Corridor Management Committee

May 12, 2016
Today’s Topics

- Safety & Security: MTPD
- Hwy 81 Pedestrian Crossings at Bass Lake Rd & 63rd Ave
- Noise Walls
- Design Updates:
  - Traction Power Substations (TPSS) & System Elements
  - Golden Valley Road/Theodore Wirth Park Intersection Update
- 2016 Outreach Overview
- Meeting Schedule
Mike Johnson
Lieutenant - Metro Transit Police
West Command
MISSION STATEMENT
Protecting our community through innovation and problem solving.

METRO TRANSIT POLICE CORE VALUES
• INNOVATION
• PARTNERSHIPS
  • ETHICS
  • DIVERSITY
• EDUCATION

Established by MN Legislature in 1993
State Statute 473.407
2008 Statute changed to expand jurisdictional authority.
Sworn police officers: blended force of 200 officers
- 109 Full-time
- 77 Part-time
- 11 Community Service Officers

Protecting the transportation needs of:
- 90,000,000 Passengers Per Year
- 1,400 Bus Operators
- 910 Buses
- 100 Light Rail Vehicle Operators
- 86 Light Rail Vehicles
- 24 Northstar Engineers/Conductors
- 6 Locomotives / 18 Passenger cars
- 8 Facilities
- 90 Cities
- 8 Counties
  - Hennepin, Ramsey, Anoka, Dakota, Scott, Washington, Carver and Sherburne
Full Time Officer Academy
Officer Deployment

- Squad Assignments
- Foot Beats
  - St. Paul and Mpls
  - Bike Officers
- Teams
  - Bus
  - Light Rail
  - Northstar
- 7th/Nic Sub Station
- Alliance Bank Sub Station
- MOA Substation
- CTU
- Special Events
4 Canines: Explosive Detection and Patrol
Crash Reconstruction

5 Technical Crash Investigators
8 Crash Reconstructionists
Policing Strategies:

- Neighborhood Oriented
- Policing Beats DID, 7th/Nic, BOMA, BCTC, MOA
- Operators Academy
- Be good partners, plug-in and assist
Partnerships

- TSA
- FAMS
  - VIPR
    (Visual Intermodal Protection and Response)
- APD
- BPD
- MPLS
- SPPD
- MN HSEM
  - Grants
Bus Applications
• Service from Downtown Mpls to MOA
• 19 Stations
• Rush Hour Headways 7.5 minutes
• Approx. 40 minutes end to end
• Max speed 55mph-along Hiawatha
GREEN LINE 2014

- 18 Stations
- 9.8 miles of new double track
- 47 new Light Rail Vehicles
- 41,000 average weekday ridership in 2030
- Rush Hour Headways 10 minutes
- Approx. 50 minutes to Target Field
Light Rail: Security Features

- Security Cameras
- PA System on Station Platforms
- Emergency Telephones on Station Platforms
- Station Variable Message Sign
Northstar Commuter Rail 2009

- 49 minutes, 40 miles
- Six weekday roundtrips
- Three weekend roundtrips
- 2,800 parking spaces
- 2,500 weekday rides

Push/Pull Operations
10 Trains a Day / 12 trips
1 Locomotive / 5 Coaches
Northstar Commuter Rail

- Policing & Fare Inspection-MTPD
- Northstar Owns & Maintains the Equipment
  - BNSF Operates the Trains
    - 2 person Crew
  - Leased BNSF track
BNSF Control Center in Fort Worth, TX
Special Events

Twins – 80
Saints – 54
Vikings – 10
Gophers – 9
Transit & Emergency Management

- Crash Drills
- Active Shooter
You will not rise to the occasion during a critical incident, you will default to your highest level of training.

2009
- Pan Flu Table Top
- LRT Crash full-scale drill
- BNSF Table Top: Derailment
- BNSF Table Top: TCC/Notifications

2010
- LRT-BFD: Table Top/mass casualty event LRT crash
- BNSF: Full-scale derailment/collision Target Field

2011
- LRT: Table top BFD LRT crash
- LRT: Full-scale BFD LRT crash
- BNSF: Table Top FLSC multiple simultaneous events

2012
- NS: Full-scale exercise

2013
- June: NS 3 ECHO Facilitated
- August: U of M active shooter, participated
- August: TTX-HCSO Mumbai style attack, participated
- Oct 3: Echo Ramsey County Co-facilitated
- Nov 6: TTX FBI Operation Red Line-participated
- Nov: TTX SP EM LRT/terror attack, participated and planning team

2014
- March: FSE Celtic blast
- April: Crash Drill Univ/Raymond
- April: 35W
Coming Soon
Thank You

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Hwy 81 Pedestrian Crossings at Bass Lake Road & 63rd Ave
Hwy 81 Pedestrian Crossings at Bass Lake Rd & 63rd Ave

• February 11, 2016 CMC resolution:
  “Direct staff to continue its efforts towards development of an at-grade crossing or bridge crossing at 63rd and a pedestrian bridge crossing at Bass Lake Road for the eventual inclusion in the scope of the project.”
Bass Lake Rd Pedestrian Crossing: Intersection Improvements

• Hennepin County implementing improvements in 2016
• Wider median, add pedestrian push button in median
• Pedestrian crosswalks:
  ▪ Widen from 6-8’ to 12’ for visibility, add black paint for contrast
  ▪ Raise crosswalks in free right turn lanes
  ▪ Add stop bars
Bass Lake Rd Pedestrian Crossing: Intersection Improvements
Bass Lake Rd Pedestrian Bridge

- Site analysis underway: utility coordination, pier location
- Research maintenance responsibilities at other jurisdictions
April 26 Brooklyn Park Tour: Columbia Heights Pedestrian Bridge

• Pedestrian bridge constructed in 2011, replacing former structure built in 1970; owned by MnDOT and maintained by Columbia Heights

• Elevators were considered for new structure, but eliminated due to maintenance concerns

• Close proximity to several schools

• At grade crossings were removed:
  - generally high compliance with school children, supported by educational campaign
  - poorer compliance with general public
Columbia Heights Pedestrian Bridge
April 26 Brooklyn Park Tour: 66th and France Intersection Improvements

- Pedestrian bridge awarded regional solicitation funds; at grade improvements constructed instead
- France Ave 6-lane with turn lanes
- 30,000 ADT, 35-45 mph speed limit
- Free rights removed
- Roadway: lanes narrowed, wider crosswalks set back from intersection, “Dutch” planted corners
- Median: widened, push buttons and decorative lighting added
66th and France Intersection Improvements
May 9 Brooklyn Park
Open House/Technical Presentation
63rd Ave Pedestrian Crossing: Next Steps

- BPO to recommend for June 2 CMC meeting:
  - Pedestrian crossing improvements with construction costs estimate (at-grade/bridge)
  - Recommended operations & maintenance responsibilities
Noise Walls
Noise Walls

- Identified as mitigation measure for LRV-generated noise
- Noise walls identified at locations in Golden Valley, Robbinsdale, and Crystal
Noise Barriers on Retaining Wall
Retaining Wall as Noise Barrier
Noise Barrier Only

- Freight
- Track 1
- Track 2
- Noise Barrier
- Adjacent Structure
- 10.00'
Noise Walls: Golden Valley

• Kewanee Way: from Manor Dr to north of 26th Ave
  ▪ Required noise barrier height of 10’
  ▪ Retaining wall will be used as base for noise barrier where possible
Noise Walls: Robbinsdale

• Indiana Ave: from 31 ½ Ave to north of 33rd Ave
  ▪ Required noise barrier height of 10’
  ▪ Retaining wall will be used as base for noise barrier where possible

• East side of corridor: from 34th Ave to 40 ½ Ave
  ▪ Required noise barrier height varies from 6’ to 8’
  ▪ Retaining wall will be used as base for noise barrier where possible

• West side of corridor: from 36th Ave to end of June Ave
  ▪ 6’ crash wall used as noise barrier / crash wall hybrid
Noise Walls: Robbinsdale

8' NOISE BARRIER ONLY

MINIMUM 8' RETAINING WALL

8' NOISE BARRIER/RETAINING WALL HYBRID

*NOTE: NOISE BARRIER WIDTH IS EXAGGERATED FOR GRAPHIC REPRESENTATION ONLY.
Noise Walls: Robbinsdale
Noise Walls: Crystal

- East side of corridor: from 45th Ave to Corvallis
  - Required noise barrier height of 10’
  - Break in barrier required at W. Broadway crossing
Noise Walls: Crystal
Design Updates
Traction Power Substations & Systems Elements
TPSS and Signal Bungalow: Green Line

TPSS at 25th and U of M Transitway
Signal Bungalows
Grade Crossing Bungalows
Systems Elements Locations

• Location review looked at parcel ownership and followed the following order in determination of the optimal sites
  1. Met Council property
  2. Hennepin County Railroad Authority property
  3. Other public agency property (MnDOT, County, City)
  4. Private property acquired as part of the LRT project
  5. Vacant private property
Systems Elements

• TPSS’s (15)
  ▪ 6 on Public Parcels
  ▪ 0 on BNSF ROW
  ▪ 9 on Private Parcels

• Signal Bungalows (15)
  ▪ 7 on Public Parcels
  ▪ 2 on BNSF ROW
  ▪ 6 on Private Parcels

• Grade Crossing Bungalows (12)
  ▪ 1 on Public Parcel
  ▪ 10 on BNSF ROW
  ▪ 1 on Private Parcel
Systems Elements Locations:
Golden Valley and Robbinsdale
Systems Elements Locations: Robbinsdale and Crystal
Systems Elements Locations: Crystal and Brooklyn Park
Systems Elements Locations: Brooklyn Park
Systems Elements Locations: Brooklyn Park
Systems Elements Next Steps

- Continue working with project stakeholders to finalize locations
- Develop site plans
- Investigate fencing and screening options as design advances
Golden Valley Road/Theodore Wirth Parkway Intersection Update
Golden Valley Rd Intersection: Signalized Option
Golden Valley Rd/Theodore Wirth Pkwy Intersection Update

- Signalized intersection
  - Recommended by MPRB, County and City
  - Signal offers better pedestrian and bicycle access
  - Function at acceptable level of service for vehicular traffic

- Next steps:
  - Receive public comments regarding design details at public meetings this summer
2016 Outreach Overview
2016 Outreach Overview

• Key Topics:
  ▪ LRT operations
  ▪ Safety and security
  ▪ Environmental process
  ▪ ROW process
  ▪ Survey work: environmental, geo-technical
  ▪ Technology
  ▪ Parks

• One-pagers, newsletters, website, community presentations
2016 Outreach Overview

• Key Outreach Activities: Corridor-wide
  ▪ Station design
  ▪ 30% civil design
  ▪ Park-n-ride design
  ▪ Traction power substations/signal bungalows
  ▪ Fencing/streetscaping

• Open houses, community meetings/presentations, newsletters, website, city council presentations
2016 Outreach Overview

• Key Outreach Activities: Community specific
  ▪ Roadway modifications
  ▪ Aesthetics
  ▪ Environmental testing
  ▪ Operations & maintenance facility design
  ▪ Property owner meetings

• Neighborhood meetings/presentations, property owner meetings
Meeting Schedule
BLRT Advisory Committees

• Update on Project Scope
  - TPAC: May 31
  - CAC & BAC: May 31 (joint meeting)

• Recommendation of Project Scope and Budget
  - CMC: June 2

• Action on Project Scope and Budget
  - CMC: June 23
Funding Partners

• Recommendation on Project Scope and Budget
  ▪ CTIB: June 15
  ▪ HCRRA: June 21

• Update on CMC recommendation of Project Scope and Budget
  ▪ HCRRA: July 12
  ▪ Metropolitan Council: July 13
  ▪ CTIB: July 20

• Approval of Project Scope and Budget
  ▪ Metropolitan Council Transportation Committee: August 8
  ▪ Metropolitan Council: August 24
More Information

Website: BlueLineExt.org
Email: BlueLineExt@metrotransit.org
Twitter: @BlueLineExt
## 2016 Blue Line Extension Corridor Management Committee Meetings

<table>
<thead>
<tr>
<th>Date</th>
<th>Location</th>
<th>Meeting Time</th>
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</thead>
<tbody>
<tr>
<td><strong>Thursday, May 12</strong></td>
<td>Hennepin County Rockford Road Library, Crystal</td>
<td>1:30 pm - 3:00 pm</td>
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<tr>
<td><strong>Thursday, June 2</strong></td>
<td>Hennepin County Rockford Road Library, Crystal</td>
<td>1:30 pm - 3:00 pm</td>
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<tr>
<td><strong>Thursday, June 23</strong></td>
<td>Brooklyn Park Community Activity Center, Brooklyn Park</td>
<td>1:30 pm - 3:00 pm</td>
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<td><strong>Thursday, July 14</strong></td>
<td>Location verified with meeting agenda</td>
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<td><strong>Thursday, Aug 11</strong></td>
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<td><strong>Thursday, Sept 8</strong></td>
<td>Location verified with meeting agenda</td>
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<td><strong>Thursday, Oct 13</strong></td>
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<td><strong>Thursday, Nov 10</strong></td>
<td>Location verified with meeting agenda</td>
<td>1:30 pm - 3:00 pm</td>
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<tr>
<td><strong>Thursday, Dec 8</strong></td>
<td>Location verified with meeting agenda</td>
<td>1:30 pm - 3:00 pm</td>
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