METRO Gold Line BRT
CMC Meeting
April 4, 2019
CMC Agenda

• Welcome
• Review Notes from 2/14 Meeting
• Discussion on Project Scope and Cost
• Update on Station Design
• Next Steps
• Adjourn
Discussion on Project Scope and Costs
## Recap: Project Cost Update

<table>
<thead>
<tr>
<th></th>
<th>2016 Estimate</th>
<th>2019 Update</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Project Base Scope</strong></td>
<td>$420.7M</td>
<td>$415-$439M*</td>
</tr>
<tr>
<td><strong>Total Project Contingency</strong></td>
<td></td>
<td>30%</td>
</tr>
<tr>
<td><strong>Annual Escalation Factor</strong></td>
<td></td>
<td>3.5%</td>
</tr>
<tr>
<td><strong>Opening Year</strong></td>
<td></td>
<td>2024</td>
</tr>
<tr>
<td><strong>Base Year Estimate</strong></td>
<td>2016</td>
<td>2018</td>
</tr>
<tr>
<td><strong>Forecast Year</strong></td>
<td>2023</td>
<td>2024</td>
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*Project cost drivers:
- Modified forecast year from 2023 to 2024 (added inflation costs)
- Design refinement through committee process, including platform height
- Bus Propulsion (diesel, hybrid, electric)
- Helmo-Bielenberg Bridge Regional Solicitation funding (cost deduct)
- Right of way
- Updated professional services costs
- Updated finance charges
Recap: 2019 Schedule Look-Ahead

2019 (Second Year of Project Development)

**Project Scope**
- **JAN**: Project Partners review 15% Plans & Costs
- **APR-MAY**: CMC recommends project scope and corresponding funding

**Funding**
- **JUL-AUG**: Local funding commitments for Engineering phase
- **AUG**: Prepare cost estimate for New Starts application

**FTA-New Starts**
- **SEPT**: Request New Starts rating from FTA
- **NOV-JAN**: Prepare & apply to enter New Starts Engineering phase
- **JAN**: Anticipated Environmental Decision Document
Recap: Scope Requests

1. Replacement of 4th St Bridge (includes Hadley Ave Improvements)
2. West Side Etna, Etna Station to Burns (Pedestrian Underpass)
3. Maple St Pedestrian Bridge
4. McKnight Rd Pedestrian Bridge
5. Century Ave Under I-94
6. Century Ave Pedestrian Bridge
7. East Side Etna, Pacific to Burns
8. Tanner's Lake Trail
9. Hazel Station to Ruth St
10. Hayward Ave to 4th St Lane
11. Sun Ray Area Sidewalk Upsizing
12. Helmo Station to 4th St (West Side)
13. Hudson Rd from Biehlebger Dr to Landau Dr

Legend:
- >$150K Pedestrian Connections
- <$150K Pedestrian Connections
- 4th Street Bridge (includes Hadley Ave Improvements)
- Pedestrian Connections included in GBRT
## Recap: Scope Requests

<table>
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<tr>
<th>Description</th>
<th>Estimated Cost</th>
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<tr>
<td><strong>Project Base Scope</strong></td>
<td>$415-439M</td>
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<tr>
<td><strong>Scope Requests - Bridge/Roadway:</strong></td>
<td></td>
</tr>
<tr>
<td>1. 4th Street Bridge &amp; Roadway Improvements</td>
<td>+$10.3M</td>
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<td><strong>Scope Requests - Ped Connections:</strong></td>
<td></td>
</tr>
<tr>
<td>2. West Side Etna - Etna Station to Burns (tunnel)</td>
<td>+$6.0M</td>
</tr>
<tr>
<td>3. Maple Ped Bridge</td>
<td>+$4.8M</td>
</tr>
<tr>
<td>4. McKnight Bridge (on structure)</td>
<td>+$3.3M</td>
</tr>
<tr>
<td>5. Century Avenue at-grade underpass of I-94</td>
<td>+$1.2M</td>
</tr>
<tr>
<td>6. Century Ave Bridge (on structure)</td>
<td>+$1.0M</td>
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<tr>
<td>7. East Side Etna - Pacific to Burns</td>
<td>+$370K</td>
</tr>
<tr>
<td>8. Tanner's Lake</td>
<td>+$240K</td>
</tr>
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<td>9. Hazel Station Area to Ruth</td>
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<td>13. Hudson Road from Bielenberg to Landau Drive</td>
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<td>14. Along Hudson at Johnson Parkway</td>
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Since Last CMC

• Continued strong support for adding scope requests

• Ongoing evaluation of scope requests
  – Exploration of technical issues, risks and options
  – Project partner funding considerations

• Input received from:
  – Gold Line Project Management Team
  – Gold Line Community/Business Advisory Committee (CBAC)
  – Gold Line Technical Advisory Committee (TAC)
  – Washington and Ramsey County Commissioners
Feedback: Potential Scope

• **4th Street Bridge and Roadway Improvements ($10.3M)**
  – Center left turn lanes on Hadley Ave separated from 4th Street Bridge and Roadway
  – Bridge, center-running guideway & trails = $9.85M
  – Center left turn lanes on Hadley Ave = $450K
    • Would advance as FTA-eligible “local work”
    • Local match paid by Oakdale
    • Design and construction delivered by Gold Line Project
    • Oakdale’s Capital Improvement Plan (CIP) includes funding for design and construction
Feedback: Potential Scope

- West Etna Trail and Tunnel ($6M)
  - Relatively high cost
  - Safety/security concerns raised by CBAC, TAC, and other stakeholders
  - Risk with large fiber optic trunk line (MnIT)
  - Tunnel/trail ownership & maintenance significant, unresolved
Feedback: Potential Scope

• West Etna Trail and Tunnel, continued
  – Other opportunities:
    • Beyond project - existing sidewalk network and 2020 Johnson Parkway Trail Project to improve connection across I-94
    • Within project - expand East Etna connection work (estimated $370K) to include some ADA improvements at Burns Avenue/TH 61 (~$500K/TBD)

Trunk Highway 61 and Burns Ave Intersection
TAC Recommendation

- Hadley Ave center left turn lanes, local share by Oakdale ($450K)

- Eliminate West Etna Ped Connection ($6M) from consideration and provide a safe connection east of Etna, including some ADA-related improvements at Highway 61/Burns Ave

  - MnDOT and St. Paul discussions still underway for potential future improvements at intersection
  - Limits and extent of Gold Line intersection improvements to be determined
  - Additional local funding or other project(s) may be required
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Potential Action #1 at May CMC Meeting:

“The CMC recommends continuing design advancement for up to $439M of Gold Line BRT project base scope.”

• Formal recommendation of the project budget will occur prior to applying for New Starts Engineering phase (late 2019/early 2020)

Potential Action #2 at May CMC Meeting:

• Addition of scope requests
• Planned funding for scope requests
CMC Discussion
Update on Station Design
Station Advancement Schedule

• Outreach Activities (Q1/Q2, 2019)
• Station Workshops with DARTs (Q2, 2019)
• CBAC Input (Q2, 2019)
• Station Area Design Advancement to inform 30% costs (Q2-Q4, 2019)
• Shelter Concepts (Q1 2020)
Design Principles

• **Identity**: consistent and recognizable Gold Line BRT

• **Safety & Comfort**: prioritize physical protection, well lit stations, and open site lines to and from stations

• **Connectivity**: emphasize visual and physical connections with logical pedestrian movements

• **Context**: complement and minimize effects to natural landscape features and historical resources

• **Resiliency**: durable and maintainable materials
Station Zones

STATION ZONES

Area

GBRT Scope
- Site
- Platform (Includes Shelter)
- Guideway

1/2 MILE
BRT Platform Elements

- Provide a consistent customer experience from station to station
- Metro Transit owned and maintained facilities
BRT Platform Elements

1 - Shelter
2 - Pylon
3 - Ticket Validator
4 - Tactile Warning
5 - Variable Message Sign

Typical GBRT Platform
14’ x 80’
BRT Platform Elements

Ticket Vending Machine
Information Kiosk

Waste & Recycling Receptacle
Light Fixture
Bench

Bicycle Racks

Variable Message Sign (VMS)
(METRO Green Line Shown)

Platform Light & Heaters
(A Line Shown)

Emergency Telephone
(A Line Shown)

Security Camera
(A Line Shown)
Outreach Overview (Q1/Q2, 2019)

• Intent is to inform designers of what is important to each community before they start designing
• Summarized all previous outreach
• Online survey – open until April 19
• In-Person Pop-Up Meetings and Presentations
  – Rice Park Association Meeting: March 6
  – Oakdale Indoor Market: March 16
  – Greenway Station Area Planning Meeting: March 21
  – Dayton's Bluff Library at Metro State University: March 27
  – Woodbury Community EXPO at East Ridge High School: March 30
  – Ha Tien Supermarket in Saint Paul: April 3
  – Wilson Hi Rise in Saint Paul: April 9
  – Saint Paul Farmers' Market: April 13
  – Sun Ray Transit Center: April 17
Station Design Outreach

Gold Line stations will have shelters with comfortable waiting space and a variety of amenities. NextTrip real-time departure signs, raised platforms, maps, benches, heat, lighting, bike racks, trash and recycling bins, ticket machines, enhanced security with cameras and emergency telephones.

What other station amenities or features would make your Gold Line experience better?

Note: Full funding for every station feature listed below is not included in the current Gold Line project budget. Funding for these features may be provided in the future by the corridor other or other local sources.

- Designated vehicle drop-off & pick-up zone
- Secure bicycle parking
- Bicycle tune-up station
- Wayfinding signage to local institutions & attractions
- Landscaping & greenery
- Public art
- Wi-Fi hotspot
- USB charging port or convenience outlet
- Other

My community in: [Blank]

- Safe
- Peaceful & Serene
- Modern
- Walkable & bikeable

My community in: [Blank]
CMC Next Steps
Next Steps

• Next scheduled CMC meeting is May 2
  – Recommendation on project base scope
  – Recommendation on additional scope requests

• June 6 meeting agenda topics to be discussed

• July 4 meeting will be cancelled