

METRONext

Moving Forward Plan Update

Board Workshop

June 11, 2019

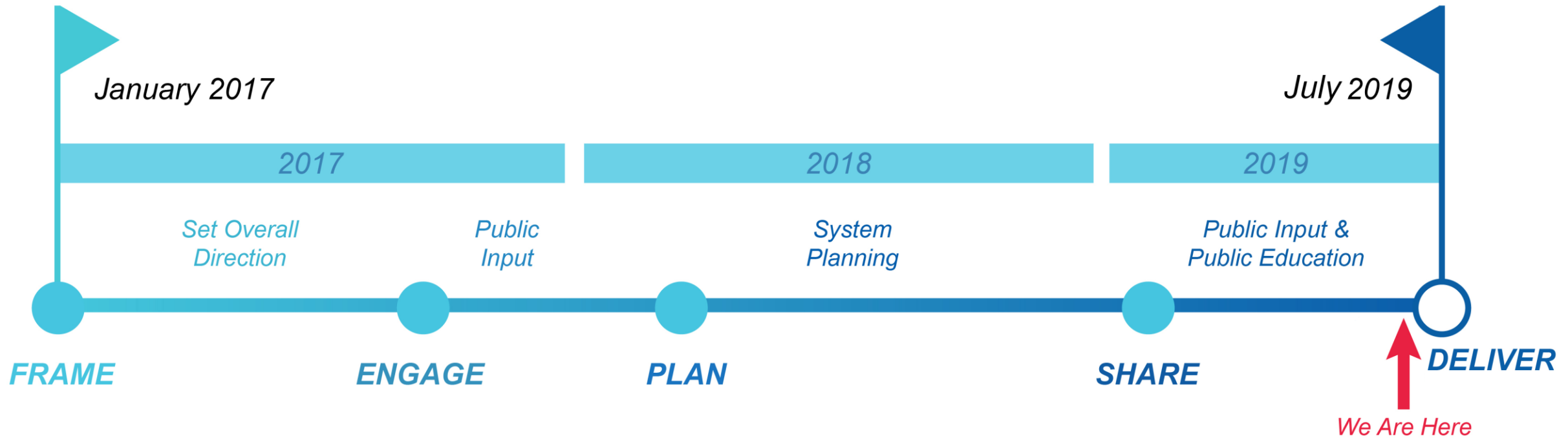


Disclaimer

This presentation is being provided solely for discussion purposes by the Metropolitan Transit Authority of Harris County, Texas (METRO) during a workshop session on June 11, 2019. It includes draft alternative transit plans, which utilize a range of modes of transportation based on different funding scenarios, including a draft long-term plan that provides a vision of future transit in the service area assuming unconstrained financial resources. The draft plans are based on various financial estimates, economic forecasts and other assumptions, which are subject to change. As a result, the final proposed plan could differ materially. Additionally, any proposed plan or project conducted by METRO is subject to certain approvals and authorization, including approval by the METRO Board of Directors.

METRO makes no claim, promise or guarantee of any kind, including with respect to the feasibility or future implementation of any proposed plans or projects discussed herein.

Project Milestones



Project Milestones

Board workshop – March 2019

- Snapshot of comments (Phase 2 Public Involvement)

Board workshop - April 2019

- Review of comments (Phase 2 Public Involvement)
- Presentation of Hobby alternatives

Board workshop - May 2019

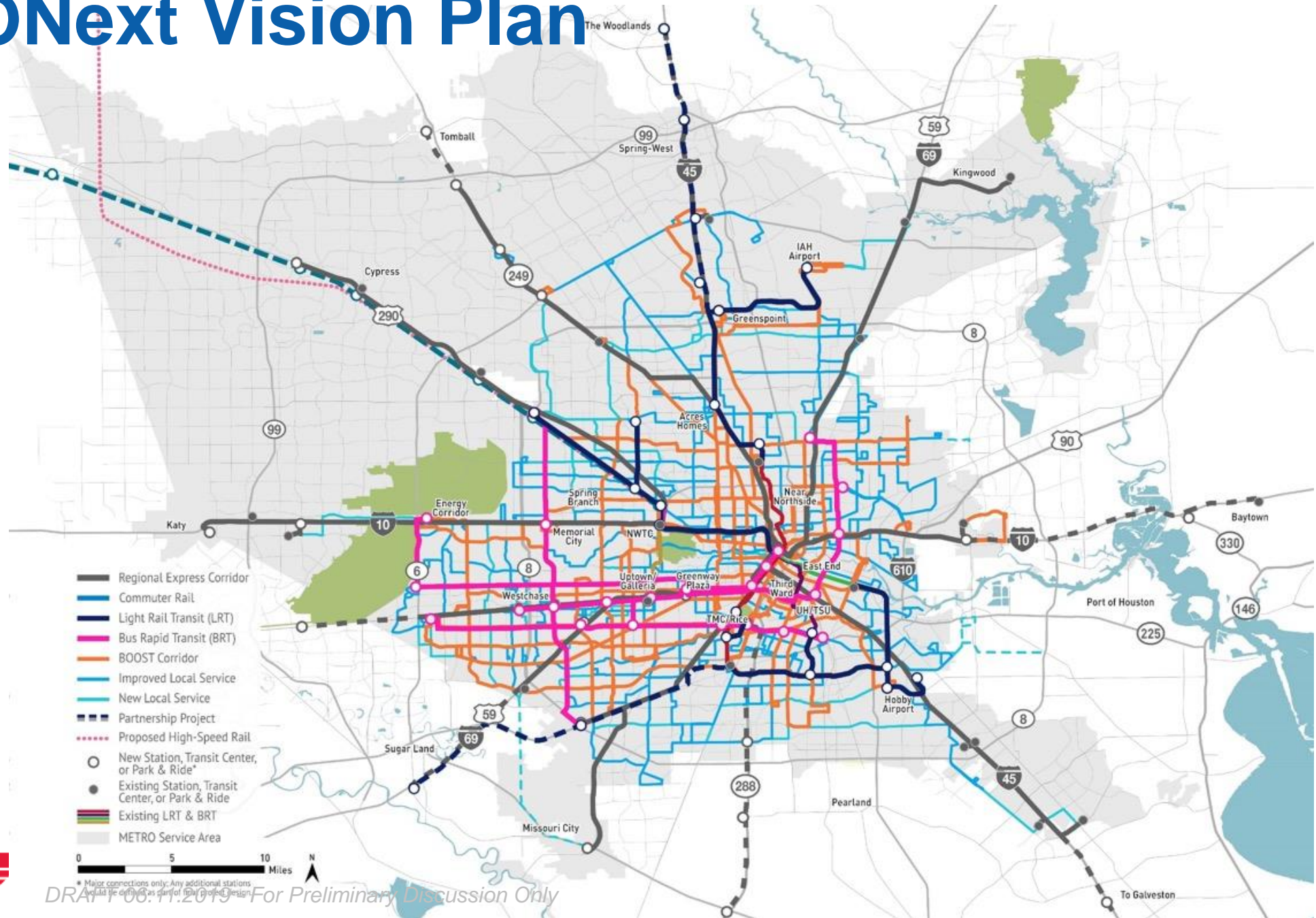
- Update to the Board on additional LRT alternatives

Board workshop - June 2019

- Update to the Board on additional LRT alternatives evaluated



METRONext Vision Plan



METRONext Moving Forward Plan

BRT System

- IH 45 North to IAH & Greenspoint
- Inner Katy Corridor to NWTC / HSR / Uptown
- University Corridor to Westchase & Tidwell
- Uptown BRT Extension to Gulfton
- Gessner Corridor

Regional Express Network

- US 90A Two-Way HOV
- IH 10 West Two-Way HOV
- IH 45 North Two-Way HOV
- IH 69/US 59 Two-Way HOV (Edloe to Downtown)
- SH 249 Corridor & Facilities to Boudreaux
- 4 Off-Peak Direction Diamond Lane Corridors

LRT Extensions

- Green Line to Hobby Airport
- Purple Line to Hobby Airport
- Red Line to N. Shepherd
- Green/Purple Lines to Courthouse

BOOST & Signature Service

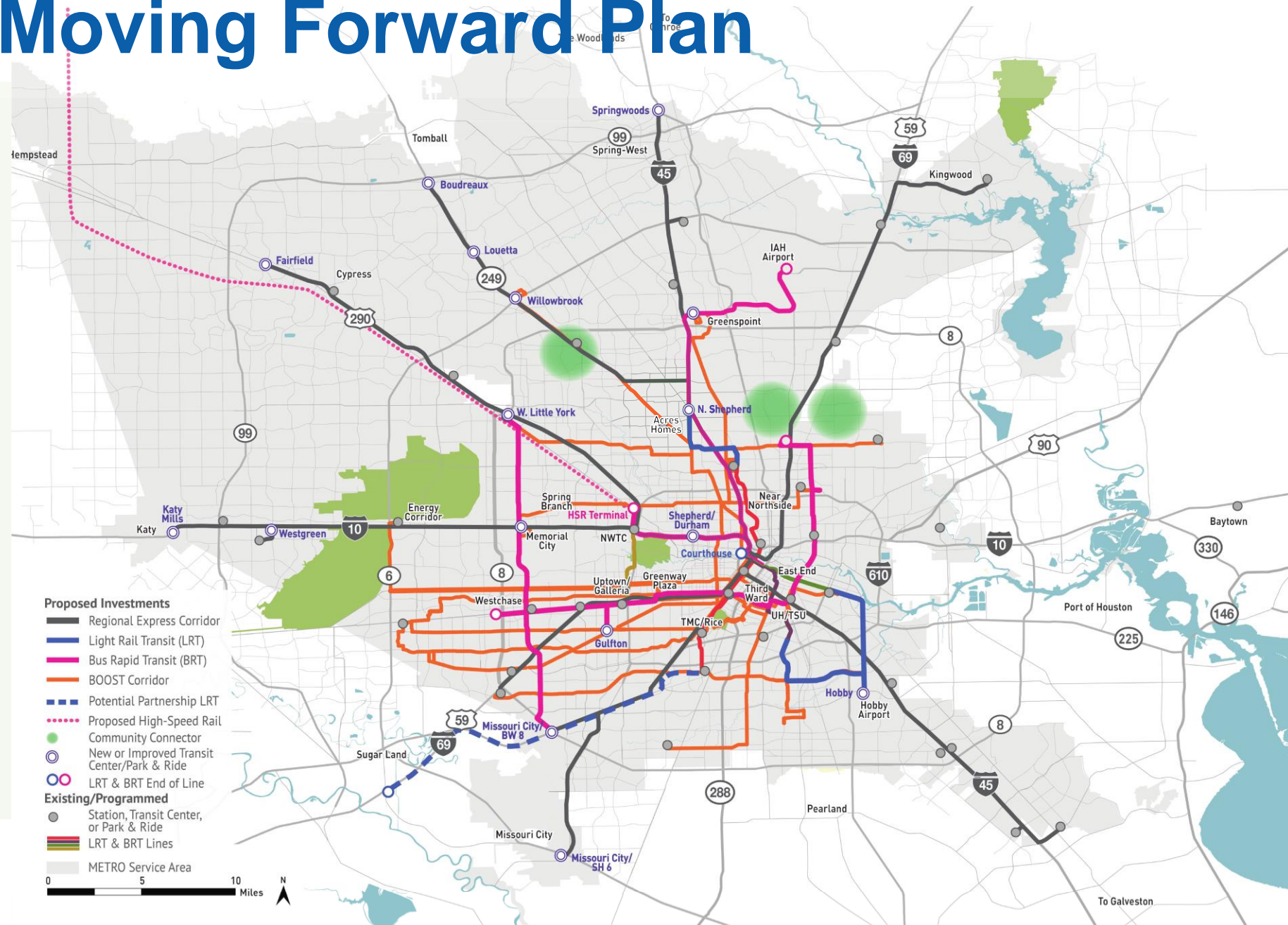
- 14 Corridors
- Westheimer Signature Bus Service

System Enhancements

- Systemwide route improvements including 3 new Community Connectors
- Downtown, Midtown & TMC transit improvements
- First / Last Mile
- Universal Accessibility








Facilities

- 7 New / Improved Transit Centers
- 8 New / Improved Park & Rides



Moving Forward Plan Investments

Major Investments:

- 110 mi  Regional Express Network
- 20 mi  Extended LRT lines
- 75 mi  New BRT system
- 260 mi  BOOST & Signature
- 15  New or Improved Park & Rides, Transit Centers
- 3  Community Connectors
- 25%  Increase in Bus Service

Service & Access Improvements:

- 

IMPROVED TRANSIT SERVICE ON MAJOR FREEWAYS
- 

IMPROVED BUS SERVICE AND BUS STOPS
- 

RESILIENCY PLANNING
- 

PARTNERSHIP PROJECTS
- 

UNIVERSAL ACCESSIBILITY

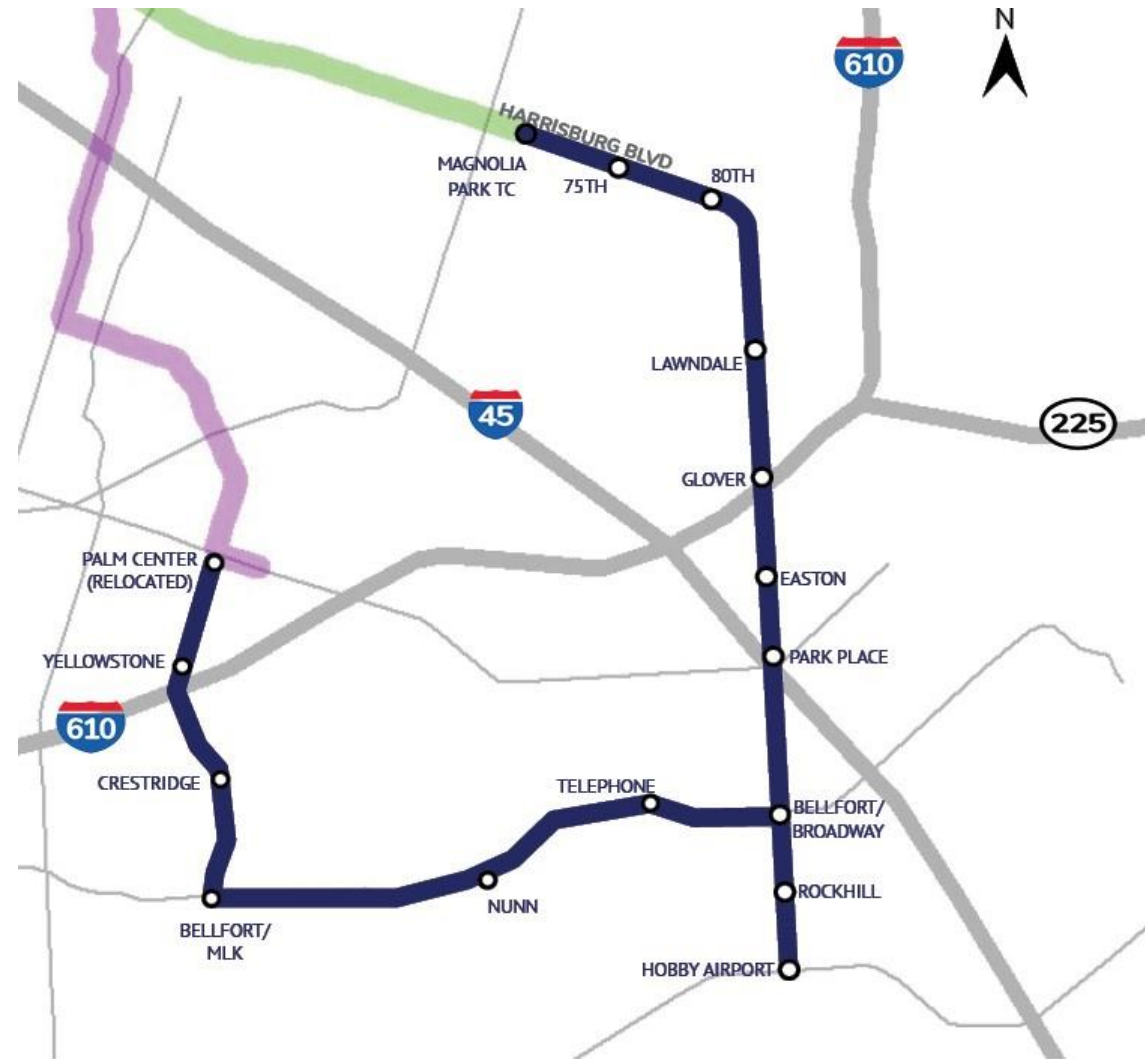
Recap

Hobby Airport Alternative Scenarios



Hobby Airport Moving Forward Plan

- Green Line extension via Broadway
- Purple Line extension via MLK and Belfort



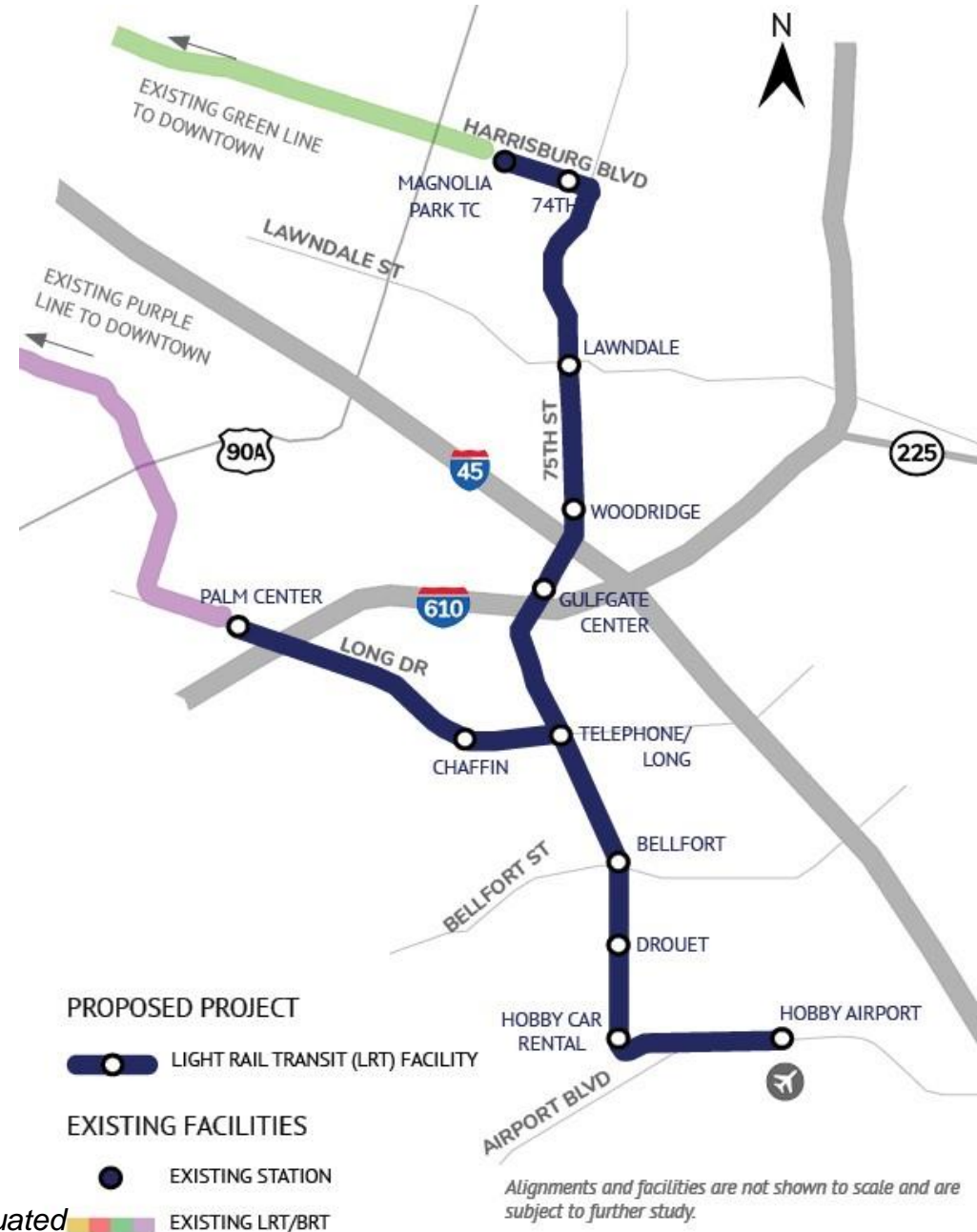
Alignments and facilities are not shown to scale and are subject to further study.

Hobby Airport Alternative Scenario - LRT

Presented at April 2019 Board workshop

Green and Purple Line LRT Extensions to Telephone/Long, Continuing as Combined Line to Hobby Airport

Travel Time from Downtown to Hobby	Green: 38 min. Purple: 41 min
Estimated Daily Ridership (Model)	6,600 Green: 4,600 Purple: 2,000
Estimated Daily Ridership (plus airport users)	8,100 to 8,600
Estimated Capital Cost (2017\$)	\$1.06 B



Note: Future parking needs are currently being evaluated
DRAFT 06.11.2019 - For Preliminary Discussion Only

Moving Forward Plan Additional LRT Scenarios



Hobby Airport Scenario 1 - LRT

Green & Purple Line LRT Extensions, Combined via Telephone (Elevated at Mason Park)

Travel Time from Downtown to Hobby
 Green: 39 min.
 Purple: 41 min.

Estimated Daily Ridership (Model)
 6,700
 Green: 4,600
 Purple: 2,100

Estimated Daily Ridership (plus airport users)
 8,200 – 8,700

Estimated Capital Cost (2017\$)
 \$1.16 B

Note: Future parking needs are currently being evaluated



Hobby Airport Scenario 2 - LRT

Concept presented at May 2019 Board workshop

Purple Line LRT Extension via Long & Telephone, Green Line LRT Extension to Purple Line at MacGregor Park/MLK via Wayside

Travel Time from Downtown to Hobby	Green: 50 min. Purple: 41 min.
Estimated Daily Ridership (Model)	4,600 Green: 2,800 Purple: 1,800
Estimated Daily Ridership (plus airport users)	6,100 – 6,600
Estimated Capital Cost (2017\$)	\$1.07 B

Note: Future parking needs are currently being evaluated



Alignments and facilities are not shown to scale and are subject to further study.

Hobby Airport Scenario 3 - LRT

Concept presented at May 2019 Board workshop

Green & Purple Line LRT Extensions, Combined via Reveille & Telephone (At-Grade)

Travel Time from Downtown to Hobby
 Green: 47 min.
 Purple: 41 min.

Estimated Daily Ridership (Model)
 6,300
 Green: 4,500
 Purple: 1,800

Estimated Daily Ridership (plus airport users)
 7,800 – 8,300

Estimated Capital Cost (2017\$)
 \$1.32 B

Note: Future parking needs are currently being evaluated



Hobby Airport

Alternative Scenarios – Summary

	Moving Forward Plan – Green and Purple Line Extensions to Hobby Airport	presented April 2019 Board workshop	Scenario 1	Scenario 2	Scenario 3
		Green & Purple Line LRT Extensions to Telephone/Long, Continuing as Combined Line to Hobby Airport	Green & Purple Line LRT Extensions, Combined via Telephone (Elevated at Mason Park)	Purple Line LRT Extension via Long & Telephone, Green Line LRT Extension to Purple Line at MacGregor Park/MLK via Wayside	Green & Purple Line LRT Extensions, Combined via Reveille & Telephone (At-Grade)
Travel Time from Downtown/Monroe Park & Ride to Hobby	Green: 40 min. Purple: 48 min.	Green: 38 min. Purple: 41 min.	Green: 39 min. Purple: 41 min.	Green: 50 min. Purple: 41 min.	Green: 47 min. Purple: 41 min.
Estimated Daily Ridership (Model)	7,200 4,400 – Green 2,800 – Purple	6,600 Green: 4,600 Purple: 2,000	6,700 Green: 4,600 Purple: 2,100	4,600 Green: 2,800 Purple: 1,800	6,300 Green: 4,500 Purple: 1,800
Estimated Daily Ridership (plus airport users)	8,700 to 9,200	8,100 to 8,600	8,200 to 8,700	6,100 to 6,600	7,800 to 8,300
Estimated Capital Cost (2017\$)	\$1.80 B	\$1.06 B	\$1.16 B	\$1.07 B	\$1.32 B

LRT Extension to Heights/Yale

LRT Extension to Heights/Yale

Travel Time from Theater District Station to Heights/Yale 8 min

Estimated Daily Ridership (Model) 5,500

Estimated Capital Cost (2017\$) \$249 M

Note: Future parking needs are currently being evaluated



Next Steps

- › July 2019 Board adoption of Plan