D Line Rapid Bus
Project Planning & Bicycle-Transit Considerations
Hennepin County Bicycle Advisory Committee
July 17, 2017

Scott Janowiak, Planner
BRT/Small Starts Project Office
D Line: Scope

- Substantially replace Route 5
- 18.2 miles (about 2 mi. in Richfield)
- Service every 10 minutes, 20-25% faster than Route 5
- Approximately 50 stations
- More comfortable
  - Rapid bus style shelters with heat, light, security features, signage
  - Larger buses
- Improved travel time
  - Pre-boarding fare payment
  - All-door boarding
  - Transit signal priority
- 2030 daily ridership forecast with rapid bus improvements: **23,500**
# Project Schedule

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<th>Task</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
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<td>Planning issues resolution</td>
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<td>Publish &amp; approve station plan</td>
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<td>Complete NEPA document</td>
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<td>Develop service plan</td>
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<td>Design services procurement</td>
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<td>Preliminary design</td>
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<td>ROW acquisition</td>
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<td>Construction procurement</td>
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Assumes engineering funds are identified mid-2018; construction funds identified mid-2019

Revenue service to begin following construction & testing
Planning Process Overview

• **Planning objective:** Approved *D Line Station Plan*
  - **What intersection?**
  - **What intersection quadrant?**
  - **How was location determined?**

• Setting up for engineering phase
  - Intersection + quadrant → Feet + inches
  - Understanding interaction between bicycle-transit facilities
Bicycle-transit considerations

• On County roadways
  – 44th Avenue North
    • 44th & Penn
    • 44th & Humboldt/Girard
  – Portland Avenue
    • Portland & 60th
    • Portland & 66th
    • Portland & 70th/73rd

• Other primary corridors
  – Emerson-Fremont Avenues
  – Chicago Avenue
  – American Boulevard
Examples of transit-bicycle facility interaction

- Bicycle lane throughout length of platform
- Transition from bicycle lane to shared lane and back
- Shared lane continuation
Potential future roadway conditions to consider

1.) Portland & 60th bike-ped (Regional Solicitation)
2.) Portland & 66th bike-ped (Regional Solicitation)
3.) 44th Avenue reconstruction (Regional Solicitation)
4.) Recent reconstruction of Portland Avenue
Planning next steps

- Station planning process
  - Now through end of 2017: Agency coordination, outreach and engagement
    - Determine bike-transit “fit” to the extent possible pre-engineering
  - Beginning of 2018 through mid-year 2018: Station Plan review and approval process

**PRELIMINARY PROJECT SCHEDULE (subject to change)**

- **2016-2017**: Planning
- **2018-2019**: Design
- **2020-2021**: Construction

*Pending project funding*
metrotransit.org/d-line-project

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