



# Project Update

September 15, 2016



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## Today's Topics

- Project Readiness
- Construction Contracts Overview
- BAC/CAC Update



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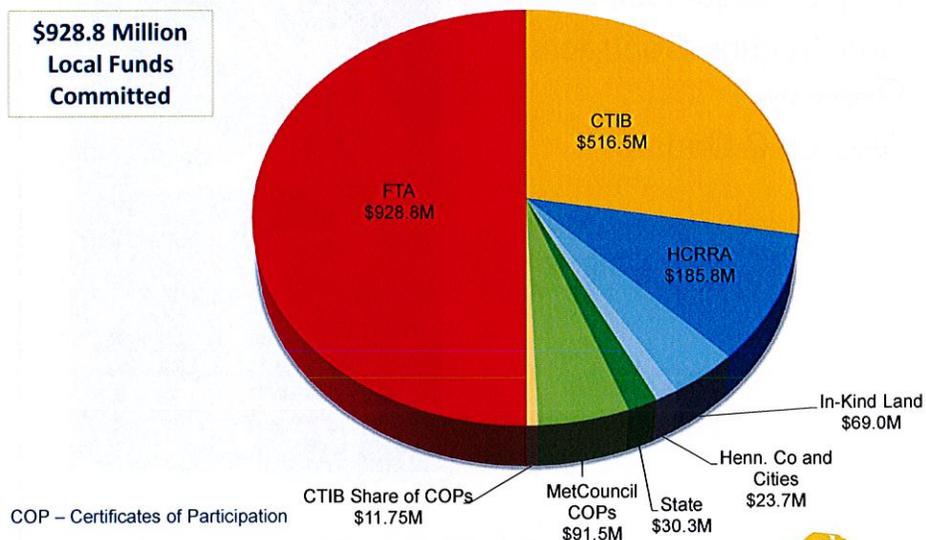
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# Project Readiness

## Project Readiness: Local Funds Committed September 2016

\$1.858 Billion

\$928.8 Million  
Local Funds  
Committed



## 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% of engineering and design 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

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### 5 Main Contracts

- Civil
- Systems
- Operations and Maintenance Facility (OMF)
- Light rail vehicles (LRV)
- Fare Collection

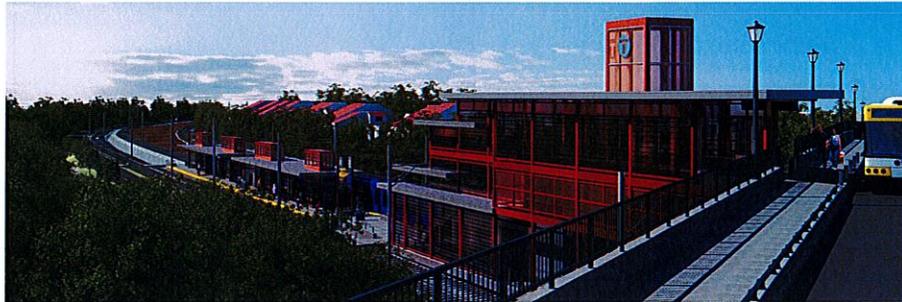
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## Civil Contract Scope

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



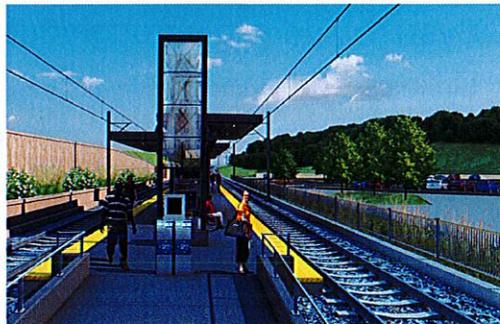
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## Civil Contract Scope

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



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## Civil Contract Scope

- 44 structures
  - 29 new bridges: LRT, pedestrian, roadway, freight
  - 7 existing bridges with modifications
  - 6 pedestrian tunnels
  - 2 cut and cover tunnels
    - TH62 582 ft
    - Kenilworth 2,236 ft
- 110 retaining walls
- Track: 153,440 TF

## Civil Contract Scope

- 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

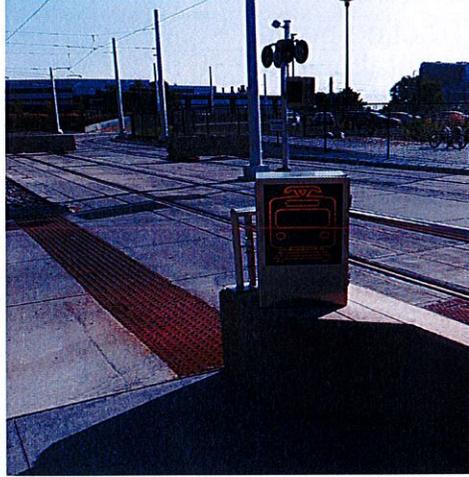
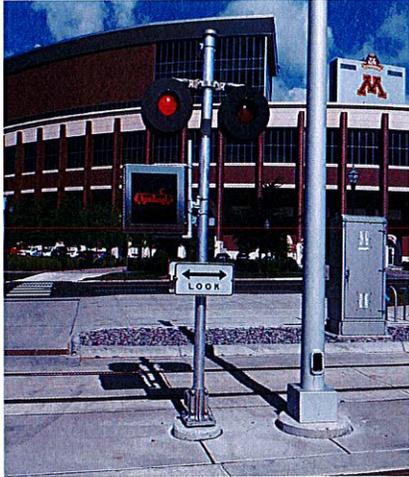
## Systems Contract Scope

- 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

## Traction Power Substation



## Signaling Systems



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## Security Features



Security camera



Emergency phone

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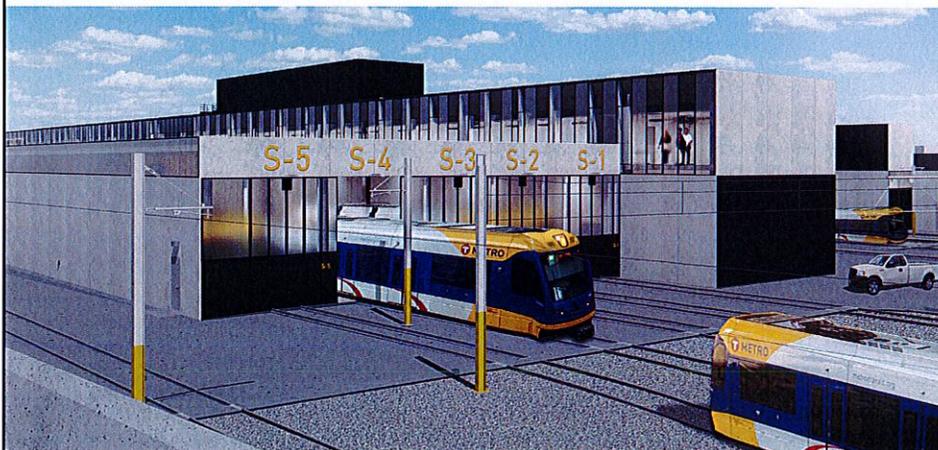


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## OMF Contract Scope

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

## OMF Contract



## Operations and Maintenance Facility

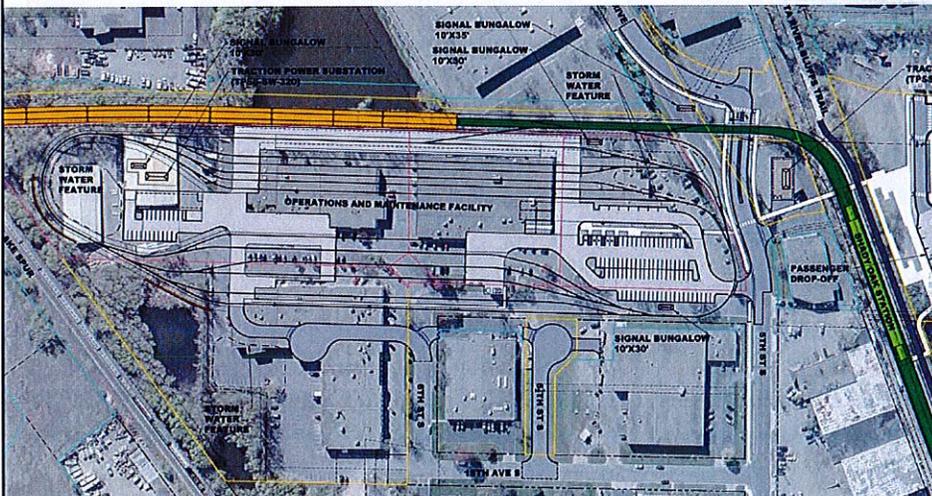


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## Operations and Maintenance Facility



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## Light Rail Vehicles Contract

- Light Rail Vehicle Scope:
  - Type III LRVs
    - Base order: 27
    - Options: Up to 50
  - 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



## 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

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## CAC/BAC Update

- CAC/BAC members, Co-Chairs attended Governor's SWLRT Forum
- Return to regularly scheduled meetings this fall
- Topics:
  - Construction outreach planning
  - ROW process
  - Construction hiring / workforce



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## More Information

Online:

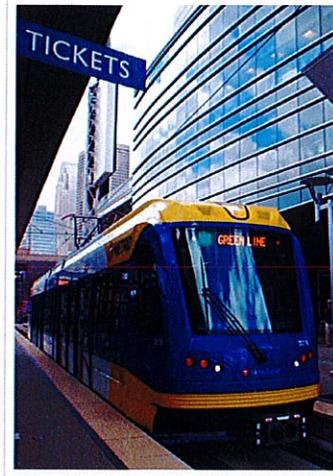
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