



2045 Regional Transportation Plan



Adam Beckom, AICP
April 3, 2019



2045 RTP Overview

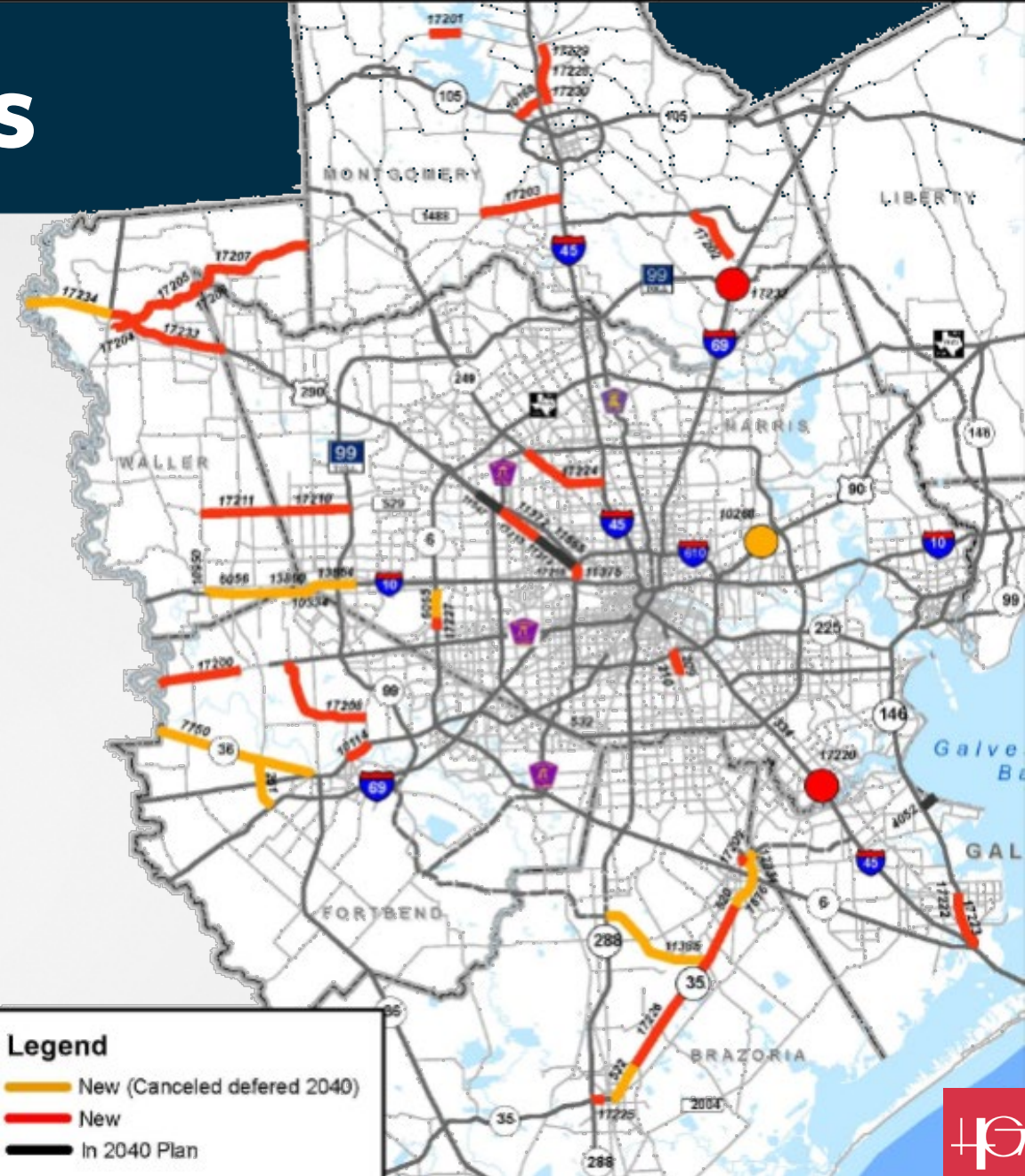
- Update to current 2040 RTP
- Vision, Goals, Strategies
- Performance Measures/Targets
- Future Available Revenue Forecasts
- Recommendations/Projects List

Roadway Recommendations

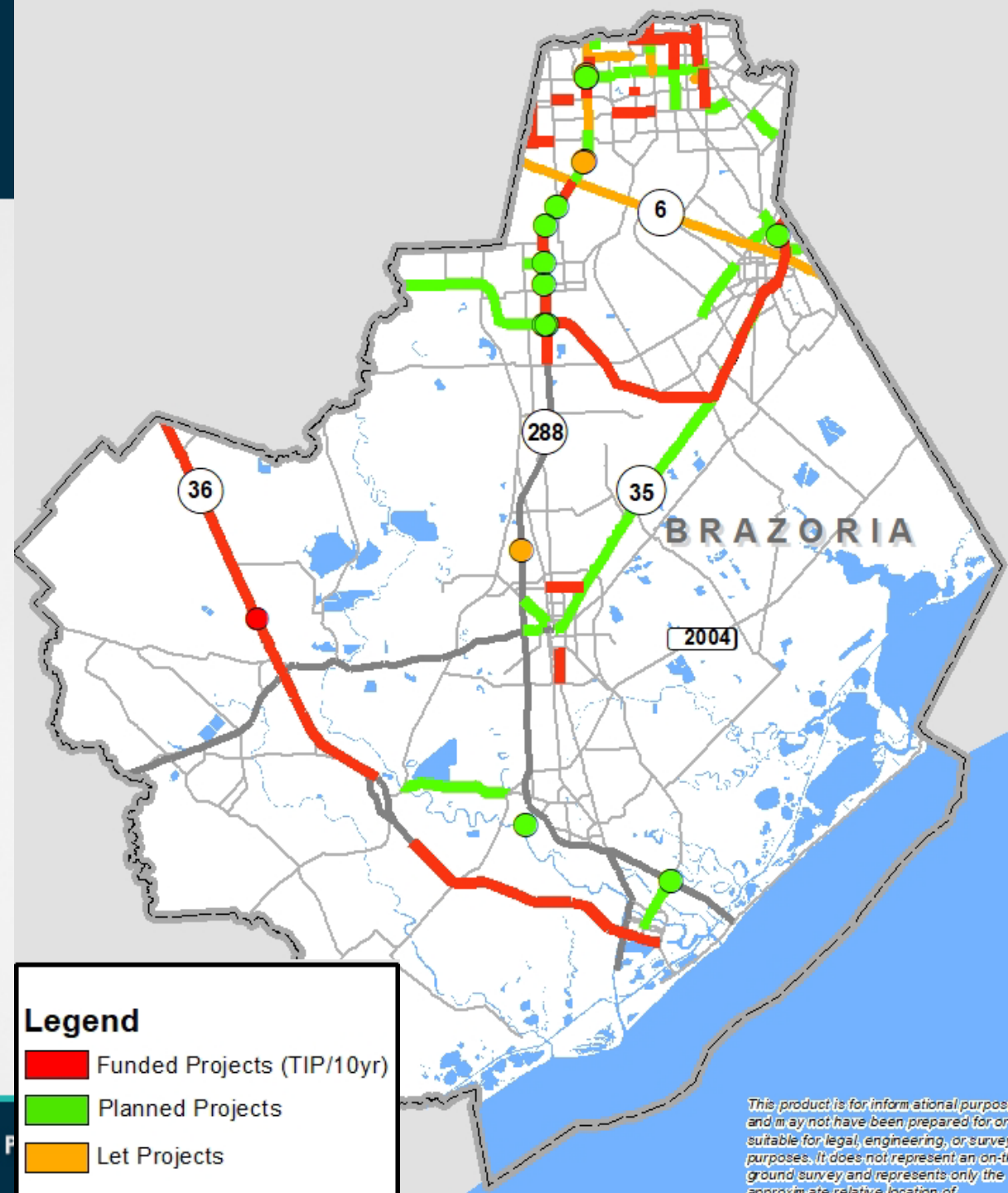


- Inclusion of projects in the 2018 Call for Projects
 - Projects scoring over 100 and added capacity projects
- TxDOT projects


TxDOT 2045 Projects



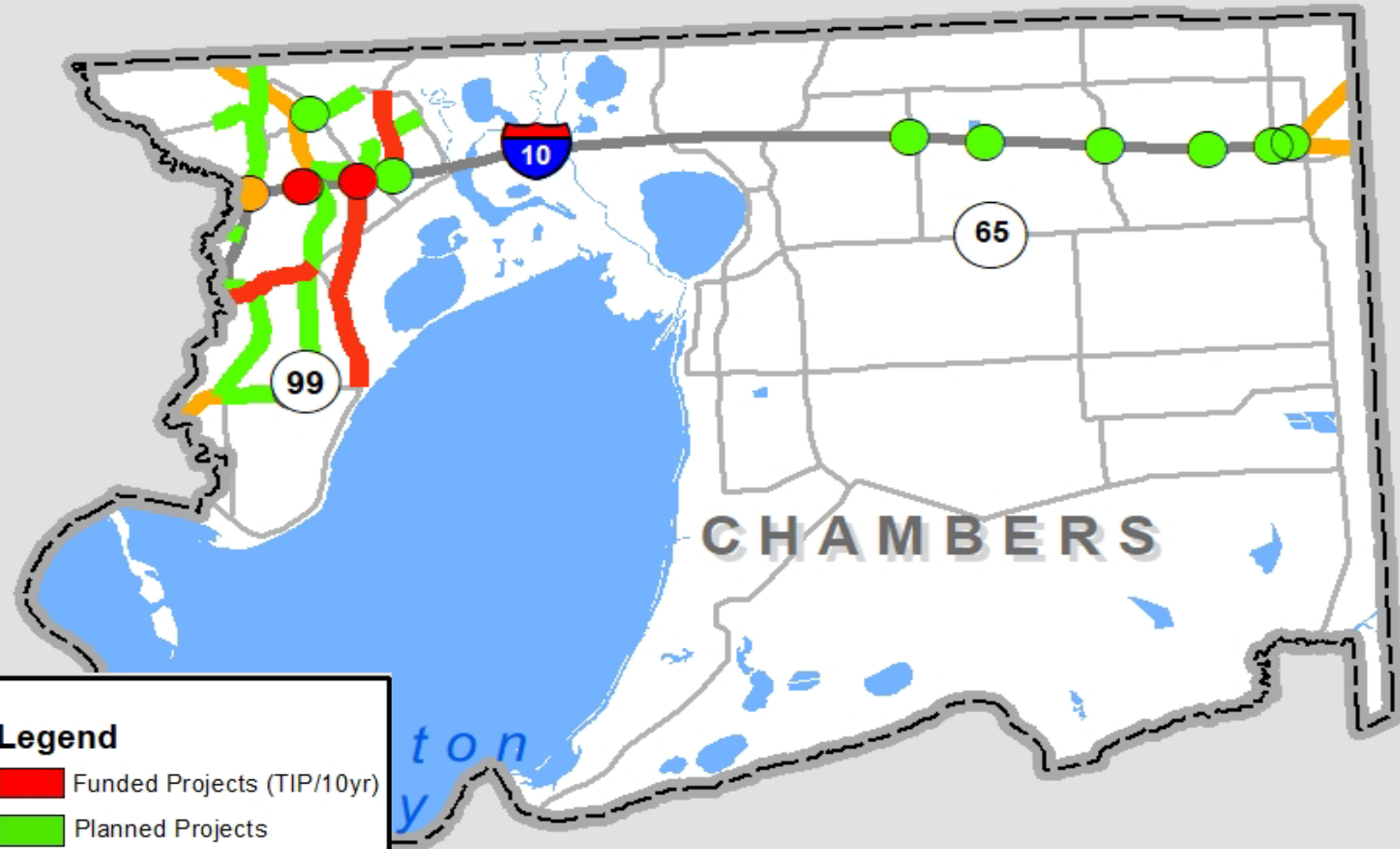
Brazoria County






Legend

-  Funded Projects (TIP/10yr)
-  Planned Projects
-  Let Projects

Chambers County

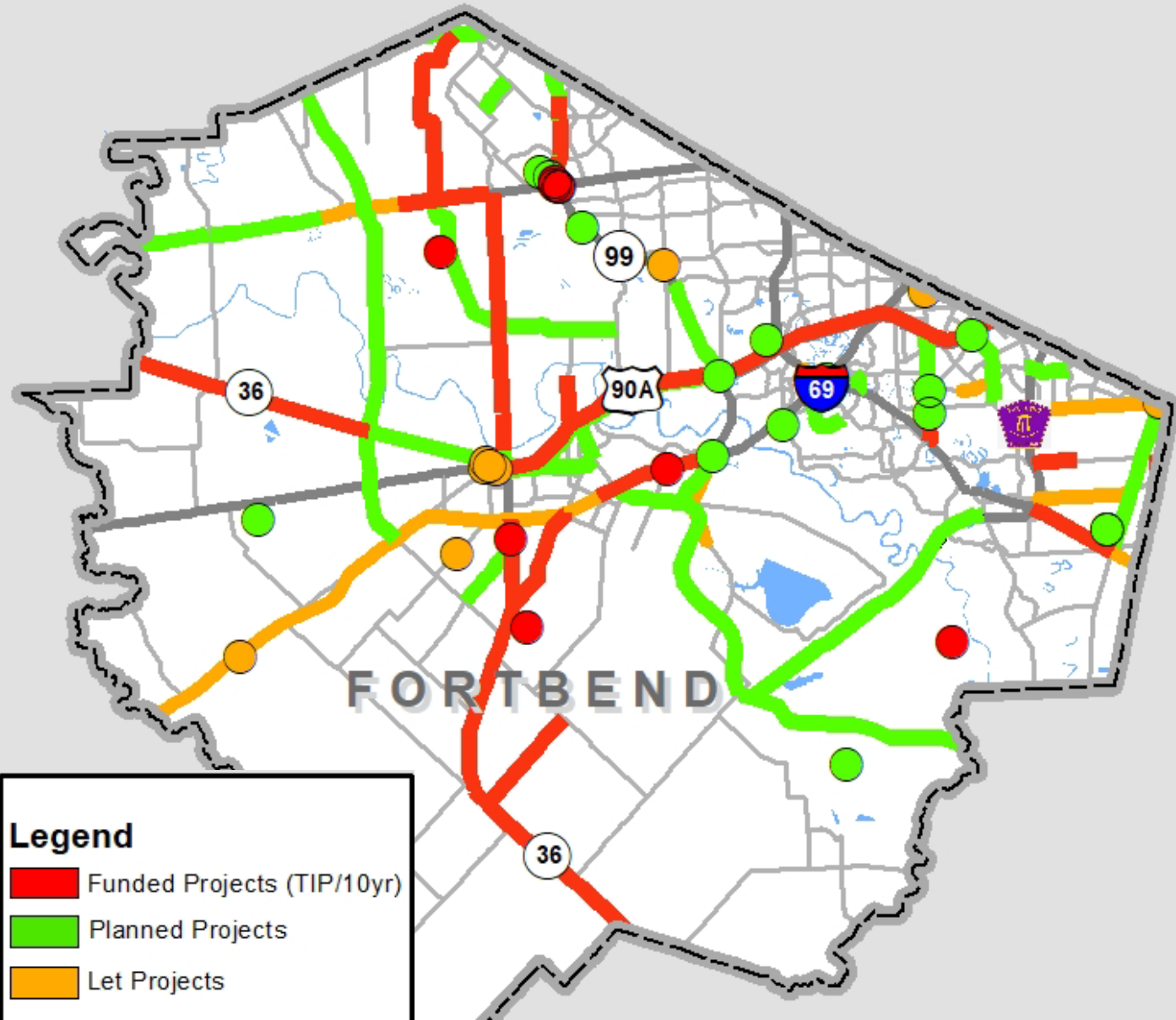


Legend

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Regio

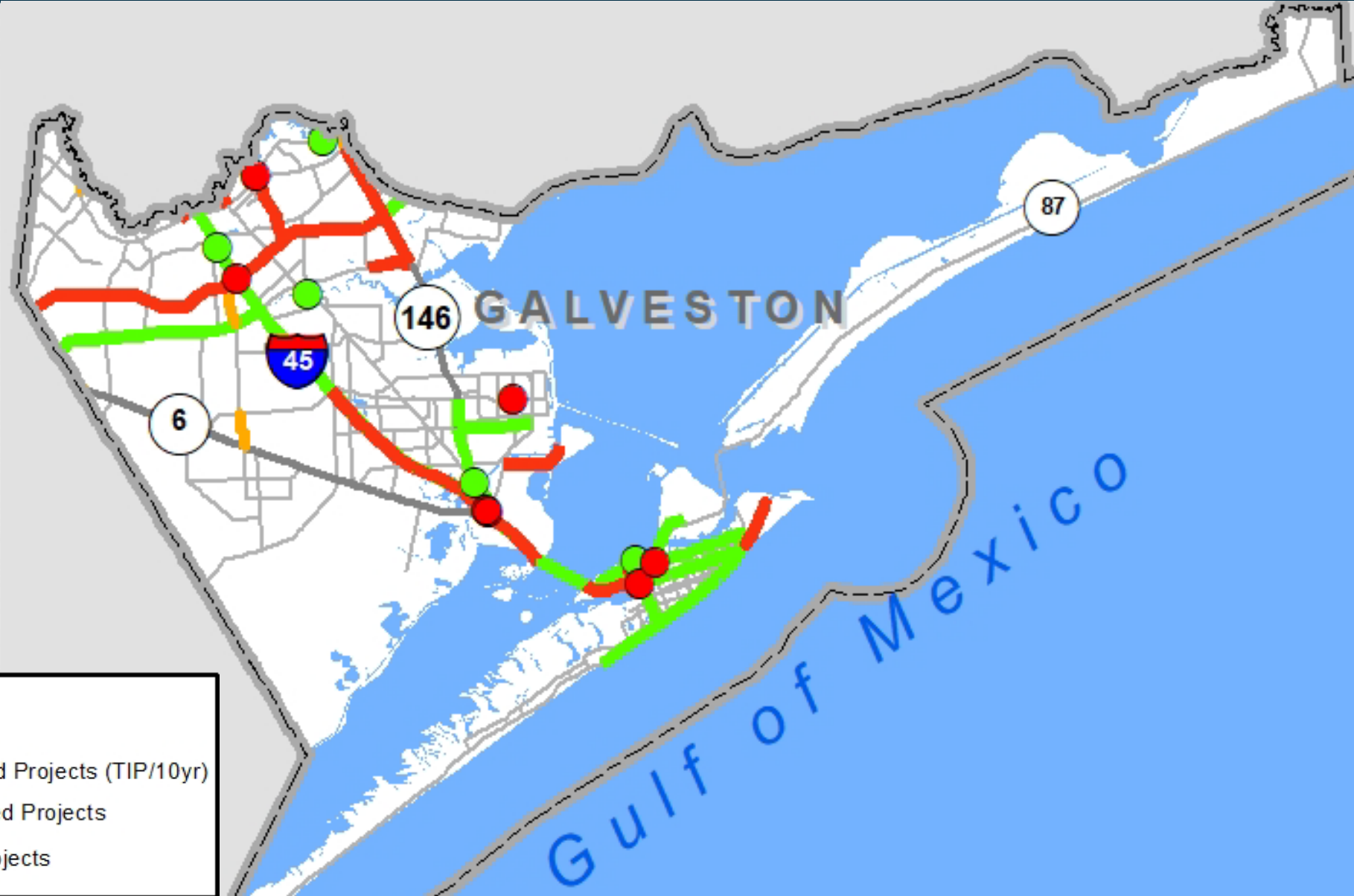
Fort Bend County






Legend

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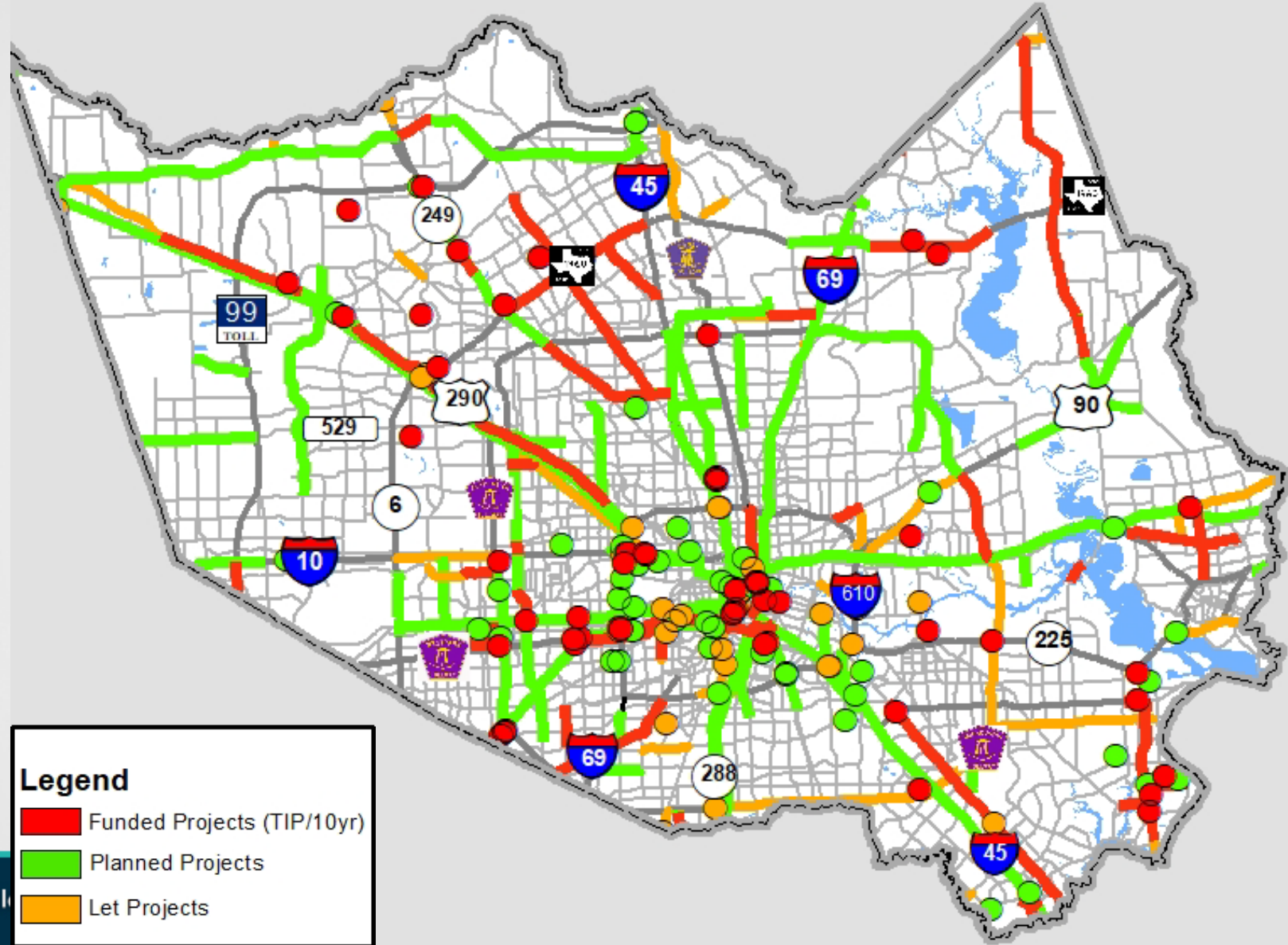
Galveston County



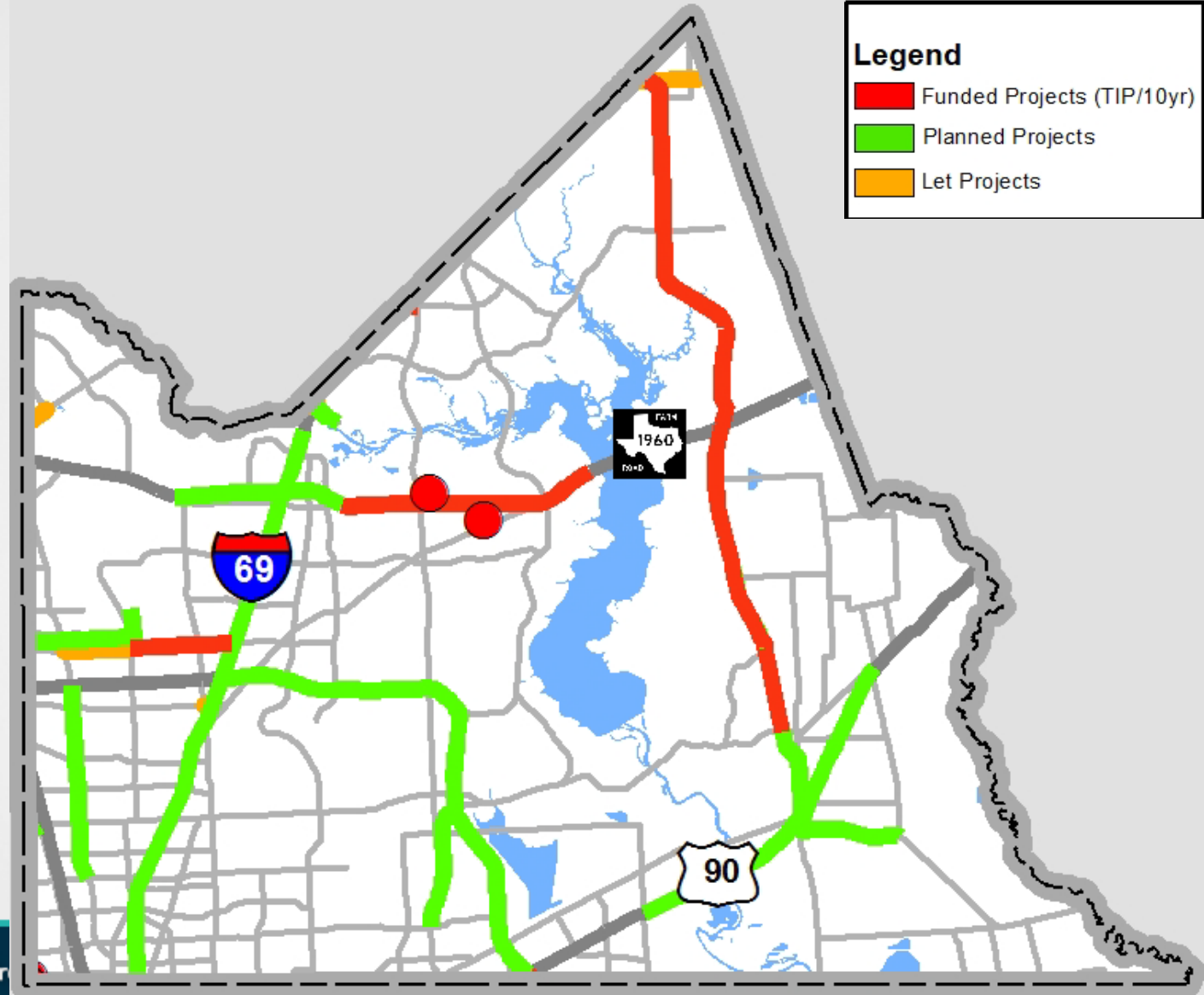
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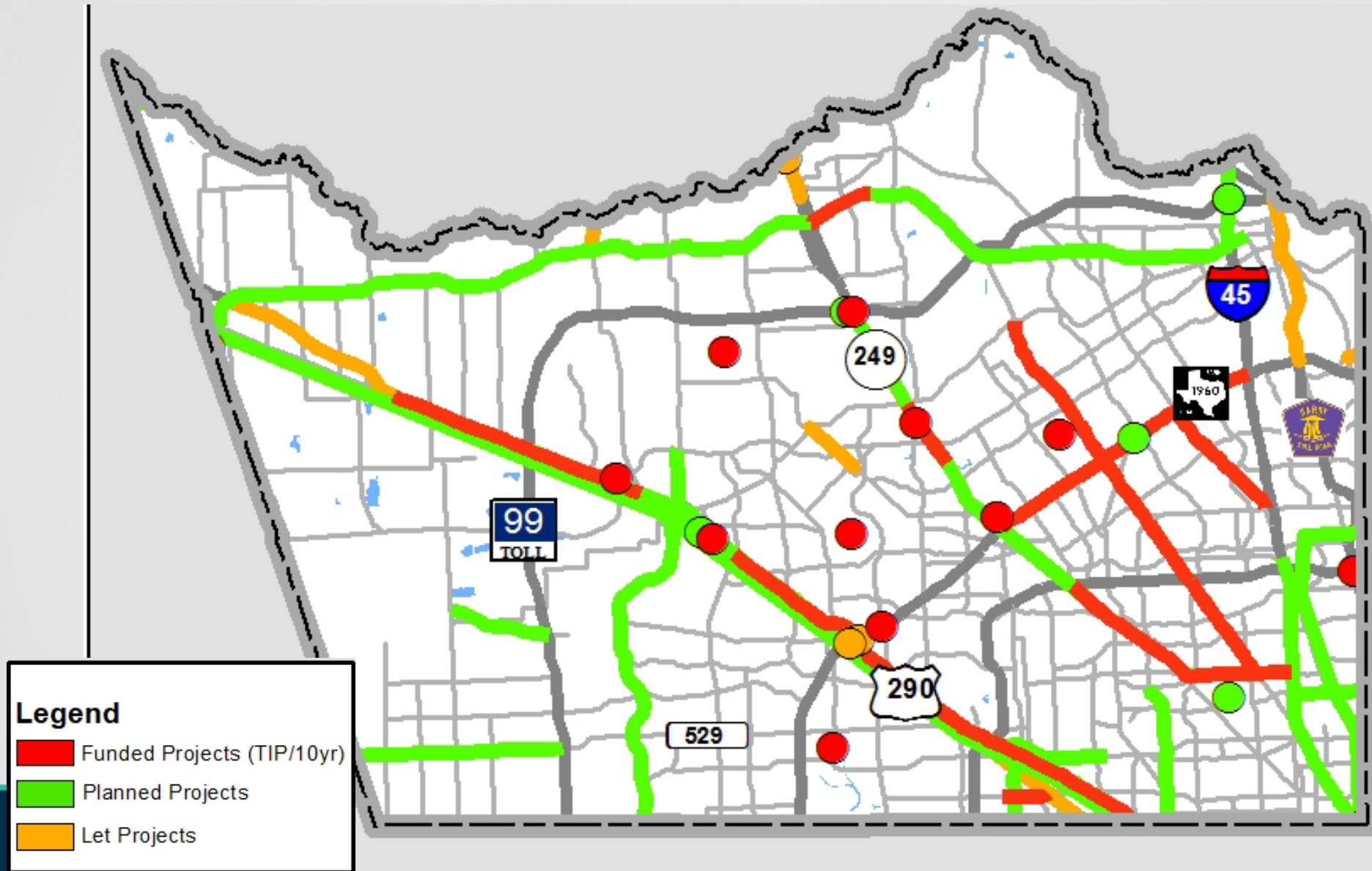
Harris County



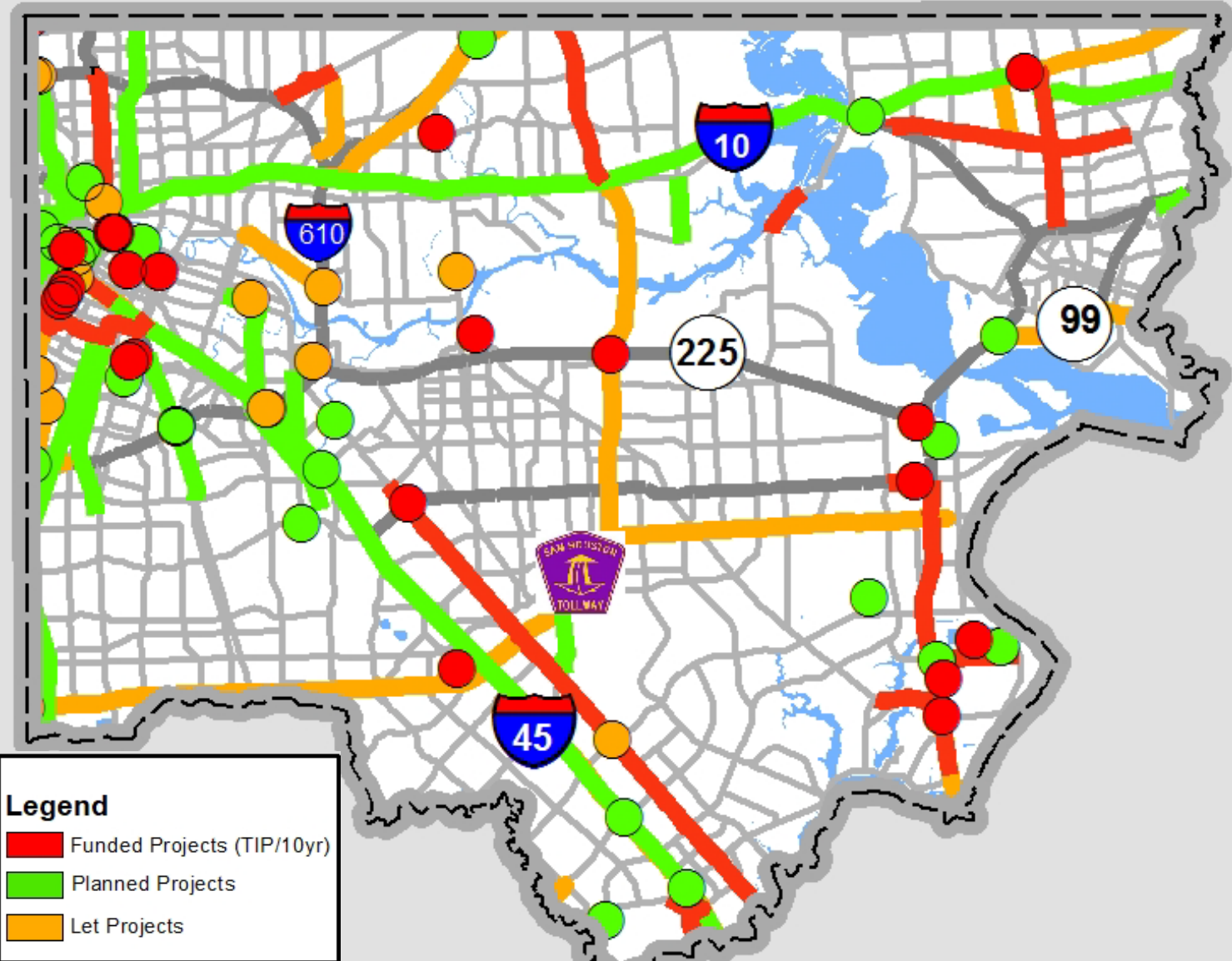
Harris County NE Quadrant



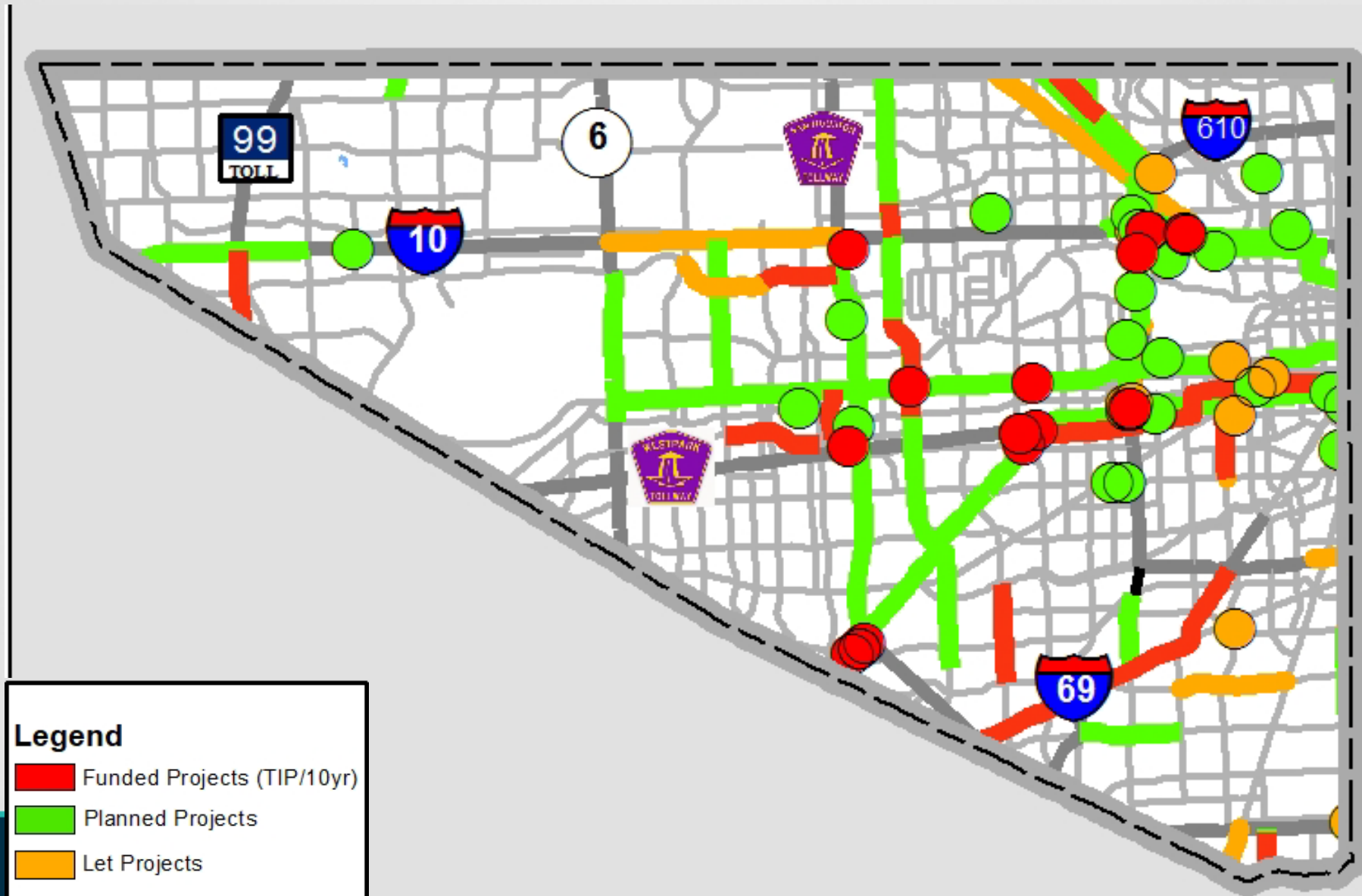
Harris County NW Quadrant






Harris County SE Quadrant



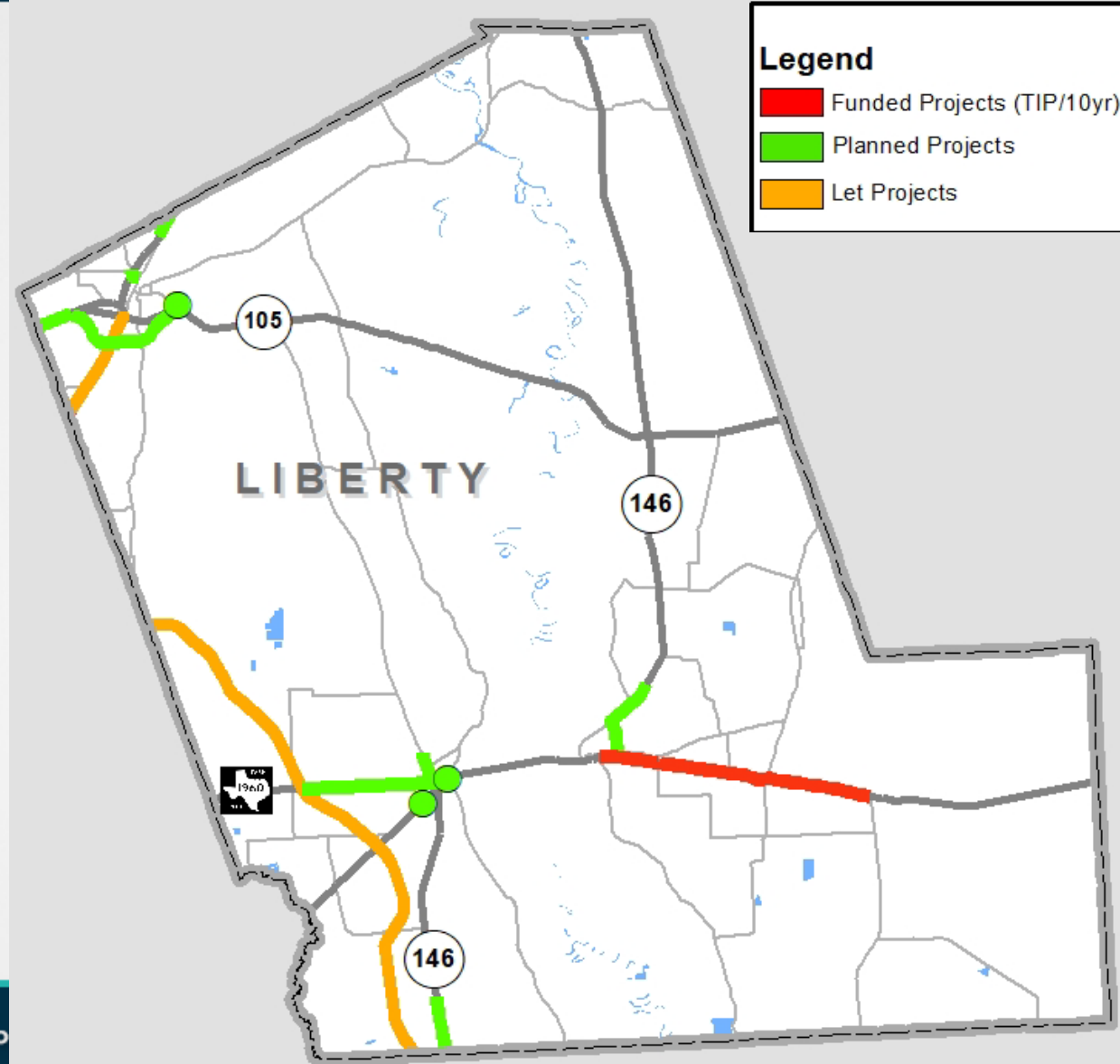
Harris County SW Quadrant



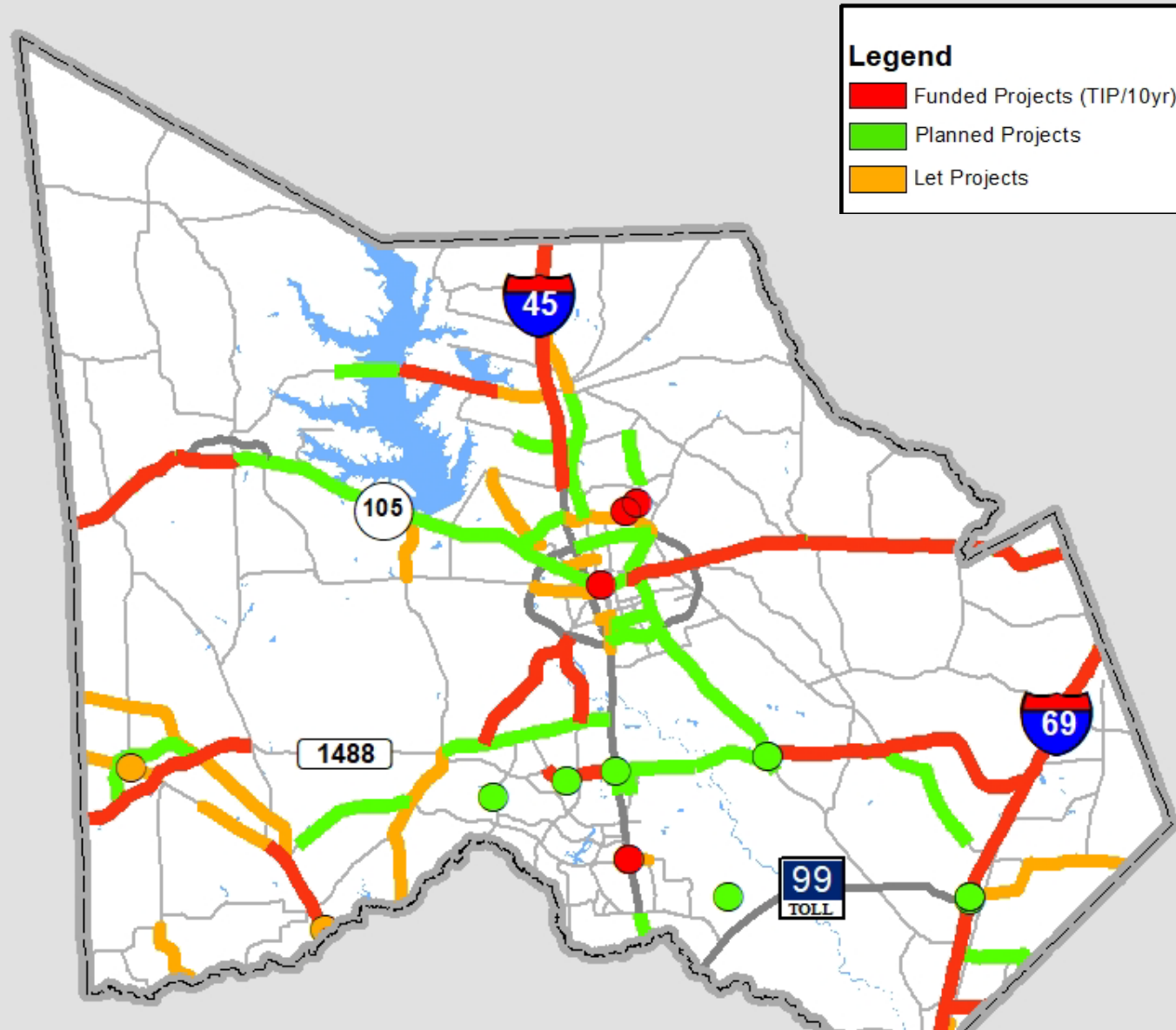
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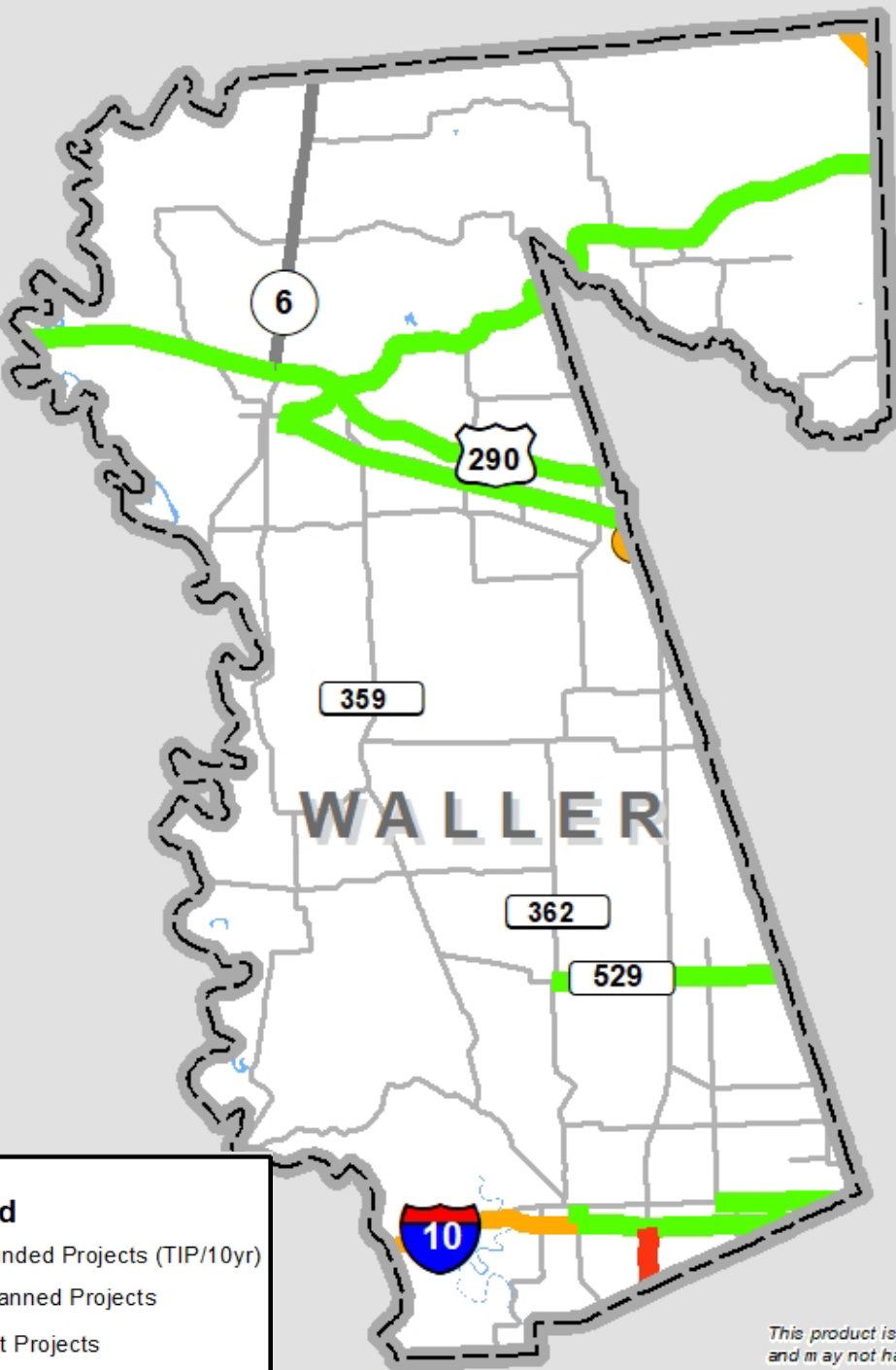
Liberty County



Montgomery County



Waller County



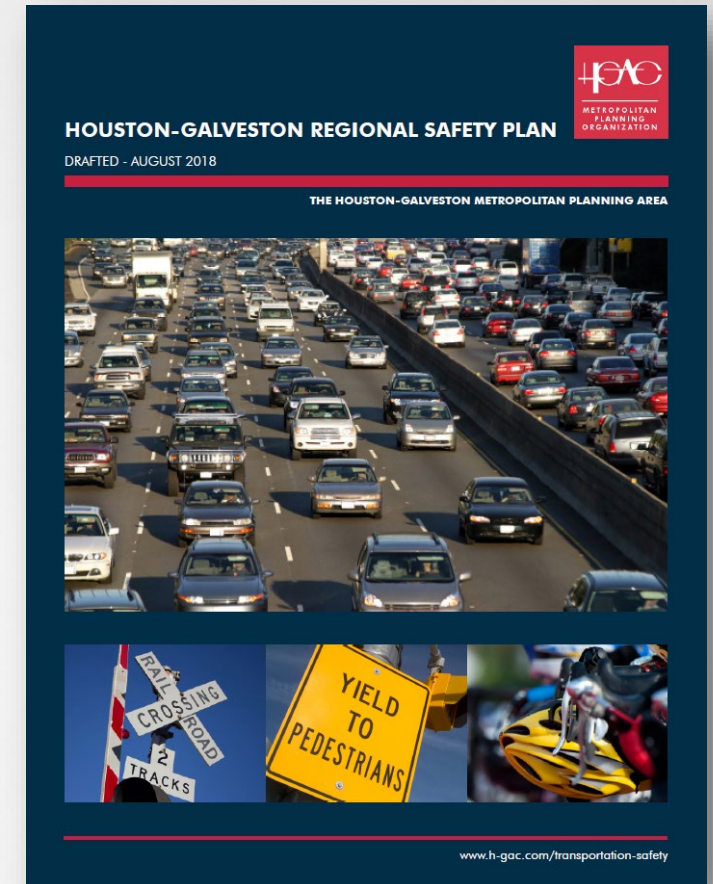
Legend

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This product is for informational purposes only and may not have been updated for the current year.

Regional Safety Plan Focus Areas

- Impaired Driving
- Speeding
- Distracted Driving
- Bicycle & Pedestrian Safety
- Intersections



Traffic Safety Strategies



- Launch Regional Safety Campaign (e.g., Distracted Driving)
- Expand existing traffic safety programs
- Coordinate Regional DWI STEP activities
- Collaborate with regional DA Offices on DWI offenses
- Review high crash intersections for short-term improvements
- Develop consensus for additional plan countermeasures

Freight Recommendation



- Work with Partners to mitigate short-term deficiencies on the freight –significant network
- Develop a concept of operations for a freight ITS program
- Improve flow of containers through a virtual container yard to reduce truck trips
- Provide access to growing economic centers outside the urban core

2045 Active Transportation Plan

- Existing Conditions
- Pedestrian & Bicycle Focus Areas
- A Vision for 2045
- Strategies & Measures
- <http://www.2045rtp.com/documents/2045-ATP-DRAFT-20190123.pdf>

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2045 ACTIVE TRANSPORTATION PLAN

DRAFT JANUARY 2019



THE HOUSTON-GALVESTON METROPOLITAN PLANNING AREA

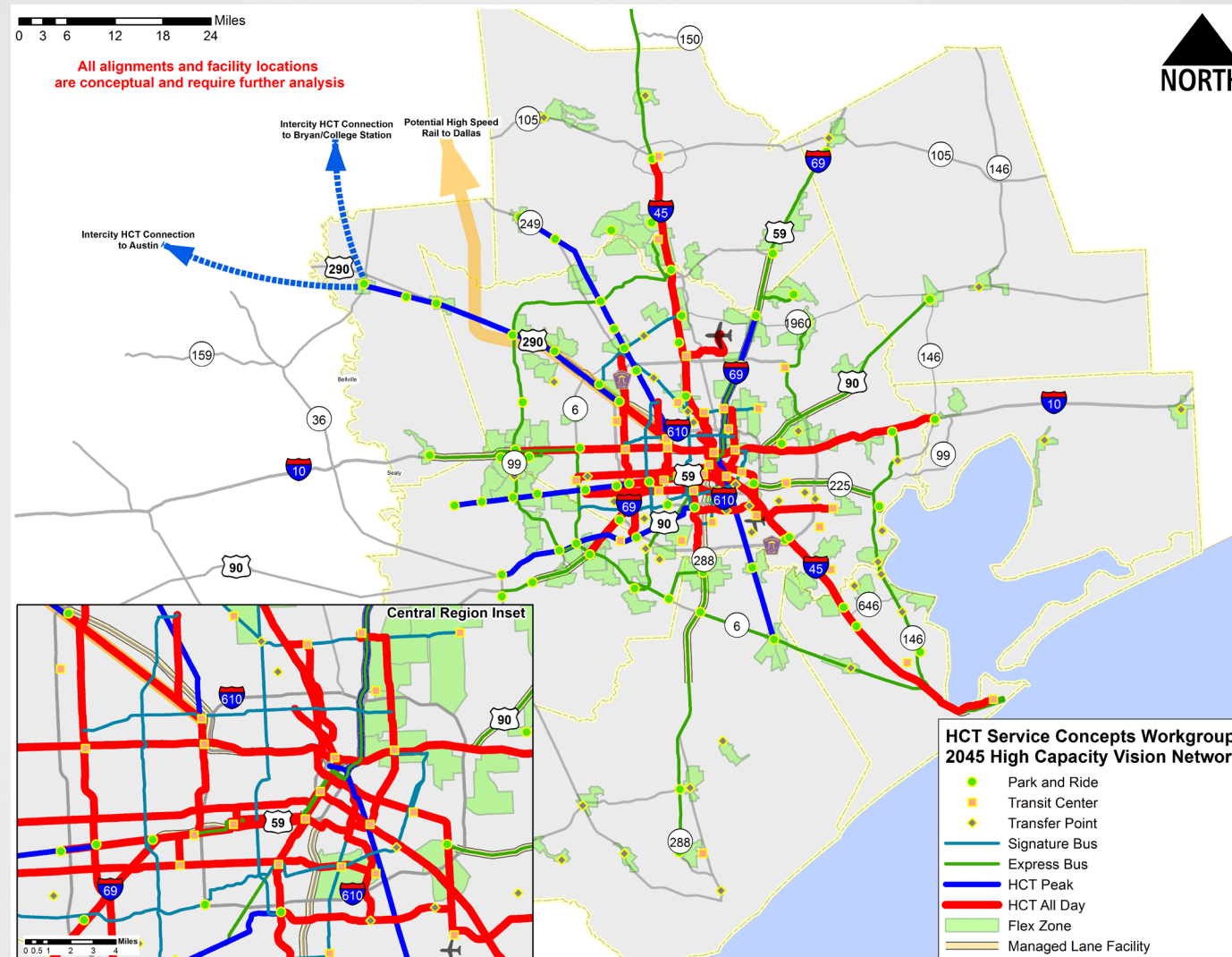




Transit Draft Recommendations

- High Capacity Transit Taskforce
- METRONext Vision Plan
- High Speed Rail
 - Region to Region Connectivity
 - Local Connectivity and Integration

High Capacity Transit Vision



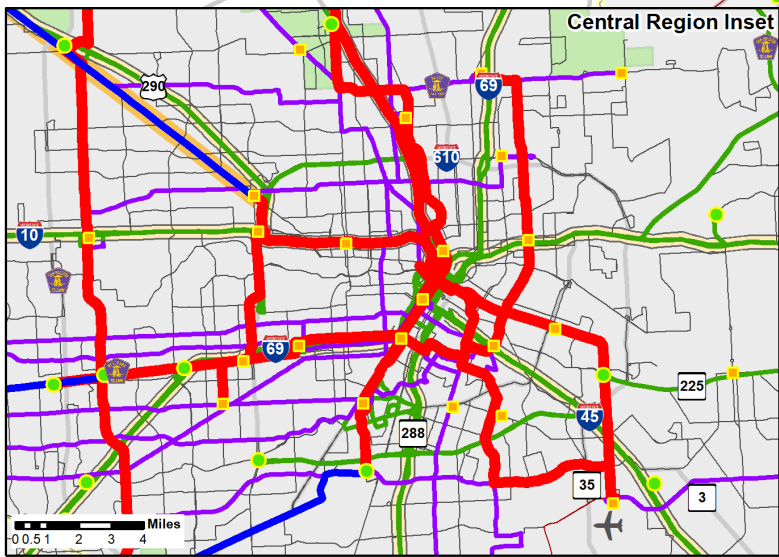
Priority Network



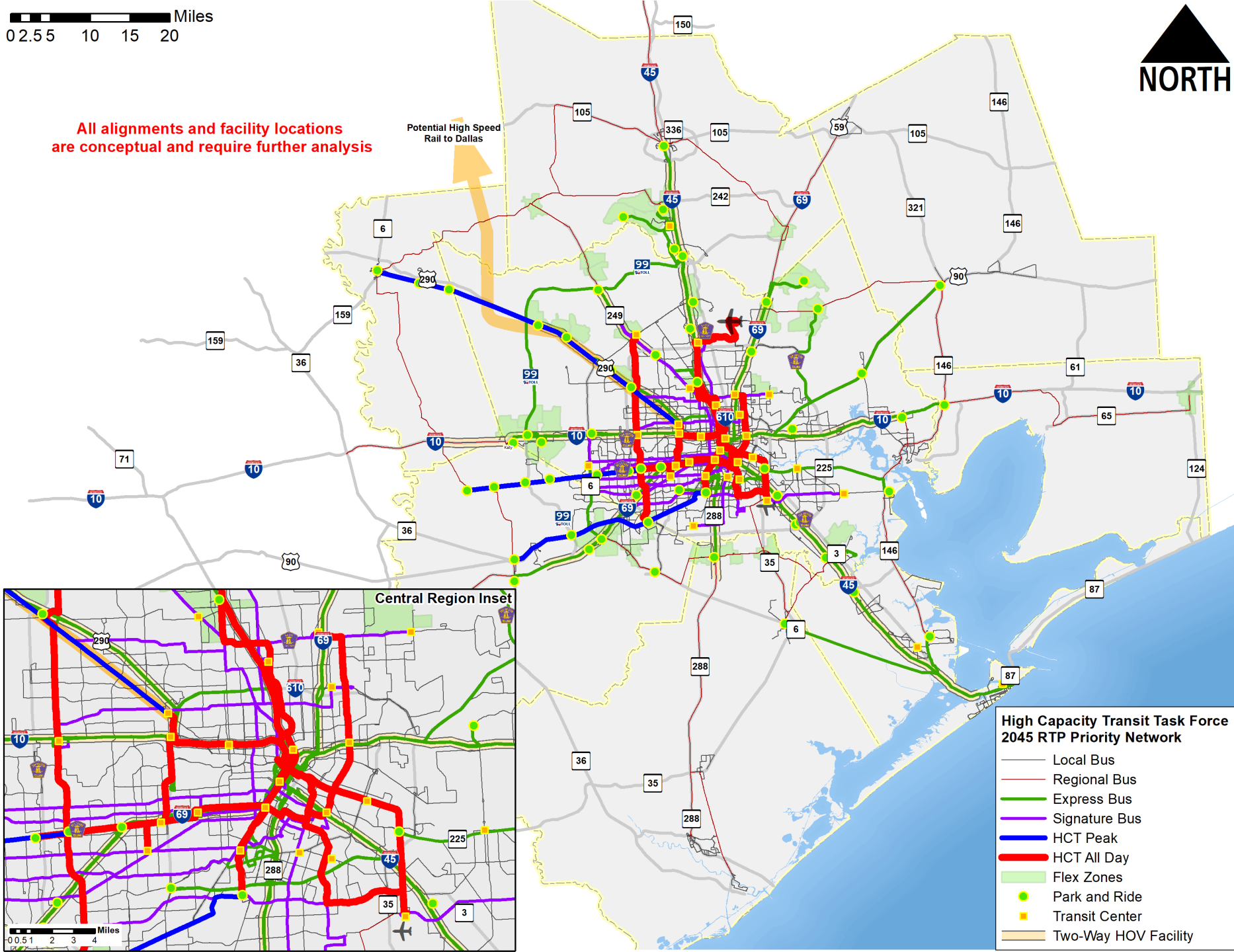
0 2.5 5 10 15 20 Miles

All alignments and facility locations are conceptual and require further analysis

Potential High Speed Rail to Dallas



0 0.5 1 2 3 4 Miles



High Capacity Transit Task Force 2045 RTP Priority Network

- Local Bus
- Regional Bus
- Express Bus
- Signature Bus
- HCT Peak
- HCT All Day
- Flex Zones
- Park and Ride
- Transit Center
- Two-Way HOV Facility



Included in Vision Network

- **Expanded local services**
 - Especially areas indicating high transit need that do not currently have service
- **Regional services**
 - connect outlying communities to each other and urban core
- **Flex Zones (Community Connectors)**
- **“Non-traditional” Express Bus Services**
 - Reverse Commute
 - Suburb-to-suburb

General Principles/Supporting Concepts

- Regional Fare & Marketing
- Universal Accessibility
 - No new service without access
- First Mile/Last Mile
- Transit-friendly design/parking
- Automated Vehicles
 - Opportunities and Challenges



ITS/Operations Recommendations

- Travel Demand Management Strategies/Programs
 - CarPool/VanPool
- Freeway Incident Management
- Access Management
- Intersection Improvements
- Intelligent Transportation Systems



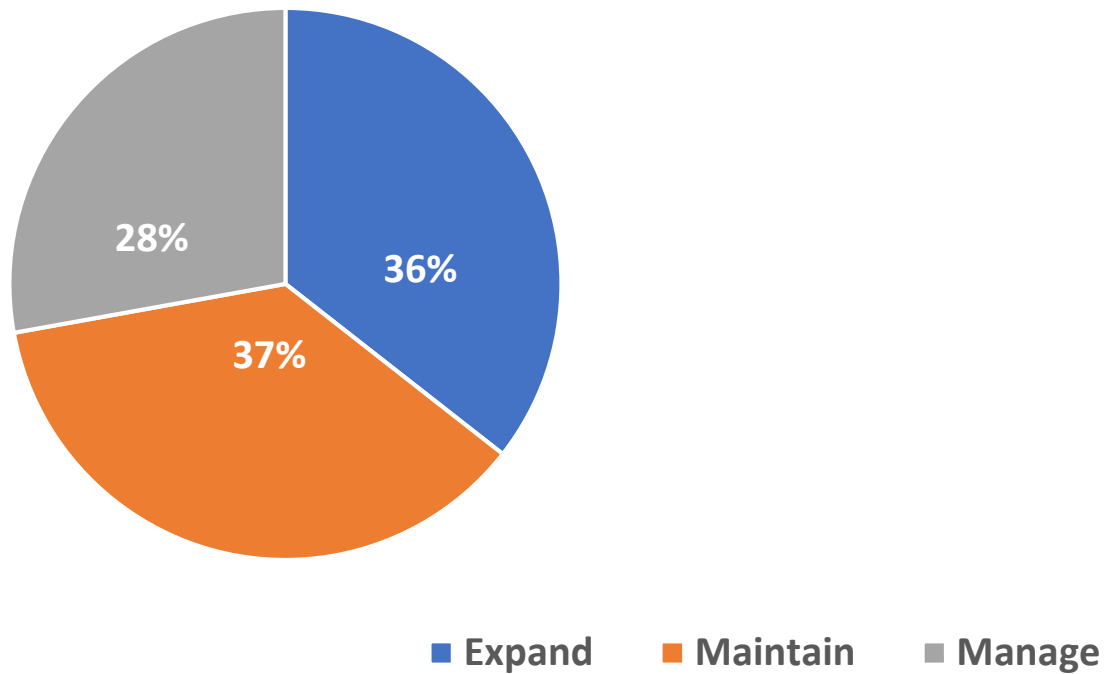
Planning Factors

- Resiliency
- Intercity Buses
- Enhance Travel & Tourism
- Automated & Connected Vehicles
- Natural Hazard Mitigation

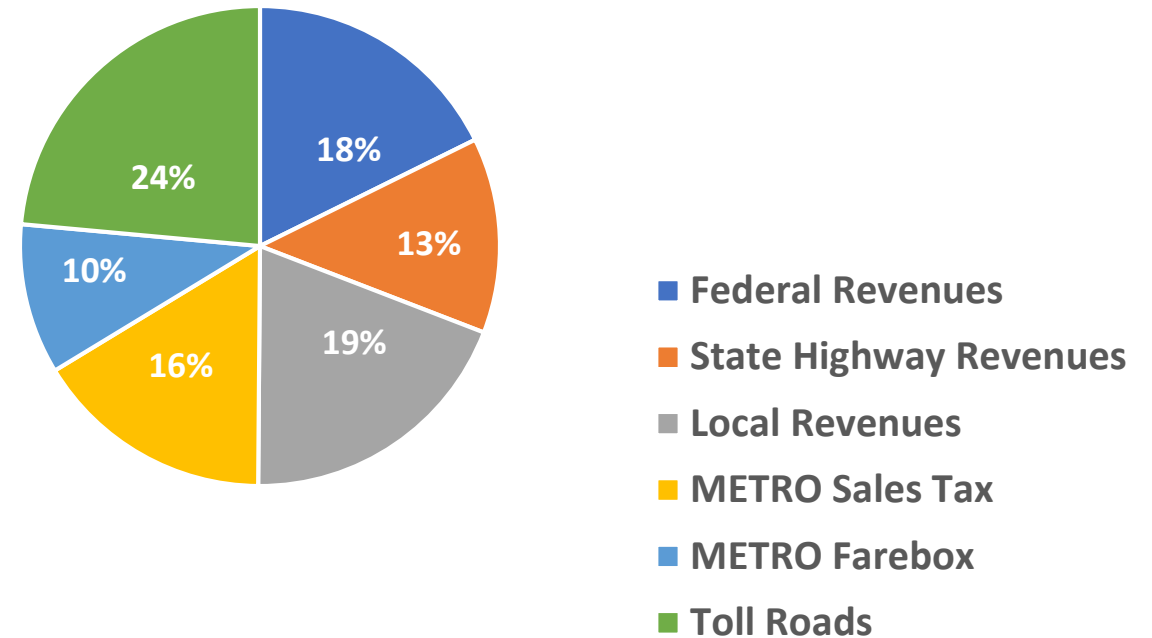


Fiscal Constraint

Expenditures by Strategy
Total: \$132 B



2045 RTP Revenue by Source
Total: \$147 Billion



Draft Conformity Results



Year	NOx Emissions (tons/day)	NOx Budget (tons/day)	VOC Emissions (tons/day)	VOC Budgets (tons/day)	VMT
2020	79.62	121.81	45.92	68.04	186,102,566
2030	47.47	121.81	30.37	68.04	227,527,778
2040	43.09	121.81	22.87	68.04	261,487,989
2045	47.43	121.81	23.89	68.04	284,677,064

2045 RTP Schedule

	2018			2019		
	Nov	Dec	Jan	Feb	March	April
2045 Update	●					
Develop 2045 recommendations and planning analysis	■					
2045 Update		+	● ★			
30 Day Public Comment			■			
Draft recommendations/assumptions				+	● ★	
2045 RTP Workshop				■		
Draft RTP for Preview					+	● ★
30 Day Public Comment					■	
Final Draft RTP for Action						+

- + *TIP/RTP Subcommittee Meeting*
- *Transportation Advisory Committee Meeting*
- ★ *Transportation Policy Council Meeting*

Public Involvement



2045RTP REGIONAL TRANSPORTATION PLAN

DRAFT 2045 REGIONAL TRANSPORTATION PLAN

The Houston-Galveston Area Council (H-GAC) will release the draft 2045 Regional Transportation Plan on April 5. The long-range plan prioritizes spending on regional transportation projects, including short and long-range strategies, to ensure our transportation network is safe and efficient. With a focus on safety, efficiency and reliability, the plan highlights efforts to reduce traffic congestion and vehicle crashes, concentrates on asset management and operations, supports regional economic development opportunities, and maintains emphasis on transportation's impact on the environment.

TRANSPORTATION CONFORMITY

H-GAC will present information on transportation conformity. Transportation conformity shows how projects meet federal air quality goals by measuring future nitrogen oxide (NOx) pollution and volatile organic compound (VOC) emissions reductions.

PUBLIC MEETING AND PUBLIC COMMENT

The public meeting will be held on April 24, 2019 in an open house format for the first 30 minutes followed by a presentation. To view the public meeting live, visit 2045RTP.com. The comment period for the draft plan of the 2045 Regional Transportation Plan and transportation conformity will open on April 5, 2019 and close on May 5, 2019. Email francis.rodriguez@h-gac.com for more information.

HOW TO GET INVOLVED

1. Attend the public meeting on April 24 and bring a friend.
2. Review the RTP documents at 2045RTP.com and submit your comments online.
3. Leave your comments on our voice line at 1-855-363-2516.
4. Mail comments to Transportation Public Outreach, H-GAC, P.O. Box 22777, Houston, TX, 77227.

PUBLIC MEETING

WHO?

Houston-Galveston Area Council
Metropolitan Planning Organization

WHAT?

Public meeting for the draft plan of the 2045 Regional Transportation Plan and transportation conformity

WHEN?

Wednesday, April 24, 2019
5:30 p.m. to 7:00 p.m.

WHERE?

Houston-Galveston Area Council
3555 Timmons Lane
2nd Floor, Conference Room A
Houston, TX 77027

H-GAC will provide reasonable accommodations for persons attending H-GAC functions. Requests from persons needing special accommodations should be received by H-GAC staff 24 hours prior to a function. The public meeting will be conducted in English and requests for language interpreters or other special communication needs should be made at least two working days prior to a function. Please call 713 993-2437 for assistance.



WHAT IS AN MPO?

A metropolitan planning organization (MPO) is a local decision-making body that is responsible for overseeing the metropolitan transportation planning process. H-GAC is designated by the State of Texas as the region's MPO for transportation planning in Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, Montgomery, and Waller Counties.



Questions?



2045RTP.com