Today’s Topics

- Municipal Consent Recap
- Corridor-wide Safety/Security
- Golden Valley Rd Park & Ride, Trails and Intersection
- Section 106 (Historic Properties) Update
- Design Topics
- Schedule Update
Municipal Consent Recap
<table>
<thead>
<tr>
<th>City/County</th>
<th>Open House</th>
<th>Public Hearing</th>
<th>Committee/ Council/ Board Action</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brooklyn Park</td>
<td>Jan 25</td>
<td></td>
<td>Feb 22</td>
<td>Approved</td>
</tr>
<tr>
<td>Crystal</td>
<td>Jan 14</td>
<td>Feb 16</td>
<td>Feb 29</td>
<td>Approved</td>
</tr>
<tr>
<td>Robbinsdale</td>
<td>Feb 16</td>
<td></td>
<td>March 2</td>
<td>Approved</td>
</tr>
<tr>
<td>Golden Valley</td>
<td>Feb 2</td>
<td></td>
<td>Feb 16</td>
<td>Approved</td>
</tr>
<tr>
<td>Minneapolis (T&amp;PW)</td>
<td>Feb 2</td>
<td></td>
<td></td>
<td>Passed to Full Council</td>
</tr>
<tr>
<td>Minneapolis (Council)</td>
<td>N/A</td>
<td></td>
<td>Feb 12</td>
<td>Approved</td>
</tr>
<tr>
<td>Hennepin County</td>
<td>Jan 19</td>
<td></td>
<td>Feb 9</td>
<td>Approved</td>
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<tr>
<td>Hennepin County Regional Railroad Authority</td>
<td>Jan 19</td>
<td></td>
<td>N/A</td>
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Corridor-wide Safety/Security
System Safety Tasks By Project Phase

<table>
<thead>
<tr>
<th>PROJECT DEVELOPMENT 2014-2016</th>
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<tbody>
<tr>
<td>Safety Certification Planning</td>
</tr>
<tr>
<td>Preliminary Hazard Analysis</td>
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<tr>
<td>Threat &amp; Vulnerability Assessment</td>
</tr>
<tr>
<td>Critical Items Lists</td>
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<table>
<thead>
<tr>
<th>ENGINEERING 2017</th>
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<tbody>
<tr>
<td>Form Safety &amp; Security Review Committee</td>
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<tr>
<td>Verify Design Conformance to Safety Criteria</td>
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<tr>
<td>Supplemental Hazard Analyses</td>
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</tbody>
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<thead>
<tr>
<th>CONSTRUCTION 2018-2020</th>
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<tbody>
<tr>
<td>Verify Construction Conformance to Safety Criteria</td>
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<tr>
<td>Verify Integrated Testing</td>
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<tr>
<td>Public Safety Campaign</td>
</tr>
<tr>
<td>Develop Operating Rules, Procedures, Plans</td>
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<thead>
<tr>
<th>ACTIVATION 2020-2021</th>
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<tbody>
<tr>
<td>Pre-Revenue Operations</td>
</tr>
<tr>
<td>Emergency Preparedness Training &amp; Exercises</td>
</tr>
<tr>
<td>State and Federal Readiness Reviews</td>
</tr>
<tr>
<td>Final Safety Certification Report</td>
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</table>
Goal: Operate Safely

- RCRC
- Safety Department
- LRT Divisions
- Project Office Staff
- Transit Police
- Bus Operations
- Customer Services
- Marketing
- Engineering & Facilities
- Partner Agencies
- Public Officials
- Customer Feedback
- Partner Agencies
- Public Officials
- Customer Feedback
- Engineering & Facilities
- Marketing
- Customer Services
- Bus Operations
- Transit Police
- Project Office Staff
- LRT Divisions
- Safety Department
- RCRC

Metro Transit

RCRC
LRT Safety Features
Vehicle and Train Safety Elements

- Blank-out signs for traffic
- Bar signals on poles for trains
Vehicle and Train Safety Elements

• Blank-out signs for traffic
LRT Design Elements: Station & Tracks

- Safety railings
- Exterior deterrent fencing
  discouraging track crossing
- Open and transparent platform design for visibility
- Clear signage
- Video monitoring
Security Features

- Safety elements designed into the station

Security cameras

Emergency phone
Pedestrian & Bike Elements: Crossings

- Truncated domes mark crosswalk
- Countdown timer
- Push button and audible tones announce when crossing is permitted
- Sign marks crosswalk and alerts drivers
Crossing Elements: Push Button Signal
Warning Devices:
Not Activated When No Train
Warning Devices: Activated When Train Approaching

Warning devices alert pedestrians to approaching trains and signs instruct people to look both ways, then cross.
Intertrack Fences & Railings
Gated Intersection Crossing
LRT Security Features
PA System on Station Platforms
Metro Transit Police Department

• ~200 full and part-time officers:
  Æ Uniformed and plain clothes
  Æ Ride buses and trains along with patrolling the routes
  Æ Average 1,700 hours per month onboard
  Æ 2014: 1,347,000 passengers checked for fare compliance on METRO System
The Metro Transit Police Department welcomed 12 new full-time officers at a swearing-in ceremony at the Union Depot on April 30. The new class expands on the department’s continuing efforts to reflect the community it serves, with bi-lingual officers who speak Spanish, Hmong, Somali and Russian. Also included among the diverse group is the state’s first Somali female to serve as a sworn officer.
Public Safety Campaign
Public Safety Campaign

- Website
- Brochures
- Training
- Videos
- Posters
- Public Service Announcement
- Bike Safety
Safety Website and Bike Safety Video
Golden Valley Road Park & Ride, Trails and Intersection
Golden Valley Rd Park & Ride, Trails and Intersection

- CMC added scope items for Golden Valley Rd Station improvements at their Nov 12 meeting
- Park & ride design advancing
- Trail access to station has been determined
- Golden Valley Rd/Theodore Wirth Pkwy intersection design advancing
Golden Valley Rd Park & Ride
Golden Valley Rd Station Park & Ride

SECTION A

Section near Theodore Wirth Parkway
SECTION B

Section at middle of platform
Golden Valley Rd Park & Ride Design

- Terraced parking levels
- Trail head facility
- Pedestrian ramp access to station from Theodore Wirth Pkwy, Golden Valley Rd, and parking lot
- Separation from bus stop by retaining wall and change in elevation
Golden Valley Rd Park & Ride Next Steps

• Proposed Park and Ride on Minneapolis Park and Recreation Board (MPRB) property
• Identify parcels to be used in land swap with MPRB
• Land swap and/or purchase easement to be part of comprehensive BLRT property request to MPRB
• Presentation at upcoming MPRB meeting
Golden Valley Rd Trail Design

- Three Rivers Park District proposed Bassett Creek Regional Trail along Golden Valley Rd
- New north/south trail connecting to Sochacki Park trail on the north and to Theodore Wirth Pkwy trail on the south
- Access to the station via Theodore Wirth Pkwy Trail
- New north/south trail on MPRB and Three Rivers Park District property, to be owned and maintained by each agency
Golden Valley Rd Station Trails
Golden Valley Trails
Golden Valley Rd Intersection: Signalized Option
Golden Valley Rd Intersection: Roundabout Option
Golden Valley Rd/Theodore Wirth Pkwy Intersection

• Both signalized intersection and roundabout:
  - Offer improved pedestrian and bicycle access
  - Function at acceptable level of service for vehicular traffic

• Updates have been provided to Golden Valley City Council and MPRB commissioners

• Next steps:
  - Receiving public comments regarding intersection design
  - MPRB, Golden Valley, and Hennepin County staff to provide BPO with recommended design
Section 106 (Historic Properties) Update
Section 106 of the National Historic Preservation Act of 1966

• Requires Federal agencies to take into account the effects of their “undertakings” on historic properties

• Process independent from, but completed in coordination with, the National Environmental Policy Act (NEPA) and Section 4(f) of the Department of Transportation Act, as applicable
Section 106 Process

- Initiate the 106 Process: Completed 2011
- Identify Historic Properties: Completed 2014
- Assess Adverse Effects: Completed Q1 2016
- Resolve Adverse Effects: Ongoing to Q2 2016
Properties with No Adverse Effects

Great Northern Railway District / Soo Line Historic District

Theodore Wirth Parkway Bridge

Northwestern Knitting Factory

Minneapolis Warehouse Historic District

Jones Osterhus Barn
Sumner Branch Library (HE-MPC-8081)

- Eligible under NRHP Criterion A in the areas of education and social history and under Criterion B for its association with a significant individual: Gratia Alta Countryman

- BLRT project elements will not physically impact or alter the property

- No direct effects: mitigations may include design review/construction protections
Wayman African Methodist Episcopal (A.M.E.) Church (HE-MPC-8290)

• Eligible under NRHP Criterion C, in the area of architecture

• BLRT project elements will not physically impact or alter the property

• Adverse effects require mitigation, which may include completing NRHP nomination

1221 Seventh Avenue North, Minneapolis
Labor Lyceum (HE-MPC-7553)

• Eligible under NRHP Criterion A, in the areas of social history and politics / government

• BLRT project elements will not physically impact or alter the property

• No direct effects: mitigations may include design review / construction protections

1800 Olson Memorial Highway, Minneapolis
Floyd B. Olson Memorial Statue (HE-MPC-9013)

- Eligible under NRHP Criterion C, as the work of a master: sculptor Carlo Brioschi

- The statue itself will not be physically altered or impacted, though the plaza in which it is located may undergo sidewalk and landscaping changes

- Adverse effects require mitigation, which may include historic property treatment plan/completing NRHP nomination

TH 55 at Penn Avenue North, Minneapolis
Homewood Residential Historic District (HE-MPC-12101)

- Eligible under NRHP Criterion A in the areas of community planning and social history

- BLRT project elements will not physically impact or alter the district

- Adverse effects require mitigation, which may include design review/construction protections/noise mitigation
Osseo Branch Line/Great Northern Railway Historic District (HE-RRD-002)

- Eligible under NRHP Criterion A for its role in expanding potato farming in northern Hennepin County and for creating a new connection from the region to Minneapolis

- BLRT will use ROW for a portion of the Osseo Line, with elements such as stations, substations, and signal bungalows being constructed along the Line

- Adverse effects require mitigation, which may include interpretive elements/property documentation
Grand Rounds Historic District: Theodore Wirth Segment (XX-PRK-0001)

- Eligible under NRHP Criterion A in the areas of community planning and entertainment / recreation and under Criterion C in the area of landscape architecture

- The BLRT alignment will be located on the east side of Theodore Wirth Park within the existing BNSF ROW

- Adverse effects require mitigation, which may include design review, interpretive elements, and preservation planning

Golden Valley, Minneapolis
Sacred Heart Catholic Church (HE-RBC-1462)

• Eligible under NRHP Criterion C, in the area of architecture

• BLRT project elements will not physically impact or alter the property

• No direct effects: mitigations may include design review/ construction protections/noise mitigation (quiet zone implementation)

4087 West Broadway Avenue, Robbinsdale
Robbinsdale Waterworks (HE-RBC-286)

- Eligible under NRHP Criterion A, for its association with federal relief projects resulting from the Great Depression; more specifically, it is one of the remaining WPA public utility projects in Minnesota.

- No direct effects: mitigations may include design review/construction protections.

4217 Hubbard Avenue North, Robbinsdale
Hennepin County Library, Robbinsdale Branch (HE-RBC-024)

- Eligible under NRHP Criterion A, in the area of education

- BLRT project elements will not physically impact or alter the property

- No direct effects: mitigations may include design review/construction protections/noise mitigation (quiet zone implementation)
West Broadway Avenue Residential Historic District (HE-RBC-158)

- Eligible under NRHP Criterion C, in the area of architecture
- BLRT project elements will not physically impact or alter the property
- Adverse effects require mitigation, which may include design review/ construction protections/noise mitigation (quiet zone implementation)
Design Topics
TH 610: Brooklyn Park

- TH 610 Interchange coordination with proposed alignment of West Broadway
- Refining geometrics via Design Review Team and MnDOT layout review, in coordination with City of Brooklyn Park and Hennepin County
TH 610: Brooklyn Park Roadway Network
North of TH 610

610 Interchange
TH 610: Brooklyn Park

LRT Guideway

Proposed West Broadway

TH 610 Ramps

SAWCUT LINE

MNDOT R/W

N

20 mph

20 mph
39 ½ Avenue Closure: Robbinsdale

• Closure proposed to:
  - Promote safety by closing an at-grade rail crossing
  - Reduce noise impacts by eliminating train bells and crossing devices
39 ½ Avenue Closure: Robbinsdale
Schedule Update
Schedule Update

• May
  • FTA completes legal review of FEIS
  • Perform BPO risk assessment

• June
  • Publish FEIS in Federal Register
  • Update advisory committees on Project Scope
  • Present final Project Scope and Budget recommendation to CMC

• August
  • FTA signs Record of Decision
  • CTIB and HCRRA actions on Project Scope and Budget
  • Council action on Project Scope and Budget
  • Submit application for New Starts and Entry into Engineering
Member Reports
More Information

Website: BlueLineExt.org
Email: BlueLineExt@metrotransit.org
Twitter: @BlueLineExt