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

January 2017
Set Overall Direction

2017

Public Input

ENGAGE

PLAN

System Planning

SHARE

Public Input & Public Education

July 2019

DELIVER

We Are Here
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
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

**Service & Access Improvements:**

- New or Improved Park & Rides, Transit Centers
- Community Connectors
- Increase in Bus Service

**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 Bellfort
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)

- 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.
Moving Forward Plan
Additional LRT Scenarios
Hobby Airport
Scenario 1 - LRT

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

<table>
<thead>
<tr>
<th>Travel Time from Downtown to Hobby</th>
<th>Green: 39 min.</th>
<th>Purple: 41 min.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Estimated Daily Ridership (Model)</td>
<td>6,700</td>
<td></td>
</tr>
<tr>
<td>Estimated Daily Ridership (plus airport users)</td>
<td>8,200 – 8,700</td>
<td></td>
</tr>
<tr>
<td>Estimated Capital Cost (2017$)</td>
<td>$1.16 B</td>
<td></td>
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</tbody>
</table>

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)
- 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.

Aligned 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)
- 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

Alignment and facilities are not shown to scale and are subject to further study.
<table>
<thead>
<tr>
<th>Moving Forward Plan – Green and Purple Line Extensions to Hobby Airport</th>
<th>presented April 2019 Board workshop</th>
<th>Scenario 1</th>
<th>Scenario 2</th>
<th>Scenario 3</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Green &amp; Purple Line LRT Extensions to Telephone/Long, Continuing as Combined Line to Hobby Airport</td>
<td>Green &amp; Purple Line LRT Extensions, Combined via Telephone (Elevated at Mason Park)</td>
<td>Purple Line LRT Extension via Long &amp; Telephone, Green Line LRT Extension to Purple Line at MacGregor Park/MLK via Wayside</td>
<td>Green &amp; Purple Line LRT Extensions, Combined via Reveille &amp; Telephone (At-Grade)</td>
</tr>
<tr>
<td><strong>Estimated Daily Ridership (Model)</strong></td>
<td>7,200 Green: 4,400 – Purple 2,800 – Purple</td>
<td>6,600 Green: 4,600 Purple: 2,000</td>
<td>6,700 Green: 4,600 Purple: 2,100</td>
<td>4,600 Green: 2,800 Purple: 1,800</td>
</tr>
<tr>
<td><strong>Estimated Daily Ridership (plus airport users)</strong></td>
<td>8,700 to 9,200</td>
<td>8,100 to 8,600</td>
<td>8,200 to 8,700</td>
<td>6,100 to 6,600</td>
</tr>
<tr>
<td><strong>Estimated Capital Cost (2017$)</strong></td>
<td>$1.80 B</td>
<td>$1.06 B</td>
<td>$1.16 B</td>
<td>$1.07 B</td>
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LRT Extension to Heights/Yale

<table>
<thead>
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<tbody>
<tr>
<td>Travel Time from Theater District Station to Heights/Yale</td>
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<tr>
<td>8 min</td>
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<tr>
<td>Estimated Daily Ridership (Model)</td>
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<tr>
<td>5,500</td>
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<tr>
<td>Estimated Capital Cost (2017$)</td>
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<td>$249 M</td>
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Next Steps

- July 2019  Board adoption of Plan