



I-69 PEL Summary

I-69 Planning and Environmental Linkages (PEL) Study Spur 527 to Beltway 8 South

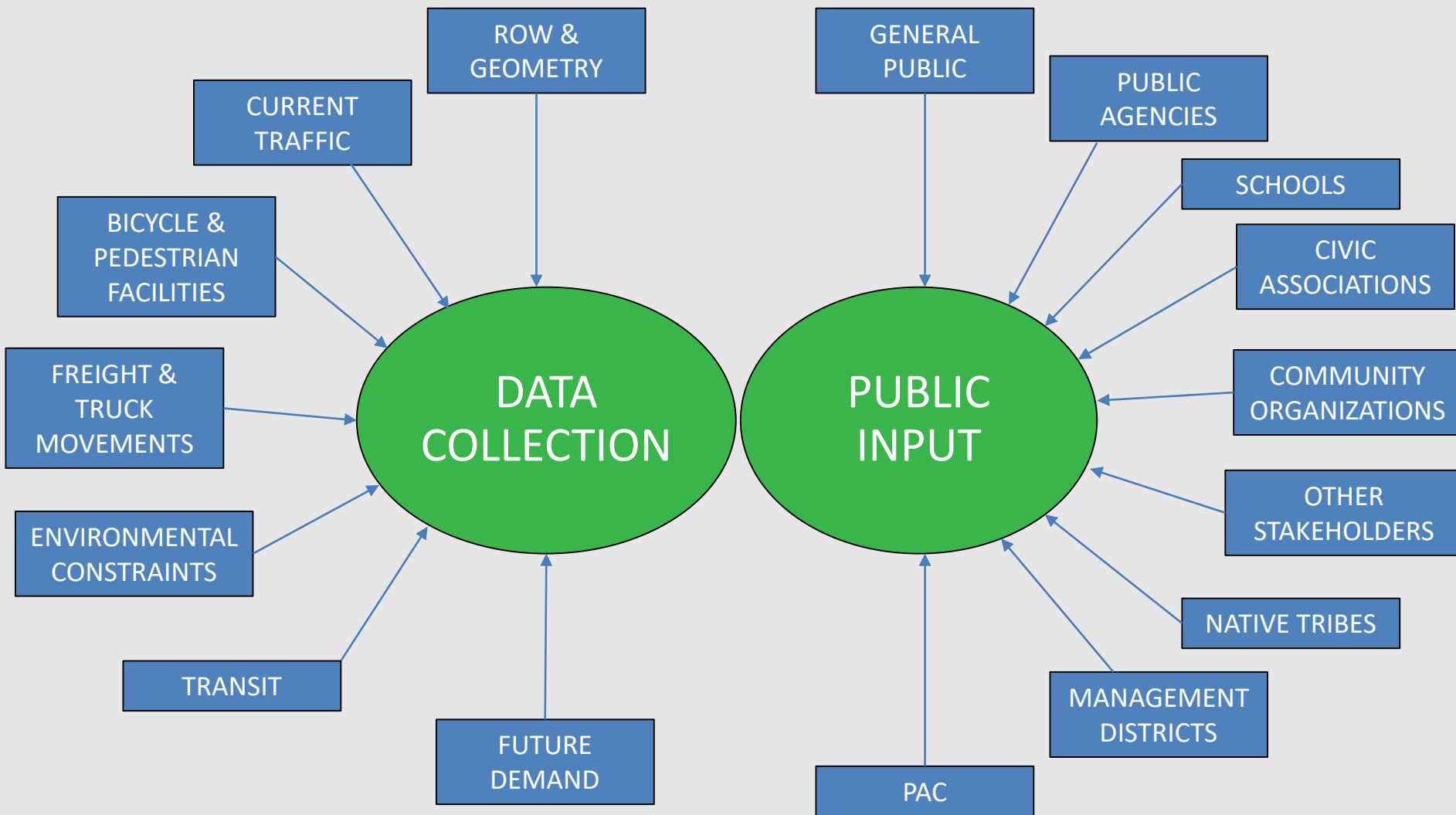


STUDY LIMITS – SPUR 527 TO BELTWAY 8

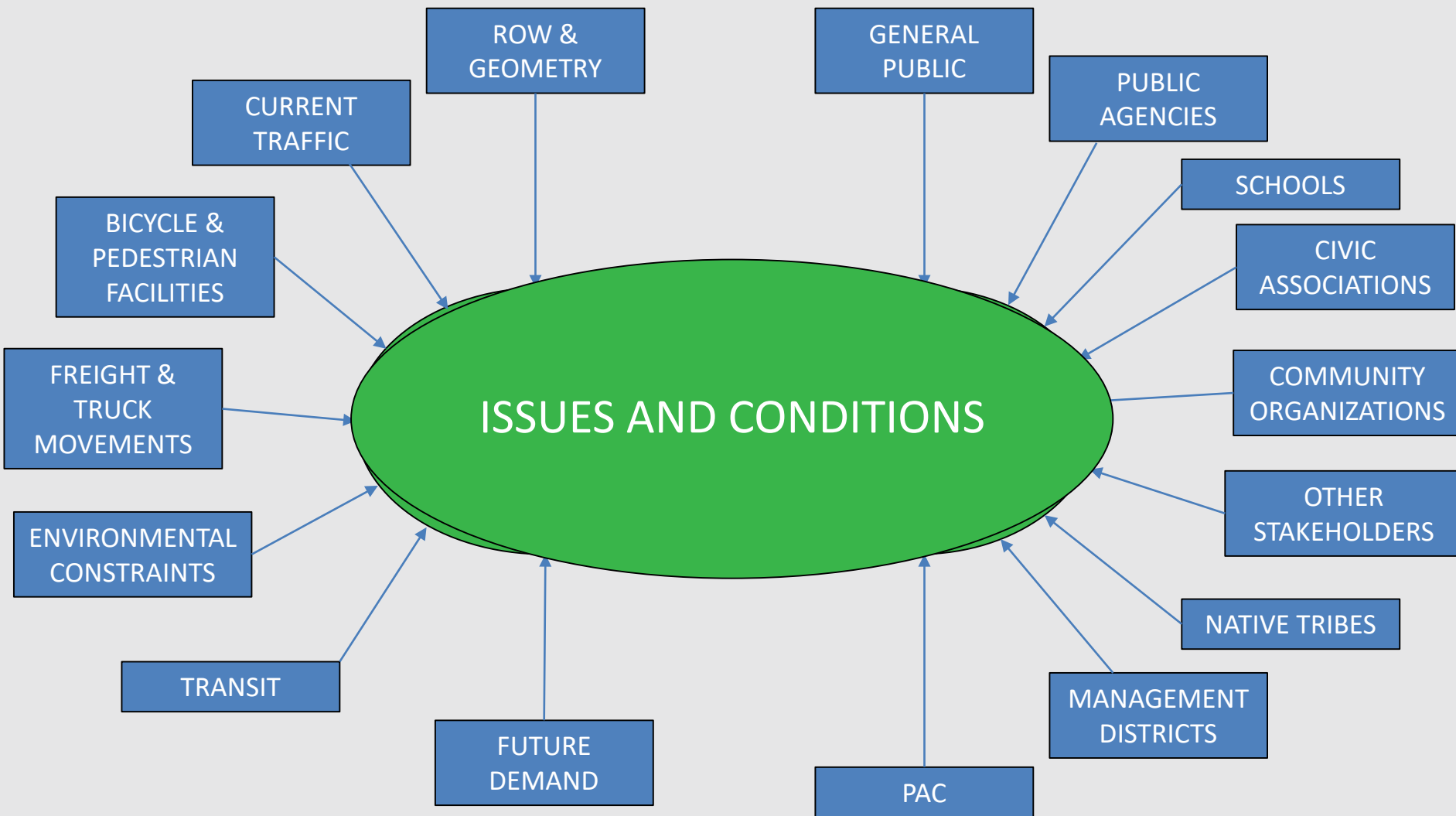
Corridor Length = 14 miles



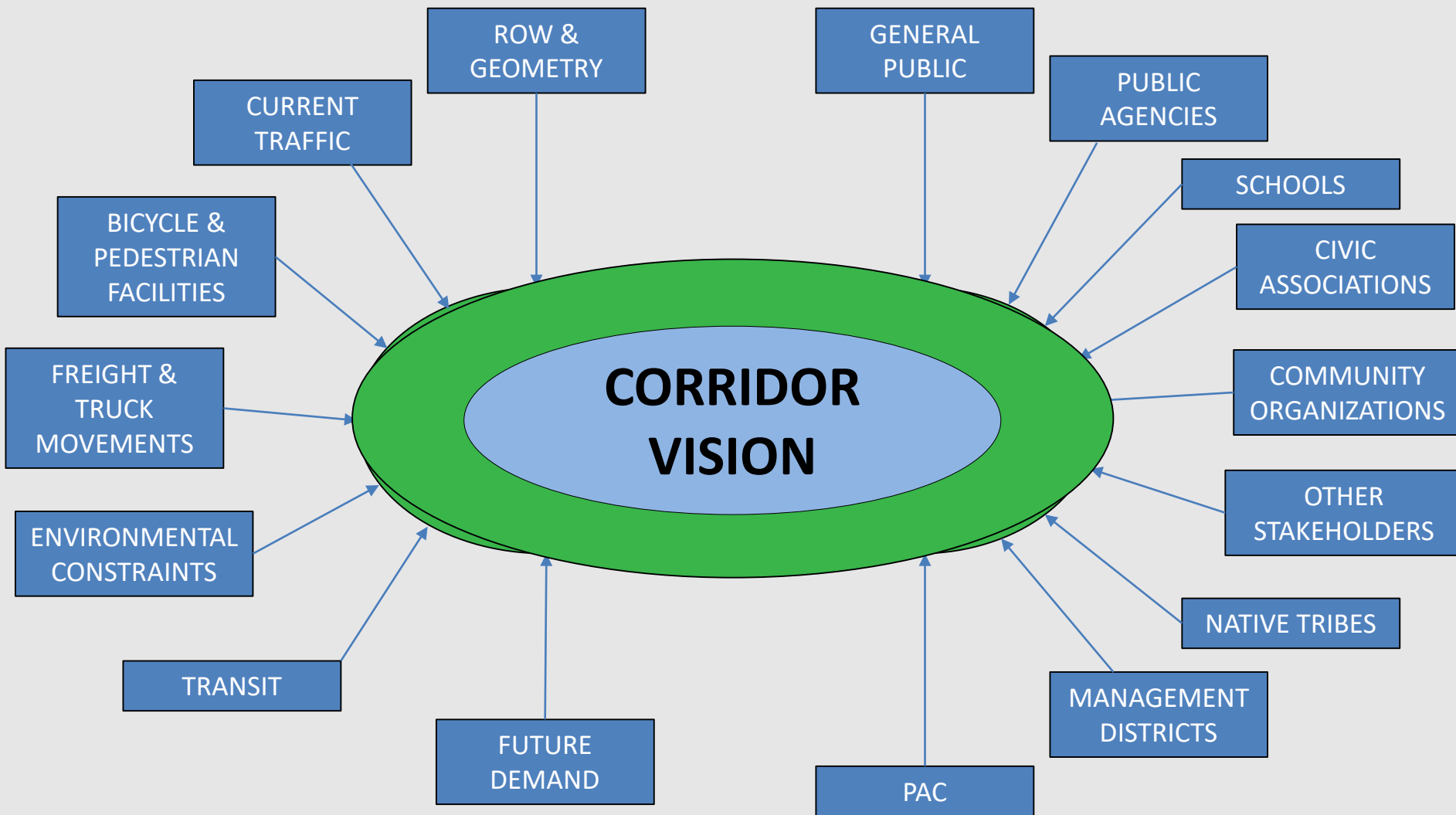
SUMMARY OF PROCESS



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SUMMARY OF PROCESS





NO-BUILD ANALYSIS

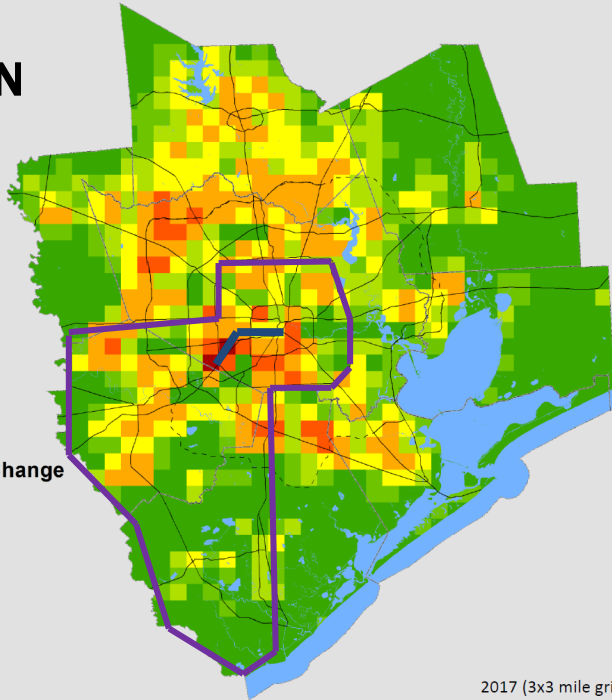
EXPRESS LANE
HOV LANE EXITS
EDLOE ST 2
HILLCROFT TRANSIT CENTER 6
VIA WESTWOOD 12

59 SOUTH
Victoria
Shepherd Dr
Greenbriar Dr
3/4 MILE
EXIT ONLY

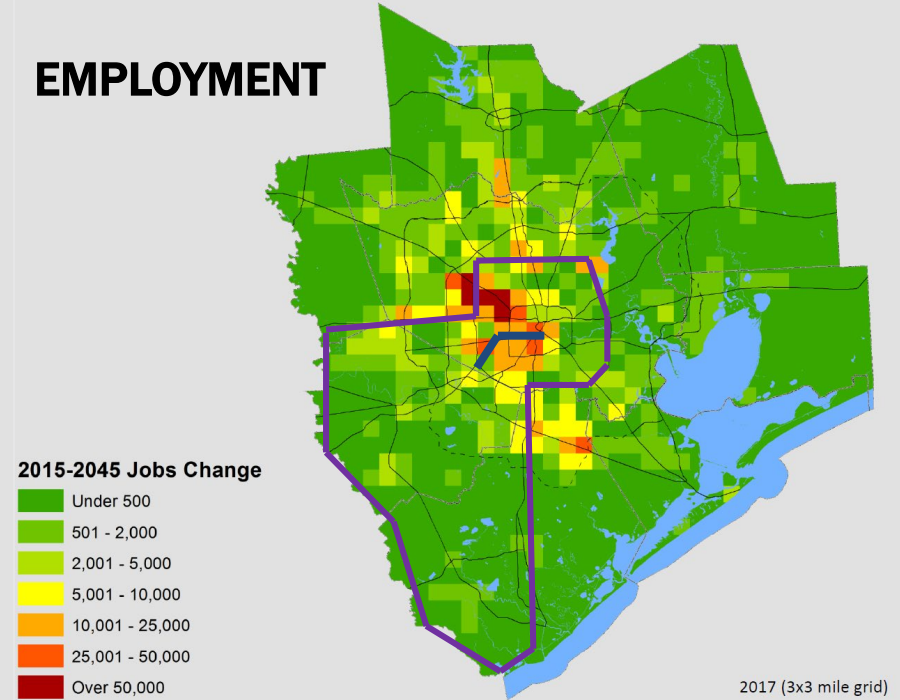


H-GAC REGIONAL GROWTH FORECAST

POPULATION



EMPLOYMENT

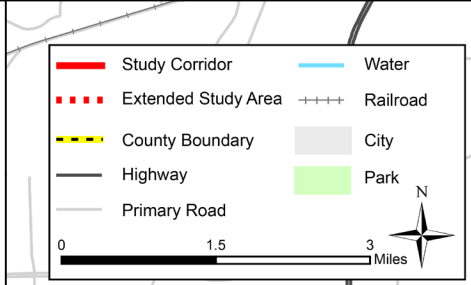
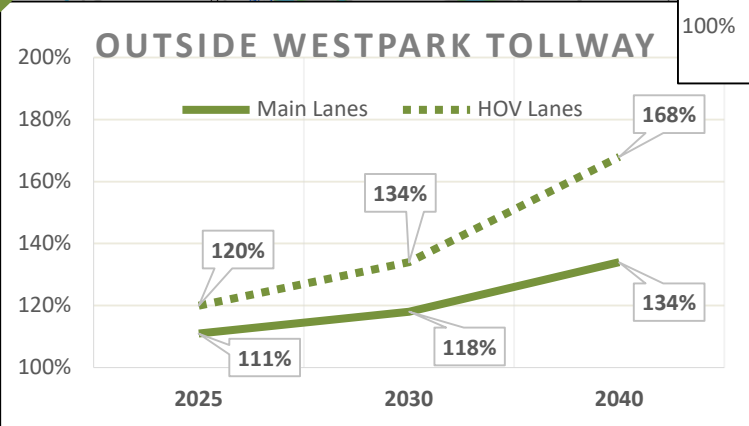
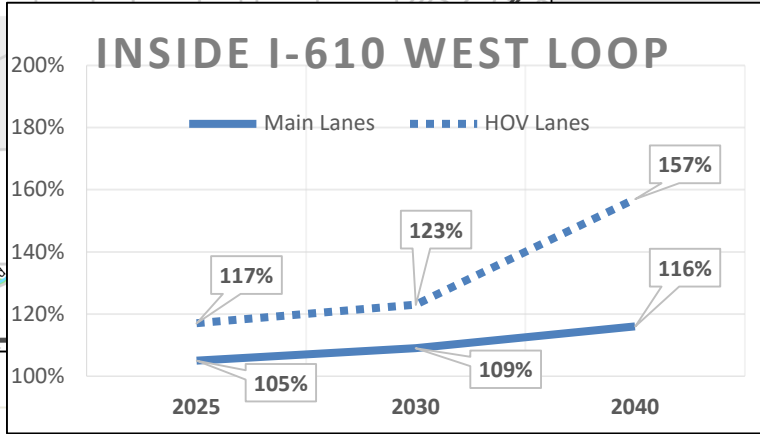
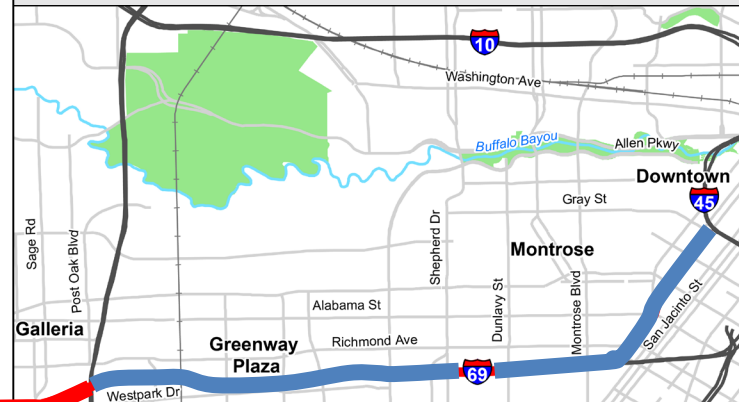
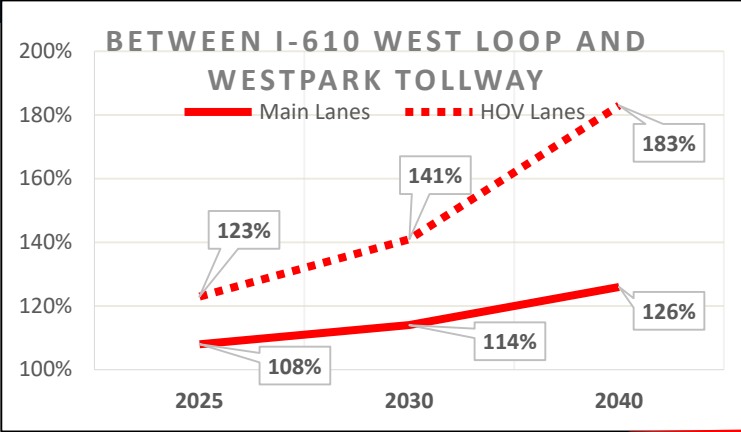


Regional Growth	2015	2045	Total Increase	Annual Increase
Population	6,534,000	10,762,000	64.71%	1.68%
Jobs	3,198,000	4,770,000	49.16%	1.34%

Central & SW Growth	2015	2045	Total Increase	Annual Increase
Population	3,520,000	5,137,000	45.94%	1.27%
Jobs	1,978,000	2,779,000	40.50%	1.14%



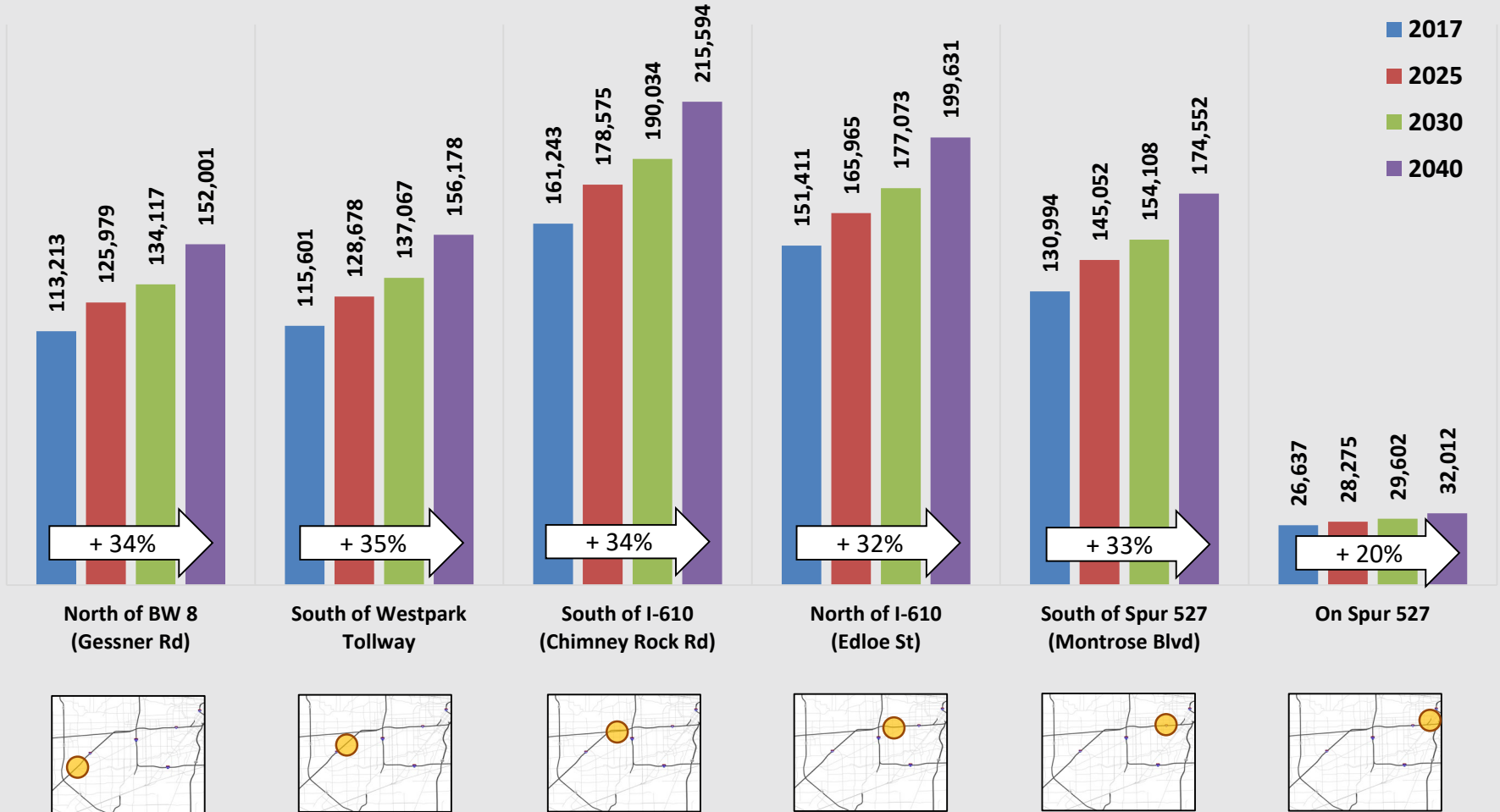
TRAFFIC GROWTH COMPARED TO 2017



Source: H-GAC Travel Demand Model; Future year modeling by WPM



TRAFFIC GROWTH 2017 – 2040



TRAFFIC VOLUMES – AVERAGE DAILY TRAFFIC

Source: 2017 traffic counts;
Future year modeling by WPM



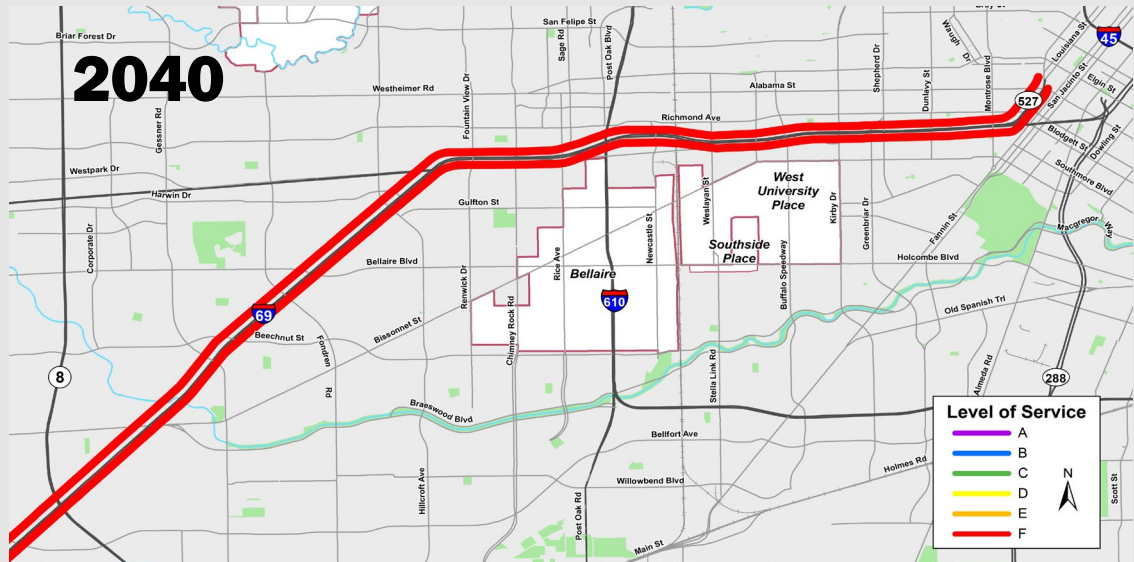
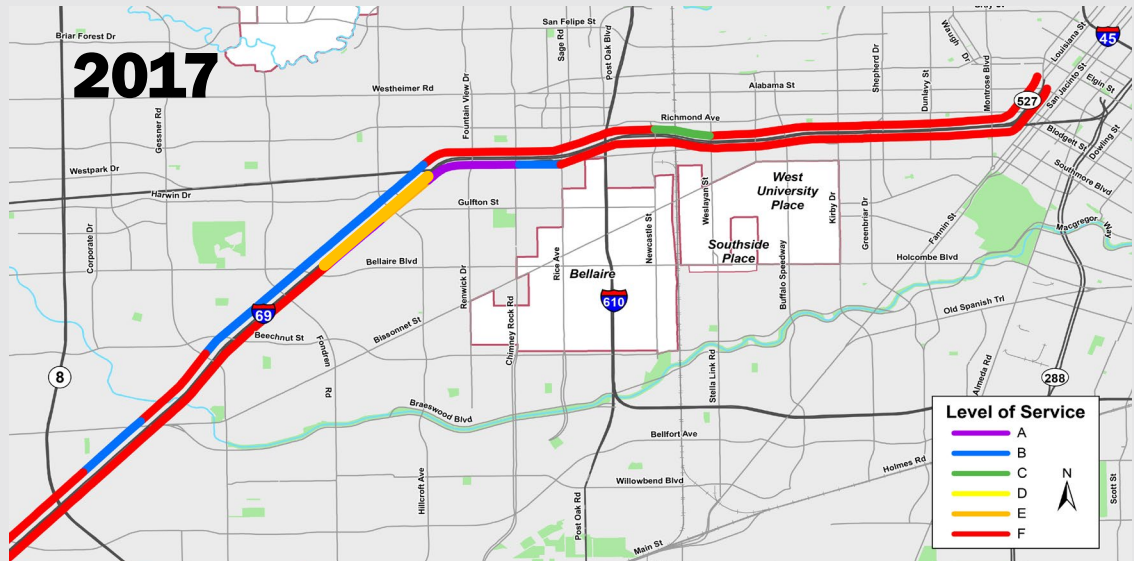
LEVEL OF SERVICE (CONGESTION) 2017 & 2040

AM PEAK

Level of Service is a measure of how much congestion occurs.

It is a letter grade from A (best) to F (worst).

LOS A-B		Increasing Levels of Congestion
LOS C-D		
LOS E-F		


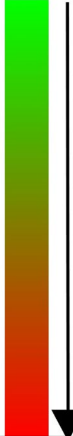



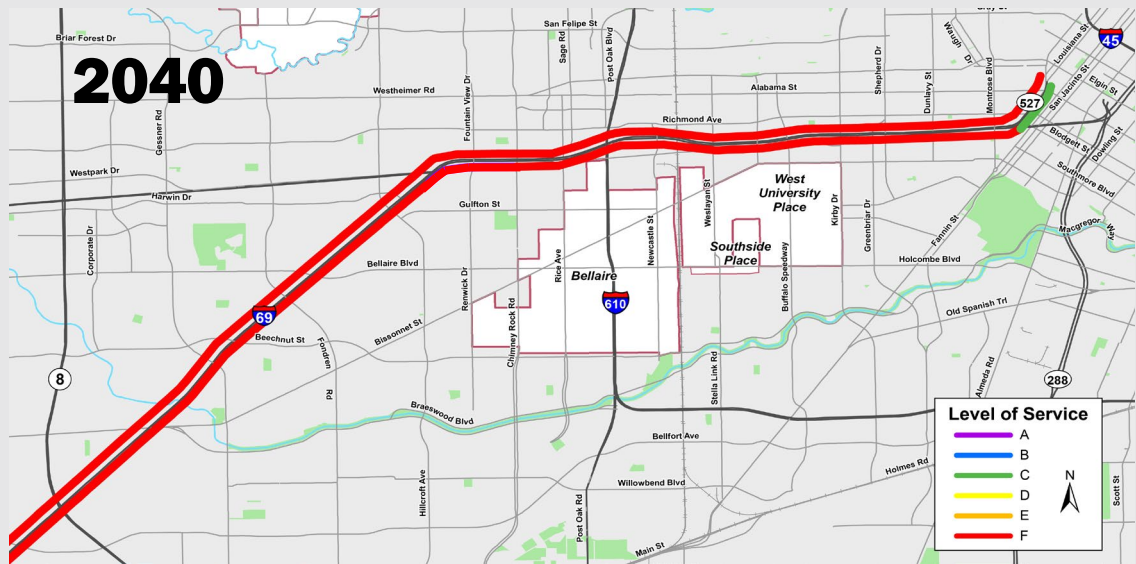
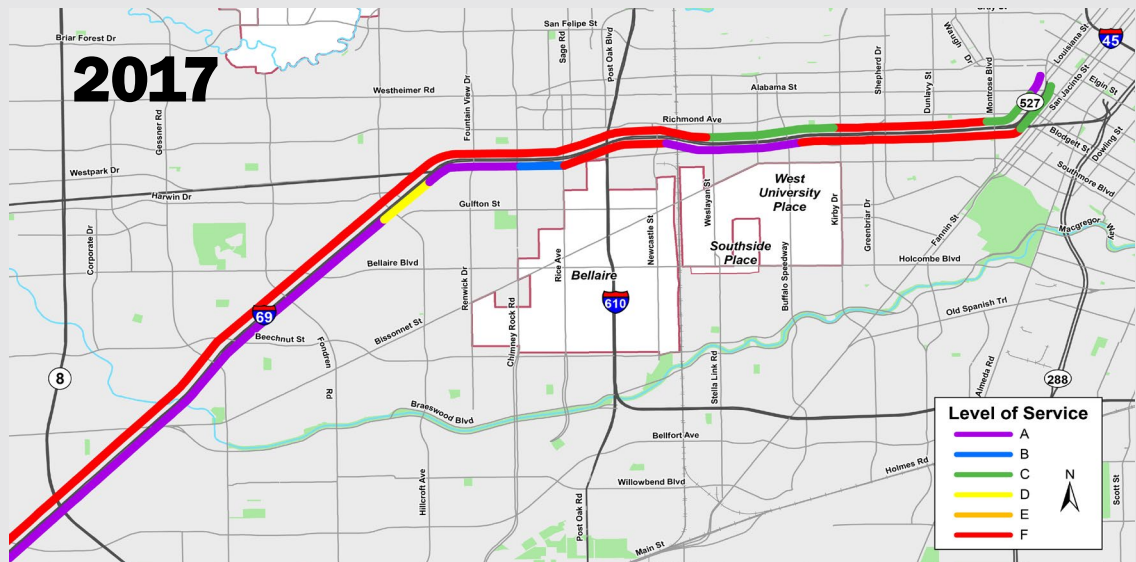
LEVEL OF SERVICE (CONGESTION) 2017 & 2040

PM PEAK

Level of Service is a measure of how much congestion occurs.

It is a letter grade from A (best) to F (worst).

LOS A-B		 <p>Increasing Levels of Congestion</p>
LOS C-D		
LOS E-F		





PUBLIC INPUT SUMMARY

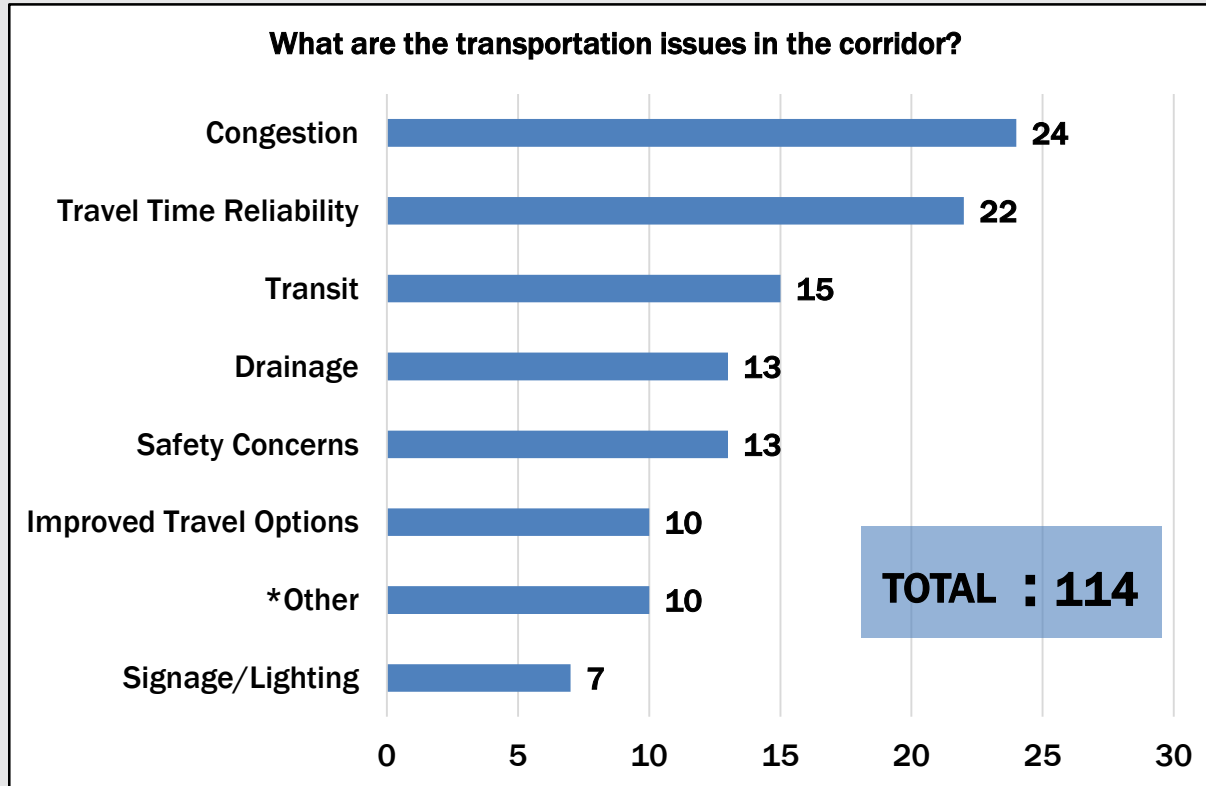


PROJECT MEETINGS HELD

DATE	MEETING TYPE	LOCATION	ATTENDANCE	COMMENTS/SURVEYS SUBMITTED
12/5/2017 10:00A-Noon	Project Ambassadors Committee Meeting	TxDOT Auditorium 7600 Washington Ave. Houston, TX	6	4
12/12/2017 10:00A-Noon	Stakeholder Meeting	TxDOT Auditorium 7600 Washington Ave. Houston, TX	12	9
1/25/2018 10:00A-Noon	Agency Meeting	TxDOT Auditorium 7600 Washington Ave. Houston, TX	2	0
3/27/2018 5:30P-7:30P	Public Meeting	Clarewood House Auditorium 7400 Clarewood Dr. Houston, TX	51	18
3/29/2018 5:30P-7:30P	Public Meeting	Four Points by Sheraton 2828 Southwest Frwy Houston, TX	41	11
	Post-Public Meeting Comments			9
TOTALS			112	51



SURVEY RESULTS – TRANSPORTATION ISSUES










Combined totals for all meetings

*Other

- Noise (3)
- Intersection Issues (2)
- Entrance Ramp Issues
- Pollution
- Need Separate Truck Lanes
- Need Multilane, 24/7 Managed Lanes
- Street Racing



CORRIDOR GOALS EXERCISE

GOALS	3/27/2018 Clarewood	3/29/2018 Four Points	2-Day Totals
 Improve Public Safety	10	14	13%
 Improve Mobility	23	21	23%
 Increase Multi-Modal Opportunities	17	21	20%
 Avoid and Minimize Social, Economic, and Environmental Impacts	26	13	20%
 Optimize the Use of Existing Right-of-Way	14	12	14%
 Other Suggestions Added by Attendees	13	7	10%
 Total Votes from each meeting	103	88	100%

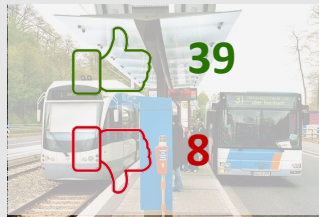
Each display board had an icon which related to potential study goals.

Attendees were asked which goals they felt were the most important for us to focus on.

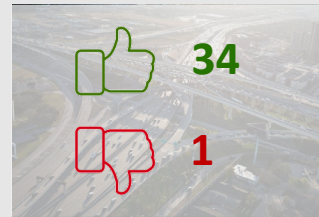


PREFERRED IMPROVEMENTS – LIKE VS. DISLIKE

Transit



Improvements at Interchanges



Dynamic Signage (ITS)



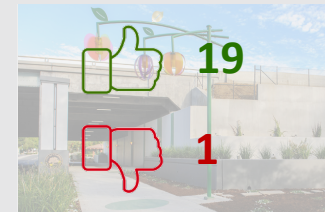
Ramp Improvements



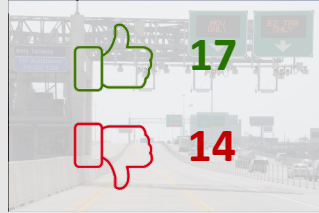
Intersection Improvements



Pedestrian Connectivity



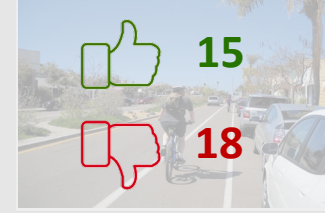
HOV/Managed Lanes



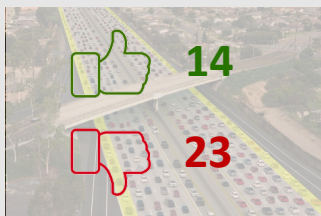
Flood Control & Drainage^{NEW}



Bicycle Connectivity



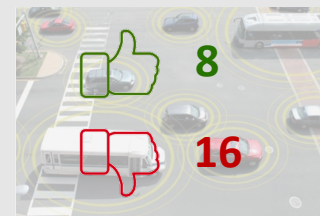
Additional Lane Capacity



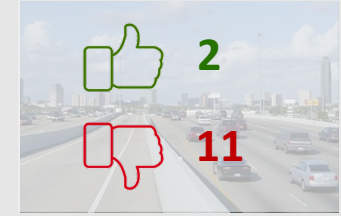
Truck Lanes



Provisions for Autonomous Vehicles

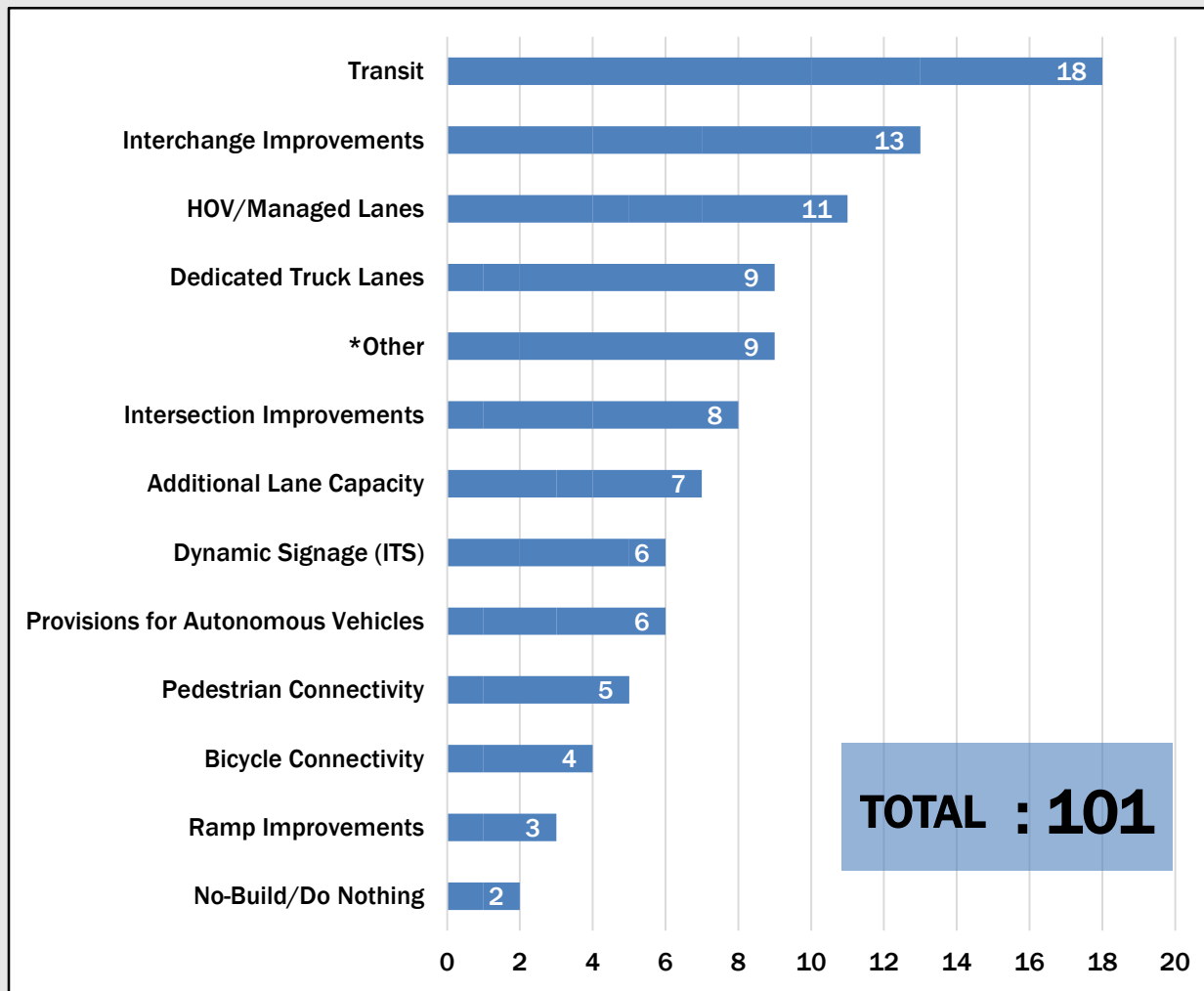


No-Build (No Changes)



PREFERRED IMPROVEMENTS – RANKED

Preferred Transportation Improvements for the Corridor



Combined totals for all meetings

*Other

- Build separate local and express lanes (2)
- Do not widen or add lanes (2)
- Sound deadening technology
- Limit underpass extra space (or creative use)
- Eliminate trash and homeless camps at Richmond/Spur
- Take cars off the road
- Upper deck lanes for non-local travel



STUDY GOALS

- **Improve Public Safety**
- **Improve Mobility**
- **Improve and Enhance Transit, Bicycle, and Pedestrian Facilities**
- **Avoid and Minimize Social, Economic, and Environmental Impacts**
- **Optimize the Use of TxDOT and Partner Right-of-Way**
- **Integrate Transportation Network to Move People and Goods**
- **Create Resilient Infrastructure**
- **Minimize Impacts to the Human and Natural Environment**



NEED & PURPOSE

- **Corridor Needs**

- Respond to existing and growing congestion—unreliable travel times
- Address high crash rates
- Address technological changes to transportation
- Update design to reduce noise and increase safety and comfort
- Address lack of integrated transportation network

- **Study Purpose**

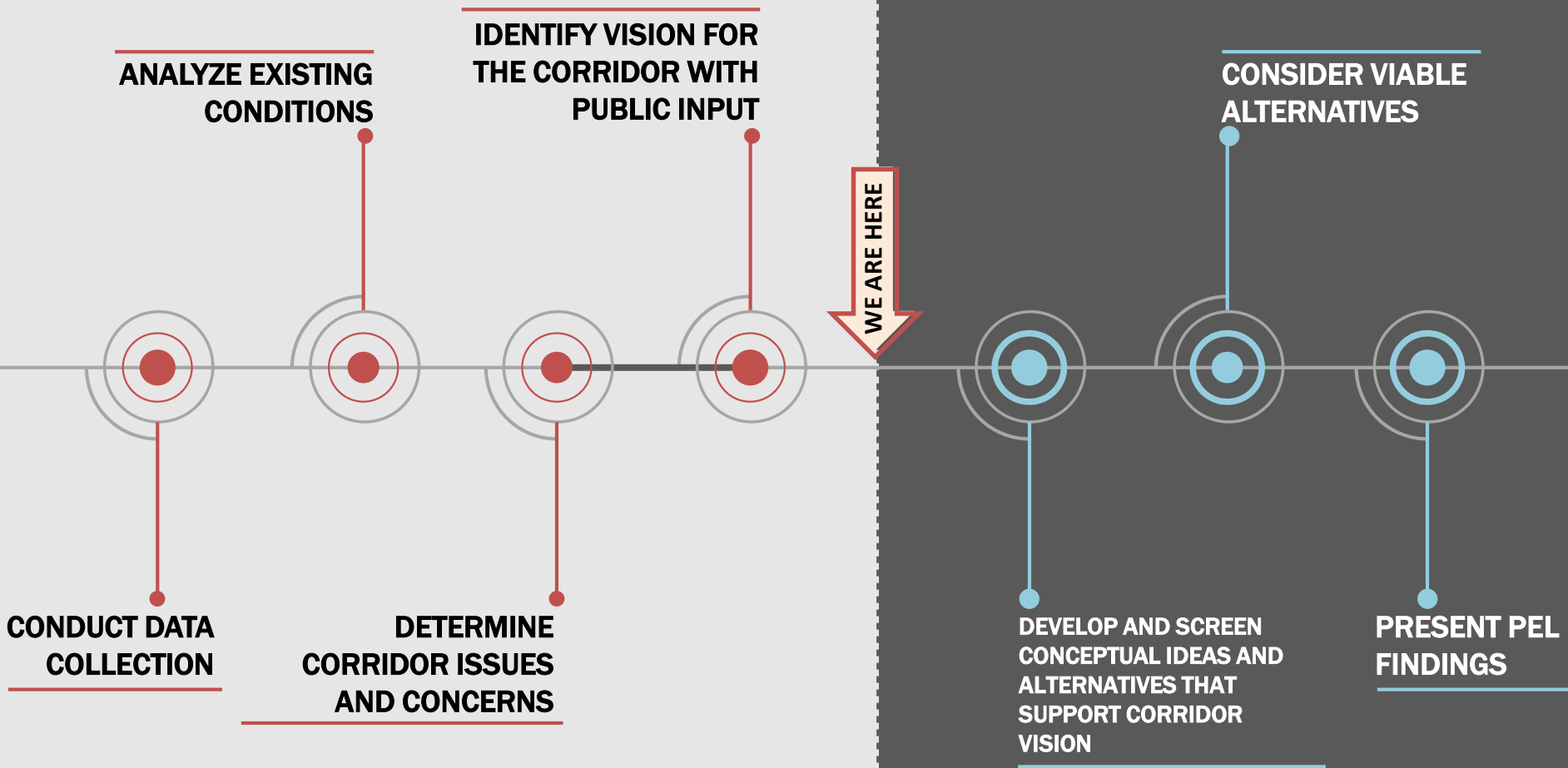
- Identify creative ways to move people and goods
- Improve safety and reduce crashes
- Promote transportation opportunities
- Manage congestion and improve travel time reliability
- Look beyond the freeway itself to create an integrated transportation network



STUDY TIMELINE

PHASE I

PHASE II



OUTLINE OF PHASE II

- **Develop and screen Conceptual Alternatives that support the needs of the corridor and the purpose of the study**
- **Continuing Public and Stakeholder Involvement**
- **Consider Viable Alternatives**
- **Present PEL findings to Community**



Schedule of Phase II

Task by Function	2021												2022												2023				
	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May				
Start Work Date = Date of Execution	◆																												
2.1 ROUTE AND DESIGN STUDIES (FC 110)																													
2.1.1 Universe of Alternatives																													
2.1.2 Fatal Flaw Evaluation																													
2.1.3 Conceptual Alternatives Development																													
2.1.4 Conceptual Alternatives Demand Modeling																													
2.1.5 Conceptual Alternatives Analysis																													
2.1.6 Viable Alternatives Demand Modeling																													
2.1.7 Viable Alternatives Analysis and Evaluation																													
2.1.8 Recommended Alternative Refinement																													
2.1.9 PEL Questionnaire																													
2.1.10 PEL Study Report																													
2.2 SOCIAL, ECONOMIC, ENVIRONMENTAL STUDIES AND PUBLIC INVOLVEMENT (FC 120)																													
2.2.1 Environmental Fatal Flaws Analysis of the Universe of Alternatives																													
2.2.2 Conceptual Alternatives Constraints Mapping																													
2.2.3 Agency Coordination																													
2.2.4 Stakeholder Outreach and Coordination																													
2.2.5 Project Advisory Committee																													
2.2.6 PEL Public Meetings																													
2.2.7 Outreach Tools																													
2.3 PROJECT MANAGEMENT AND COORDINATION (FC 145)																													
2.3.1 Project Record																													
2.3.2 Project Administration																													
Termination Date for Work Authorization No. 2 - May 31, 2023																									◆				

