

Business Advisory Committee

September 28, 2016













Today's Topics

- Project Readiness
 - Milestones Achieved
 - Look Ahead
 - Critical Agreements
- Construction Contracts
 Overview
- Right-of-Way Acquisition Overview
- Construction Outreach and Communications

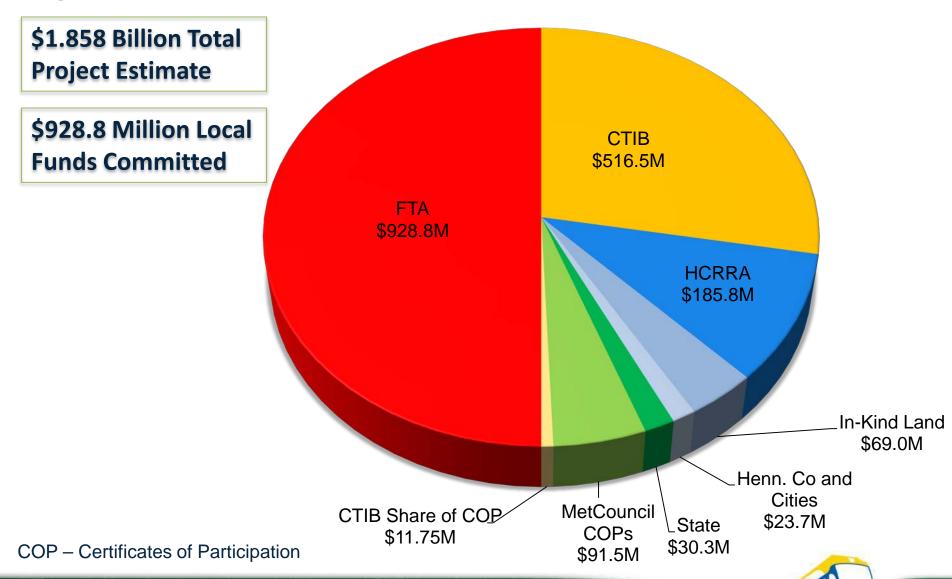




Project Readiness



Project Readiness: Local Funds Committed September 2016



Project Readiness: Milestones Completed

- Environmental reviews complete
 - Final Environmental Impact Statement: May 2016
 - Record of Decision: July 2016
 - FEIS Determination of Adequacy: Aug 2016
- Funding commitments for 100% (\$928.8M) of the local share complete Aug 2016
- Application for Entry into Engineering for FTA New Starts Program Aug 2016
- 90% design plans complete
- 90% cost estimate complete



Milestones Look Ahead

Milestone	Rev. 10.0 Submitted 8/19/16
FTA Approves Entry into Engineering	Nov 2016
Complete 100% Design Package for Civil	Dec 2016
Submit FFGA Application	Early 2017
Complete 100% Design Package for Systems	March 2017
Complete 100% Design Package for OMF	May 2017
FTA Approves FFGA	July 2017
Heavy Construction	2017-2020
Revenue Service	2021



Construction Contracts Overview



5 Main Contracts

Contract	Procurement Method	Timing	DBE Goal
Civil	Design/Bid/Build	Q1 2017	16%
Systems	Design/Bid/Build	Q2 2017	TBD
Operations & Maintenance Facility	Design/Bid/Build	Q2 2017	TBD
Fare Collection	Request for Proposals	Q4 2017	TBD
Light Rail Vehicles	Request for Proposals	In Process	n/a

- 15 Stations
 - Vertical circulation
 - West Lake St.
 - Bryn Mawr
 - Bassett Creek Valley







- Park-and-rides
 - 7 Surface lots with a total of 1,747 spaces
 - 1 Ramp at SouthWest Station with 2 elevators





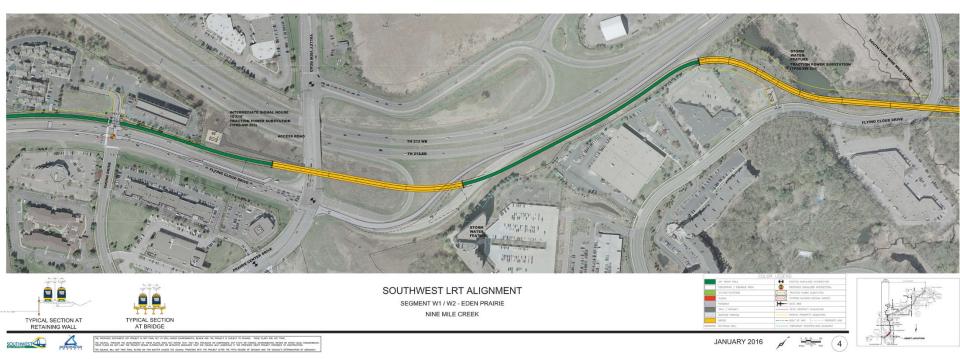
- 44 structures
 - 29 new bridges: LRT, pedestrian, roadway, freight
 - 7 existing bridges with modifications
 - 6 pedestrian tunnels
 - 2 cut and cover tunnels
 - o TH62 582 ft
 - Kenilworth 2,236 ft
- 110 retaining walls
- 14.5 miles of double track for LRT



- Demolition of 14 existing buildings
- Soil improvements
- Roadways and trails
- Systemwide cable trough/ductbank/foundations
- Utilities and drainage
- Urban design and landscaping
- Freight: BNSF, TCWR, CP



Valley View and Nine Mile Creek Bridges





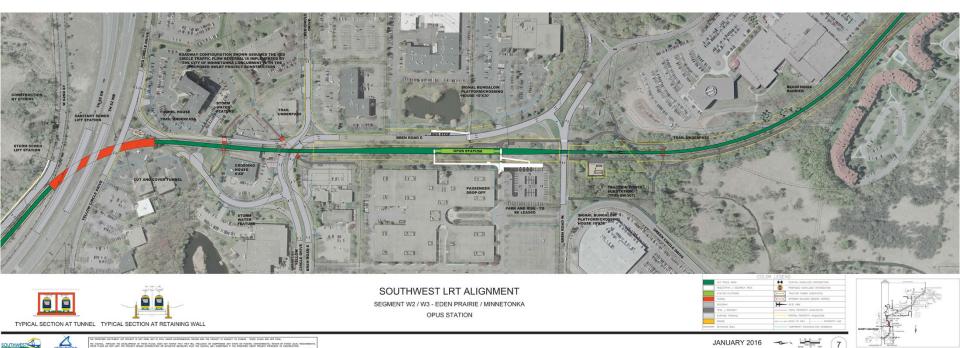
Valley View Bridge



Nine Mile Creek Bridge

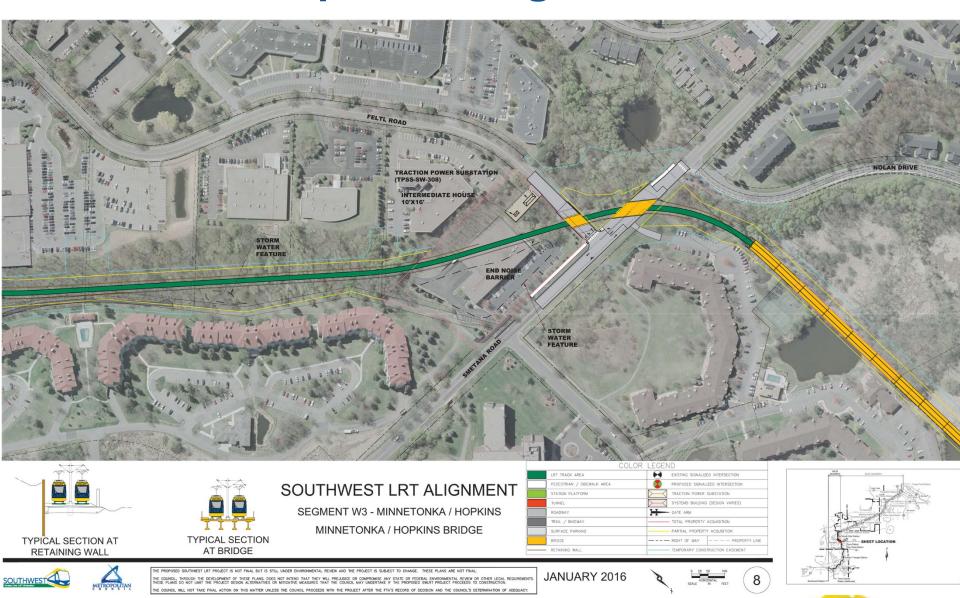


Tunnel Under TH 62





Minnetonka-Hopkins Bridge

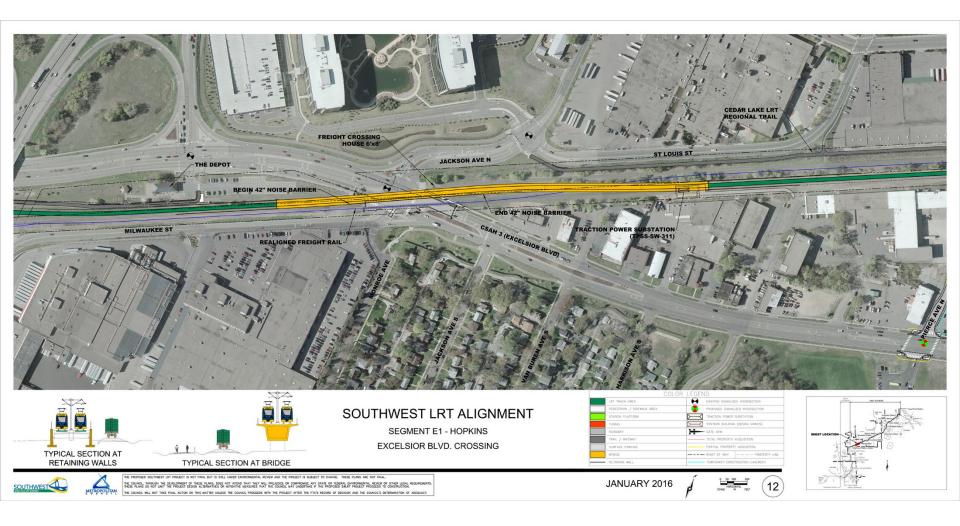




Minnetonka-Hopkins Bridge



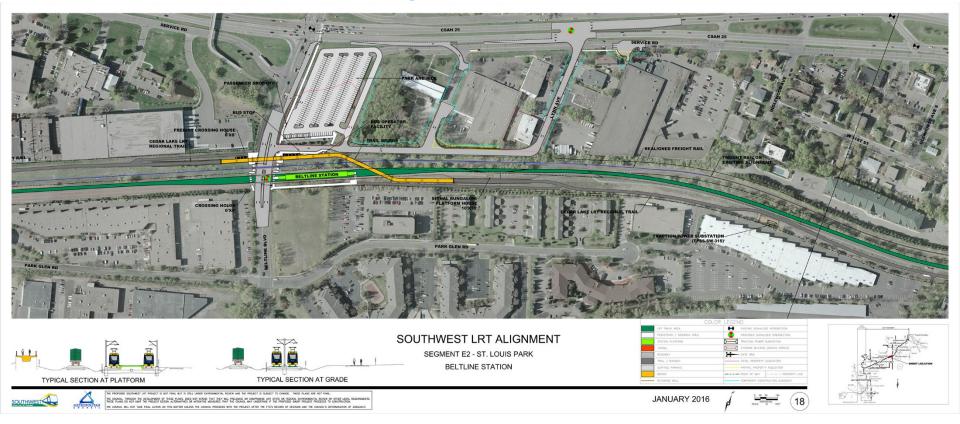
Excelsior Blvd Bridge



Excelsior Blvd Bridge



Beltline Boulevard Station



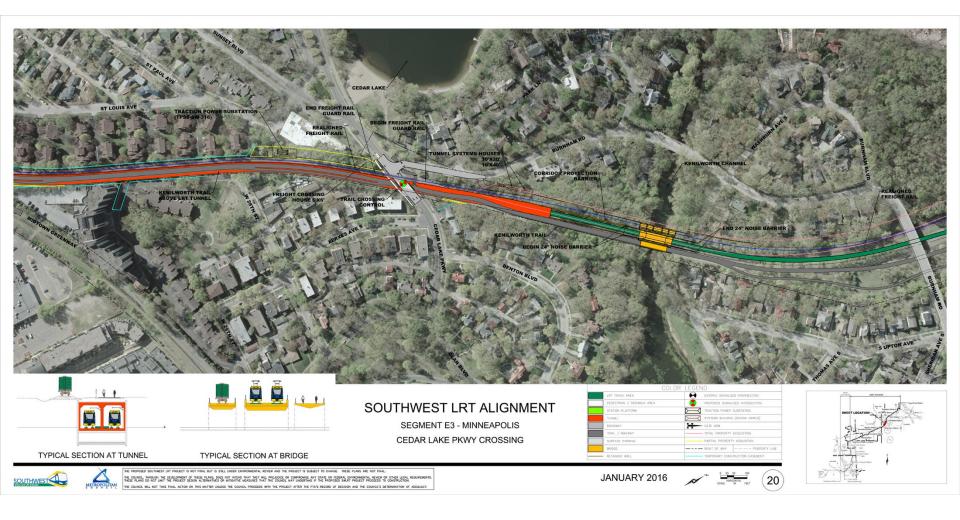


Beltline Boulevard Station

268 space surface park-and-ride lot



Kenilworth Corridor



Kenilworth Corridor: North Portal



Bryn Mawr Station





Bryn Mawr Station

One elevator and pedestrian bridge from station platform to passenger drop off area at Penn Ave







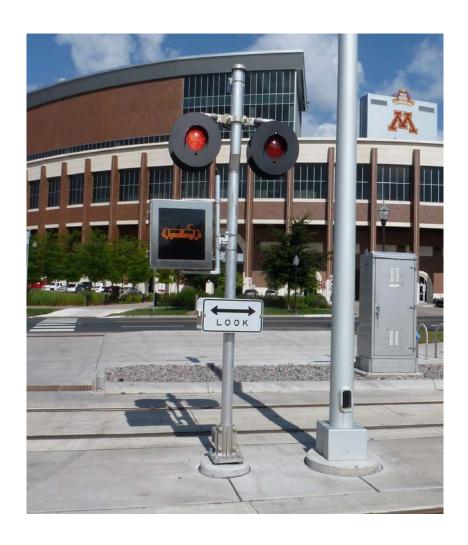
Systems Contract Scope

- Systems site work
- Traction power substations (TPSS)
 - 19 TPSS on main line
 - 2 at the OMF
- 3 Tunnel systems houses
 - 2 for Kenilworth tunnel
 - 1 for TH 62 tunnel
- Overhead contact system
- LRT and freight signaling systems
- Tunnel facilities systems
 - Tunnel power
 - Ventilation

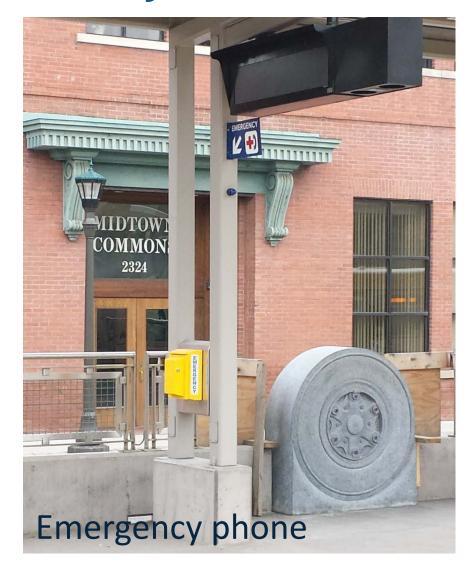
- Communications systems
 - Supervisory Control and Data Acquisition (SCADA)
 - Rail Control Center (RCC)
 - Radio
 - Public Announcement/Variable Message Signs
 - Intrusion detection
 - Close Circuit TV (CCTV)
 - Emergency call boxes
 - Telephones
 - Building Management Systems
- SWLRT systems integration



Signaling Systems: Active Warning Device



Security Features







OMF Contract Scope

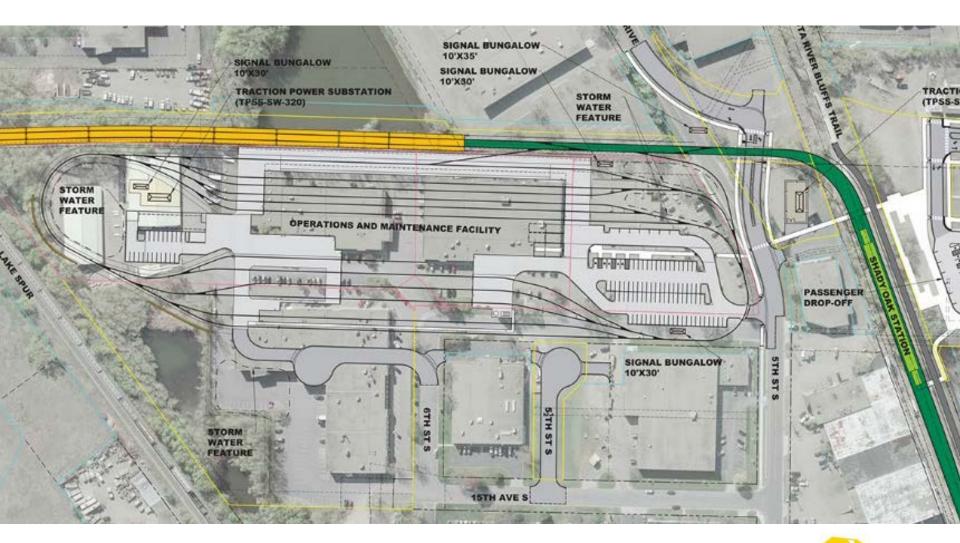
- Demolition of 6 existing buildings
- Soil improvements
- Yard track
- OMF building: 2 story, 162,356 sf
- Access roads
- Systemwide electrical cable trough/ductbank/foundations
- Utilities and drainage
- Urban design and landscaping



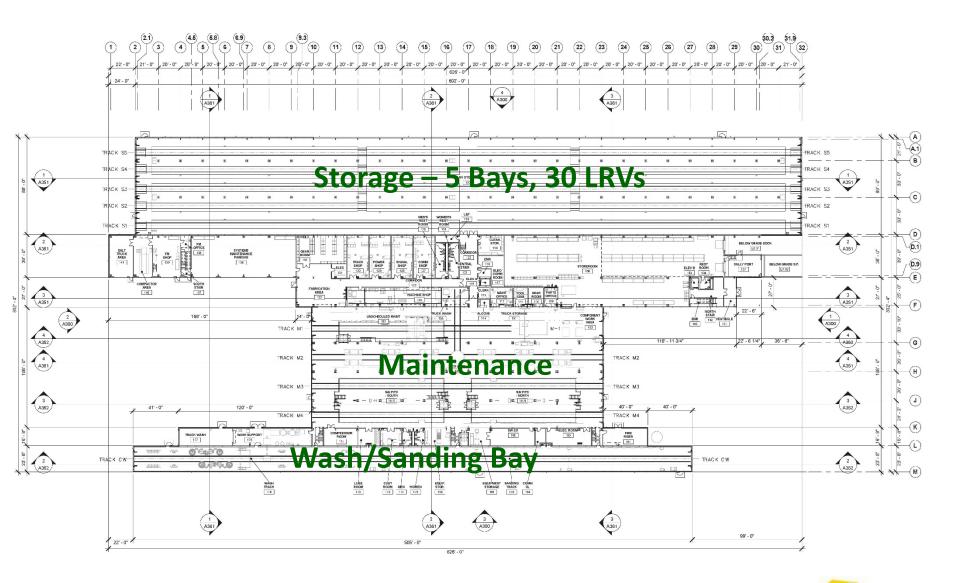
OMF Contract Scope



Operations and Maintenance Facility



Operations and Maintenance Facility Layout



Operations and Maintenance Facility



Light Rail Vehicles Contract

- Light Rail Vehicle Scope:
 - Type III LRVs
 - Base order: 27
 - Options: Up to 50 total
 - Evaluation: In progress with single proposer
 - Limited Notice to Proceed: Q4 2016



Fare Collection Contract

- Fare Collection Scope:
 - Ticket Vending Machines (TVM): 43
 - Smart Card Validators: 66
 - Conduit provided for 30 future TVMs in Civil contract



Right-of-Way Acquisition Process Overview

Property Rights Needed to Begin Critical Activities in Following Areas

- Glenwood Ave Bridge over BNSF
- Kenilworth Tunnel
- Freight rail realignment in Bass Lake Spur & Kenilworth Corridor
- Louisiana Ave Bridge segments
- Excelsior Blvd Bridge
- Operations and Maintenance Facility
- SouthWest Station area





Right-of-Way Acquisition Process

Offer Accepted

- Appraisal approved
- Closing and recording
- Payment made
- Title and possession

Negotiated Settlement

- Appraisal approved
- Settlement approval
- Closing and recording
- Payment made
- Title and possession

Condemnation

- Appraisal approved
- Condemnation filing
- Payment made
- Title and possession
- Complete condemnation process



Construction Outreach and Communications

Construction Professionals Career Fair

- Date: Tuesday, Oct 18
- Time: 3:00 6:00 PM
- Location: SWLRT Project Office, St Louis Park
- Agenda:
 - 3:00 3:30: Open House
 - 3:30 4:00: Project Staff Presentation
 - 4:00 − 5:00: Open House
 - 5:00 5:30: Project Staff Presentation
 - **■** 5:30 6:00: Open House
- Other outlets: transportation industry, social media, website, project newsletter, feature articles in local papers



Construction Outreach/Communication Plan

- Includes lessons learned/feedback from Blue and Green Lines
- Incorporates best practices from national, large-scale public works projects
- Developed in conjunction with SWLRT advisory committees
- Ensures clear, consistent project information throughout construction
- Describes methods/techniques to inform the public
- Includes metrics/evaluation



Construction Outreach/Communications

- Best practices:
 - Community construction communication committee
 - Outreach coordinators
 - 24-hour construction hotline
 - Property/business owners meetings
 - Public meetings
 - Construction tours
 - Neighborhood updates
 - Social media/website/media
 - Weekly construction updates
 - Signage



Member and Committee Reports



More Information

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