



# Corridor Management Committee

May 12, 2016



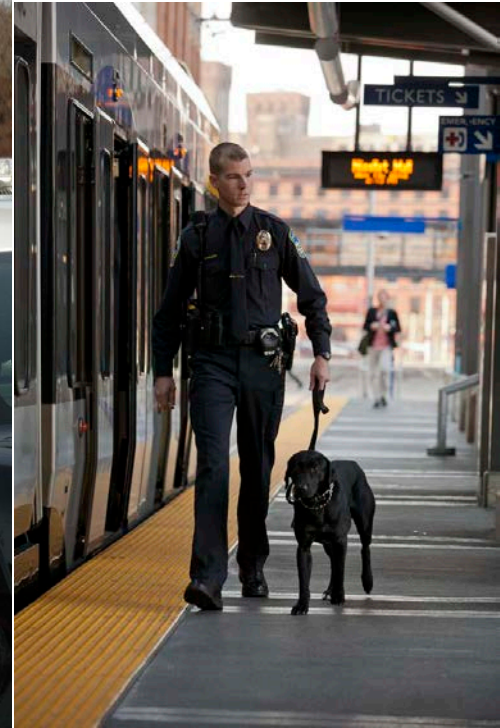
# Today's Topics

- Safety & Security: MTPD
- Hwy 81 Pedestrian Crossings at Bass Lake Rd & 63<sup>rd</sup> Ave
- Noise Walls
- Design Updates:
  - Traction Power Substations (TPSS) & System Elements
  - Golden Valley Road/Theodore Wirth Park Intersection Update
- 2016 Outreach Overview
- Meeting Schedule





# Metro Transit Police



Mike Johnson

Lieutenant - Metro Transit Police

West Command







# Metro Transit Police



**Established by MN Legislature in 1993**

**State Statute 473.407**

**2008 Statute changed to expand jurisdictional authority.**

## **MISSION STATEMENT**

**Protecting our community through  
innovation and problem solving.**

## **METRO TRANSIT POLICE CORE VALUES**

- INNOVATION
- PARTNERSHIPS
  - ETHICS
  - DIVERSITY
  - EDUCATION







# Metro Transit Police



- 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







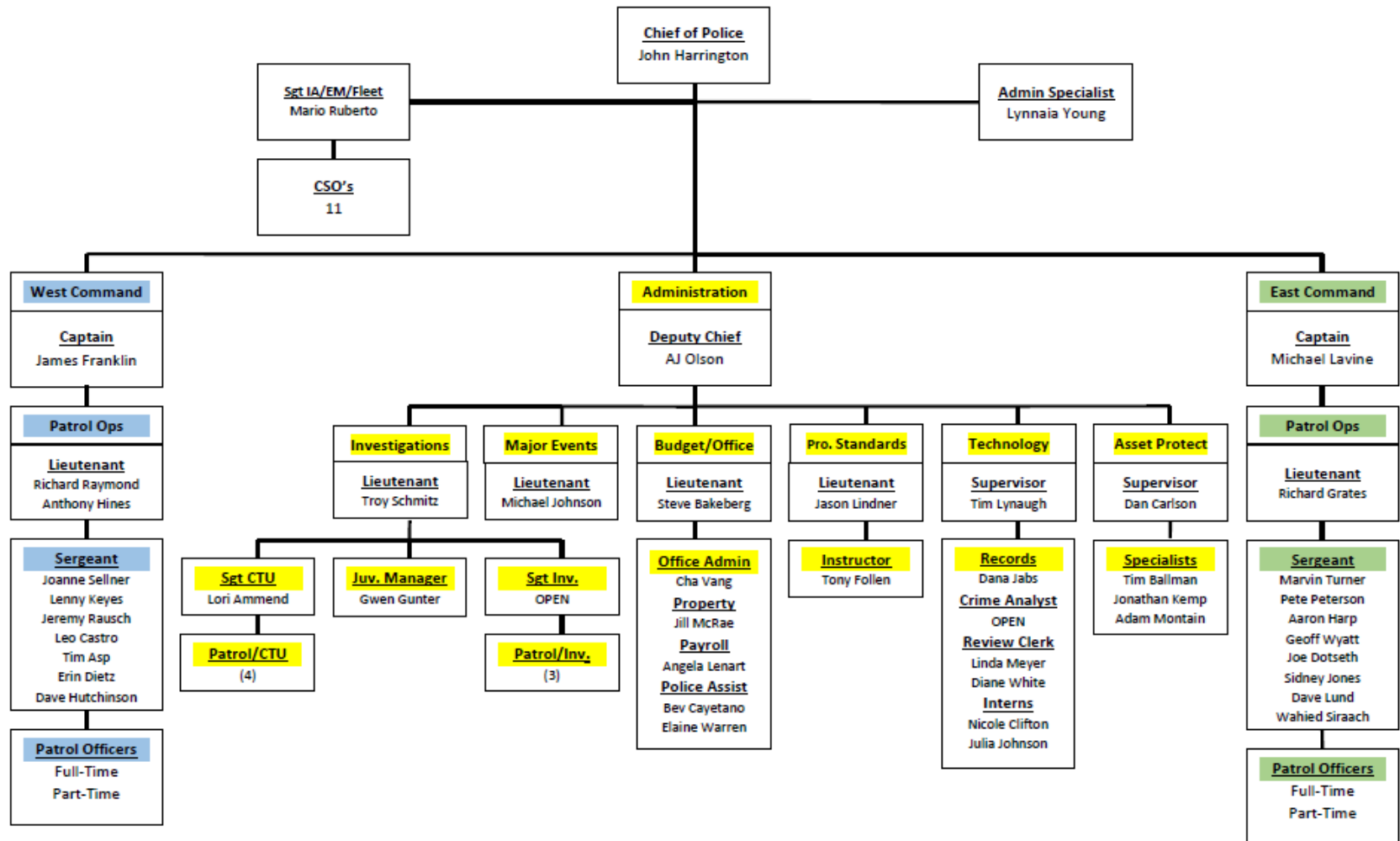
# Part Time Officer Academy







# Organizational Structure





# Officer Deployment



- Squad Assignments
- Foot Beats
  - St. Paul and Mpls
  - Bike Officers
- Teams
  - Bus
  - Light Rail
  - Northstar
- 7<sup>th</sup>/ Nic Sub Station
- Alliance Bank Sub Station
- MOA Substation
- CTU
- Special Events







# 4 Canines: Explosive Detection and Patrol



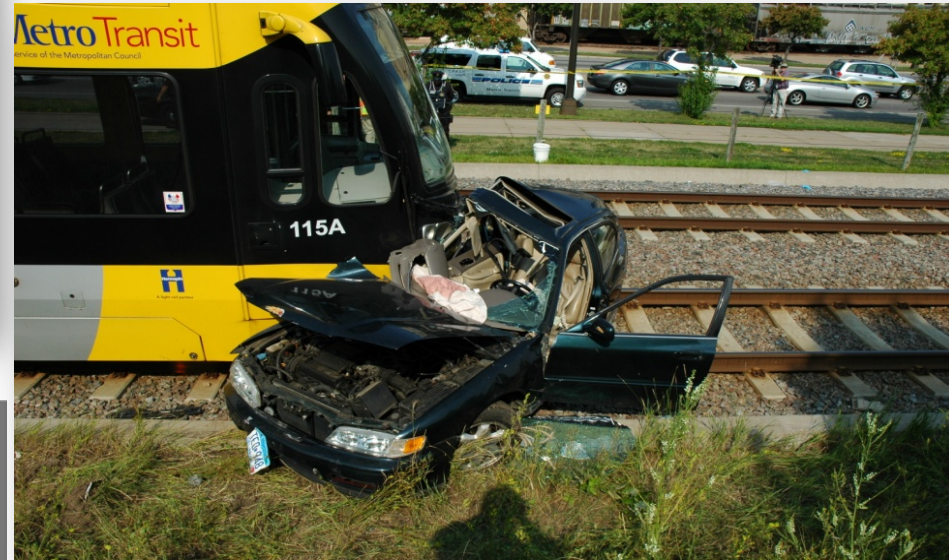




# Crash Reconstruction



5 Technical Crash Investigators  
8 Crash Reconstructionists







# Policing Strategies:



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

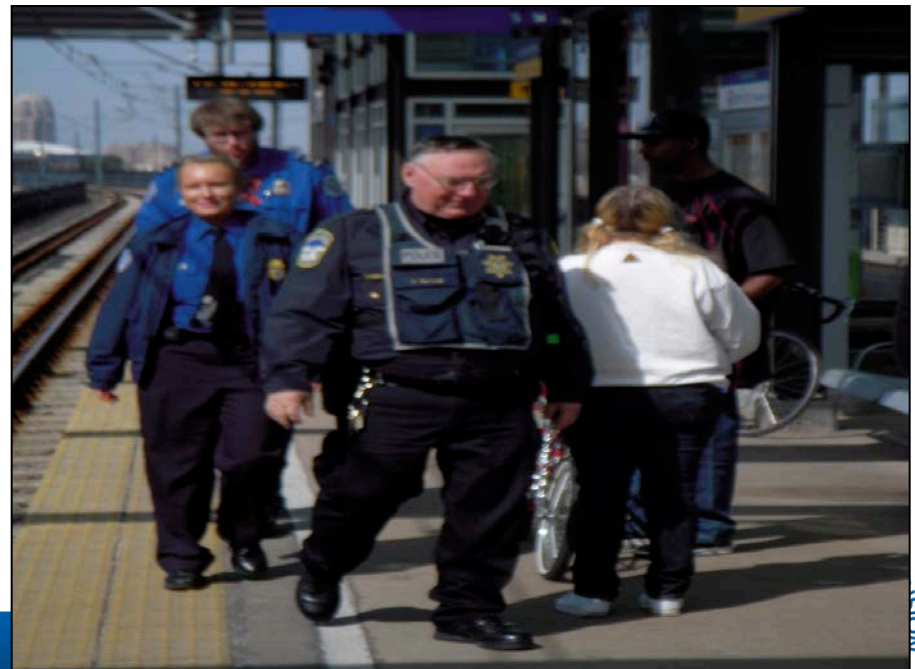




# Partnerships



- TSA
- FAMS
  - VIPR  
(Visual Intermodal Protection and Response)
- APD
- BPD
- MPLS
- SPPD
- MN HSEM
  - Grants







# MTPD & Bus Operations







# MTPD Bus Security Digital Camera System



1042  
Front Door  
03/24/2008 17:54:42.13  
Surveillance



911-0  
Windshield  
03/25/2008 17:25:13.25  
Surveillance



911-0  
Rear Camera  
03/25/2008 17:05:05.84  
Surveillance



911-0  
Front to back  
03/25/2008 17:07:31.22  
Surveillance



911-0  
Rear door  
03/25/2008 17:05:10.48  
Surveillance











# MTPD & Light Rail





# BLUE LINE 2004



- 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



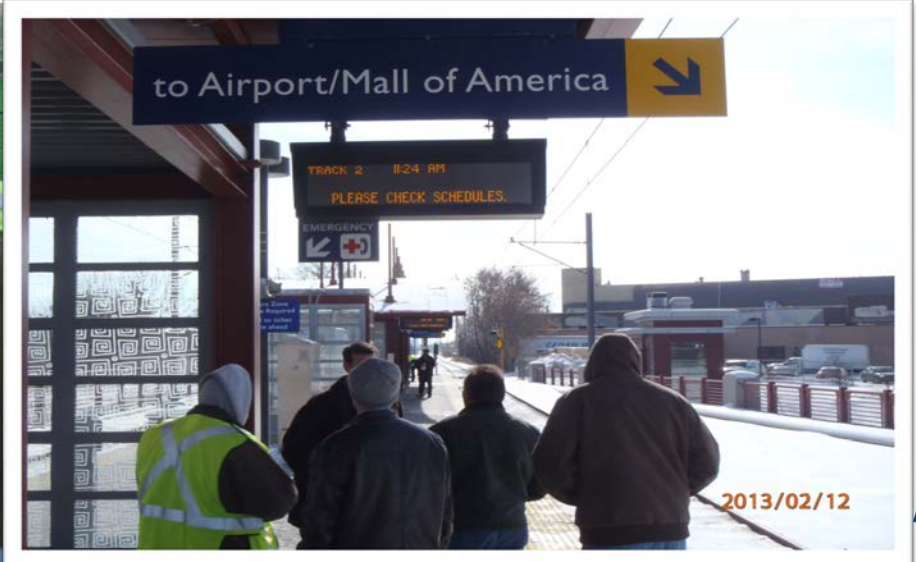
PA System on Station Platforms



Emergency Telephones on Station Platforms



Station Variable Message Sign







# Public Safety: What We Are Trying To Prevent

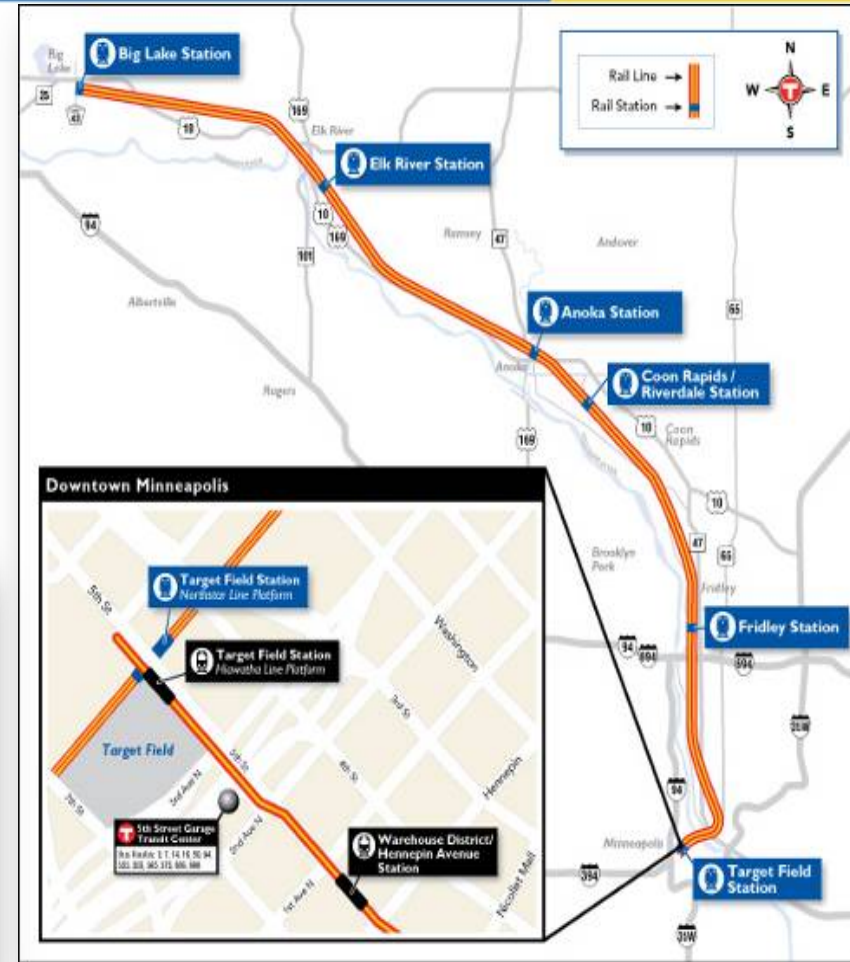




# Northstar Commuter Rail 2009



- 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







# Emergency Management



**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



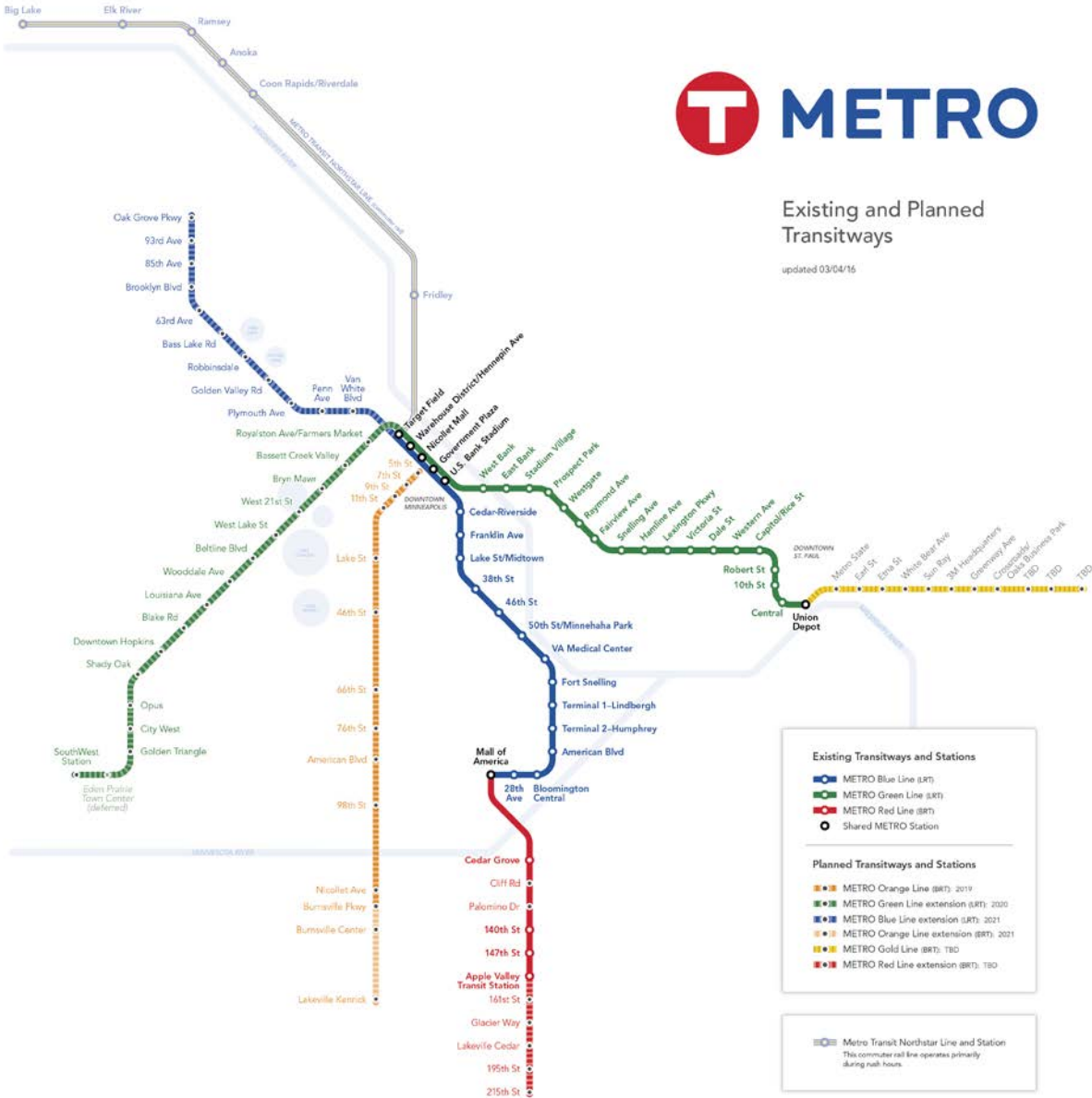


# Coming Soon



## Existing and Planned Transitways

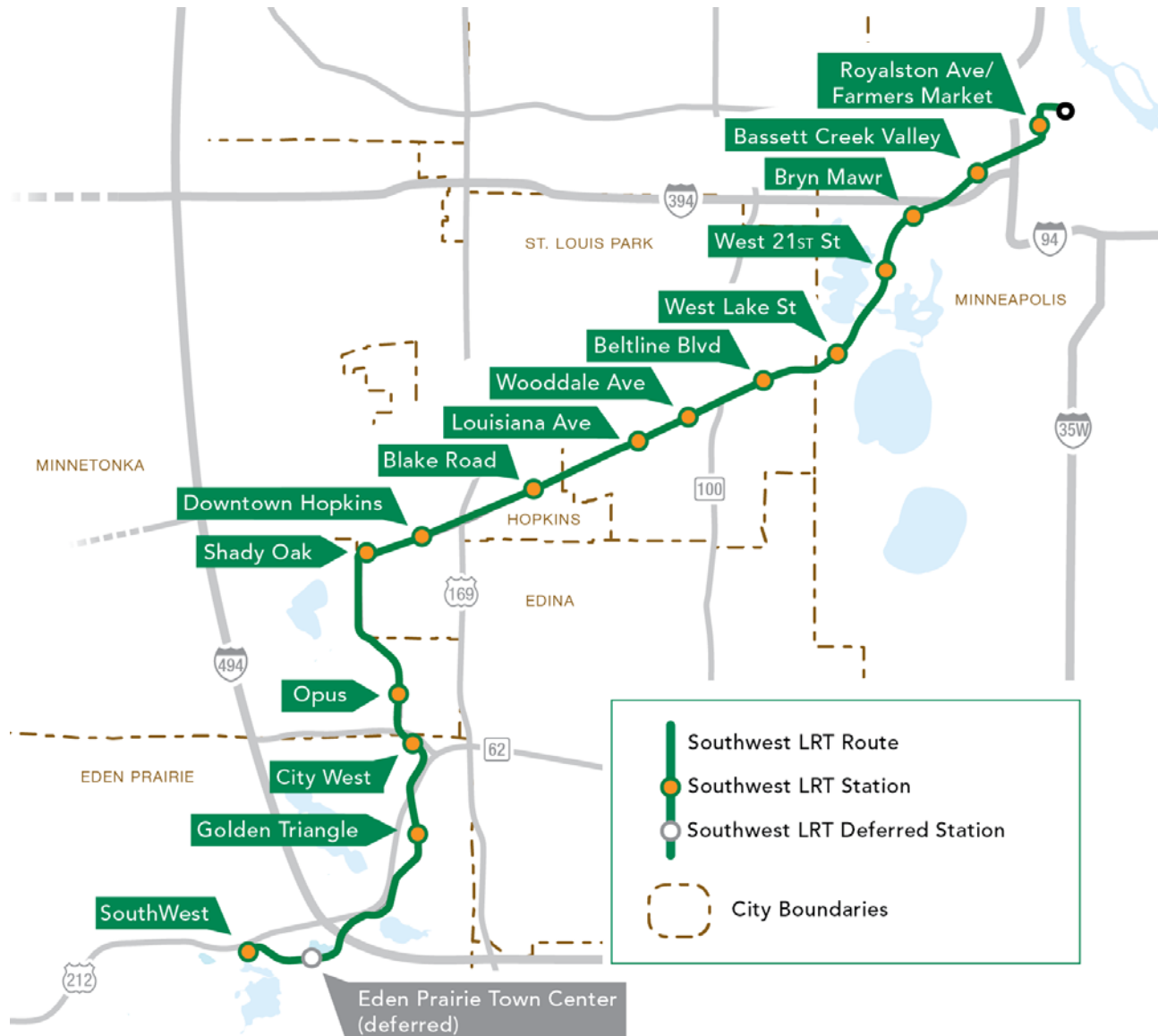
updated 03/04/16







# Green Line Extension





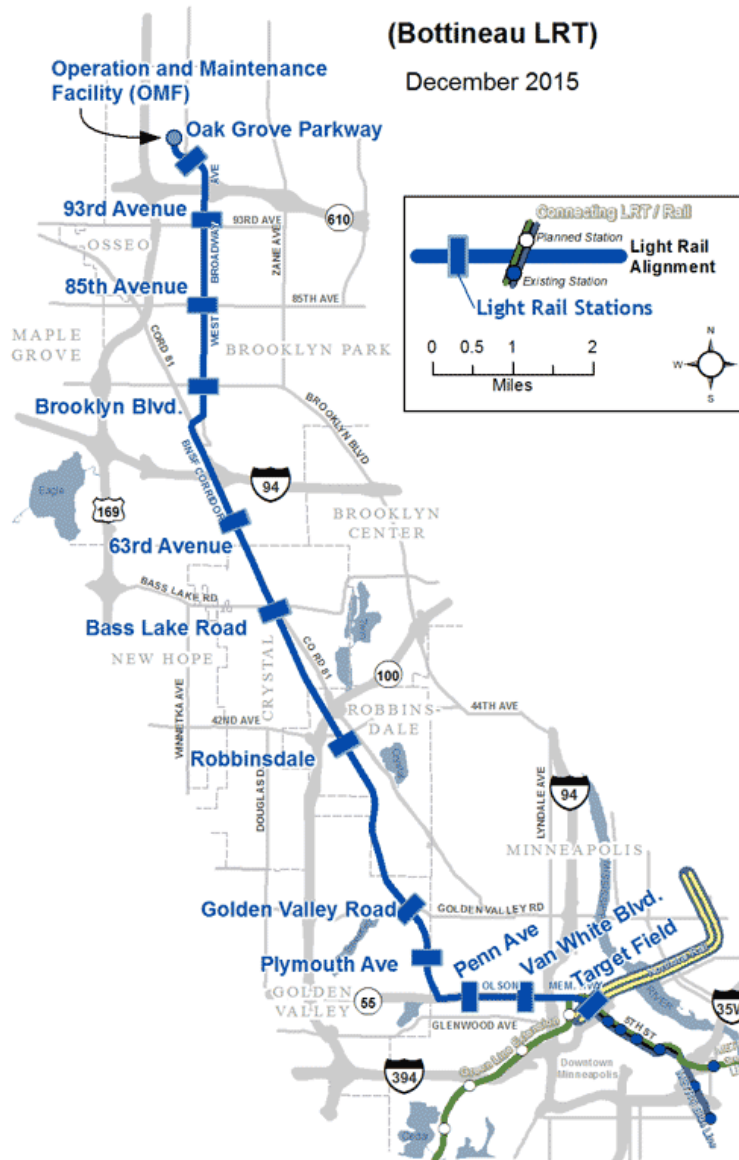
# Blue Line Extension



## METRO Blue Line Extension

(Bottineau LRT)

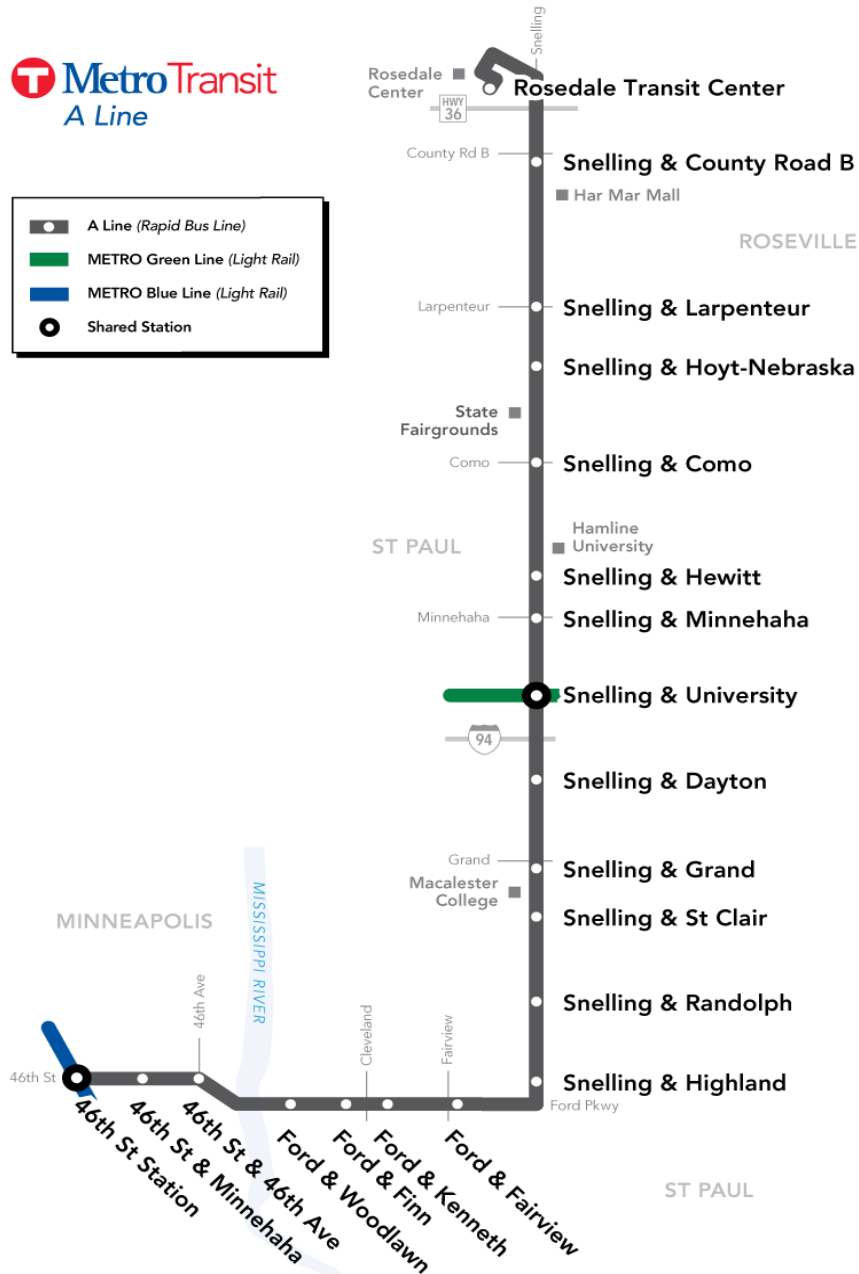
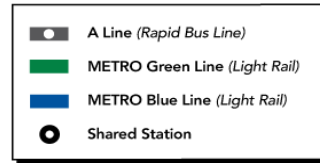
December 2015







# A Line BRT: 2016





# C Line BRT

# 2019



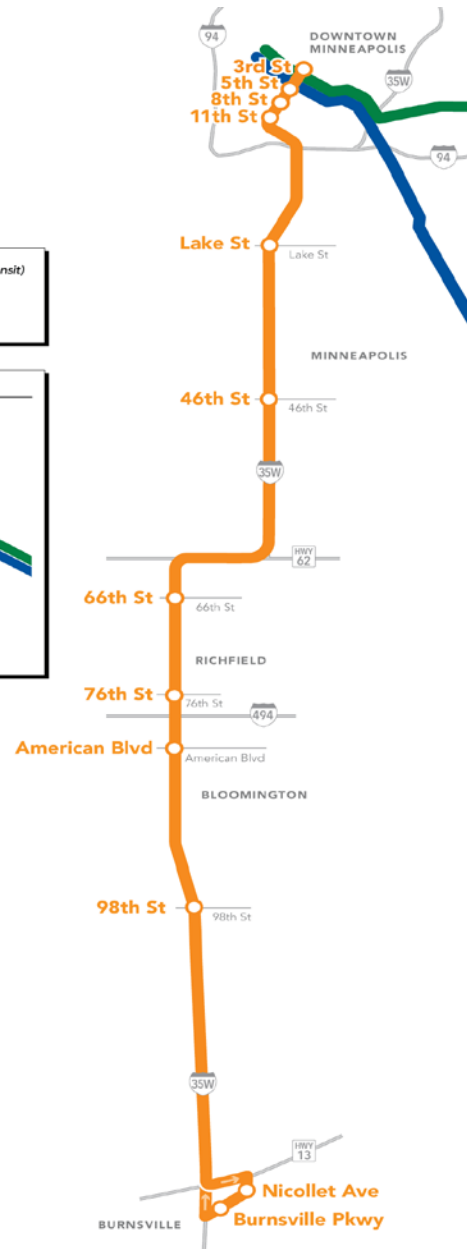




# Orange Line BRT 2019



- METRO Orange Line (Bus Rapid Transit)
- METRO Blue Line (Light Rail)
- METRO Green Line (Light Rail)





# Thank You

Mike Johnson, Lieutenant – MTPD West Command

- [michael.johnson@metrotransit.org](mailto:michael.johnson@metrotransit.org)  
612-349-7210





# Hwy 81 Pedestrian Crossings at Bass Lake Road & 63<sup>rd</sup> 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 63<sup>rd</sup> 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:

## 66<sup>th</sup> 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



# 66<sup>th</sup> and France Intersection Improvements





# May 9 Brooklyn Park Open House/Technical Presentation



# 63<sup>rd</sup> 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



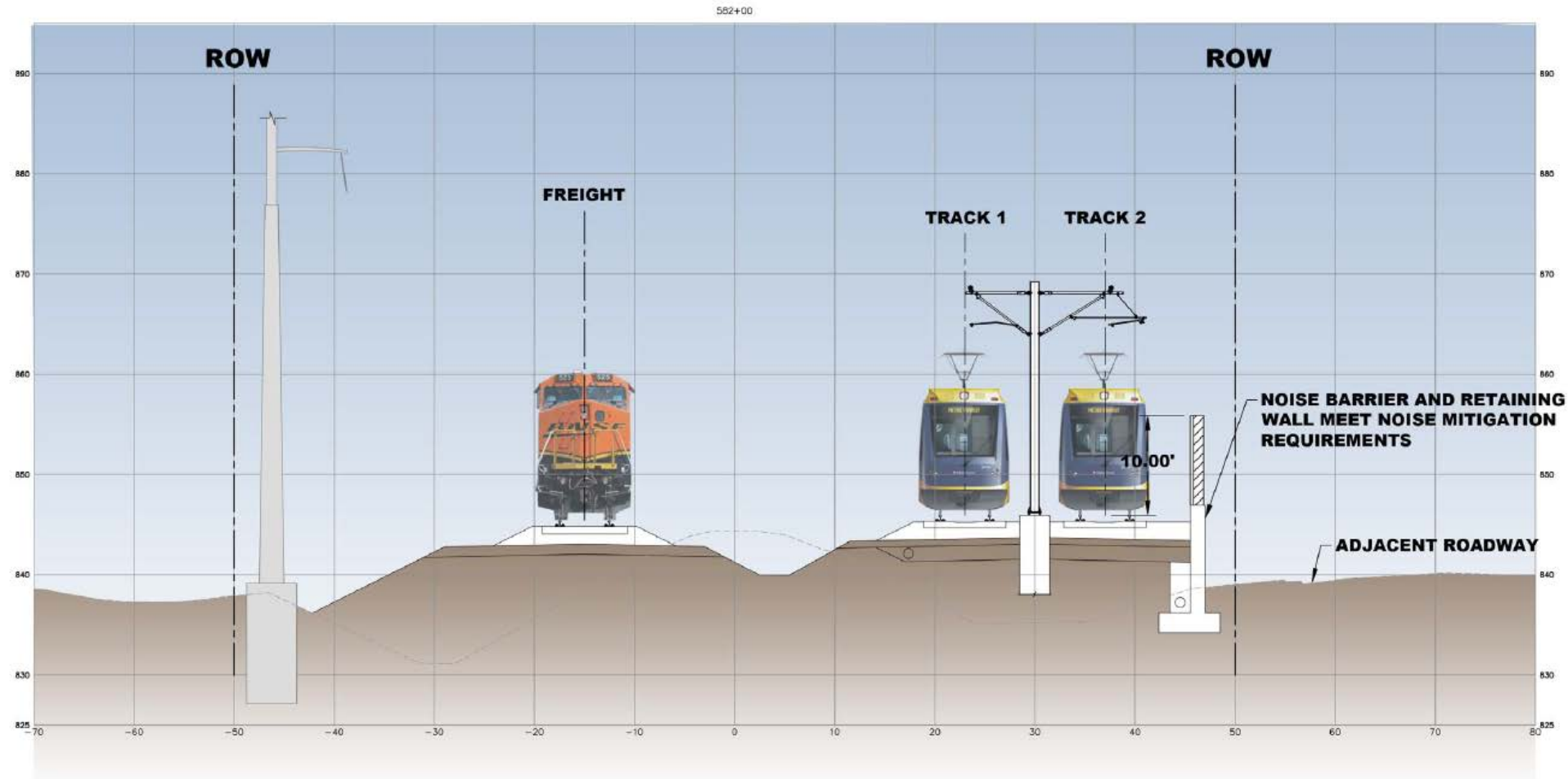


# Noise Walls

- Identified as mitigation measure for LRV-generated noise
- Noise walls identified at locations in Golden Valley, Robbinsdale, and Crystal

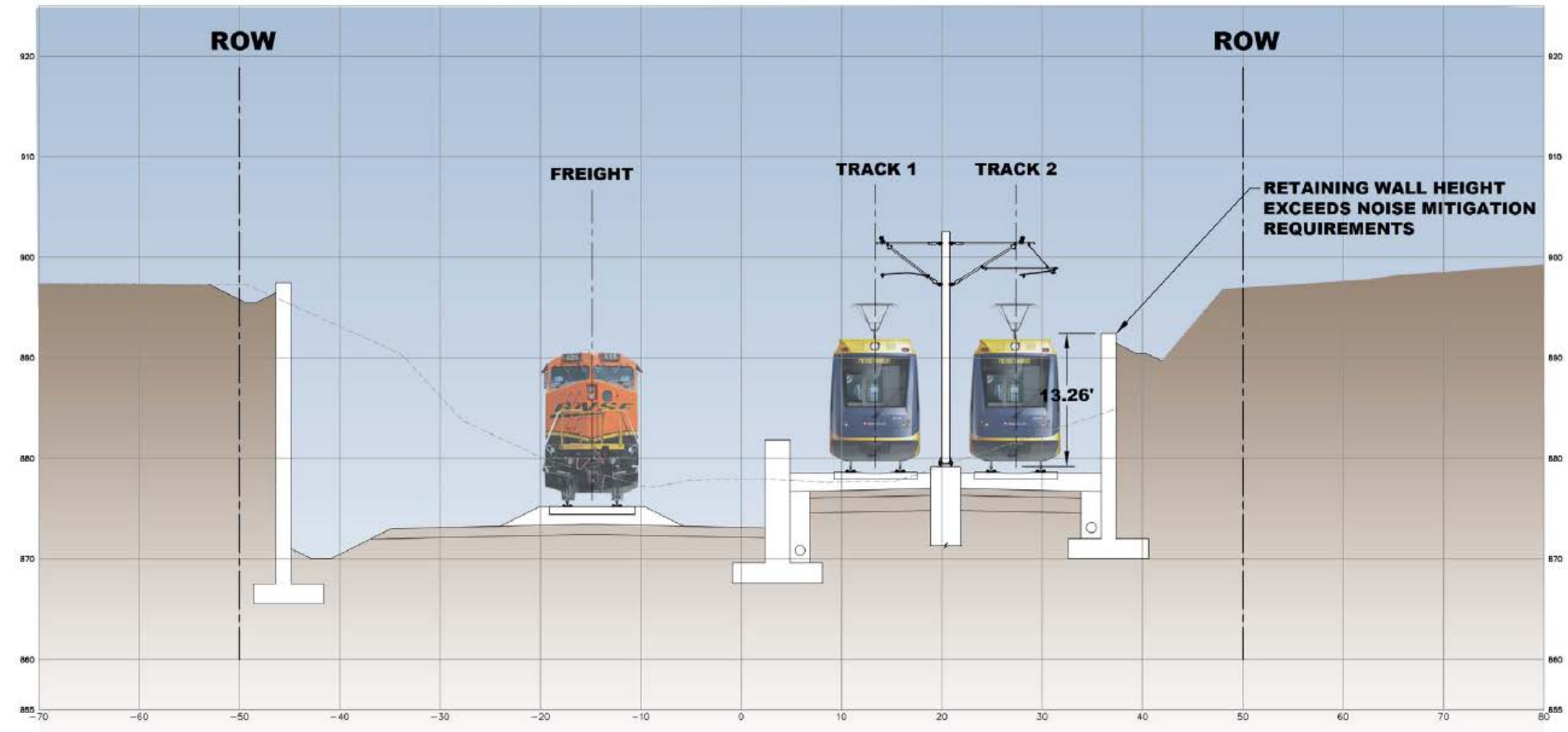


# Noise Barriers on Retaining Wall



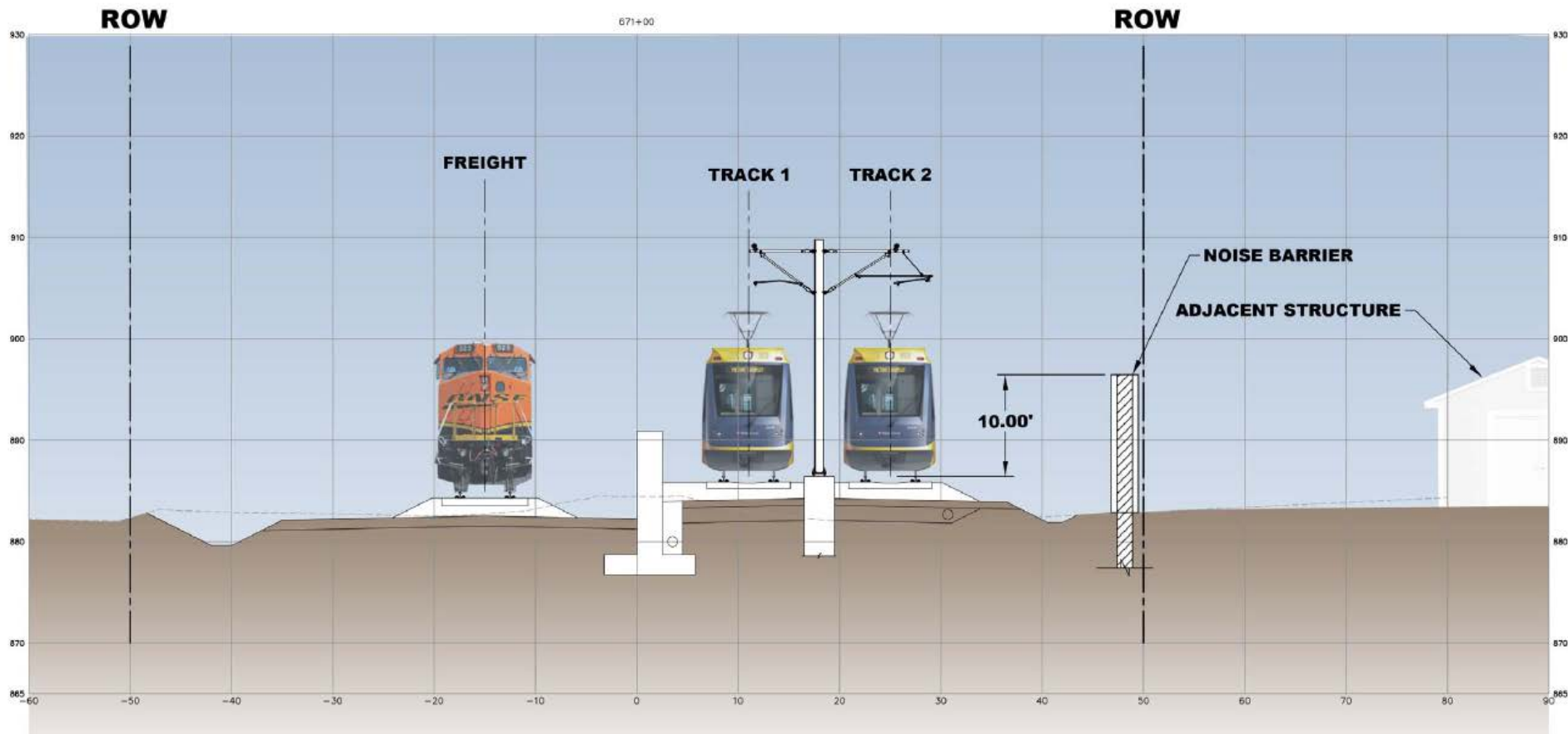
# Retaining Wall as Noise Barrier

647+02





# Noise Barrier Only

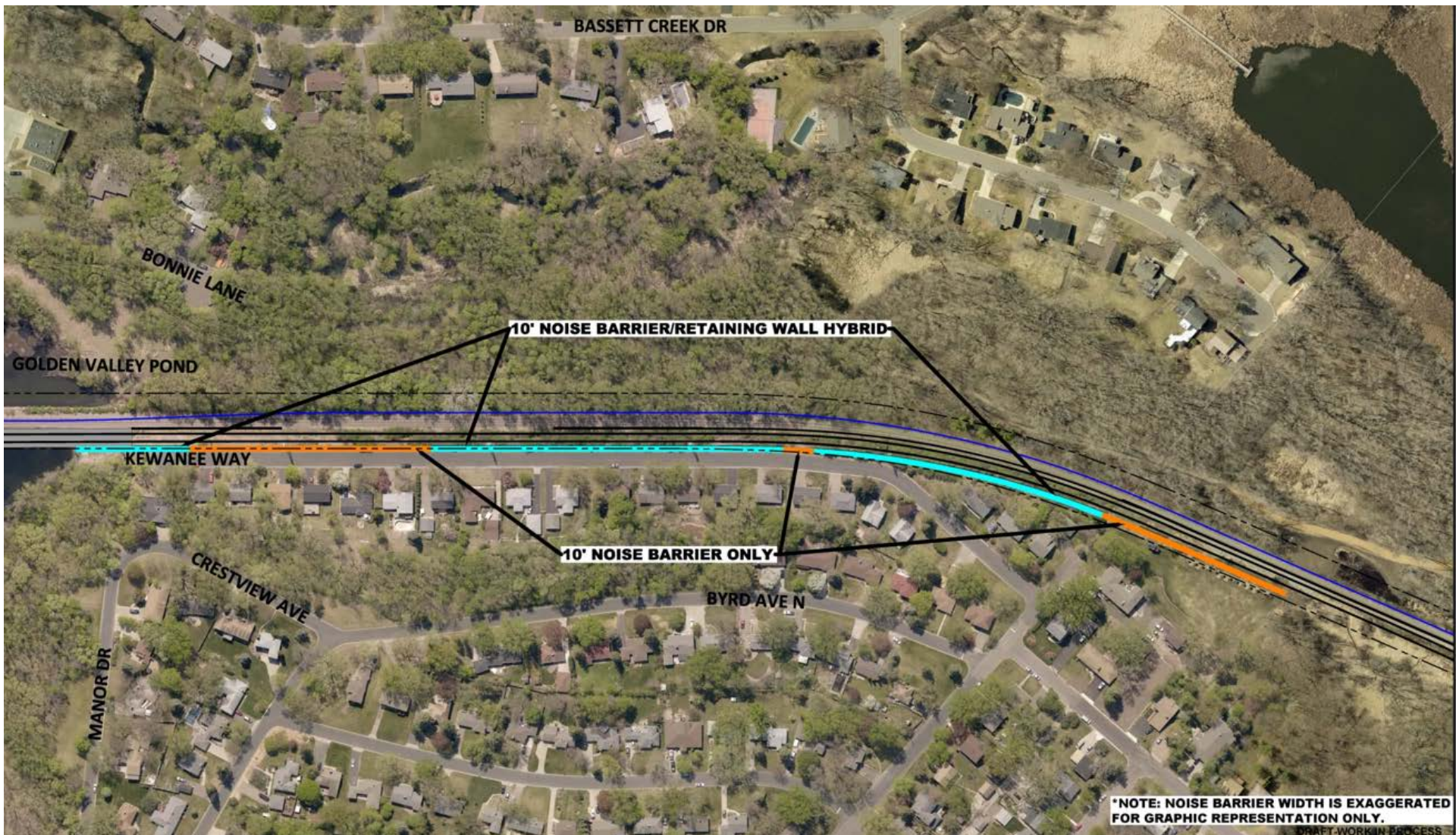


# Noise Walls: Golden Valley

- Kewanee Way: from Manor Dr to north of 26<sup>th</sup> Ave
  - Required noise barrier height of 10'
  - Retaining wall will be used as base for noise barrier where possible



# Noise Walls: Golden Valley



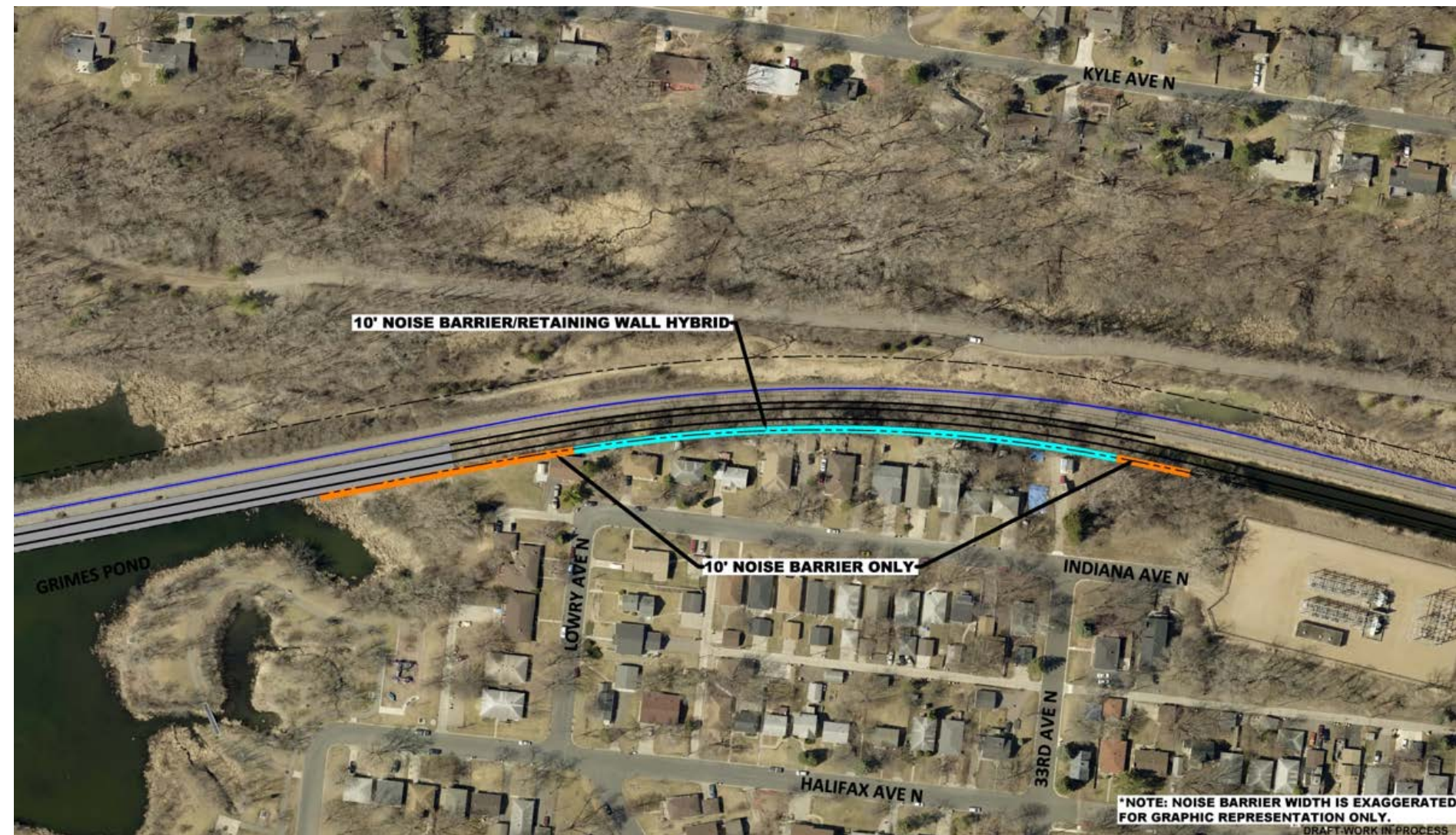


# Noise Walls: Robbinsdale

- Indiana Ave: from 31 ½ Ave to north of 33<sup>rd</sup> Ave
  - Required noise barrier height of 10'
  - Retaining wall will be used as base for noise barrier where possible
- East side of corridor: from 34<sup>th</sup> 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 36<sup>th</sup> Ave to end of June Ave
  - 6' crash wall used as noise barrier / crash wall hybrid

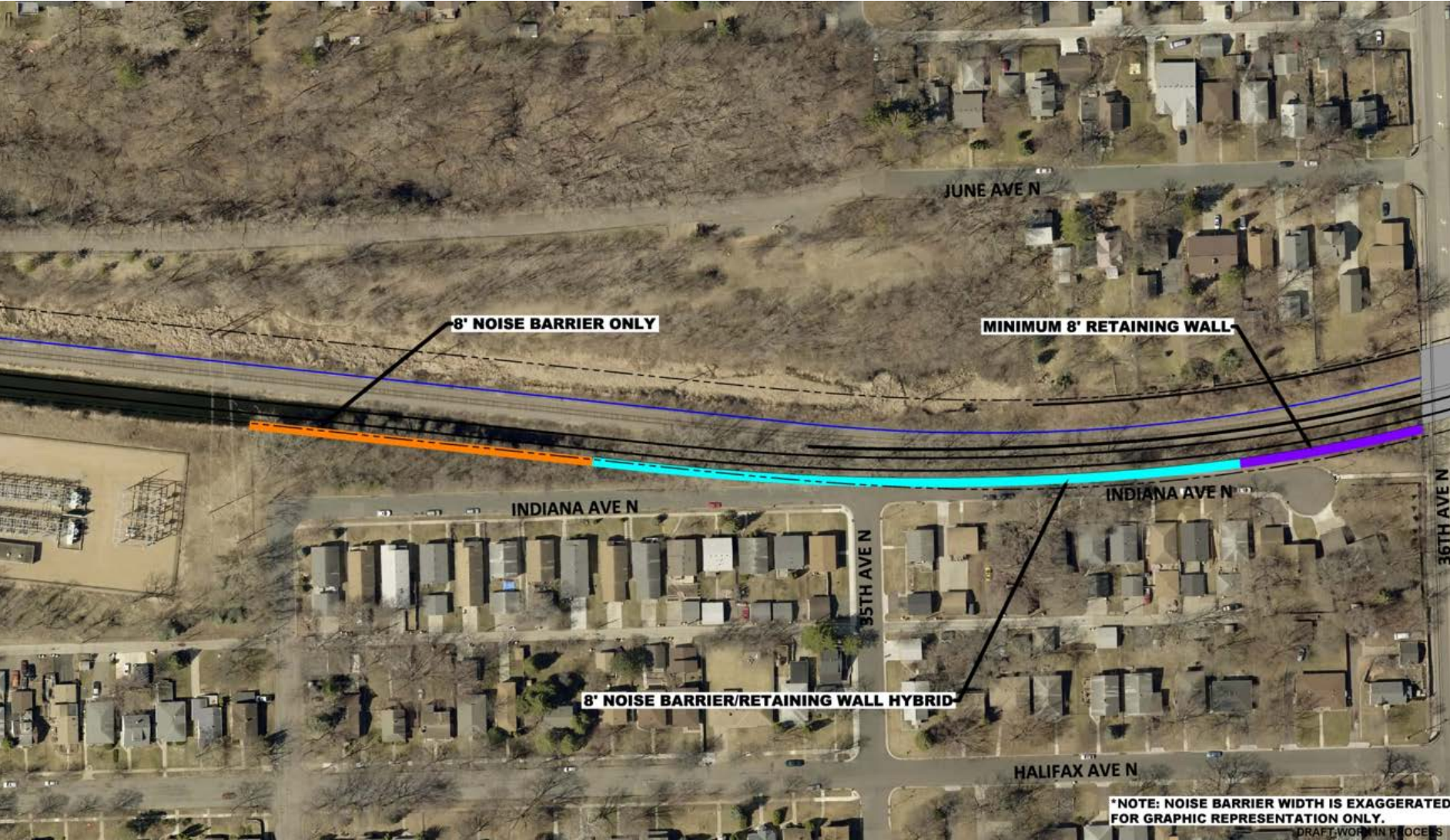


# Noise Walls: Robbinsdale





# Noise Walls: Robbinsdale





# Noise Walls: Robbinsdale



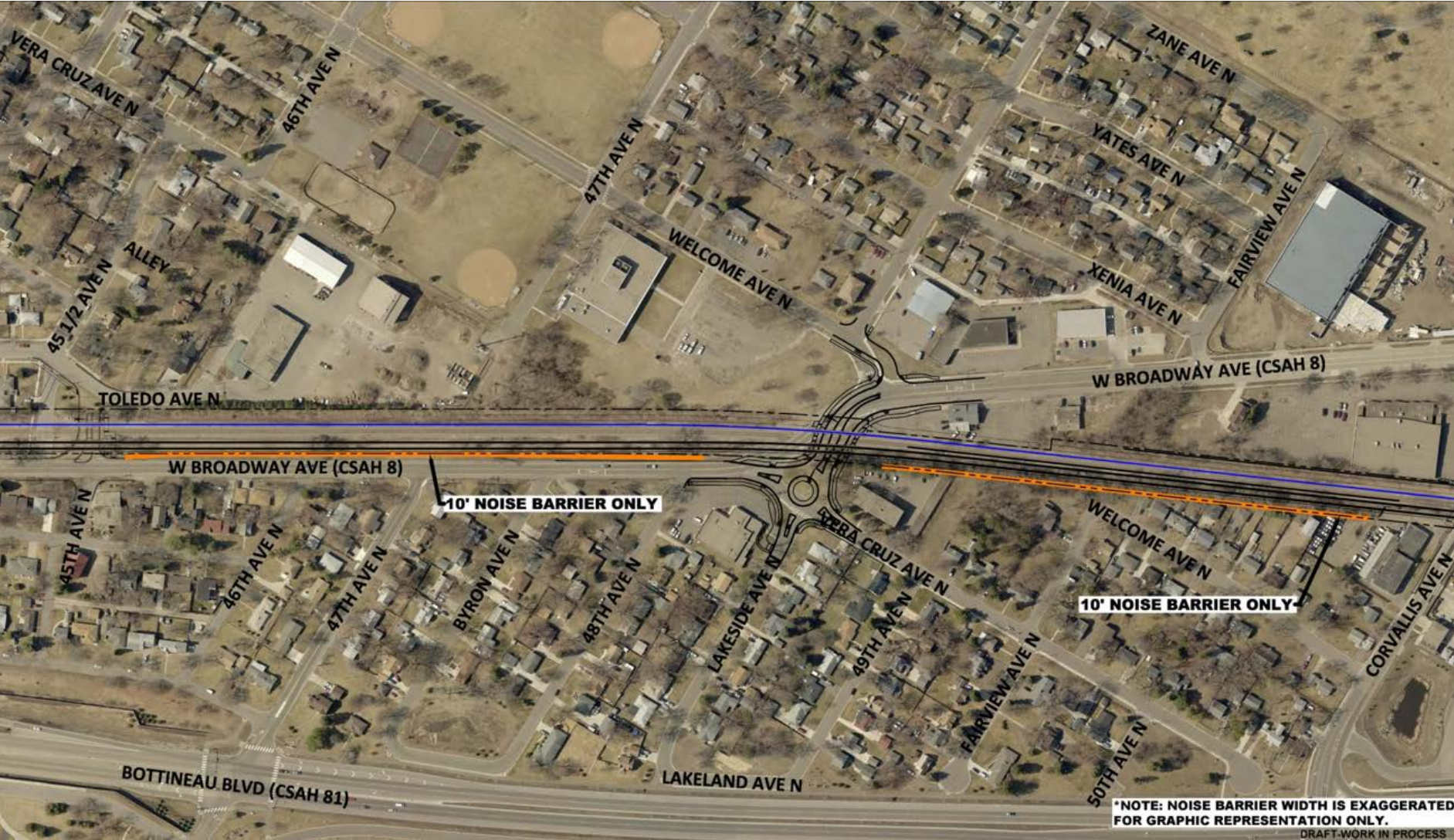
# Noise Walls: Crystal

- East side of corridor: from 45<sup>th</sup> 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 25<sup>th</sup> 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



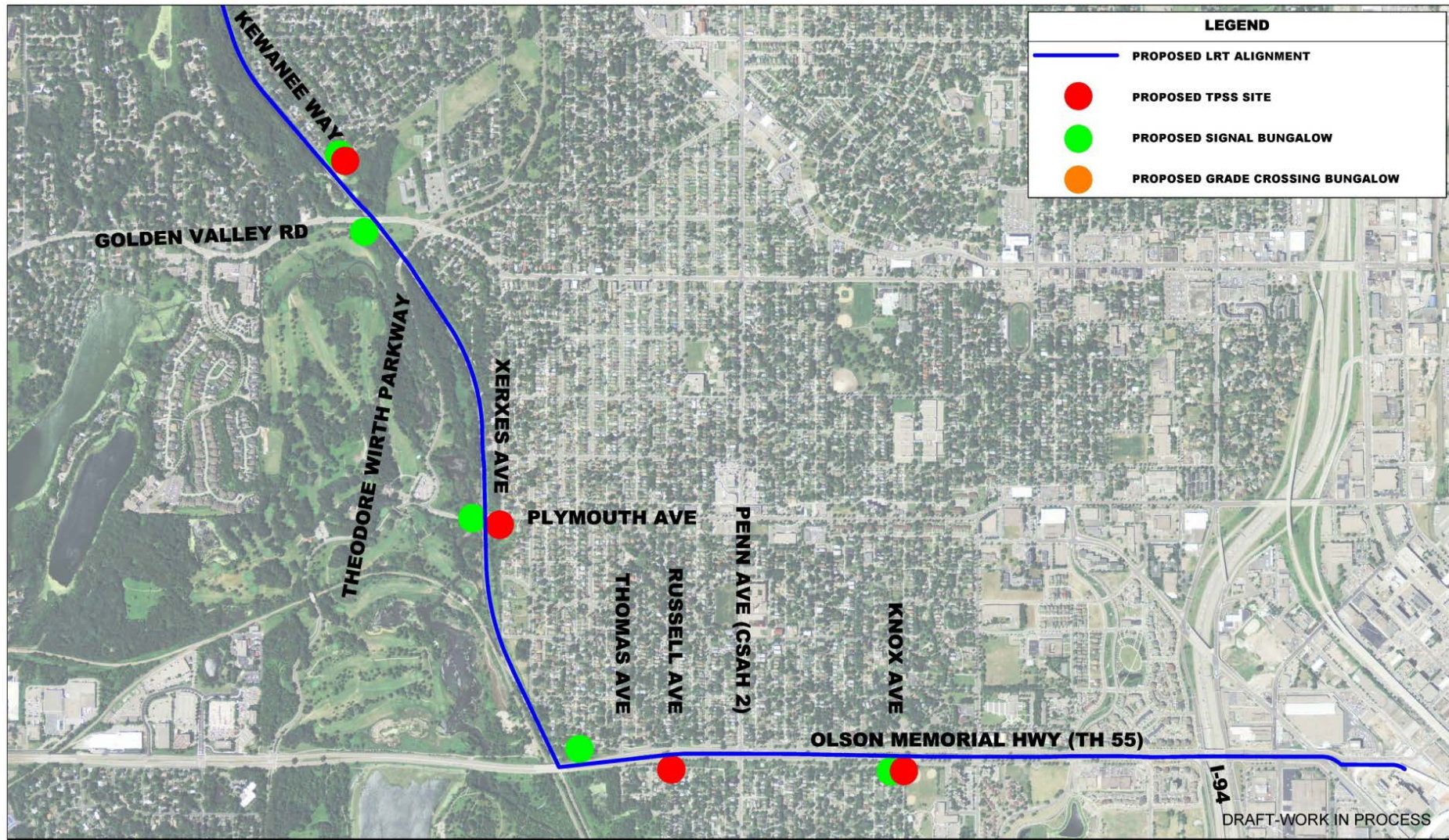


# Systems Elements

- 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

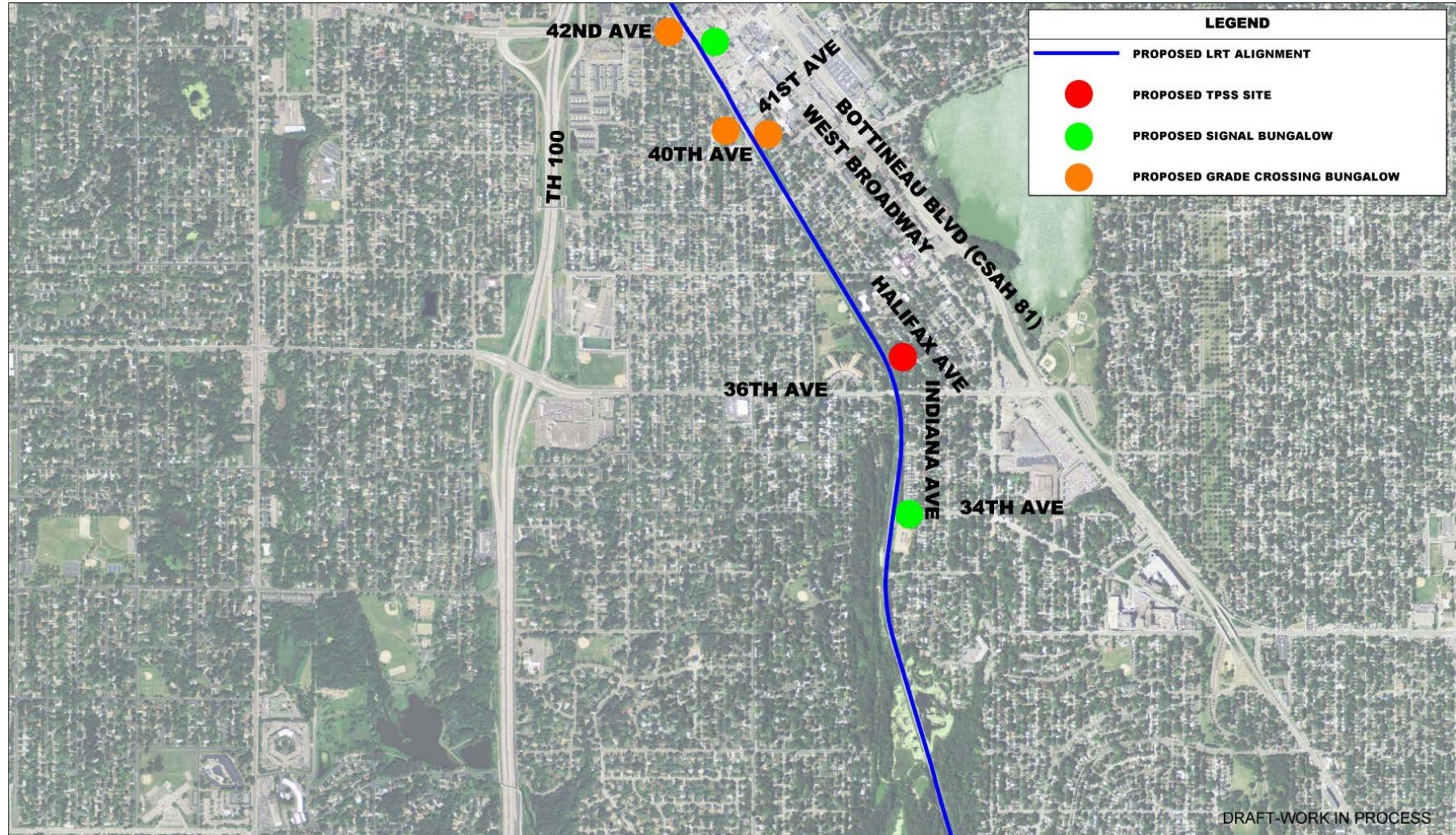


# Systems Elements Locations: Minneapolis and Golden Valley



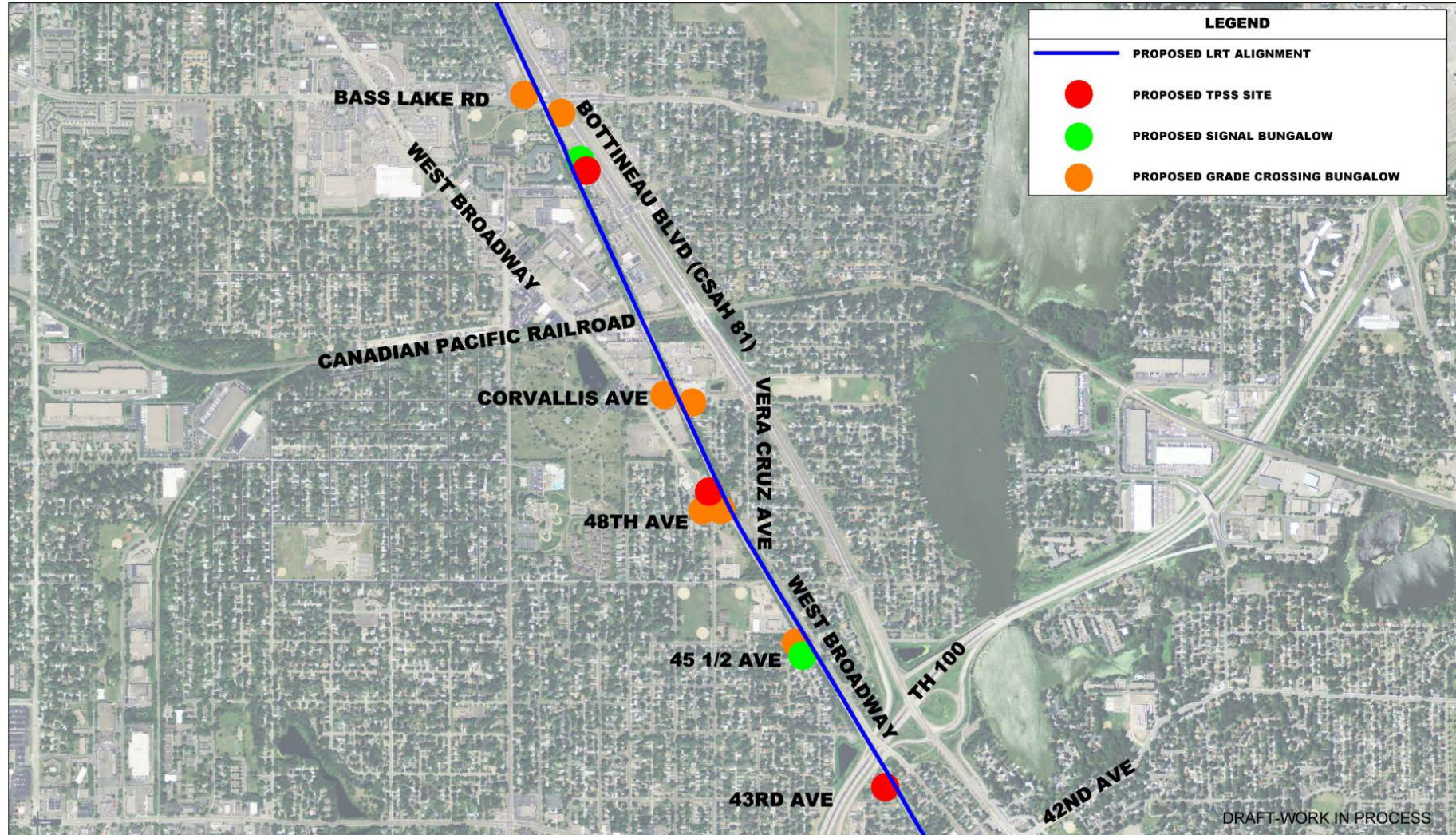


# Systems Elements Locations: Golden Valley and Robbinsdale



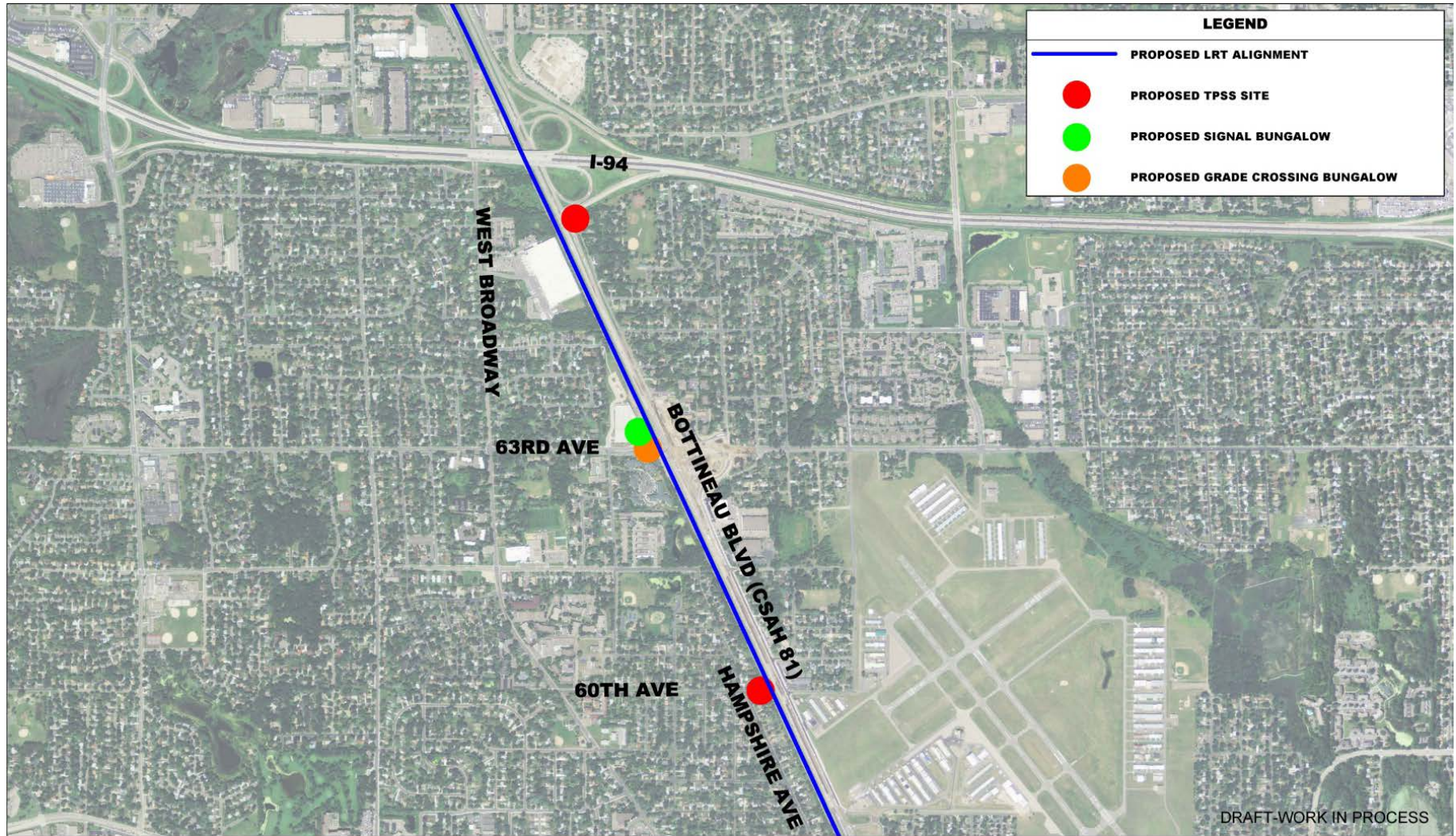


# Systems Elements Locations: Robbinsdale and Crystal



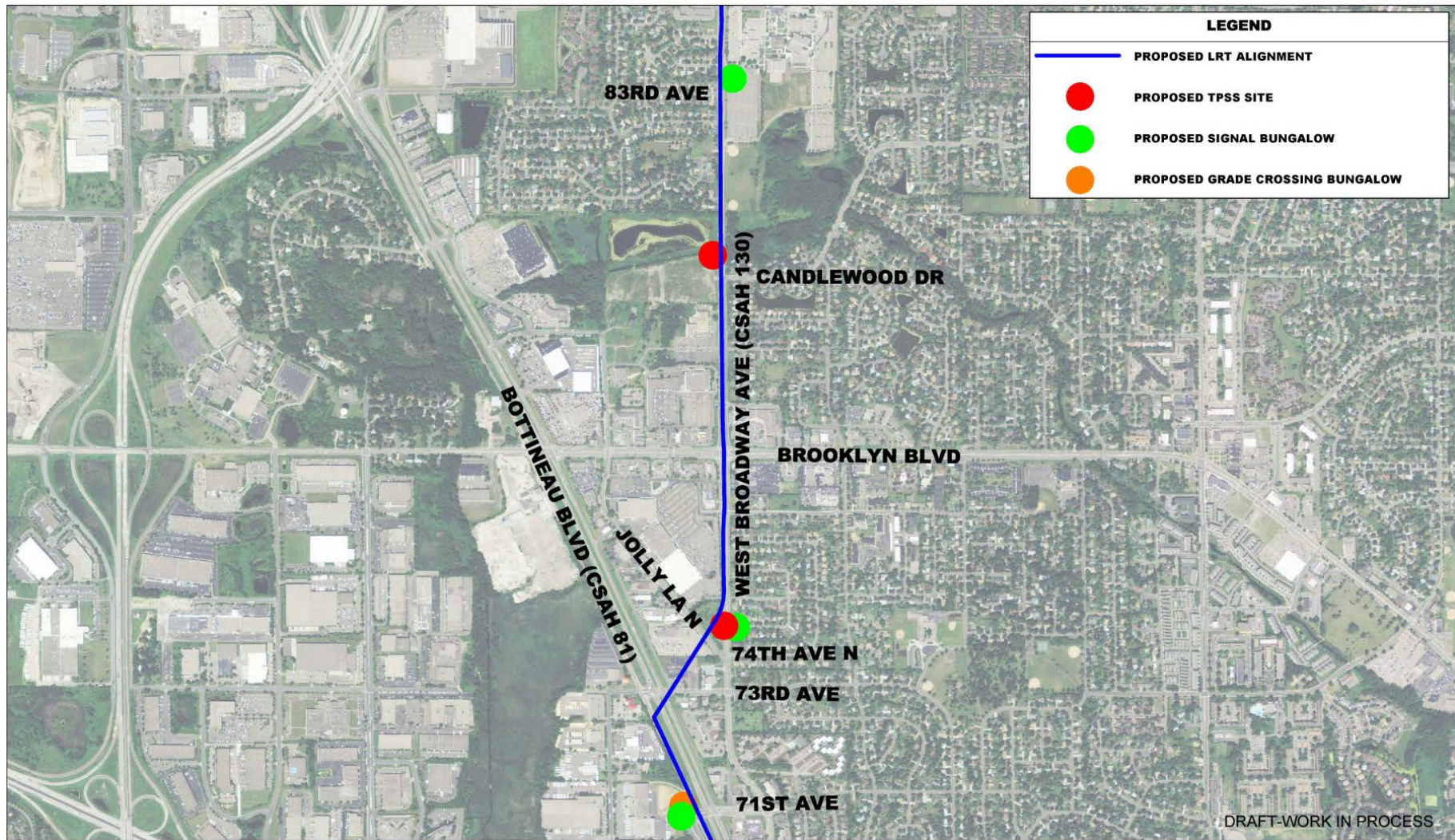


# Systems Elements Locations: Crystal and Brooklyn Park



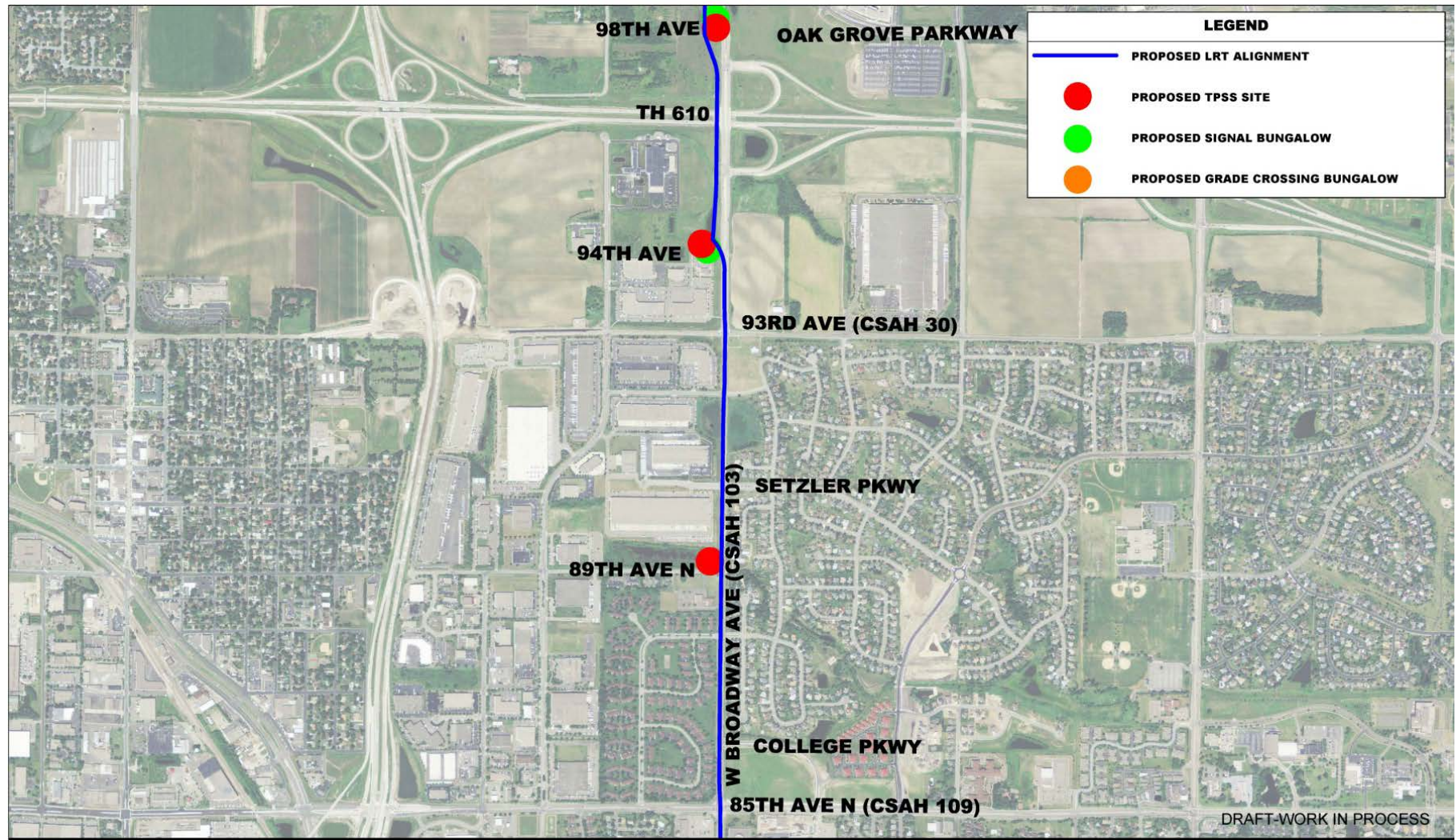


# Systems Elements Locations: Brooklyn Park





# 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

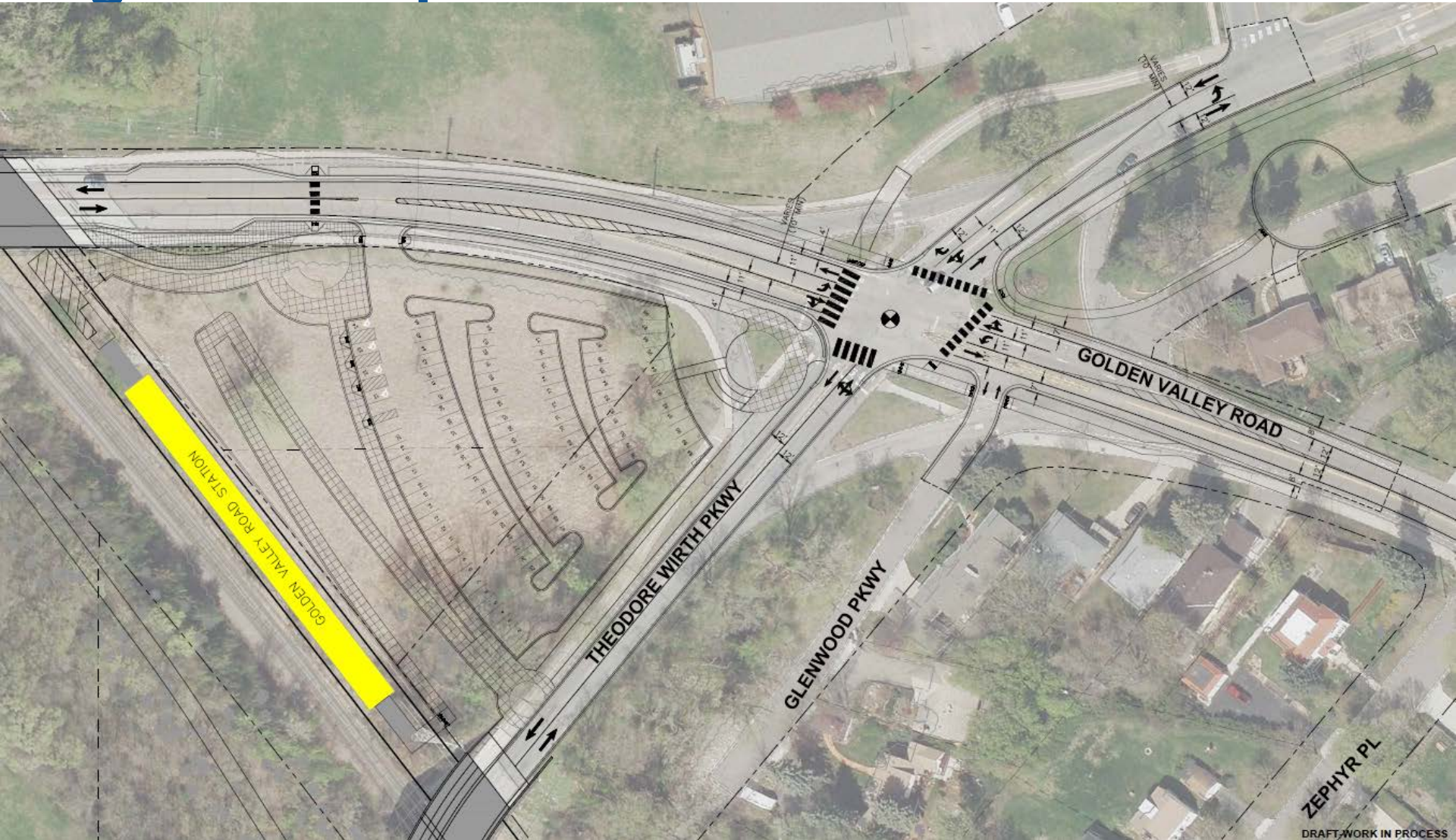




# **Golden Valley Road/Theodore Wirth Parkway Intersection Update**



# 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

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**METRO BLUE LINE EXTENSION**

[Route](#)

[Stations](#)

[Environmental](#)

[Timeline](#)

[Project Partners](#)

## METRO BLUE LINE EXTENSION

### Bottineau Transitway – Minneapolis & Northwestern Communities

The METRO Blue Line Extension (LRT) will operate northwest from downtown Minneapolis through north Minneapolis, Golden Valley, Robbinsdale, Crystal and Brooklyn Park, drawing riders northwest of Brooklyn Park. The proposed alignment is primarily at-grade and will have up to 11 new stations in addition to Target Field Station and about 13 miles of double track. The line will interline with the METRO Blue Line and connect Minneapolis and the region's northwest suburbs with existing LRT on the METRO Green Line, future LRT on the METRO Green Line Extension, bus rapid transit on the METRO Red Line, the Northstar commuter rail line and local and express bus routes.

**Latest News**

Feds: Met Council can begin designing METRO Blue Line Extension

**Route**

[Click on the map below for more information](#)

Website: [BlueLineExt.org](http://BlueLineExt.org)

Email: [BlueLineExt@metrotransit.org](mailto:BlueLineExt@metrotransit.org)

Twitter: [@BlueLineExt](https://twitter.com/BlueLineExt)





## 2016 BLUE LINE EXTENSION CORRIDOR MANAGEMENT COMMITTEE MEETINGS

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