

CIVIC OPPORTUNITIES MASTER PLAN

NORTH HOUSTON HIGHWAY IMPROVEMENT PROJECT - *SEGMENT 3*



June 13, 2019

Infrastructure Connectivity Projects

Aspirations

Bring communities together rather than divide them by:

- Facilitating **multi-modal linkages** between the city's districts, neighborhoods and public spaces
- Improving the quality of life for its citizens by ensuring that all have access to **vibrant public open spaces**
- Creating a sense of community by restoring **neighborhood connections**



Infrastructure Connectivity Projects

National Examples



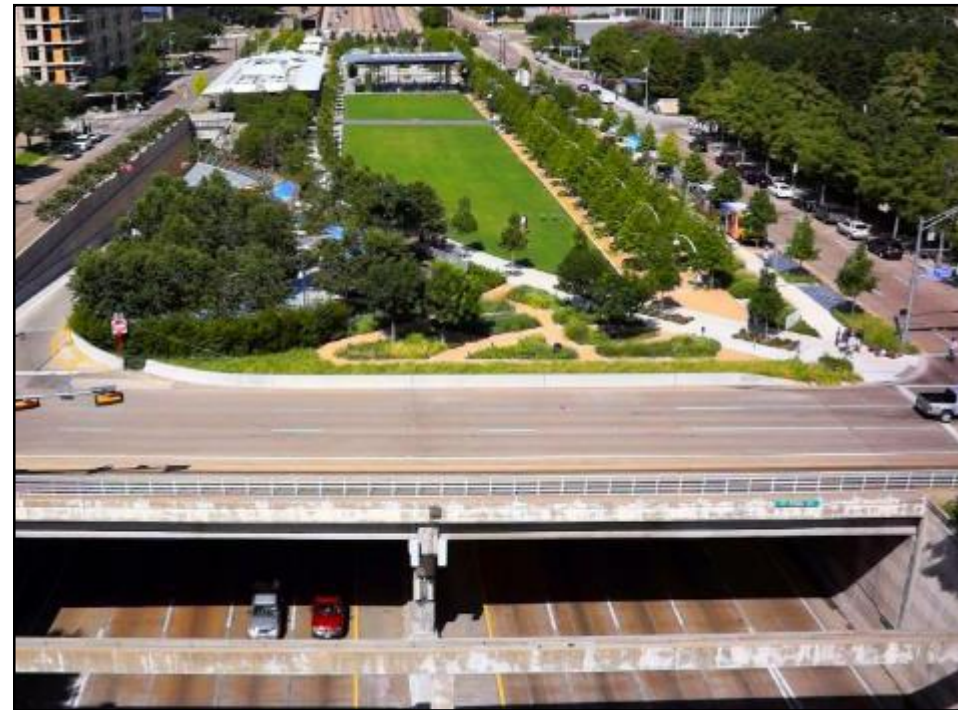
Chicago 606



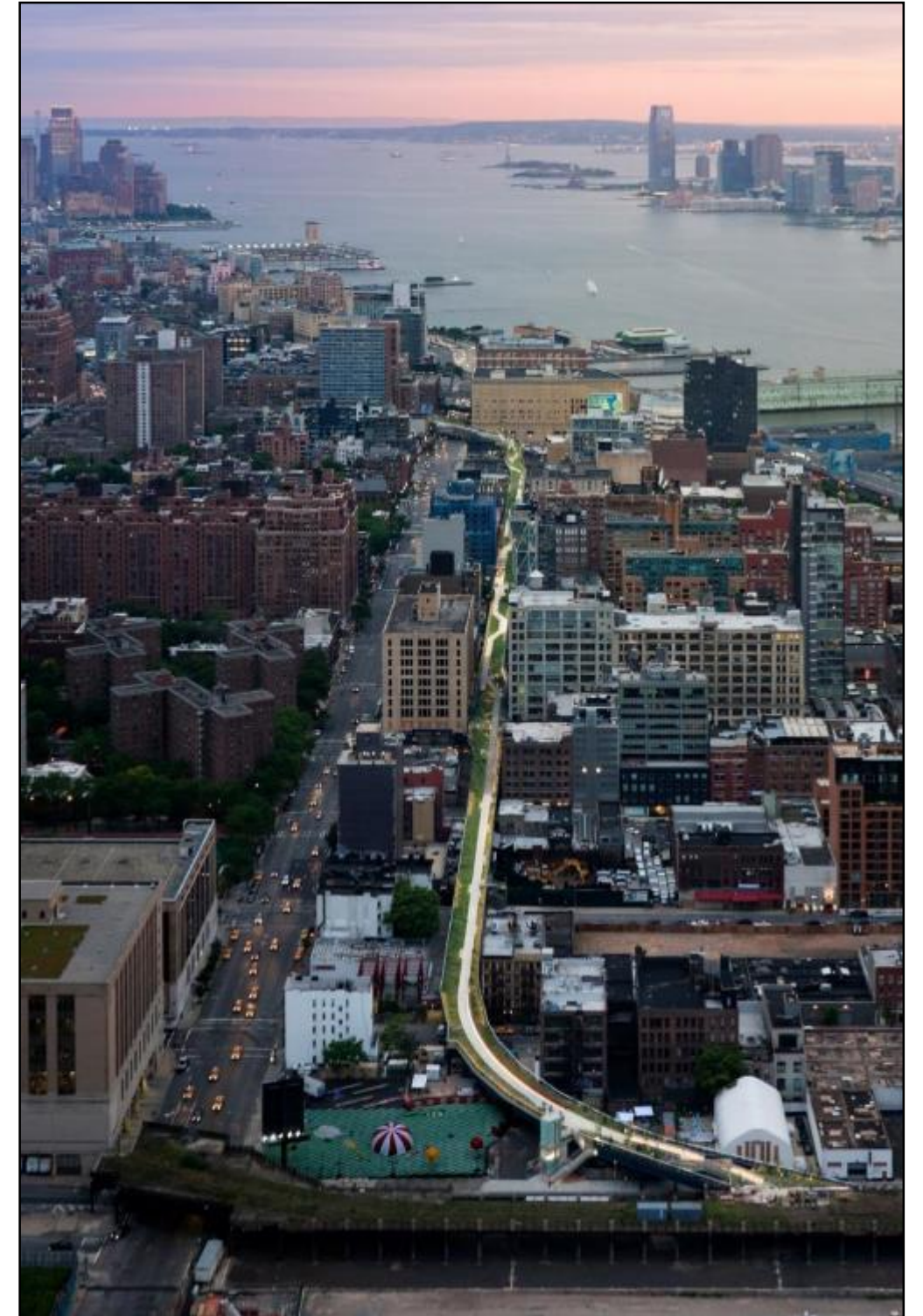
5th Street Bridge Atlanta



Atlanta Beltline



Klyde Warren Park Dallas

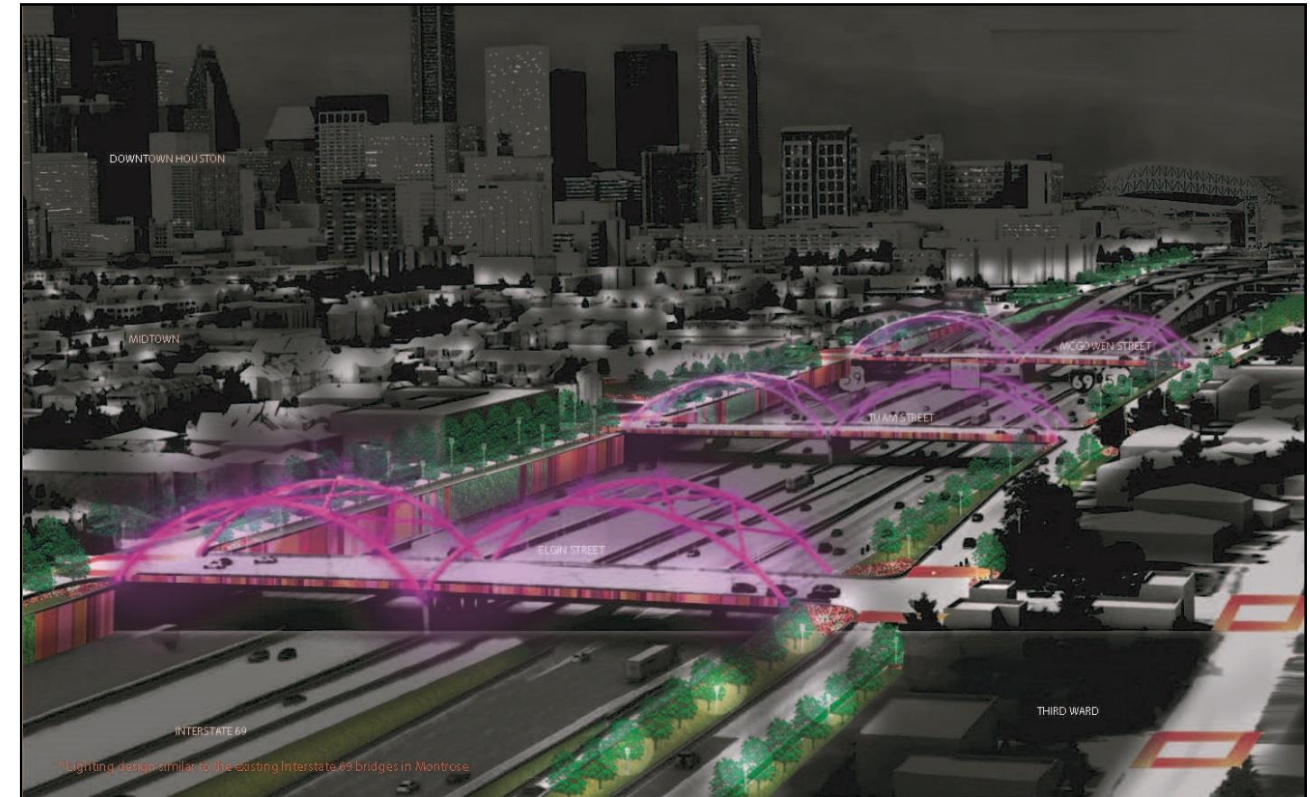


The Highline NYC

Civic Opportunity – Early Project Visions



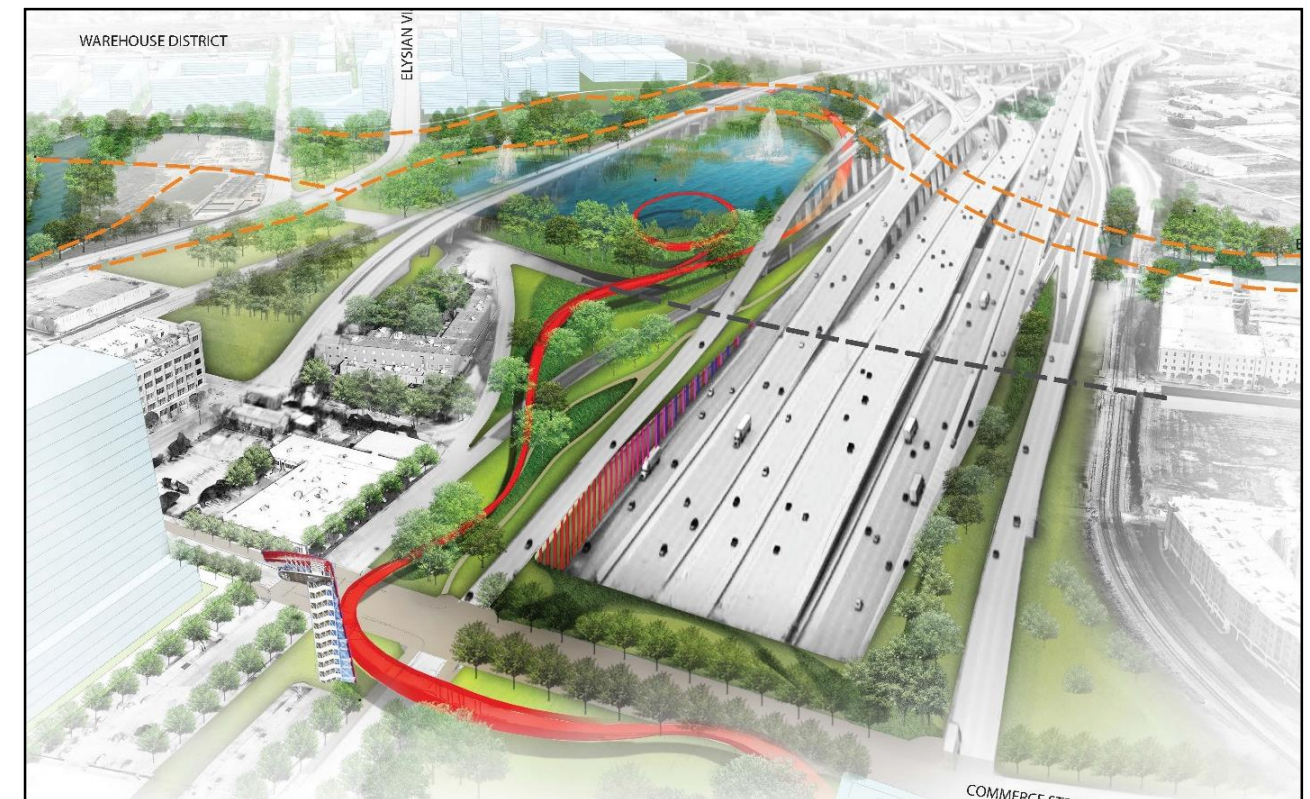
Midtown Caps



Third Ward Bridges



EaDo



Fifth Ward Detention Park

Civic Opportunity – Early Project Visions



North Canal



Buffalo Bayou



N. Main St. Cap



White Oak Bayou Trail

NHHIP - Civic Opportunities

Early Project Vision Plan – August 2017

OPPORTUNITY SITES

- 01 Midtown / Museum District Caps
- 02 Midtown and Third Ward Bridges
- 03 EaDo Greenway
- 04 EaDo Cap
- 05 Buffalo Bayou Wetland Park
- 06 Warehouse District
- 07 UH Downtown Campus / White Oak Bayou Park
- 08 Post Office and City Campus
- 09 Buffalo Bayou Gateway
- 10 Fourth Ward Connection
- 11 Pierce Street Redevelopment / Linear Park
- 12 North Main Cap
- 13 Little White Oak Bayou



Civic Opportunities – Key Aspirations

1. CONNECT Neighborhoods Severed by Existing Highways

- *Connect Neighborhoods to Parks and Amenities*
- *Connect People to City-wide Destinations*
- *Develop Regional Open Space Networks*

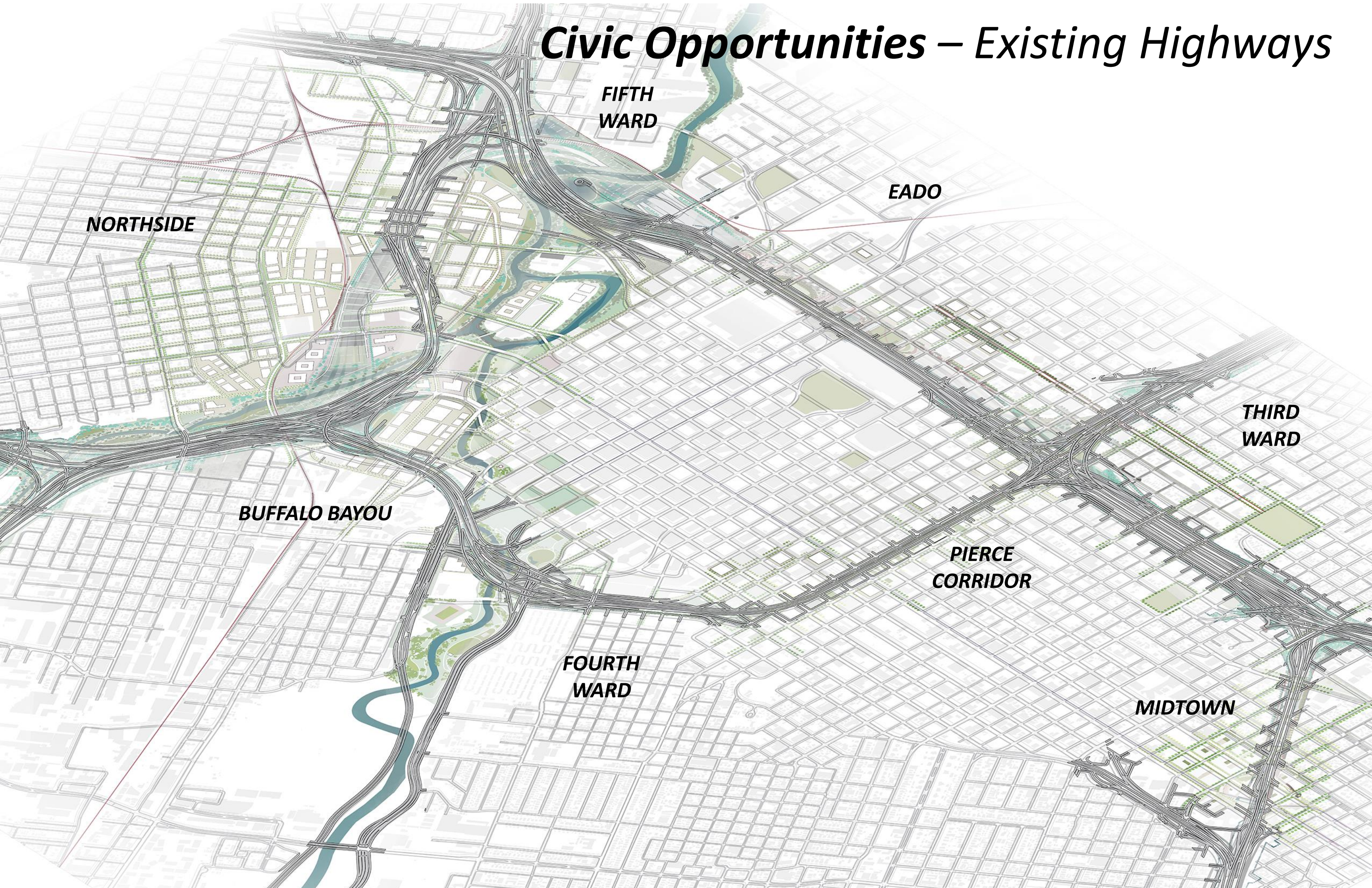
2. BUILD on the City's Existing Natural and Built Networks

- *Create Pedestrian-centric Trails and Sidewalks*
- *Incorporate New Bike Lanes into Existing Bike Network*
- *Link New and Existing Open Space to create a Legible Open Space System*

3. MAXIMIZE Development Opportunities

- *Create Destinations*
- *Create Re-Development Opportunities*
- *Leverage City Assets*

Civic Opportunities – Existing Highways



FIFTH
WARD

EADO

NORTHSIDE

THIRD
WARD

BUFFALO BAYOU

PIERCE
CORRIDOR

FOURTH
WARD

MIDTOWN

Civic Opportunities – New Highway Alignment Segment 3



**FIFTH
WARD**

EADO

NORTHSIDE

**THIRD
WARD**

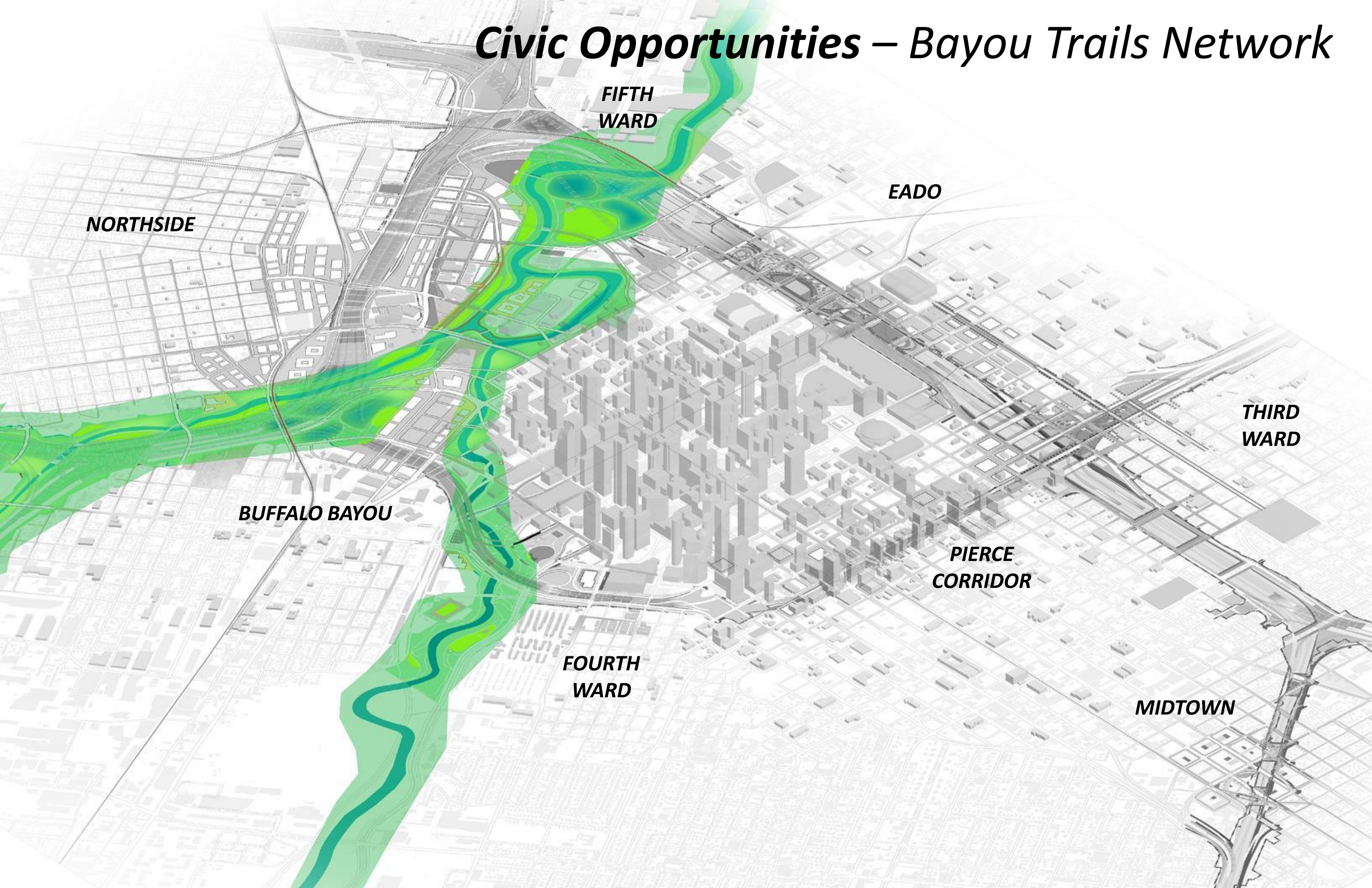
BUFFALO BAYOU

**PIERCE
CORRIDOR**

**FOURTH
WARD**

MIDTOWN

Civic Opportunities – Bayou Trails Network



NORTHSIDE

FIFTH WARD

EADO

THIRD WARD

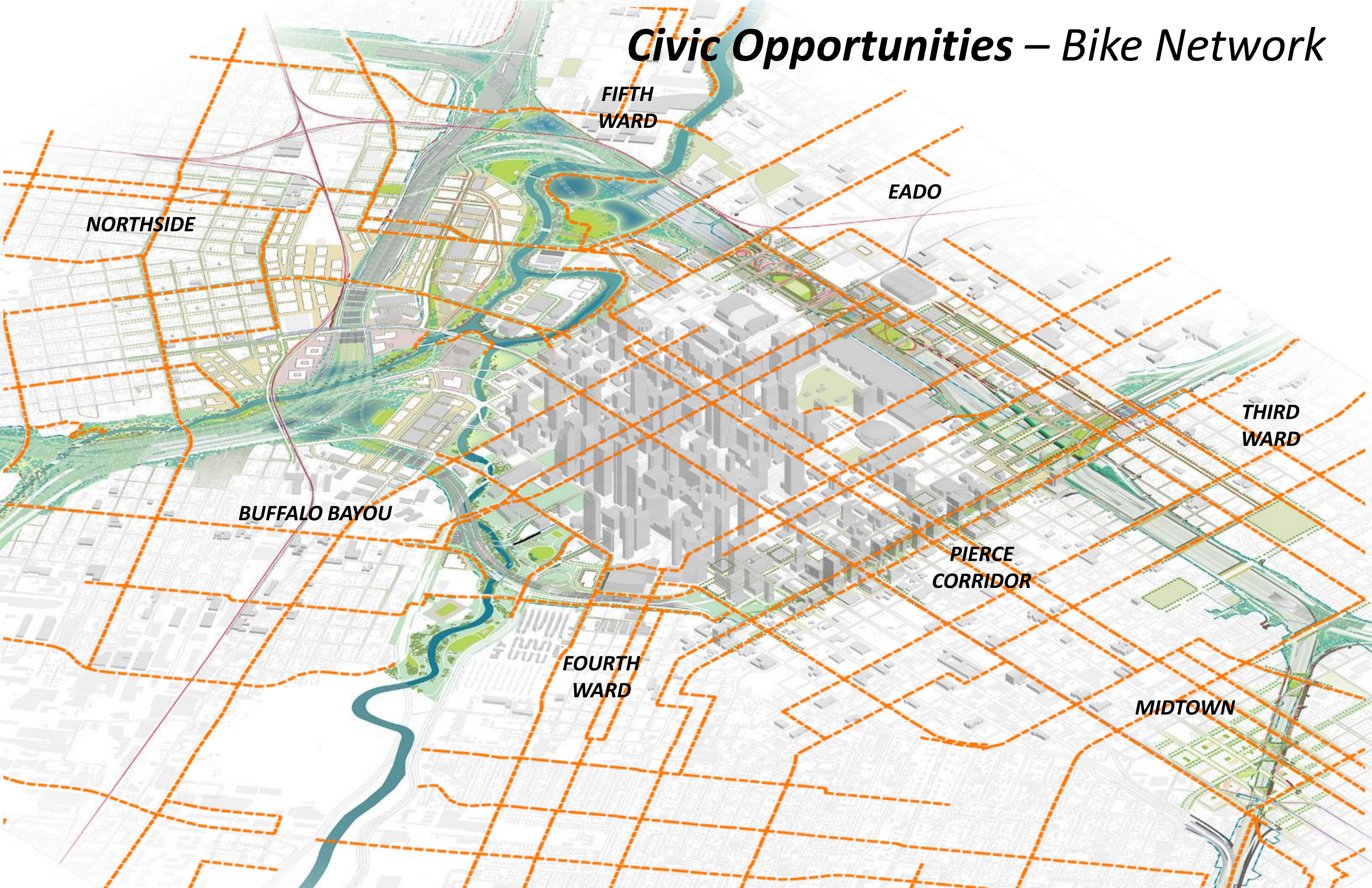
BUFFALO BAYOU

PIERCE CORRIDOR

MIDTOWN

FOURTH WARD

Civic Opportunities – Bike Network



**FIFTH
WARD**

EADO

NORTHSIDE

**THIRD
WARD**

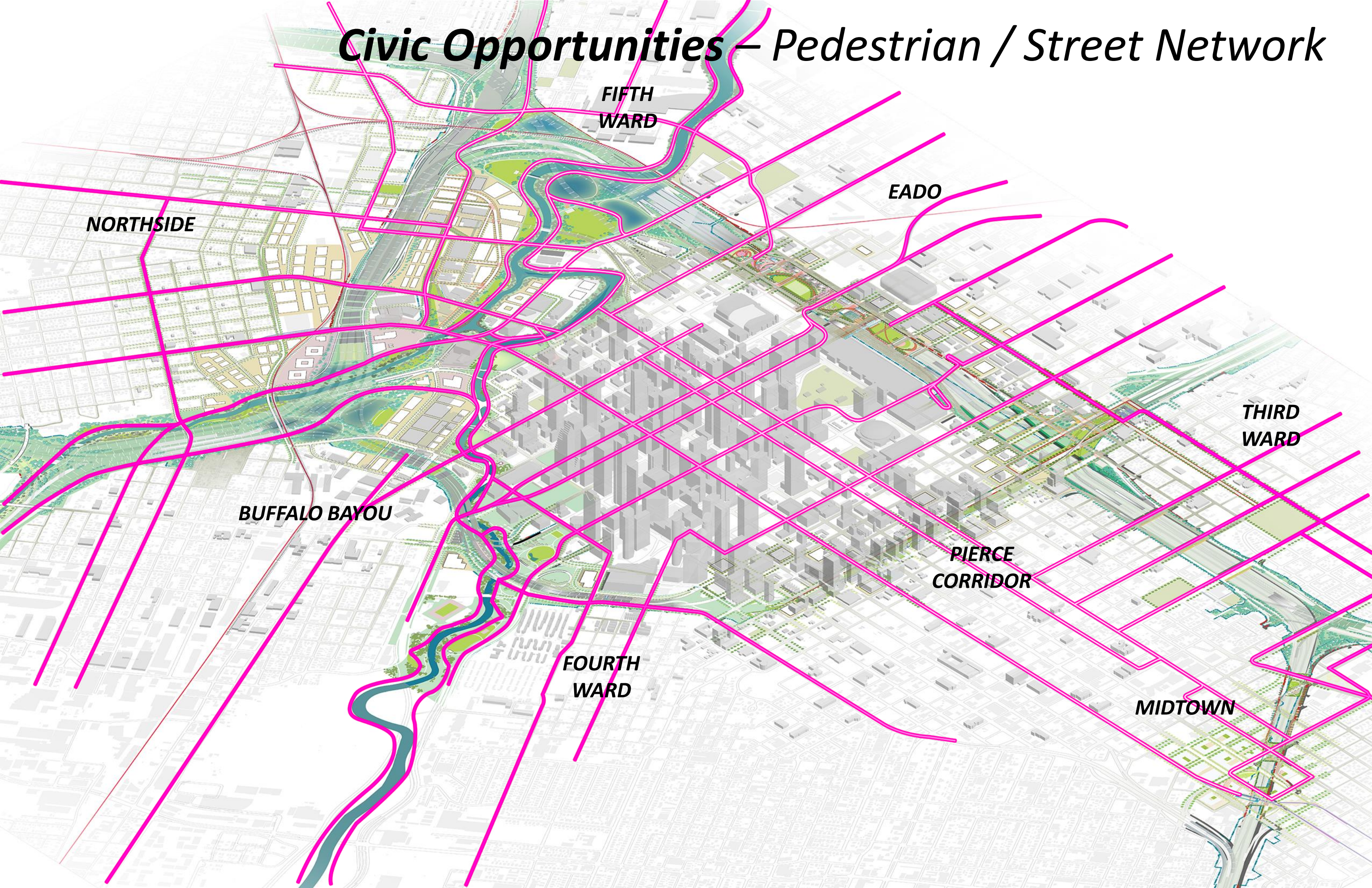
BUFFALO BAYOU

**PIERCE
CORRIDOR**

**FOURTH
WARD**

MIDTOWN

Civic Opportunities – Pedestrian / Street Network



FIFTH WARD

NORTHSIDE

EADO

THIRD WARD

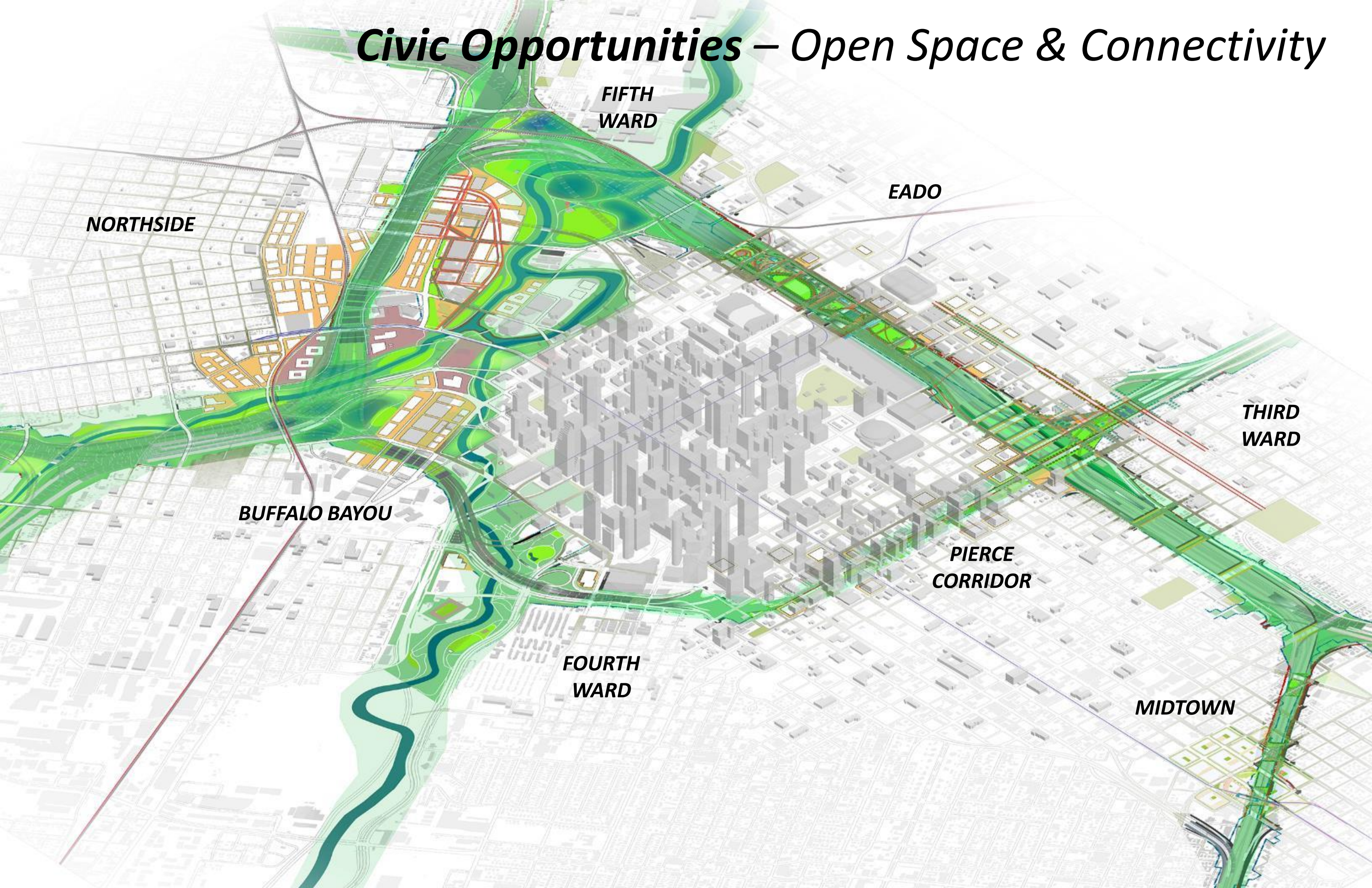
BUFFALO BAYOU

PIERCE CORRIDOR

FOURTH WARD

MIDTOWN

Civic Opportunities – Open Space & Connectivity



NORTHSIDE

**FIFTH
WARD**

EADO

**THIRD
WARD**

BUFFALO BAYOU

**PIERCE
CORRIDOR**

MIDTOWN

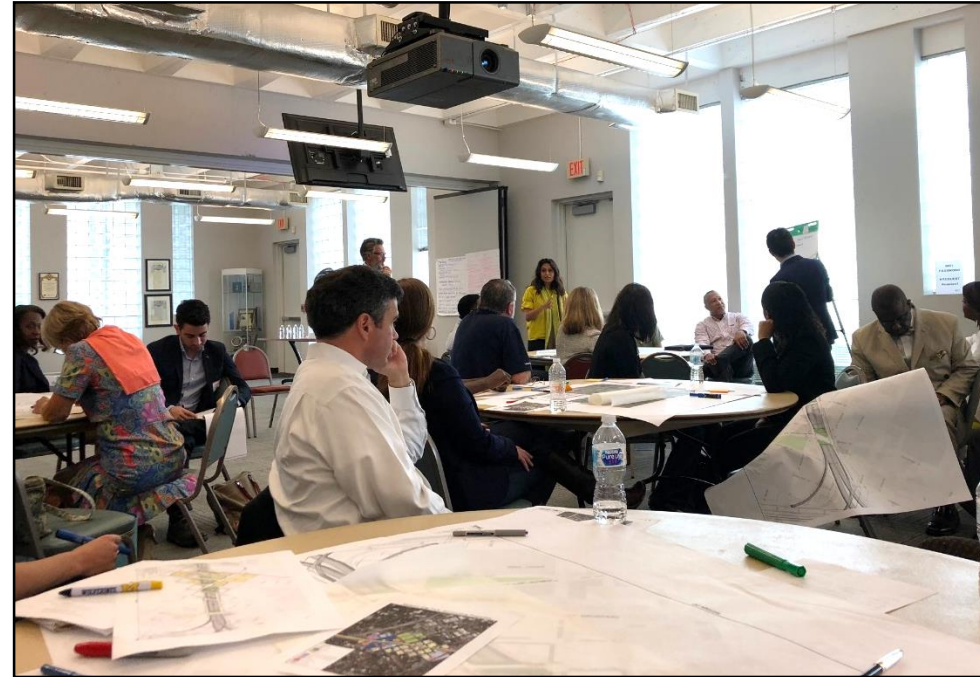
**FOURTH
WARD**

Civic Opportunities – Identifying the Needs

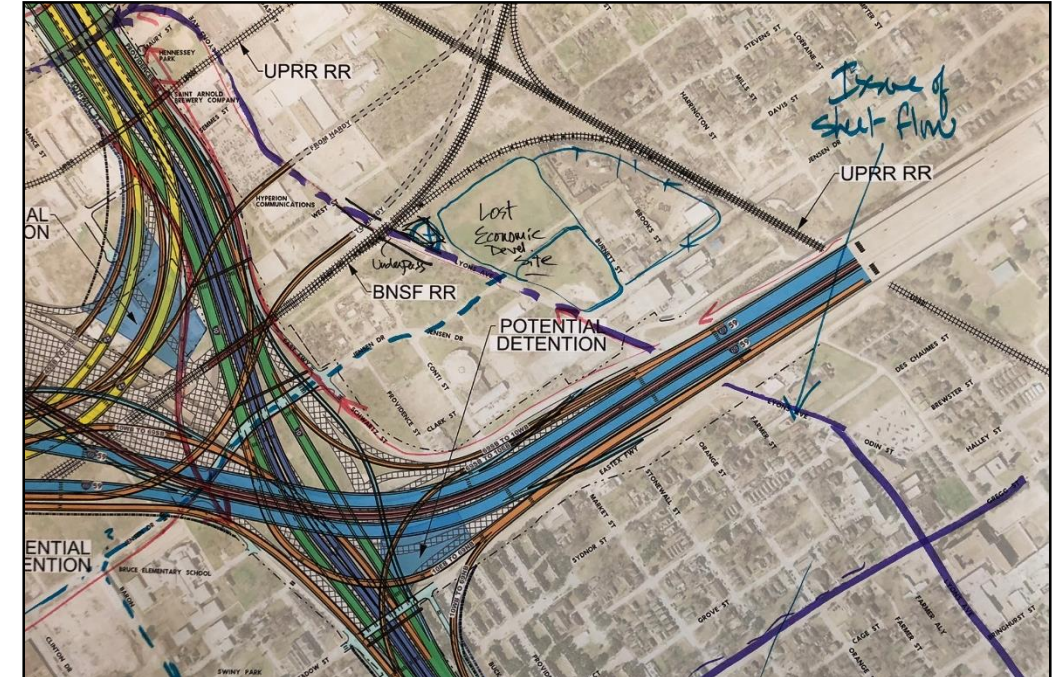
Stakeholder Input



Northside



Midtown



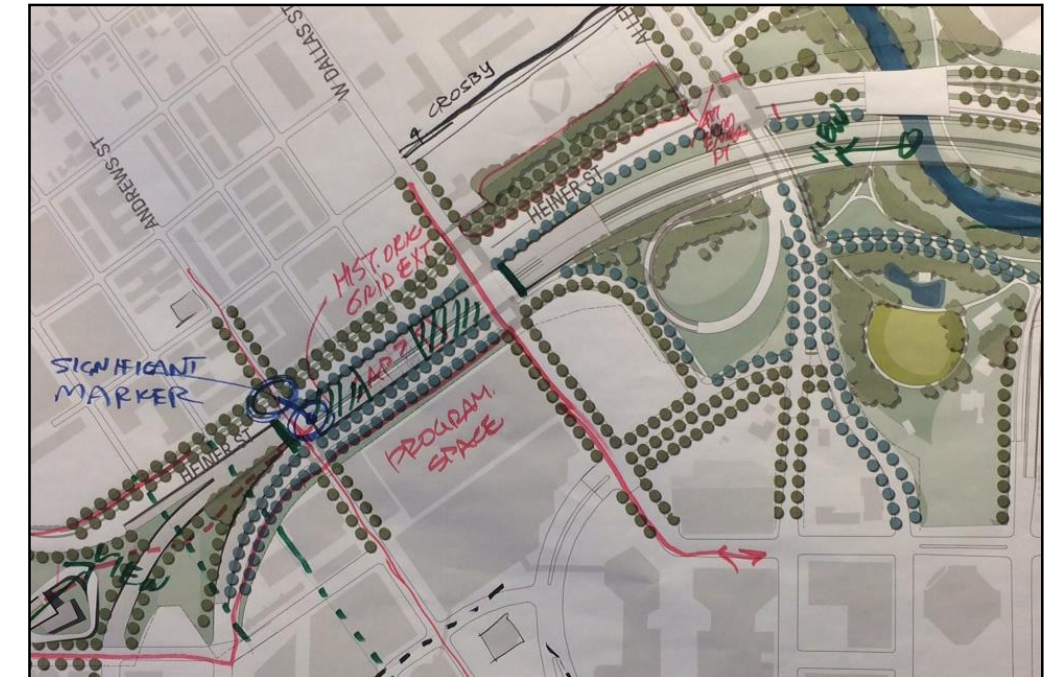
Fifth Ward



EaDo



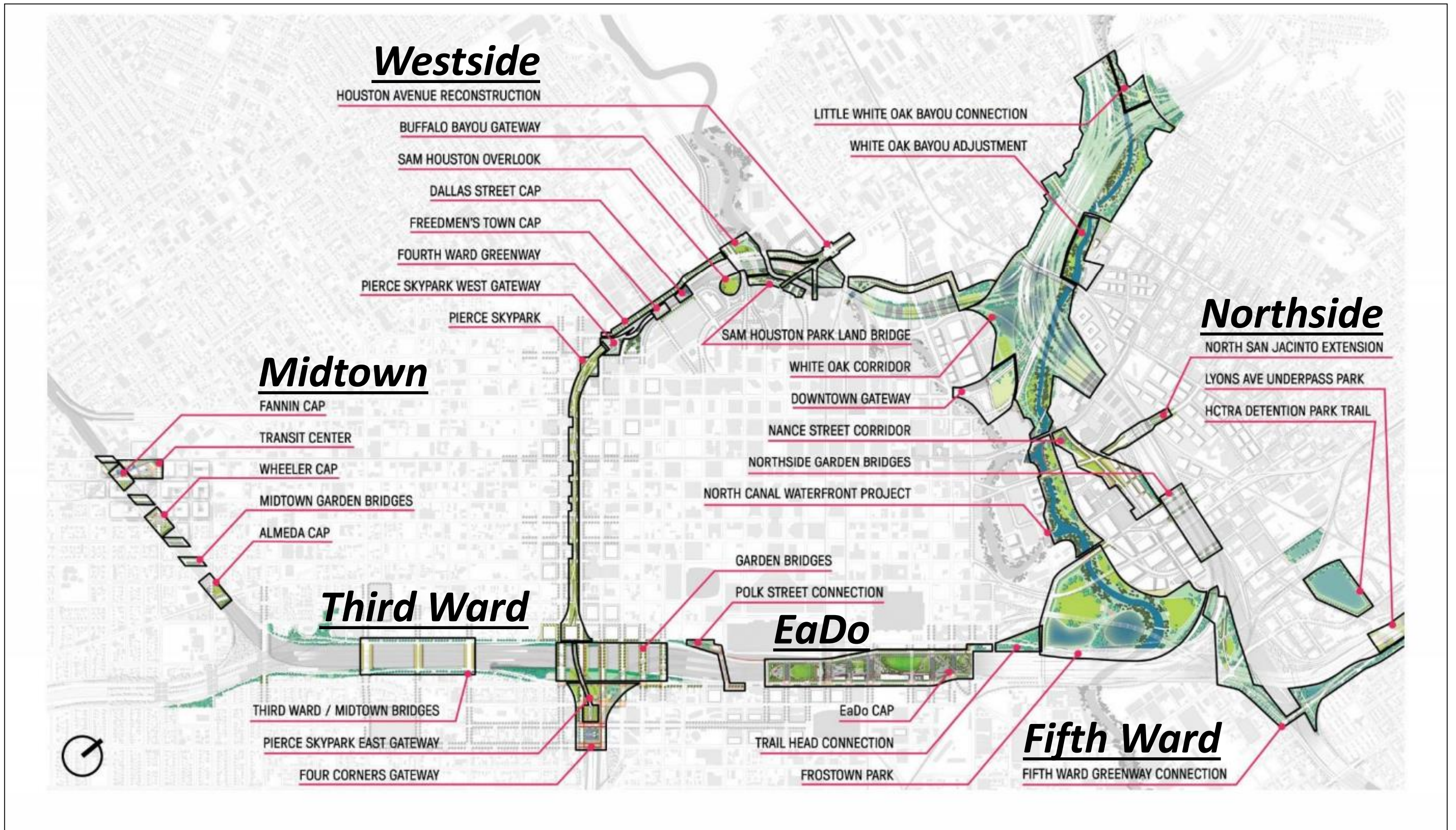
Third Ward



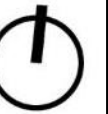
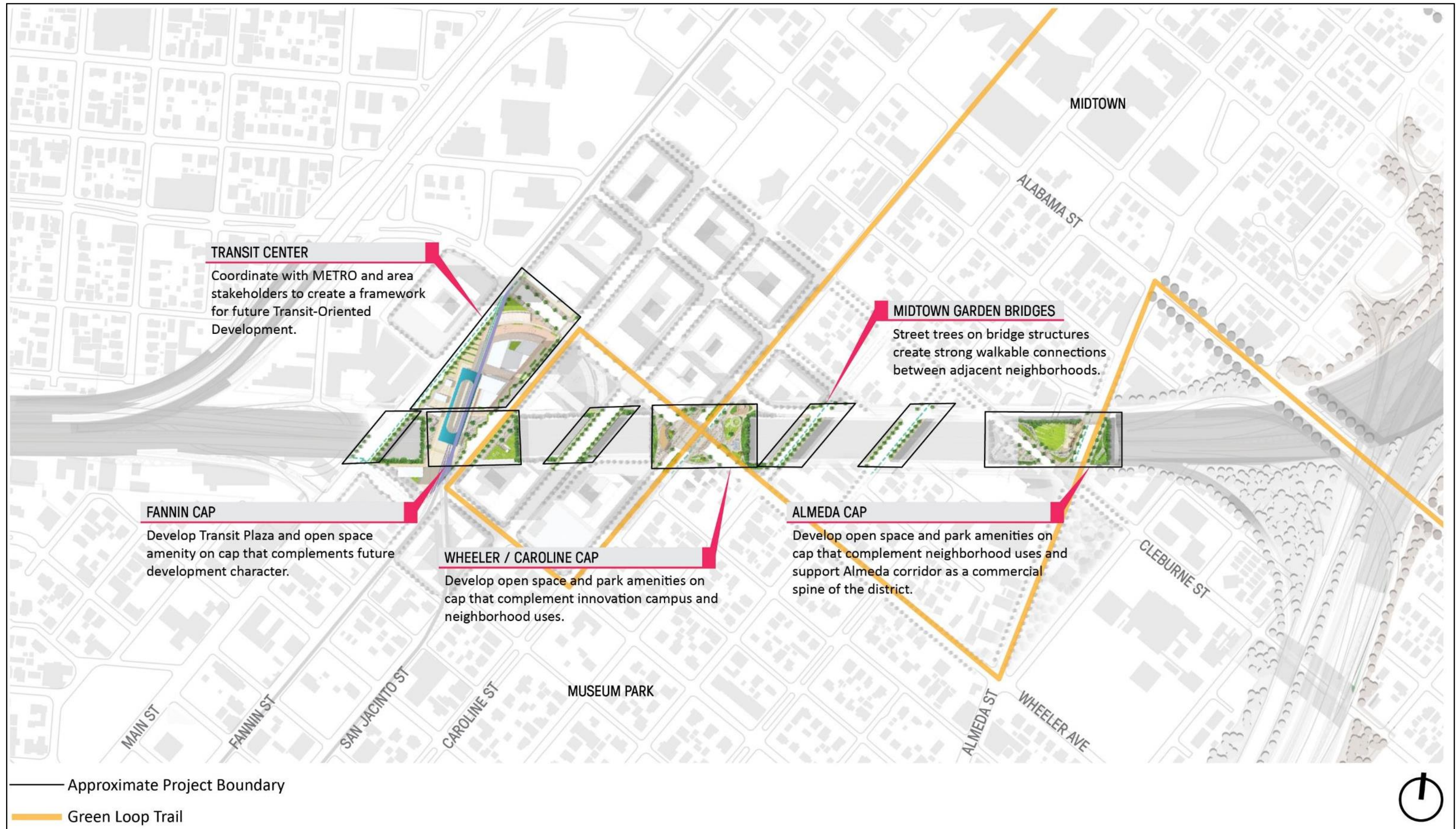
Westside

Potential Projects – NHHIP Segment 3

35 Projects



Potential Projects - Midtown



Potential Projects – Midtown: Fannin Cap



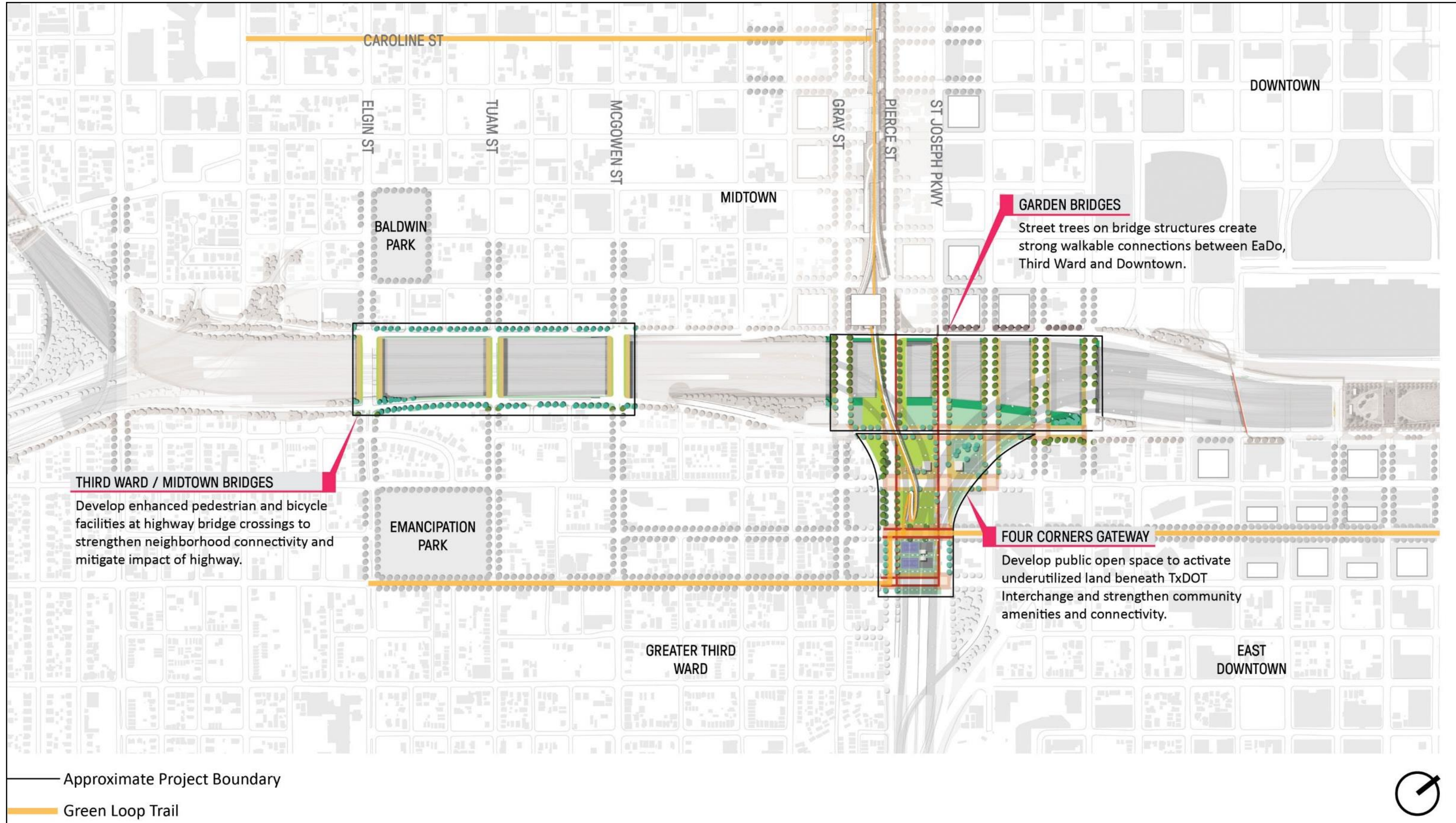
Potential Projects – Midtown: Wheeler/ Caroline Cap



Potential Projects – Midtown: Alameda Bridge



Potential Projects – Third Ward



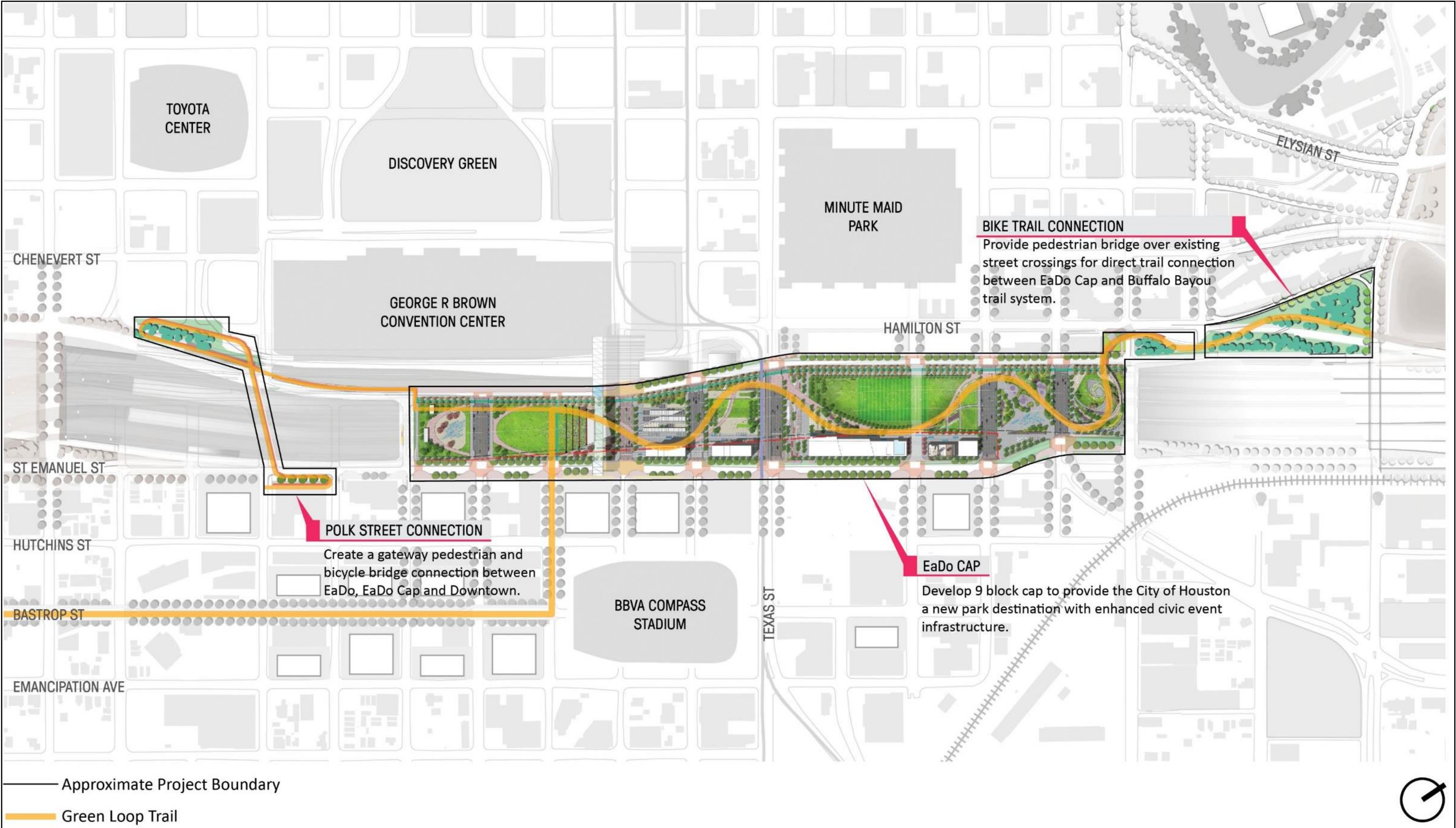
Potential Projects – Third Ward: Arched Bridges



Potential Projects – Third Ward: Four Corners Understory Park



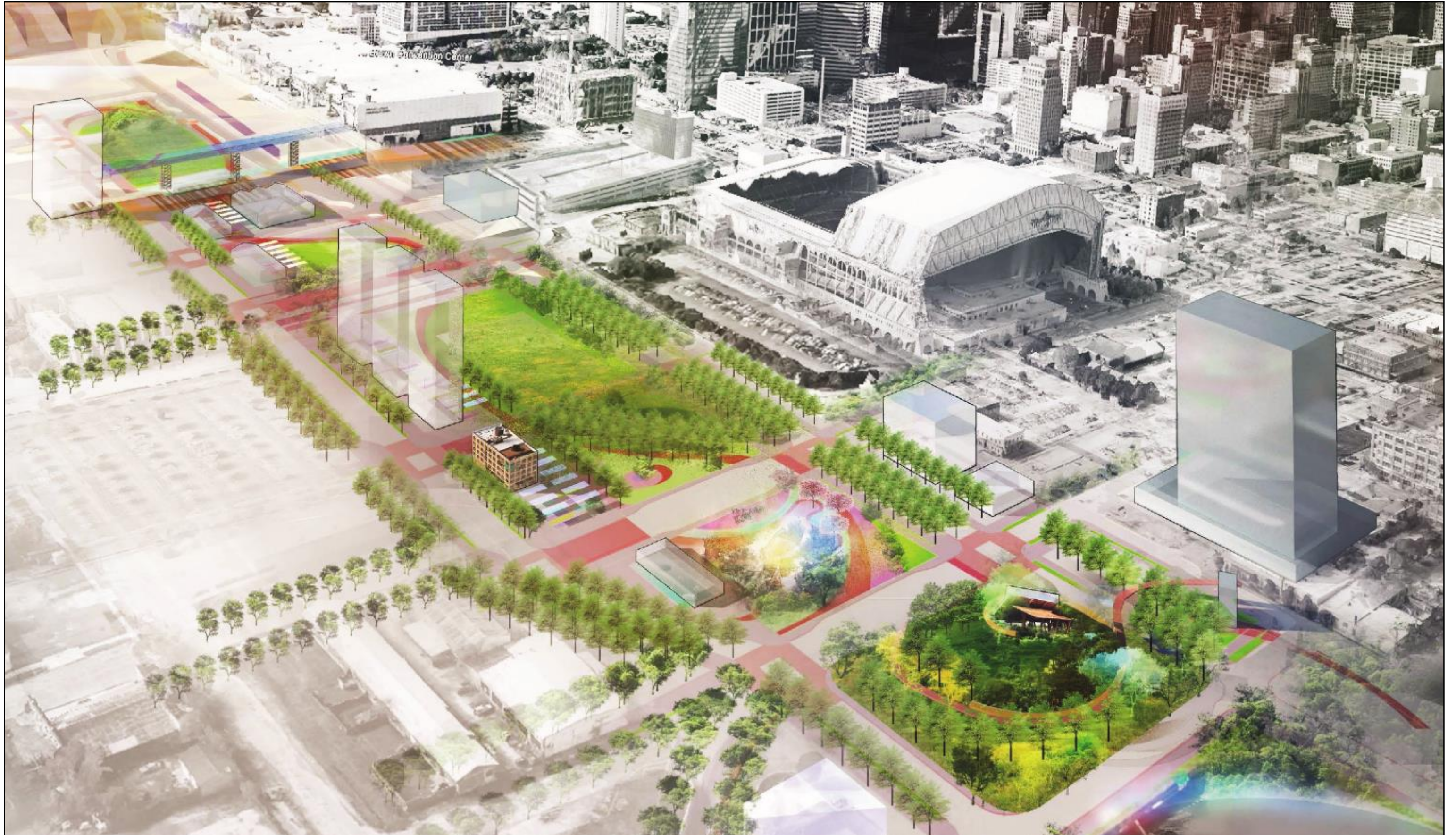
Potential Projects – EaDo Cap Park



— Approximate Project Boundary
— Green Loop Trail



Potential Projects – EaDo Cap Park



Potential Projects – EaDo Cap Park



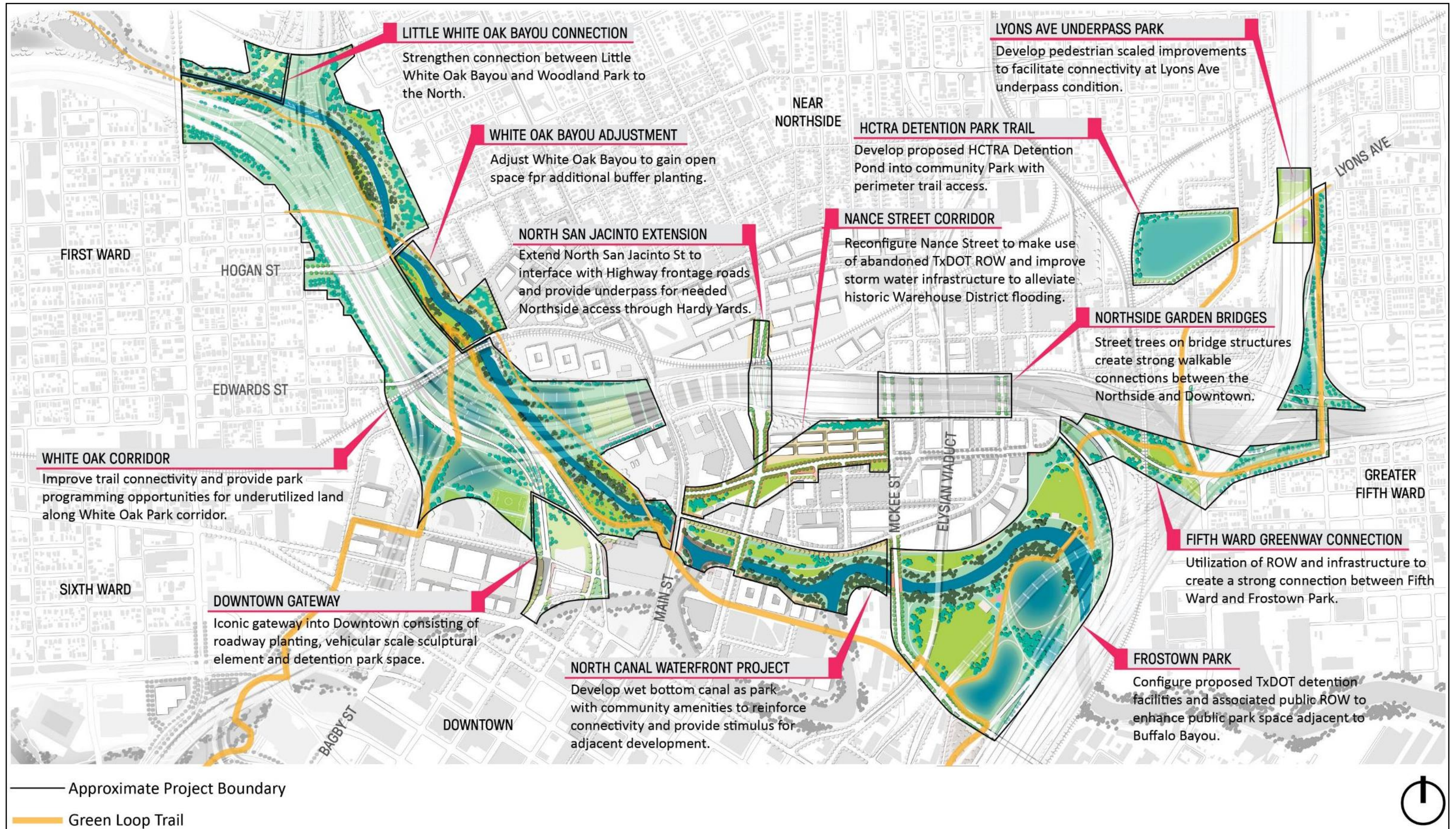
Potential Projects – EaDo Cap Park



Potential Projects – EaDo Cap Park



Potential Projects - Northside



Potential Projects – Northside: White Oak Trails



Potential Projects – Northside: White Oak/ UHD

NEW ELEVATED FREEWAY



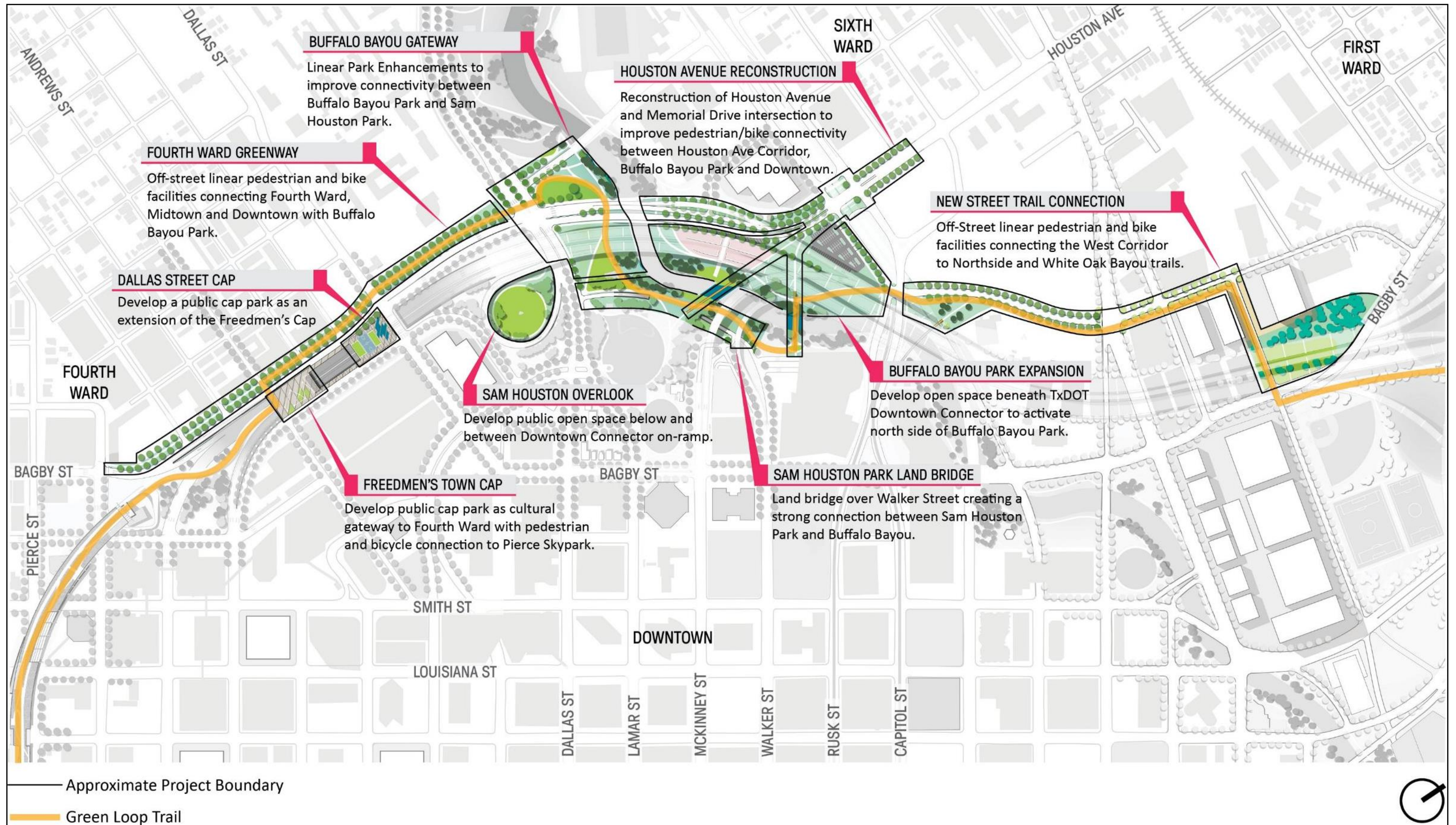
Potential Projects – Northside: North Canal



Potential Projects – Fifth Ward: Frosttown Crossing



Potential Projects - Westside



Potential Projects – Westside : Buffalo Bayou Market



Potential Projects – Westside : Buffalo Bayou Gateway



Potential Projects – Fourth Ward : Andrews Cap

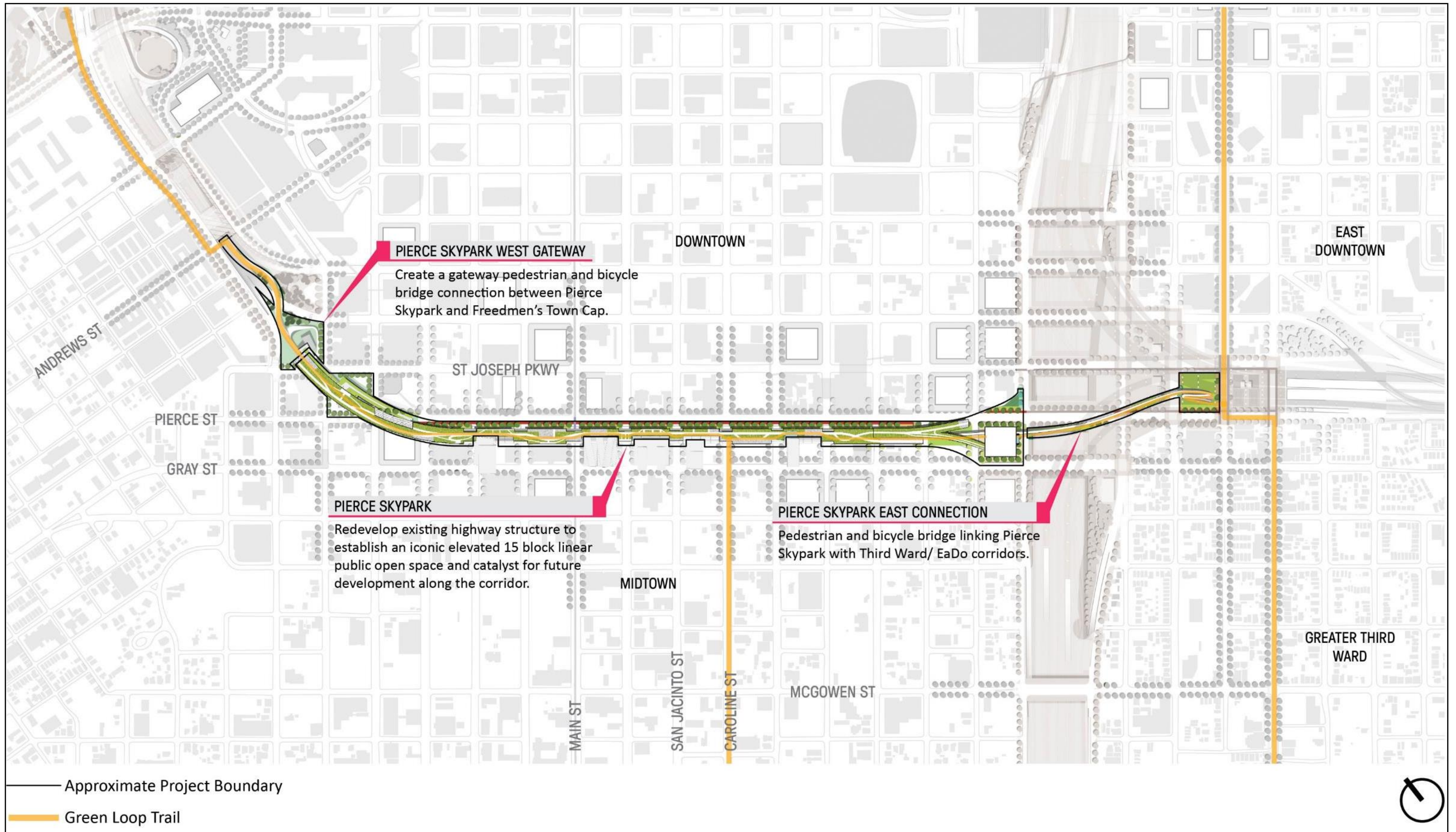


Potential Projects – Fourth Ward : Andrews Cap



ANDREWS STREET

Potential Projects – Pierce Corridor



Potential Projects – Pierce Corridor: Pierce Street Improvements



Potential Projects – Pierce Corridor: Pierce Skypark



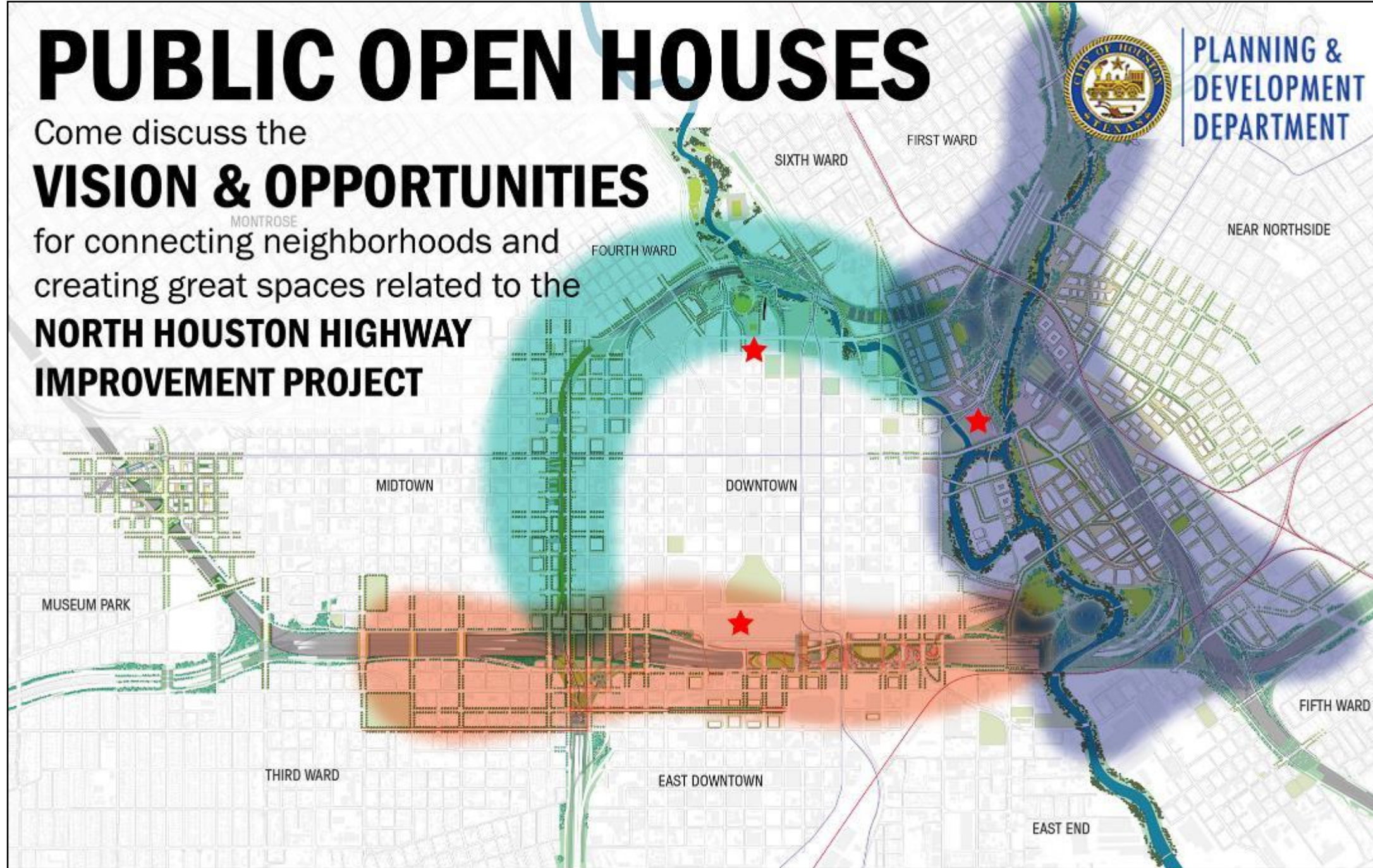
Civic Opportunities – Confirming the Needs Public Input

PUBLIC OPEN HOUSES

Come discuss the
VISION & OPPORTUNITIES
for connecting neighborhoods and
creating great spaces related to the
**NORTH HOUSTON HIGHWAY
IMPROVEMENT PROJECT**



PLANNING &
DEVELOPMENT
DEPARTMENT



EAST SIDE: Wednesday, August 29, 2018, 5:30-7:00 PM

NORTH SIDE: Tuesday, September 4, 2018, 5:30-7:00 PM

WEST SIDE: Thursday, September 13, 2018, 5:30-7:00 PM

George R. Brown Convention Center, Room 360
1001 Avenida De Las Americas, Houston, TX 77010

UH Downtown, Welcome Center, Room GSB 302
201 Girard St, Houston, TX 77007

Houston Public Library, Fourth Floor Program Place
500 McKinney St, Houston, TX 77002

For more information, contact Peter.Eccles@HoustonTX.gov



Civic Opportunities – Confirming the Needs

Public Input

“ADDRESS ISSUES FROM HARVEY”

“FOCUS ON MULTI-MODAL SYSTEM”

“PLEASE DON’T JUST BUILD A BIG DITCH (NORTH CANAL)”

“GREEN SPACE IS CRITICAL”

“BIKE / PED CONNECTIONS TO DESTINATIONS”

“INTEGRATE COMMUNITIES HISTORICALLY CUT OFF BY FREEWAYS AND RAILROADS”

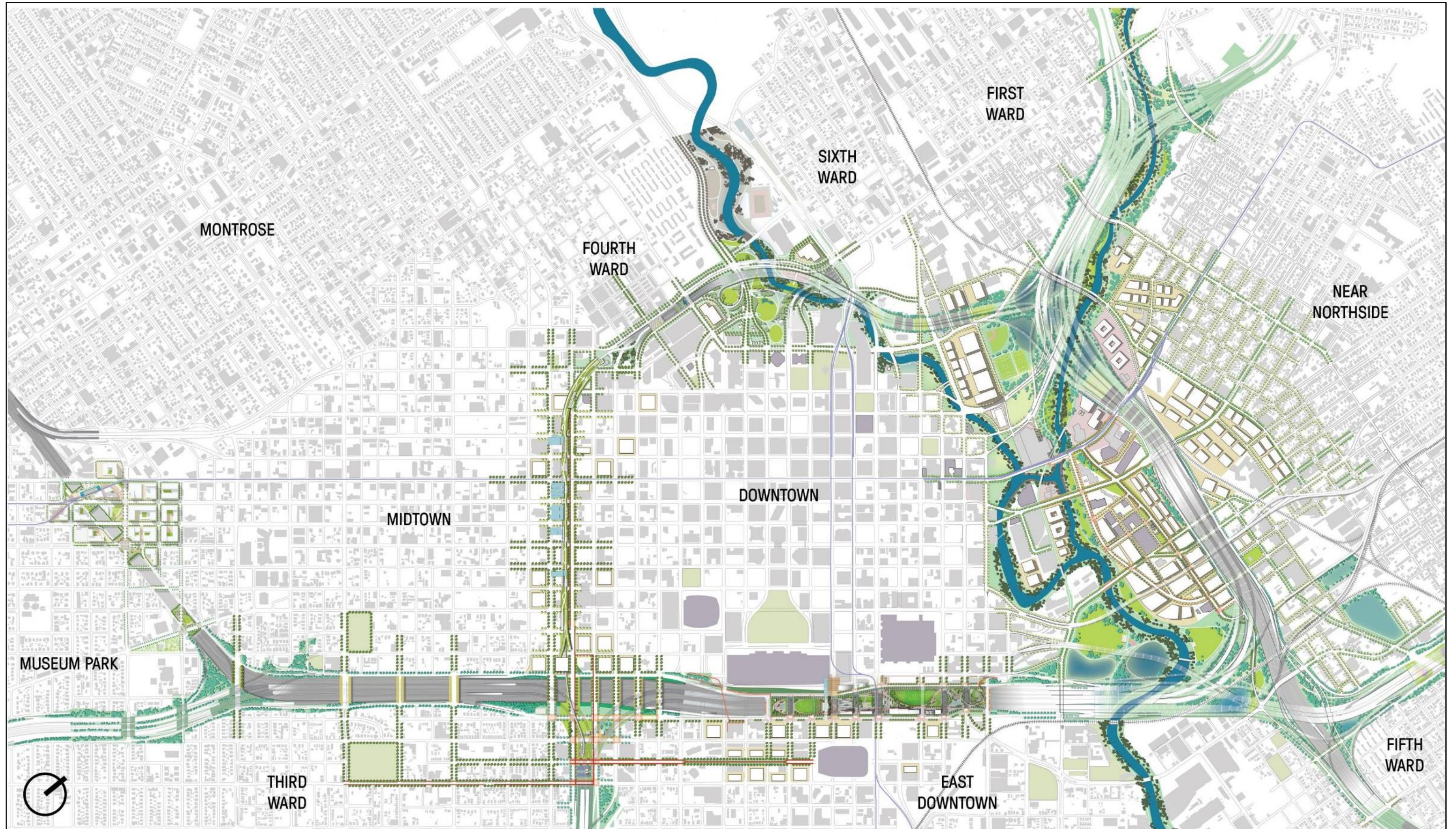
“COMFORTABLE / WALKABLE BRIDGES”

“UNIQUE VISITOR ELEMENTS”



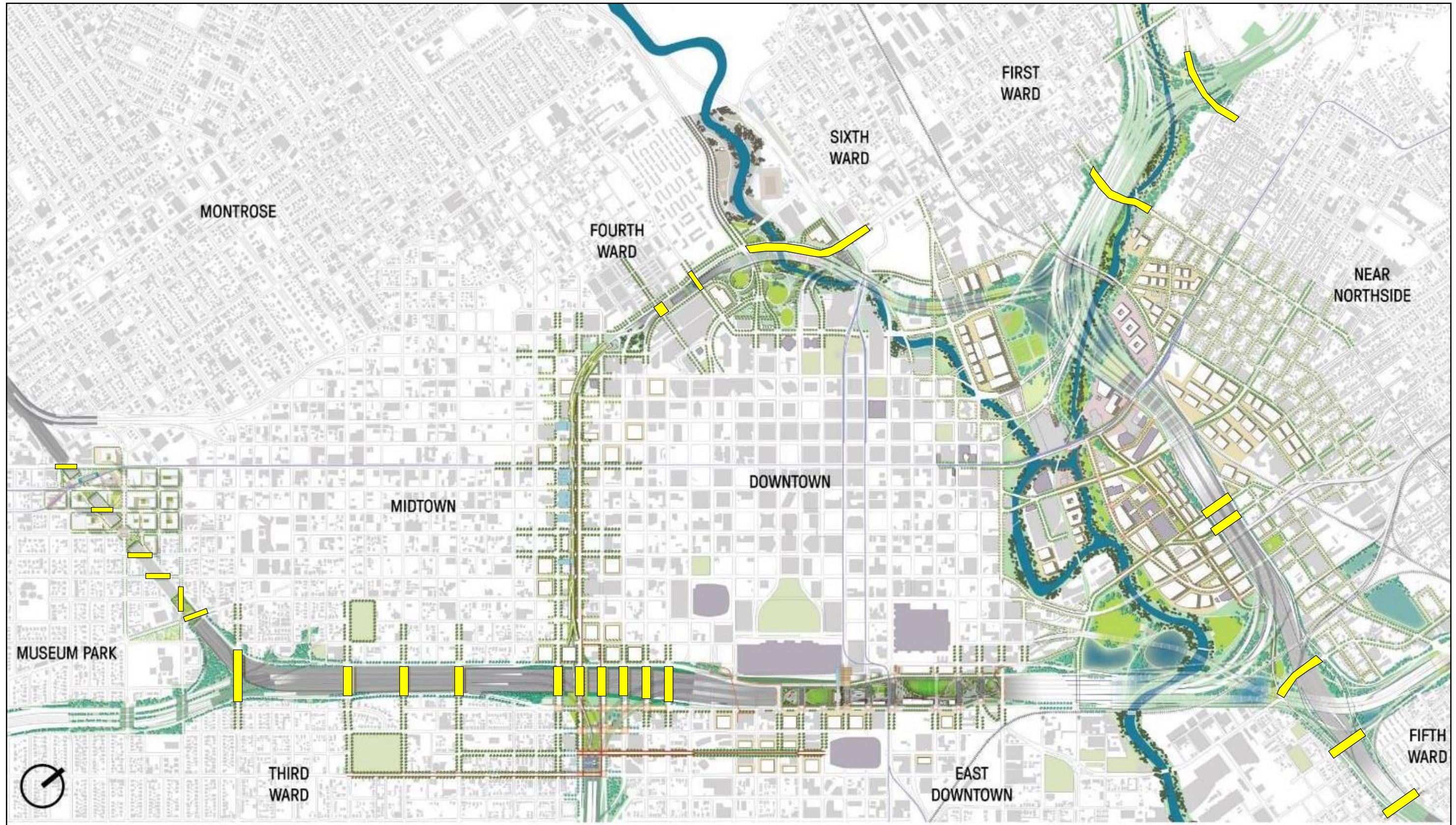
Civic Opportunities – Master Plan

Fall 2018



Civic Opportunities – NHHIP Segment 3 Assets

44 Street Crossings / 26 Bridges Rebuilt Across the Project



Civic Opportunities – Coordination: City Street Crossings

TxDOT & City of Houston Collaboration

44 City Street Crossings / 26 Bridges

Proposed Bike Lanes

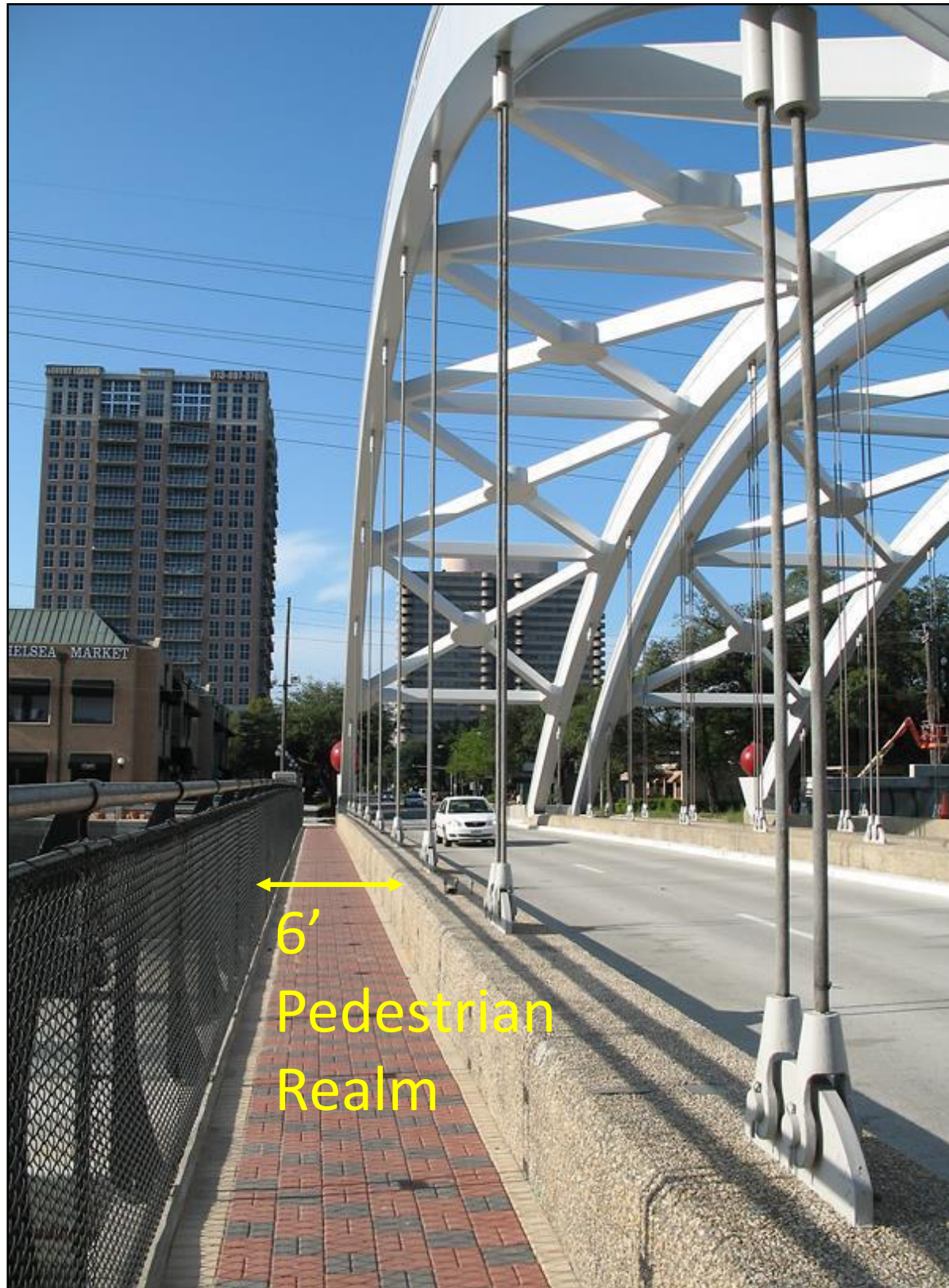
Proposed Pedestrian Realm Width



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)	NORTH OR EAST PED REALM				SOUTH OR WEST PED REALM			
								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 (I-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	5	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	YES	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)	UNDER	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			17	7	5	5

Civic Opportunities – Coordination: City Street Crossings

Montrose Bridge Lessons Learned



Civic Opportunities – Coordination: City Street Crossings

Bridge Width & Pedestrian Realm



10' - 17' Pedestrian Realm

Civic Opportunities – Coordination: City Street Crossings

Bridge Width & Pedestrian Realm

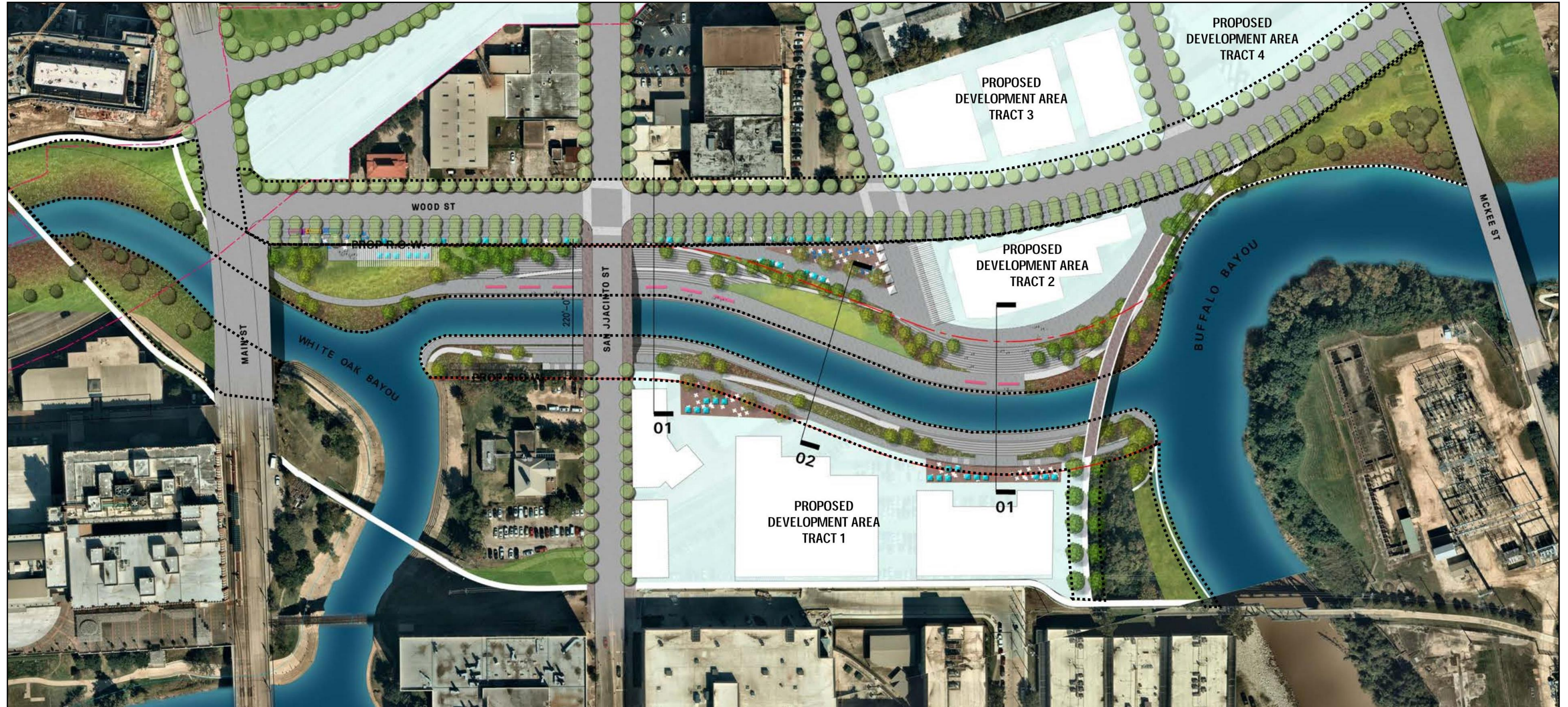


Existing Bridges

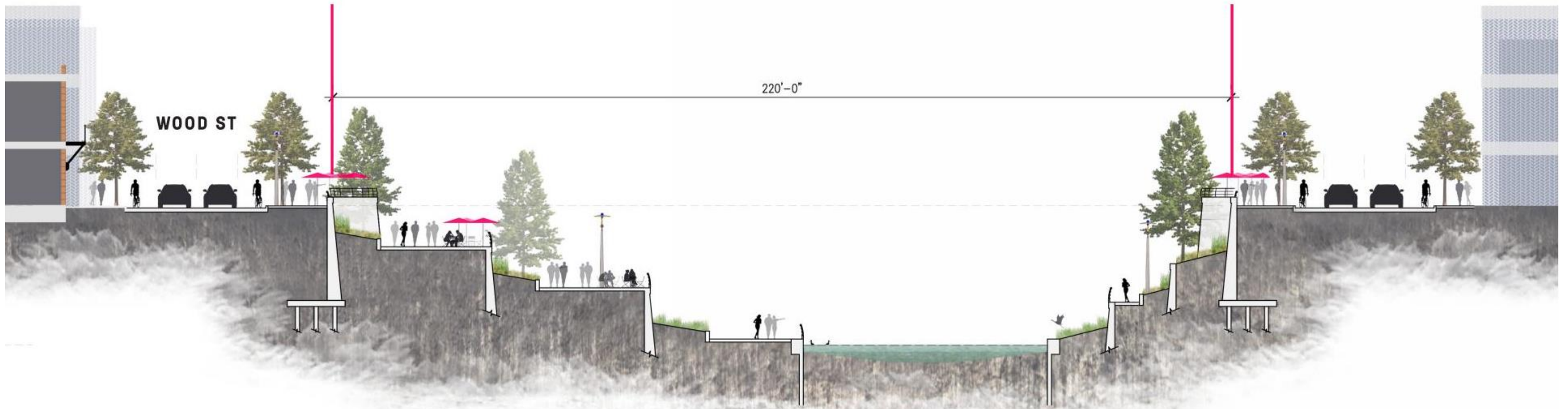


NHHIP Garden Bridges

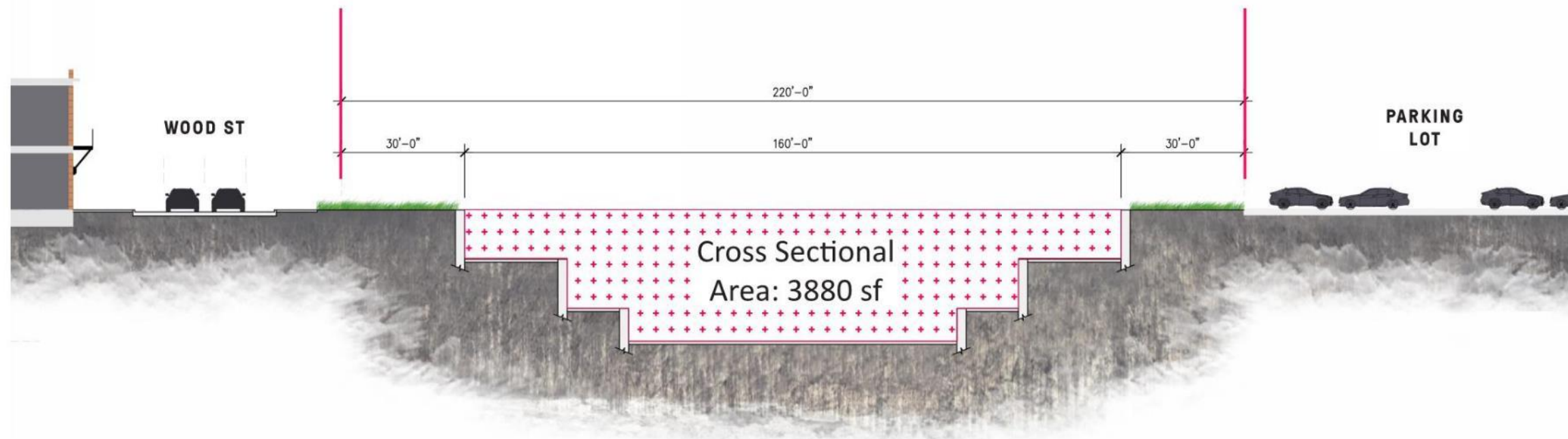
Civic Opportunities – Coordination: North Canal Pedestrian Realm



Civic Opportunities – Coordination: North Canal Pedestrian Realm



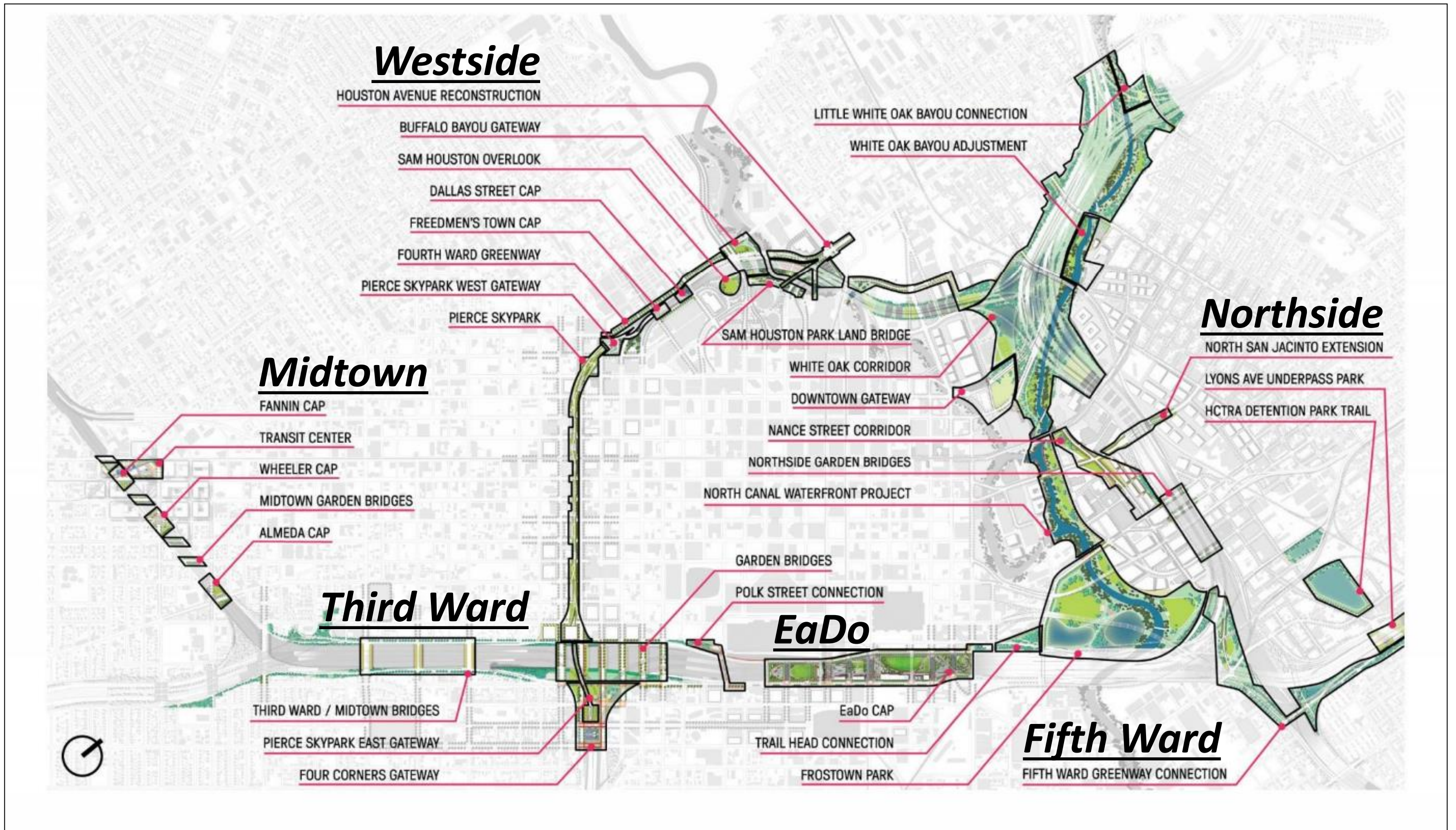
North Canal – Civic Opportunity Section



North Canal – Proposed Section

Potential Projects – NHHIP Segment 3

35 Projects

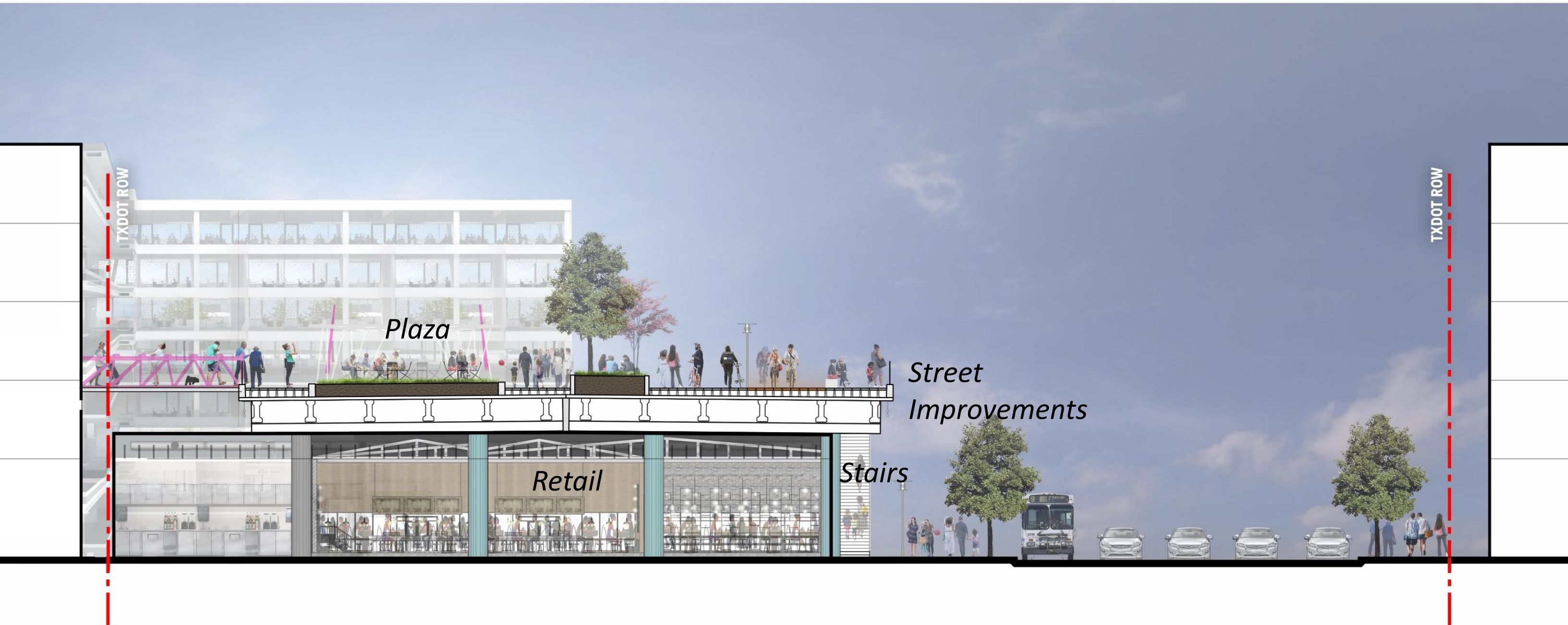


Civic Opportunities – Identify for Each of the 35 Projects

- ***Project Limits***
- ***Project Program & Quantities***
- ***Current Property Ownership***
- ***Ultimate Property Ownership (Conveyance Process & Timing)***
- ***TxDOT Scope Integration & Time Table Deadlines***
- ***Lead Development Entity/ Participating Entities***
- ***Estimated Project Capital Costs***
- ***Potential Sources of Capital Funds***
- ***Cost Allocation Between Sources***
- ***Operating Entity (or Entities)***
- ***Estimated Project M&O Costs***
- ***Potential Sources of M&O Funds***
- ***Project Timetable/ Coordination with Other Projects***
- ***Development Issues/ Challenges***
- ***Stakeholder/ Community Support***

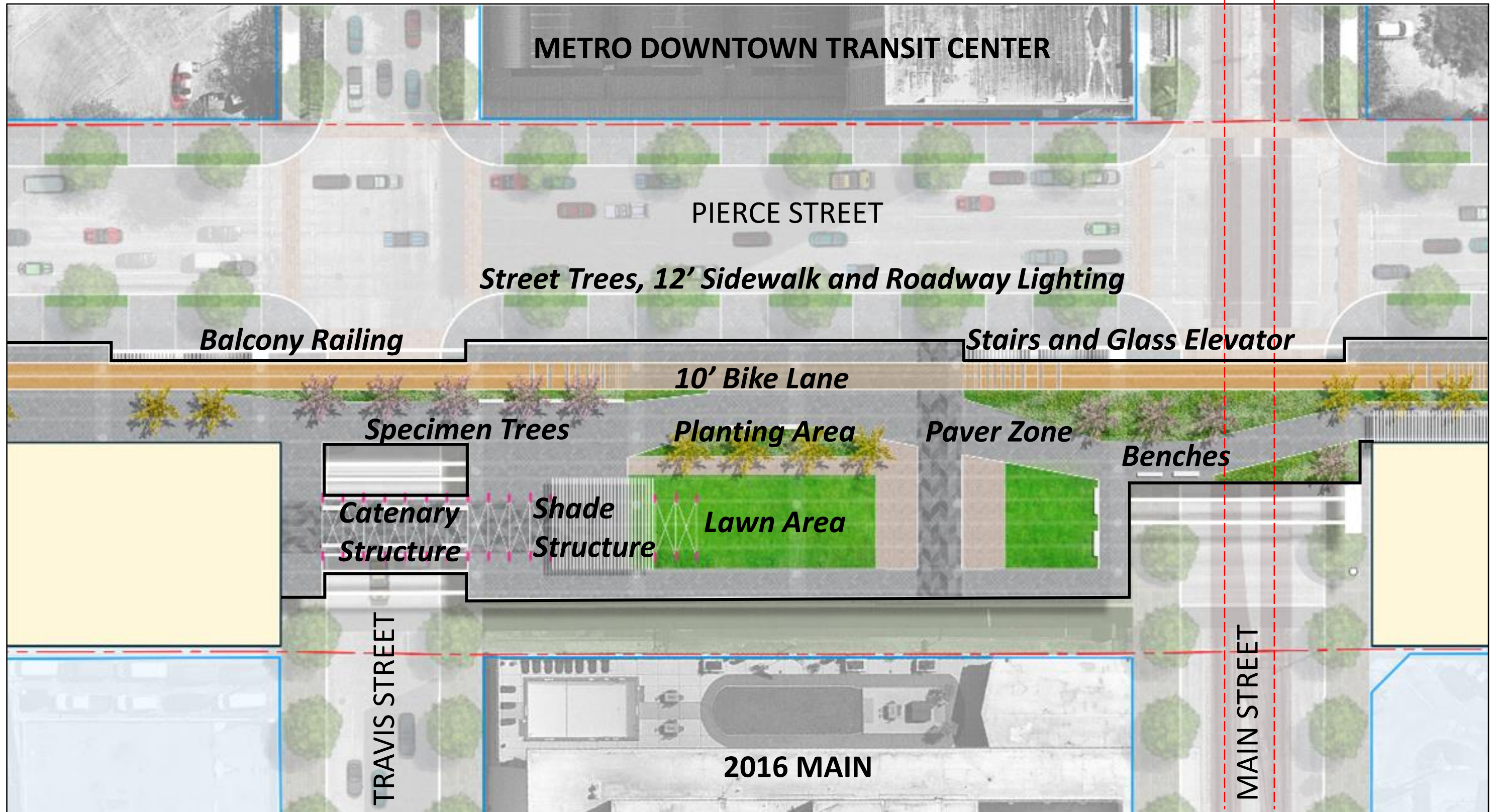
Civic Opportunities – Pierce Corridor Detail

Skypark Plaza Section



Civic Opportunities – Pierce Corridor Detail

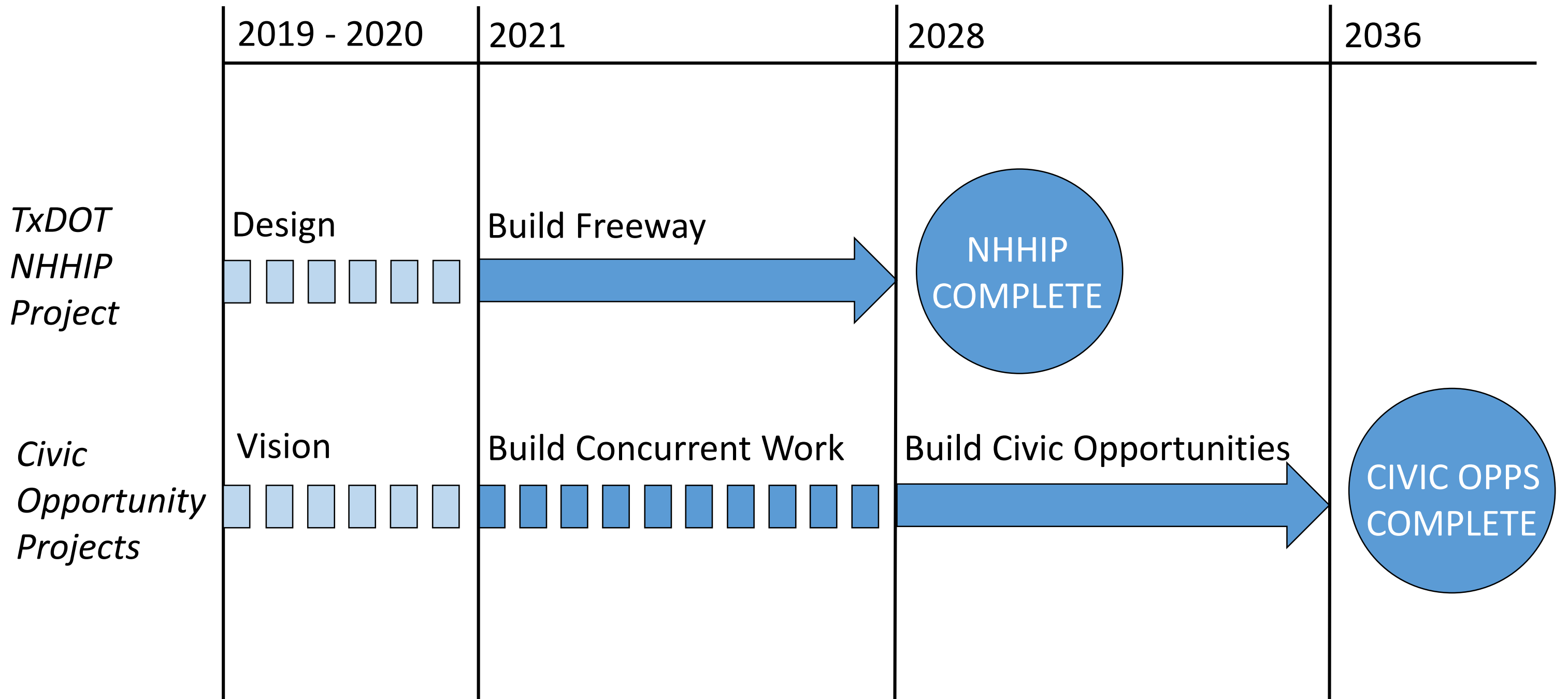
Skypark Plaza Plan



Civic Opportunities – Potential Funding Sources

- *TxDOT*
- *Tax Increment Reinvestment Zones*
- *Municipal Management Districts*
- *TxDOT- City Land Swaps*
- *Houston First Corporation*
- *Harris County Houston Sports Authority*
- *New Venue District*
- *Harris County Flood Control District*
- *H-GAC Transportation Improvement Program*
- *Public Private Partnerships (P3)*
- *Revenue from Operations*
- *Corporate Sponsorship*
- *Charitable Contributions*

Civic Opportunities – Potential Capital Funding



Civic Opportunities – Potential Economic Impact

FINDINGS | The civic opportunities can generate a total benefit on the order of \$7.2B. The whole is greater than the sum of its parts.

Benefit Type	Low	Medium	High
Worker & Resident Attraction	\$3.3B	\$4.4B	\$5.5B
Visitor Spending	\$0.9B	\$1.1B	\$1.3B
Real Estate Development	\$0.8B	\$1.0B	\$1.3B
Real Estate	\$0.6B	\$0.7B	\$0.9B
Total	\$5.6B	\$7.2B	\$9.0B

