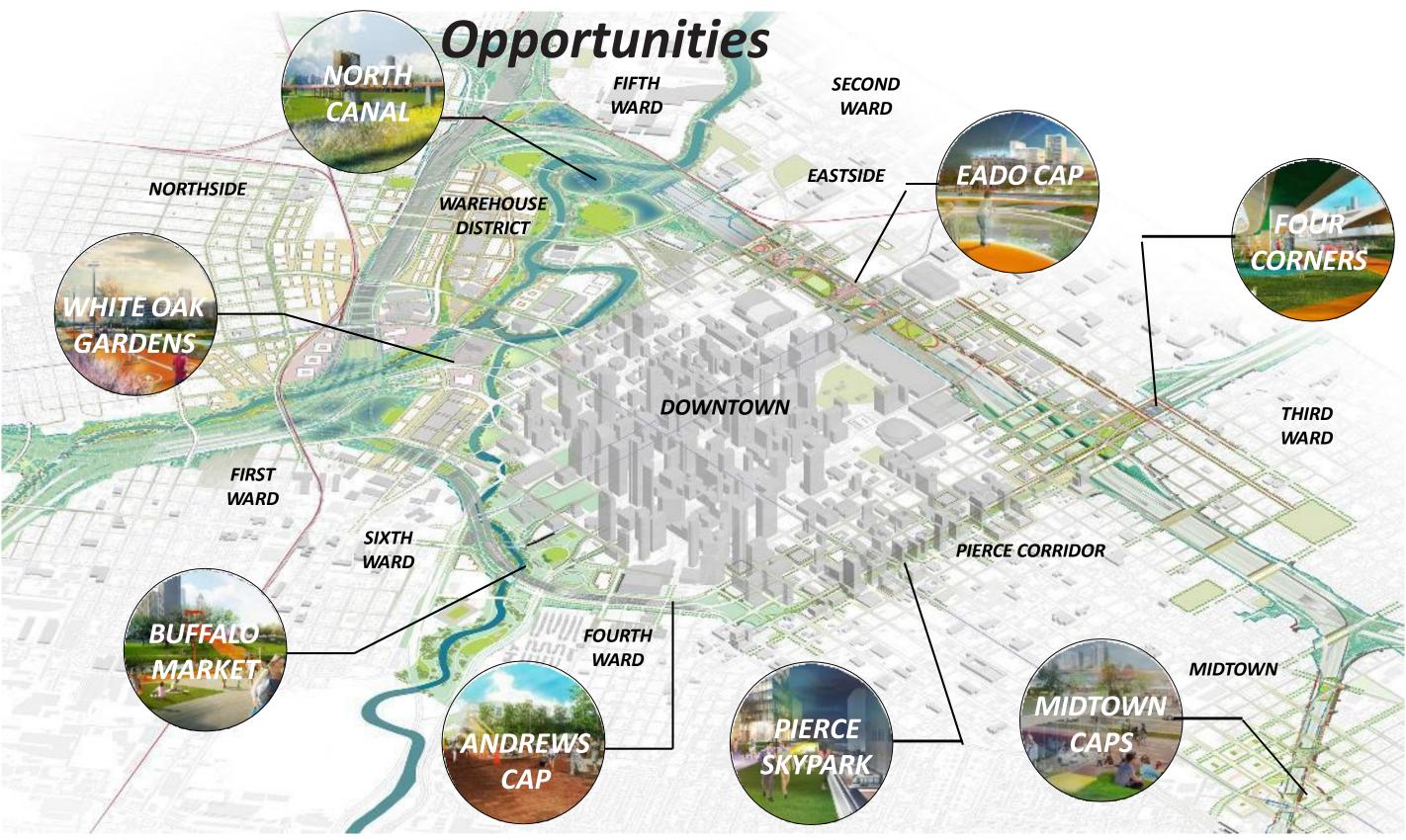




Alt#	Title	TxDOT Proposal	Alt XX.1	Alt XX.2	Alt XX.3	Alt XX.4
01	Capacity	11%	8%	9%	62%	10%
02	Managed/Transit Lane Counts	10%	5%	18%	29%	39%
03	Managed Lane Operations		23%	23%	36%	17%
04	Bus Rapid Transit Alternatives	9%	18%	29%	44%	
05	Bus Rapid Transit at Greenspoint	12%	78%	10%		
06	Bus Rapid Transit at North Main	15%	41%	45%		
07	Bus Rapid Transit at Crosstimbers	12%	36%	9%	42%	
08	Bus Rapid Transit Station at Tidwell	14%	86%			
09	Transit Center at North Shepherd/Little York	8%	24%	68%		
10	Katy Freeway HOV connection	10%	48%	43%		
11	Frontage Road Intersections	12%	88%			
12	Frontage Road Cross Section	8%	21%	70%		
13	Frontage Lane Count	14%	86%			
14	North Main Street Off-Ramp	21%	79%			
15	Ramps in NE corner of Downtown	11%	89%			
16	Ramps in SW corner of Downtown	28%	22%	26%	24%	
17	Frontage Roads at Halls Bayou	8%	92%			
18	Little White Oak Bayou Greenway	7%	93%			
20	Narrow Cross Section Through Design Exceptions	20%	80%			
21	I-610 Ramp Radius	12%	88%	1		
22	Cross Section at White Oak Bayou	24%	76%			
23	East Downtown Trench	21%	14%	65%		
24	Assistance for Displaced Residents	8%	92%			
25	Affordable Housing	12%	88%			
26	Crossitmbers Complete Street	7%	13%	47%	33%	
27	Mitigating Increased Neighborhood Traffic	14%	86%			
28	Independence Heights Frontage Roads	24%	76%			
29	North Main Pedestrian Connectivity and Parks	5%	25%	52%	17%	
30	North Street Connection	7%	42%	50%		
31	Fifth Ward/Lyons Ave Connectivity to Downtown	10%	23%	28%	39%	
32	San Jacinto Connection	17%	83%			
33	Rail Relocation	14%	86%			

3 Workshops + Virtual Workshop = Community Preferences

NHHIP - Segment 3: Masterplan of Civic



The Mayor's letter

Sent May 12,2020



Sylvester Turner

Mayor

P.O. Box 1562 Houston, Texas 77251-1562

Telephone – Dial 311 www.houstontx.gov

The Mayor's letter

Sent May 12,2020 Response from Laura Ryan May 20, 2020





TEXAS TRANSPORTATION COMMISSION

May 20, 2020

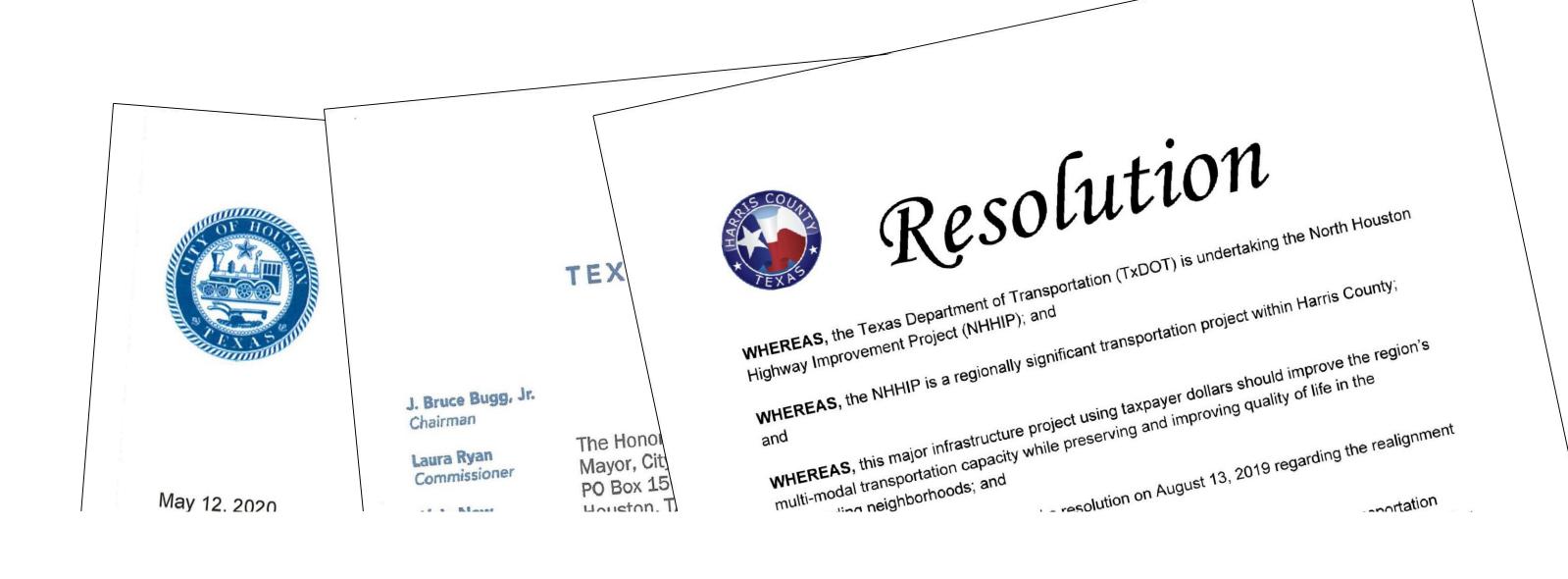
J. Bruce Bugg, Jr. Chairman

Laura Ryan Commissioner The Honorable Sylvester Turner Mayor, City of Houston PO Box 1562

May 12, 2020

The Mayor's letter

Sent May 12,2020 Response from Laura Ryan May 20, 2020 County resolution June 9,2020



What is in the letter?

General

Segment 3

-Specific Improvements

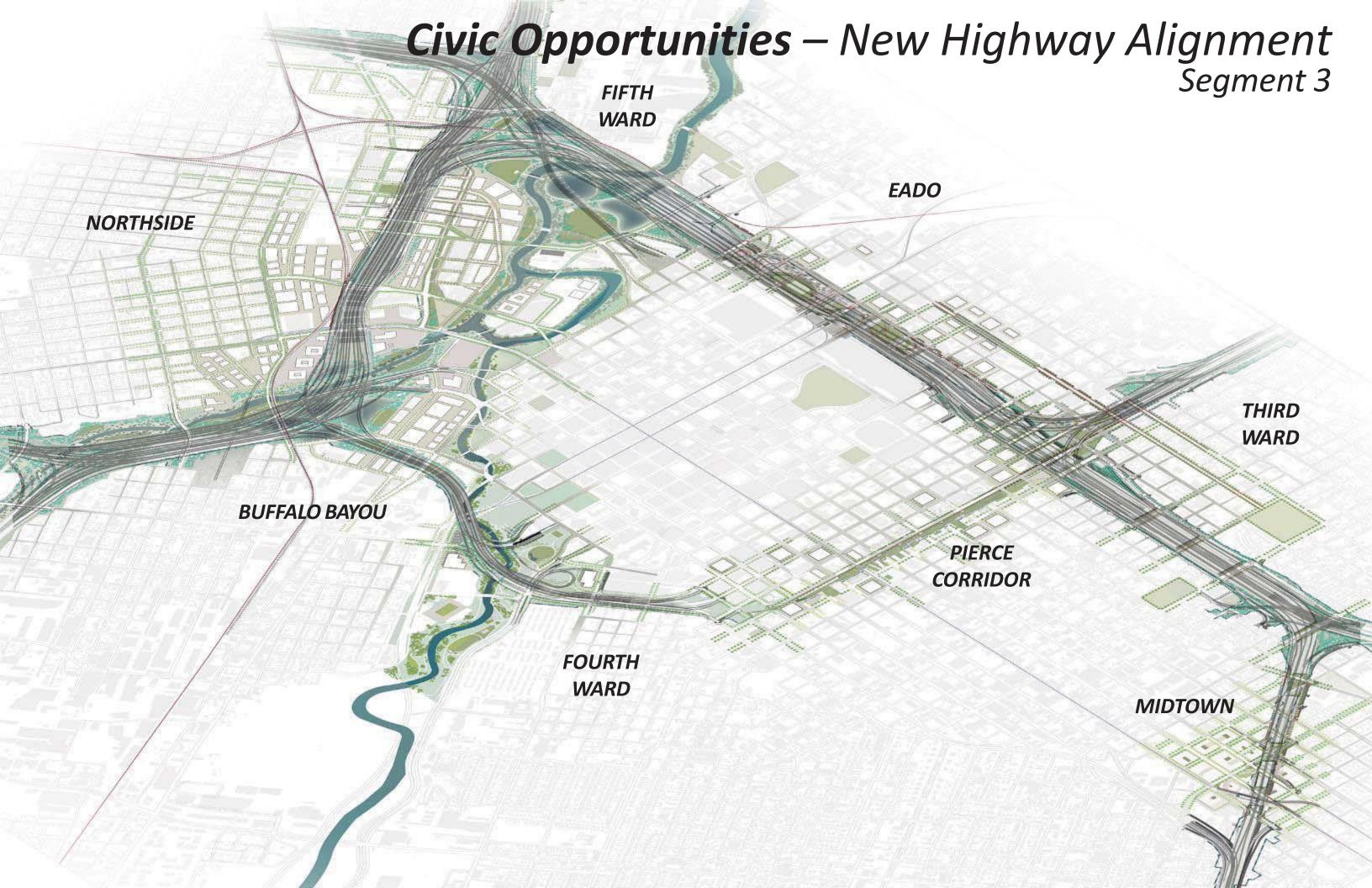
Segment 1 and 2

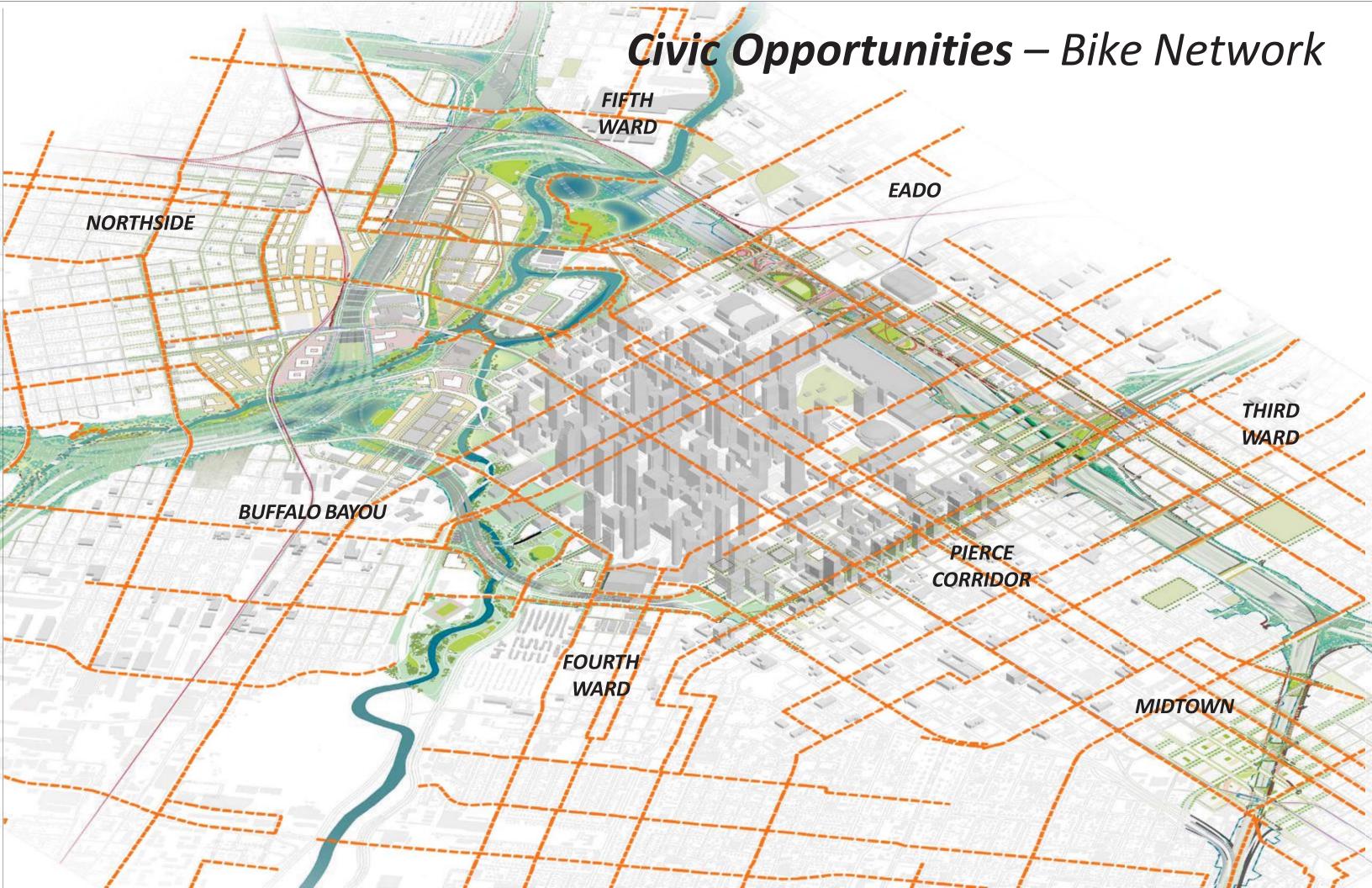
- -Request to study alternate lane configuration and narrower footprint
- -Specific Improvements

Bike/Ped Improvements

Bridges and crossings Frontage roads and intersections Trail connections

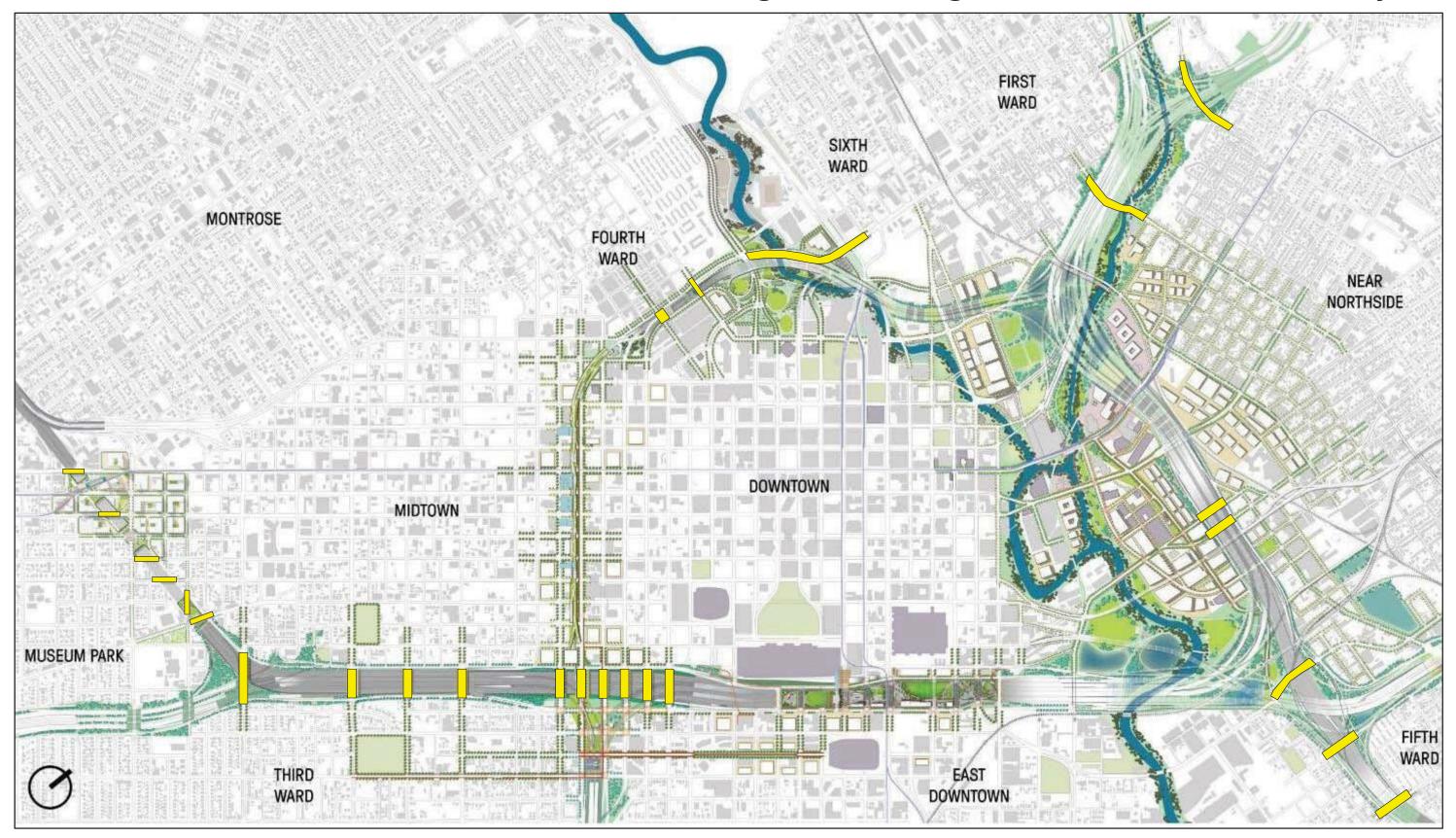






Civic Opportunities – NHHIP Segment 3 Crossings

44 Street Crossings / 26 Bridges Rebuilt Across the Project



Civic Opportunities — City Street Crossings TxDOT & City of Houston Collaboration

44 City Street Crossings / 26 Bridges

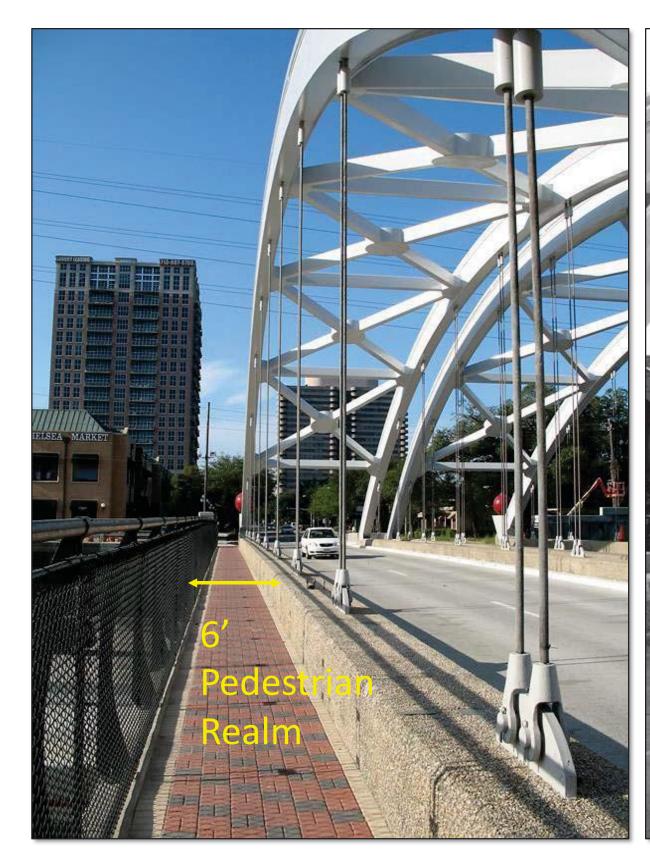
Proposed Bike Lanes

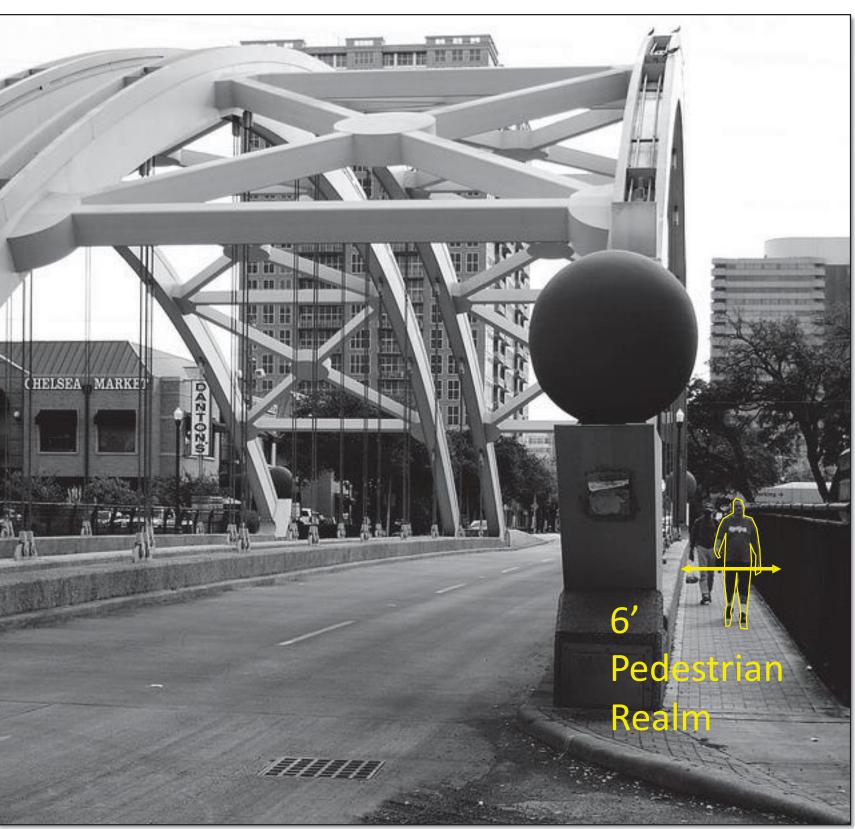
Proposed Pedestrian Realm Width

1							1	ψ							
								NORTH OR EAST PED REALM					SOUTH OR WEST PED REALM		
STREET NAME	ELEVATION REL. TO FREEWAY (OVER/UNDER)	ON CAP (YES/NO)	# OF THROUGH LANES	TURN LANES	WIDTH PER LANE (FT)	COH BIKE PLAN DESIGNATION	BIKE LANE PROPOSED (YES/NO)	TOTAL PED REALM WIDTH NORTH OR EAST SIDE (FT)	PED REALM: SIDEWALK NORTH OR EAST SIDE (FT)	BIKE LANE NORTH OR EAST SIDE (FT)	TREE/FURNITURE ZONE NORTH OR EAST SIDE (FT)	TOTAL PED REALM WIDTH SOUTH OR WEST SIDE (FT)2	PED REALM: SIDEWALK SOUTH OR WEST SIDE (FT)	PED REALM: BIKE LANE SOUTH OR WEST SIDE (FT)	PED REALM: TREE/FURNITURE ZONE SOUTH OR WEST SIDE (FT)
MAIN (1-69)	OVER	NO	4		11	SHARED	YES	17	7	5	5	17	7	5	5
FANNIN	OVER	YES	3		11	NONE	NO	15	10	0	5	15	10	0	5
SAN JACINTO (I-69)	OVER	NO	4		11	NONE	NO	15	10	0	5	15	10	0	5
CAROLINE	OVER	YES	2		11	NONE	NO	10	5	0	5	10		0	5
WHEELER	OVER	YES	4		11	NONE	NO	15	10	0	5	15	10	0	5
AUSTIN	OVER	NO	2		11	DEDICATED	YES	17	7	5	5	17	7	5	5
LA BRANCH	OVER	NO	2		11	DEDICATED	YE5	17	7	5	5	17	7	5	5
CLEBURNE (I-69)	OVER	NO	2		11	DEDICATED	YES	17	7	5	5	17	7	.5	5
ALMEDA	OVER	NO	4	1 left turn	11	DEDICATED	YES	17	7	5	5	17	7	5	5
ALABAMA	OVER	NO	4		11	DEDICATED	YES	17	7	5	5	10	5	5	0
CLEBURNE (SH 288)	UNDER	NO	2		11	NONE	YES	17	7	5	5	17	7	5	5
ELGIN	OVER	NO	5		11	NONE	YES	17	7	5	5	17	7	5	5
TUAM	OVER	NO	3		11	SHARED	YES	17	7	5	5	17	7	5	5
MCGOWEN	OVER	NO	5		11	DEDICATED	YES	17	7	5	5	17	7	5	5
GRAY	OVER	NO	3		11	DEDICATED	YES	17	7	5	5	12	7	0	5
PIERCE	OVER	NO	3		11	DEDICATED	YES	12*	7	0	5	17	7.	5	5
ST. JOSEPH	OVER	NO	3		11	NONE	NO	12	7	0	5	12	7	0	5
JEFFERSON	OVER	NO	4		11	NONE	NO	12	7	0	5	12	7	0	5
PEASE	OVER	NO	4		11	NONE	NO	12	7	5	5	12	7	0	5
LEELAND	OVER	NO	5	1 left turn	11	DEDICATED	YES	17	7	5	5	17	7	5	5
LAMAR	OVER	YES	1	1 u-turn	11	NONE	NO	10*	5	0	5	0	0	0	0
MCKINNEY	OVER	YES	4		11	NONE	NO	10	5	0	5	10	5	0	5
WALKER	OVER	YES	N/A		N/A	DEDICATED	YES	17	7	5	5	17	7	5	5
RUSK	OVER	YES	3		11	DEDICATED	YES	12*	7	0	5	17	7	5	5
CAPITOL	OVER	YES	3		11	DEDICATED	YES	17*	7	0	5	12*	7	0	5
TEXAS	OVER	YES	5	2 left turn*	11	NONE	NO	15	10	0	5	15	10	0	5
PRESTON	OVER	YES	3	1 left turn	11	NONE	NO	15	10	0	5	15	10	0	5
CONGRESS	OVER	YES	3		11	NONE	NO	15	10	0	5	15	10	0	5
FRANKLIN	OVER	YES	4		11	NONE	NO	10	5	0	5	10	5	0	5
COMMERCE	OVER	YES	3		11	DEDICATED	YES	17	7	5	5	12*	7	0	5
GREGG	UNDER	NO	5		11	DEDICATED	YES	17	7	5	5	17	7	5	5
MEADOW	OVER	NO	2		11	NONE	NO	10	5	5	5	10	5	0	5
JENSEN	UNDER	NO	5		11	DEDICATED	YES	17	7	5	5	17	7	5	5
HARDY	OVER	NO	2		11	DEDICATED	YES	17	7	5	5	17	7	5	5
MCKEE	OVER	NO	2		11	DEDICATED	YES	12	7	0	5	17	7	5	5
SAN JACINTO (I-10) (FUT		NO	4		11	N/A	YES	17	7	5	5	17	7	5	5
RUNNELS (FUTURE)	UNDER	NO		4	11	N/A	YES	17	7	5	5	17	7	5	5
MAIN (I-10)	UNDER	NO	N/A		N/A	NONE	NO	N/A		5	N/A	N/A			N/A
HOGAN	OVER	NO	4		11	DEDICATED	YES	17	7	5	5	17	7	5	5
HOUSTON	OVER	NO	4		11	DEDICATED	YES	17	7	5	5	17	7	5	.5
QUITMAN	UNDER	NO	4		11	DEDICATED	YES	17	7	0	5	17	7	5	5
ALLEN PWKY	UNDER	NO	7		11	DEDICATED	YES	10	5	5	5	10	5	0	5
WEST DALLAS	OVER	NO	4		11	DEDICATED	YES	17	7	5	5	17	7	5	5
ANDREWS	OVER	NO	N/A		N/A	DEDICATED	YES	17	7	1000	5	17	7	5	5

Civic Opportunities – City Street Crossings

Montrose Bridge Lessons Learned





Civic Opportunities — City Street Crossings Bridge Width & Pedestrian Realm



Civic Opportunities — City Street Crossings

Third Ward Arched Bridges

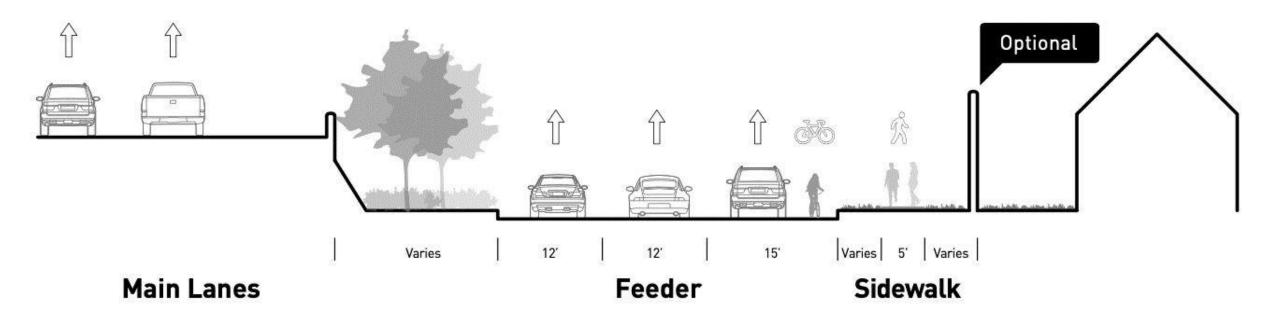


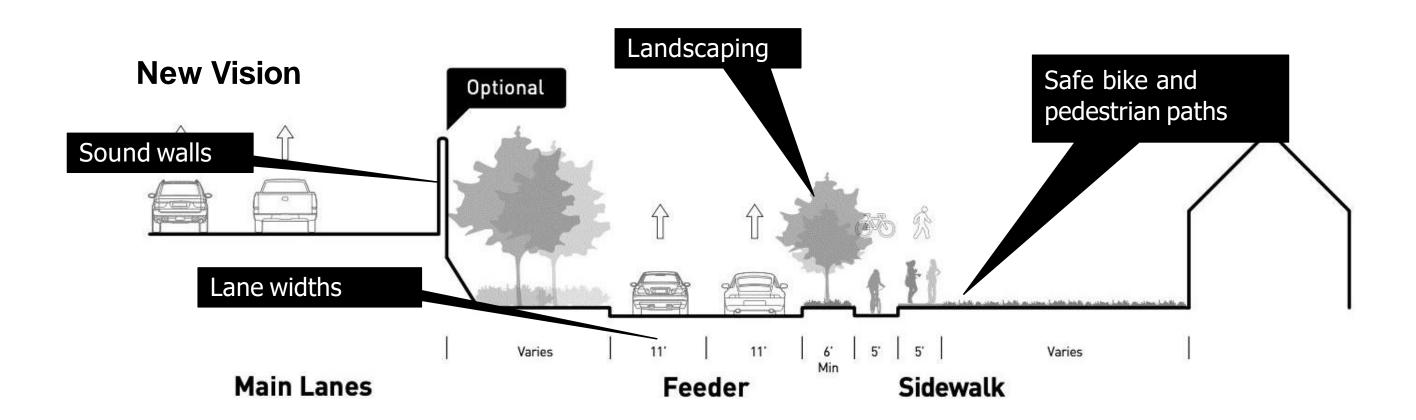
Civic Opportunities – City Street Crossings

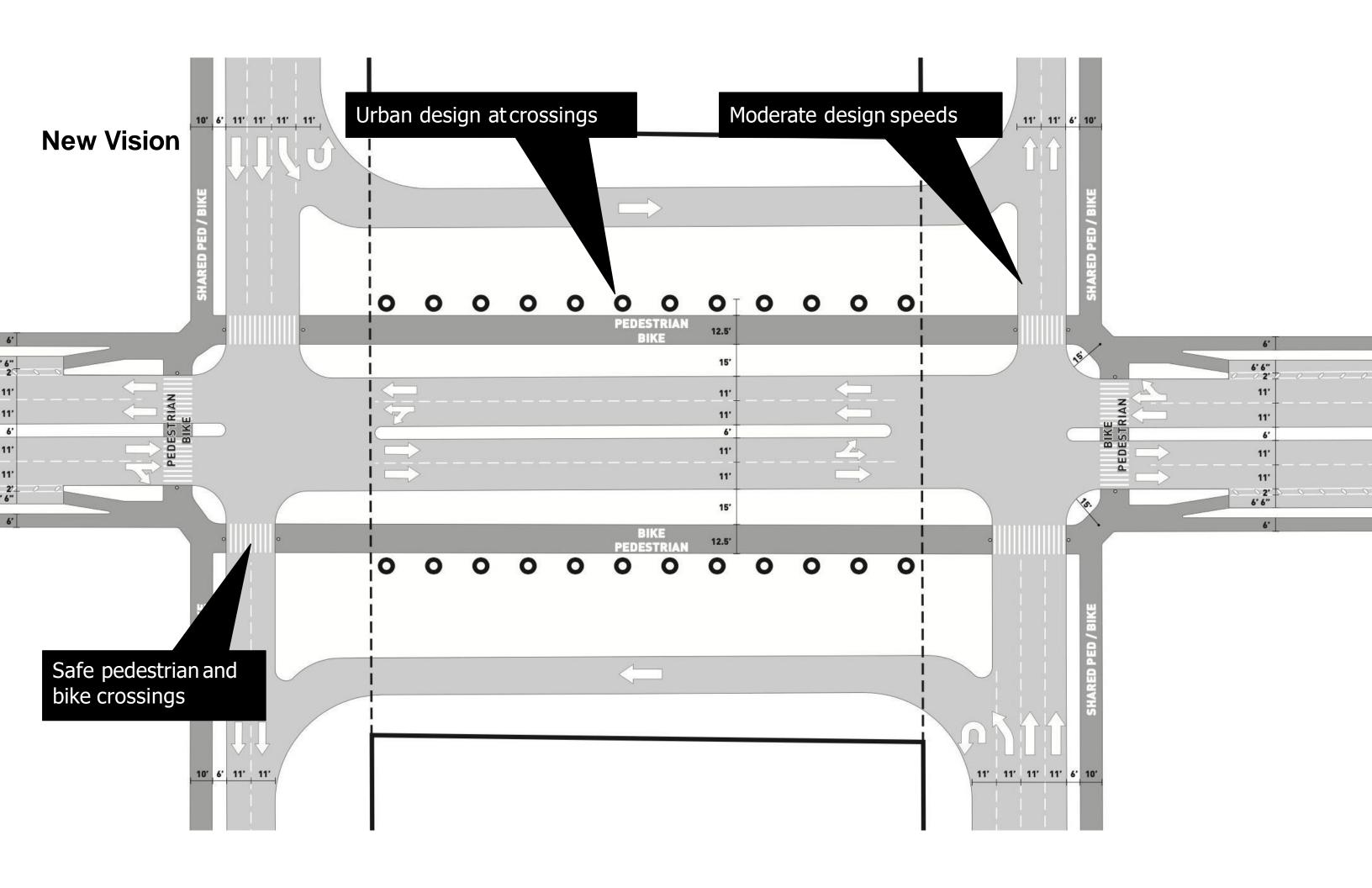
Fourth Ward: Andrews Street

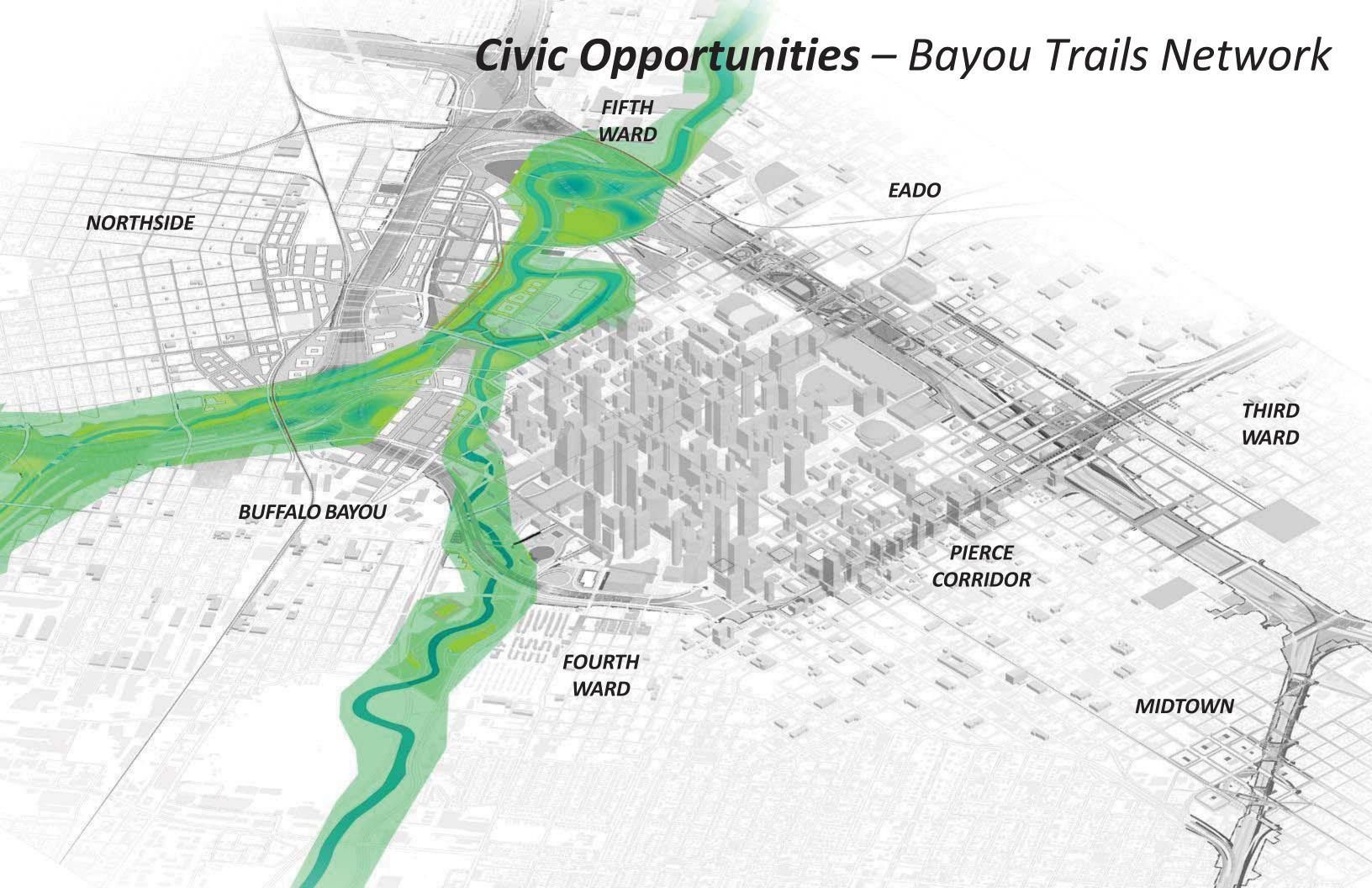


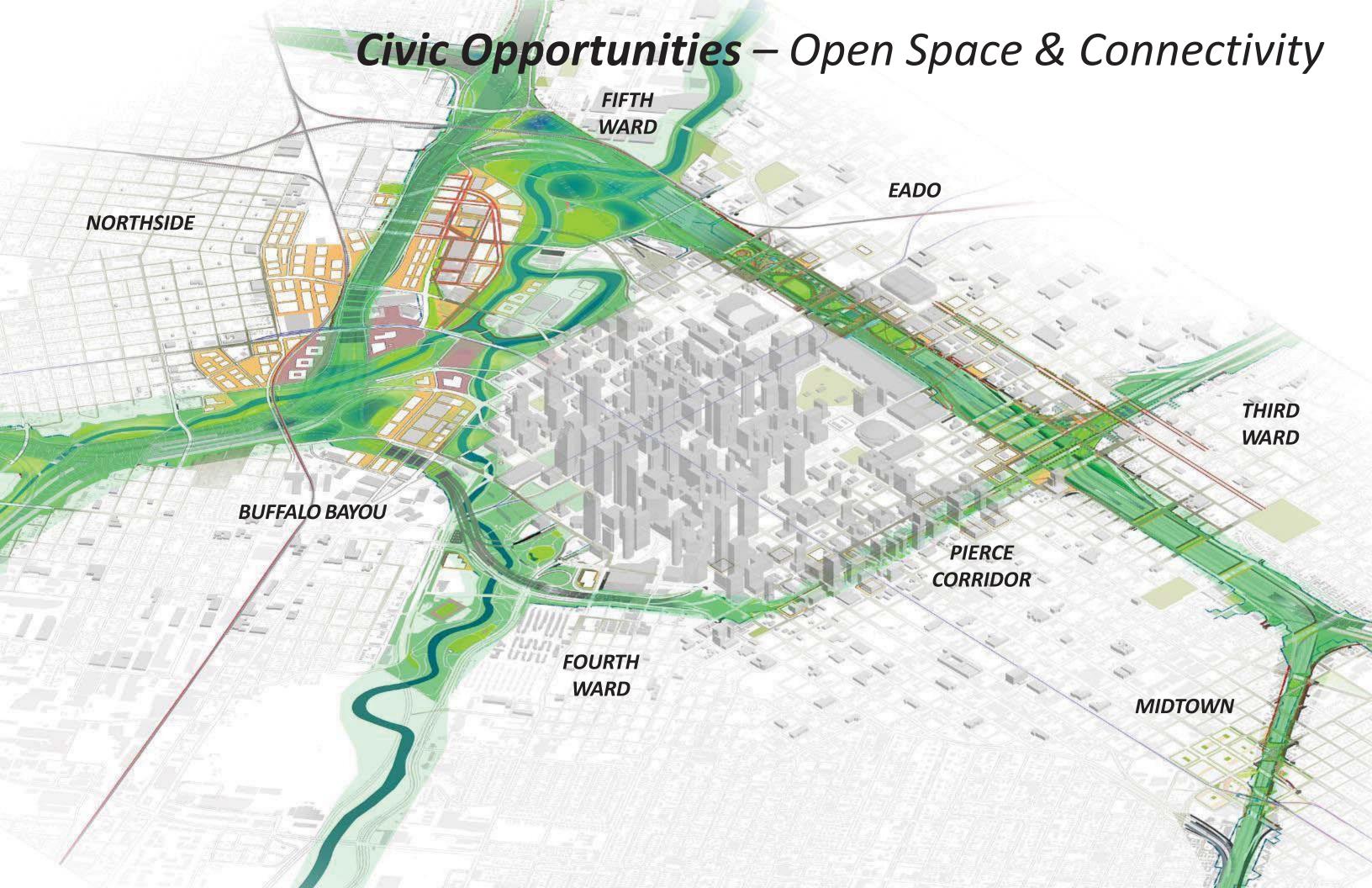
TxDOT



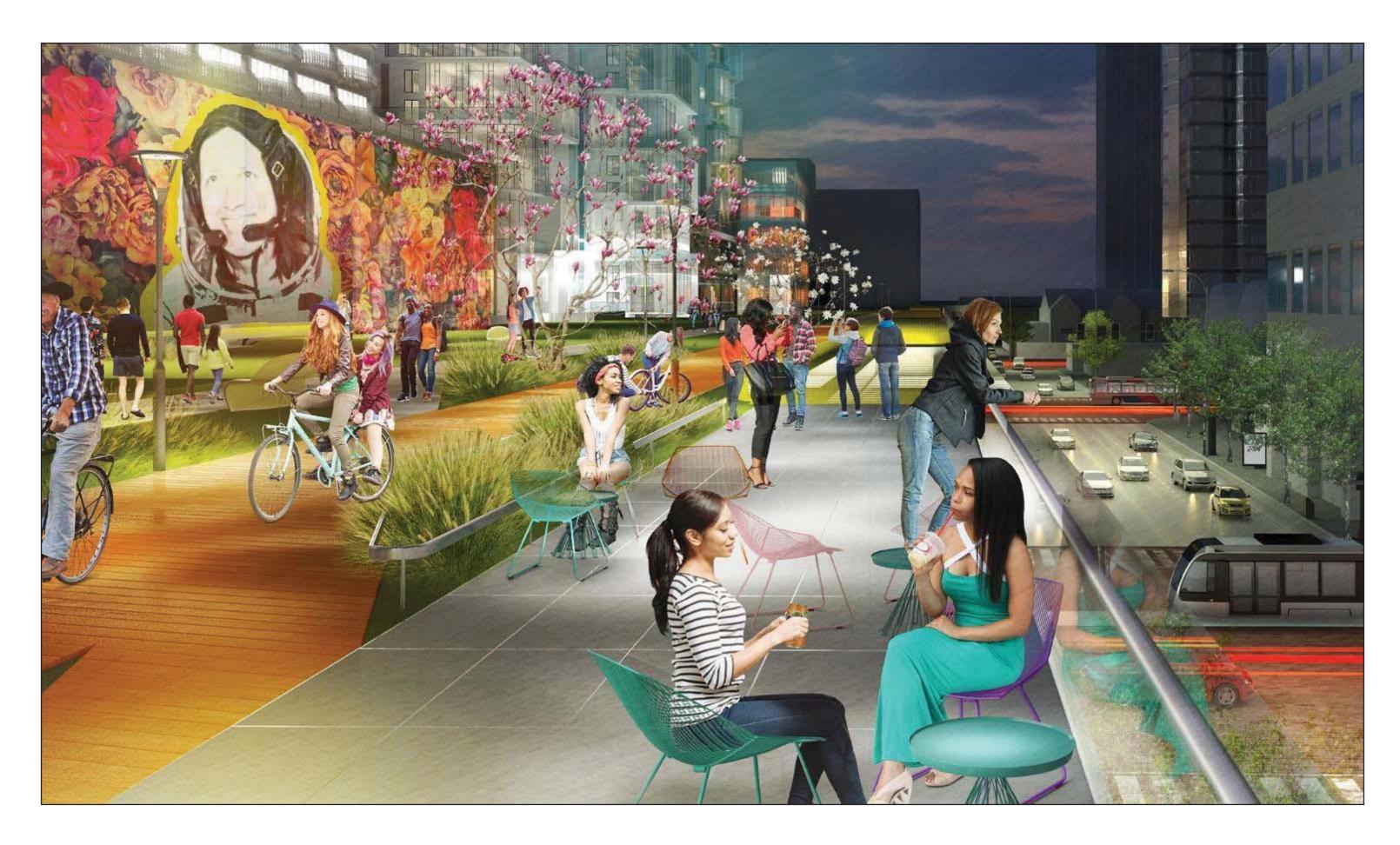




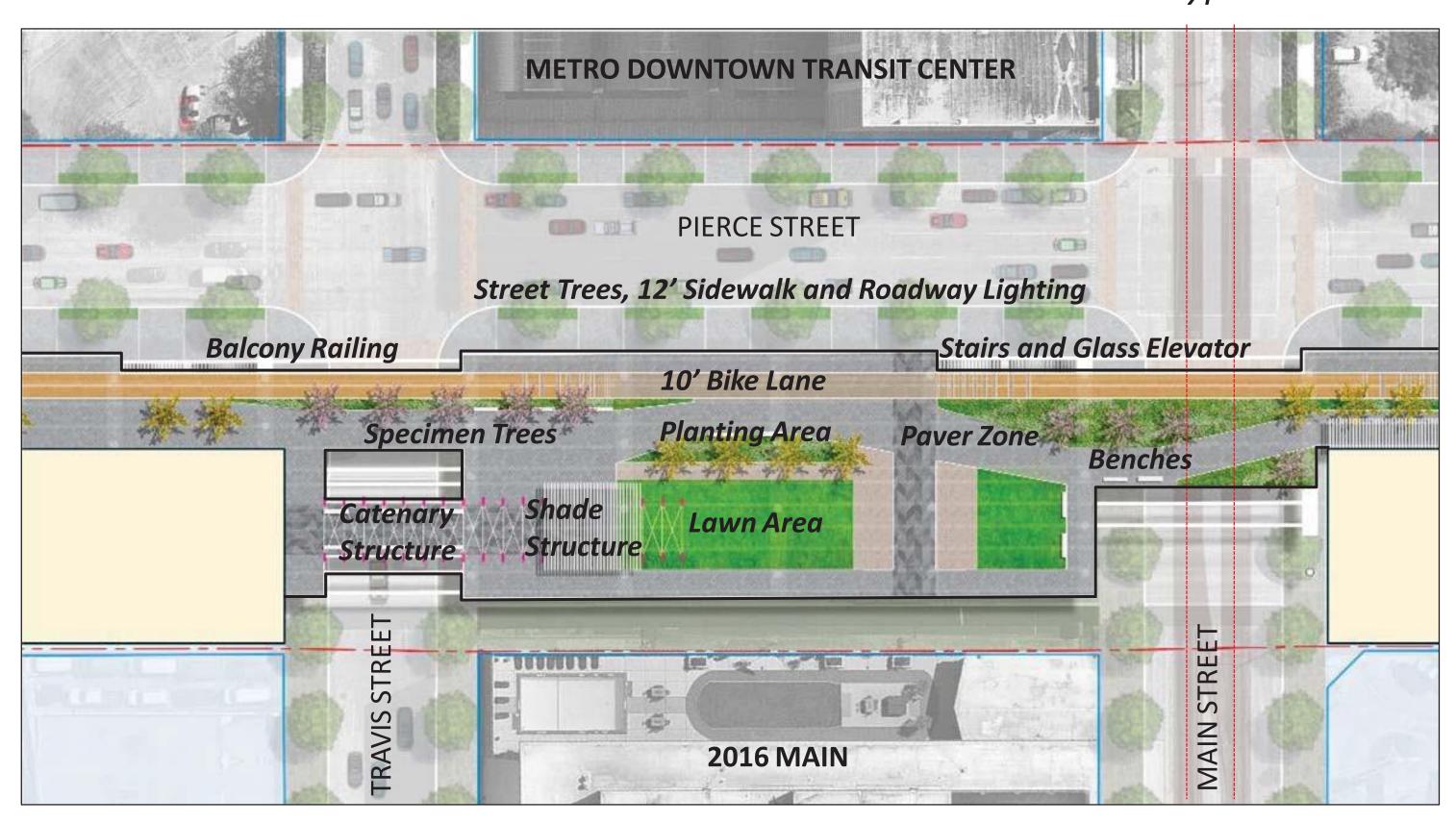




Civic Opportunities – Pierce Corridor: Pierce Skypark



Civic Opportunities — Pierce Corridor Detail Skypark Plaza Plan



Civic Opportunities – Third Ward: Four Corners Understory Park



Civic Opportunities — EaDo Cap Park



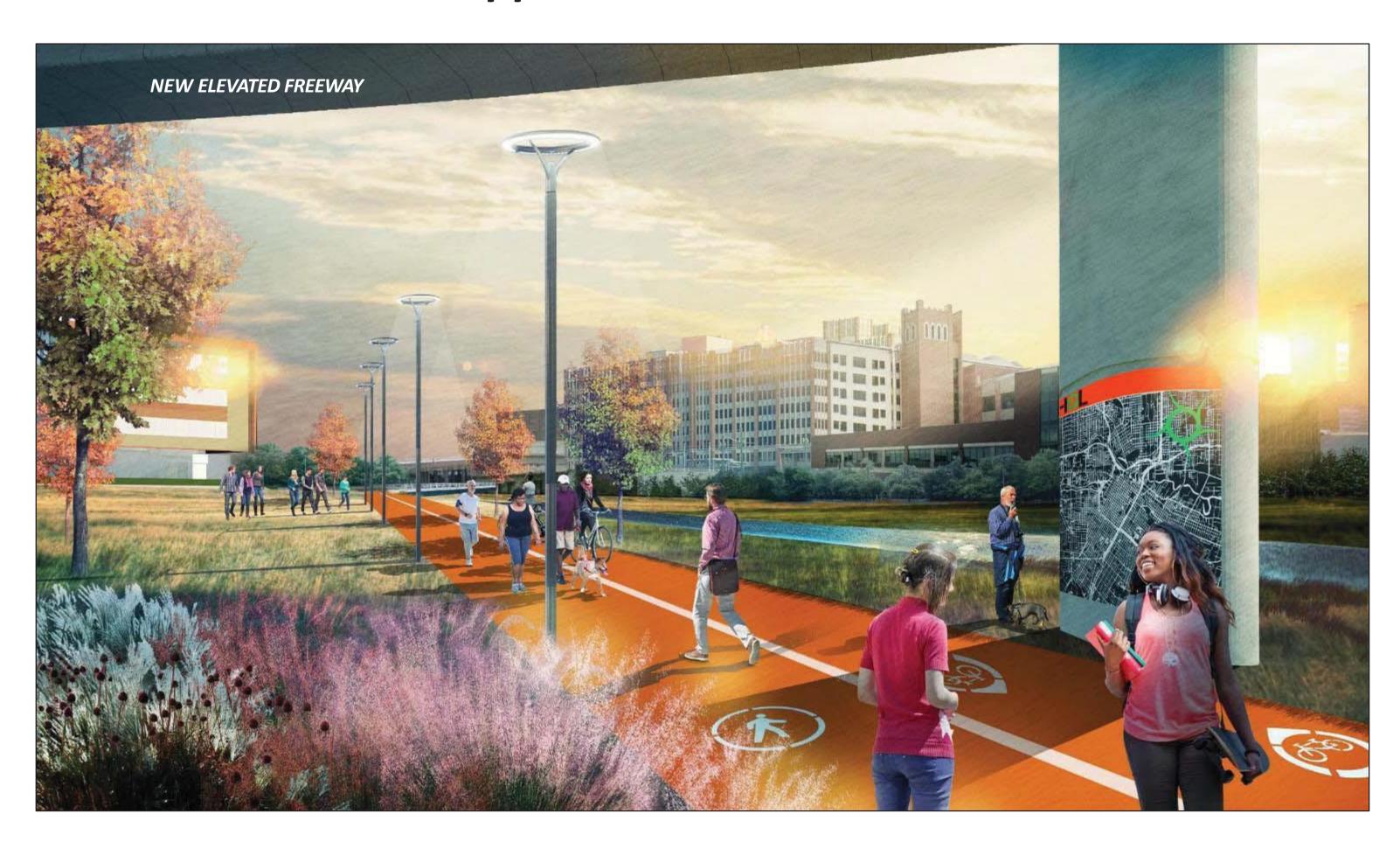
Civic Opportunities – Fifth Ward: Frostown Crossing



Civic Opportunities - Northside: White Oak Trails



Civic Opportunities - Northside: White Oak/ UHD



Civic Opportunities – Northside: North Canal



Civic Opportunities - North Canal



Concept: Little White Oak Bayou Greenway

