Rapid Bus Update

TAB – May 16, 2018
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Metro Transit
How can we make the most-used buses **faster**?

1. Reduce the time it takes to get on and off the bus.

2. Reduce the time buses are stopped at red lights.

The chart shows the following:

- **42% Moving**: Buses are moving less than half the time.
- **32% Boarding**: This is the second largest time spent.
- **23% Red Light**: This is the third largest time spent.
- **3% Traffic delays**: This is the smallest time spent.

Buses are moving less than half the time.
How can we make the most-used buses easier to use?
A Line: Project scope

- First in planned program of 11 lines
- 10 miles
- 20 stations
- 4 cities
- 2 light rail connections
- 13-bus fleet
- $27 million project cost
- Proven frequent service corridor with 4,000 rides before improvement
- Forecast: 8,700 rides by 2030
Neighborhood-Scale Stations

- Pylon station marker
- NexTrip sign
- Maps & schedule information
- Security features
- Ticket machines & Smart card reader
- Improved sidewalk lighting
- Consistently stylized shelter with heat and light (size varies based on activity, space)
- Clear sidewalk for safe boarding through all doors plus space for benches & bike racks
Platform dimensions & consistent layout

2’ Tactile Edge
4’ Clear Boarding Area

2 + 4 = 6’ clear snow plow zone

~6’ typical Furnishing Zone

Unobstructed sidewalk
Fully off-board, proof-of-payment fare collection
Transit signal priority & farside stops
A Line: Proven Success

• 94% On-time performance (Jan 2018)
• 25% faster than Route 84 through delay reductions
• 40% more rides/service hour than before BRT (more efficient and productive)
• Faster, more reliable access to jobs and opportunity
• Overall customer satisfaction above local bus, equal to LRT
First year: 32% corridor ridership growth

A Line Total Corridor Rides
One year after A Line launch

- June 11, 2015 through June 10, 2016: 1,332,895 rides
- June 11, 2016 through June 10, 2017: 1,491,725 rides

Growth: +32%
April 2016 vs. April 2017 Corridor Ridership

- **Weekday**: +31%
- **Saturday**: +43%
- **Sunday**: +33%

April 2016 vs. April 2017 Corridor Ridership
C Line (Penn Avenue North)

- 8.5 miles from downtown Minneapolis to Brooklyn Center
- Substantial replacement of Route 19
- 23 stations
- 7,600 daily rides today, 9,300 by 2030
- $37 million project budget
- First deployment of battery-electric buses for Metro Transit
- 2018 construction
- 2019 service launch
D Line (Chicago / Emerson-Fremont)

- 18 miles from Bloomington to Brooklyn Center
- Substantial replacement of Route 5
- Approximately 40 stations
- 16,000 daily rides today, 23,500 by 2030
- $75 million project budget
  - $40 million identified
  - $35 million remaining need
- Included in Gov. Dayton’s 2018 bonding proposal
- 2020/2021 construction
Route 5 today

Buses make up 3-4% of traffic

...and carry up to 35% of people
B Line: Lake Street / Marshall Avenue

- Replacement of much of Route 21
- Builds on 2012-2013 Midtown Alternatives Analysis
- West Lake Station to Snelling & University
- Coordination with Lake Street Connections, Lake & Hiawatha projects
E Line: Hennepin Avenue

- Substantial replacement of Route 6
- Coordination with street reconstruction projects
- 2018-2019: Corridor study / pre-planning
- 2019-2020: Planning
- 2020-2021: Engineering
## Regional Solicitation Funding and Rapid Bus Lines

<table>
<thead>
<tr>
<th>Corridor</th>
<th>Expansion Grant</th>
<th>Modernization Grant</th>
<th>Outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Snelling Ave</td>
<td>X</td>
<td></td>
<td>Implemented 2016</td>
</tr>
<tr>
<td>West 7th St</td>
<td>X</td>
<td></td>
<td>Project cancelled; Returned grant</td>
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<tr>
<td>East 7th St</td>
<td>X</td>
<td></td>
<td>Route 54 extension mid-2018</td>
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<tr>
<td>Penn Ave N</td>
<td>X</td>
<td>X</td>
<td>Implementing as C Line project</td>
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<tr>
<td>Chicago Ave S</td>
<td>X</td>
<td>X</td>
<td>Advancing as D Line project</td>
</tr>
<tr>
<td>Emerson-Fremont Aves</td>
<td>X</td>
<td></td>
<td>Advancing as D Line project</td>
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<tr>
<td>Lake St-Marshall Ave</td>
<td>X</td>
<td></td>
<td>B Line rapid bus, or standalone improvement</td>
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