

# SOUTHWEST

Green Line LRT Extension



# *Welcome!*

October 18, 2016



EDEN PRAIRIE | MINNETONKA | EDINA | HOPKINS | ST. LOUIS PARK | MINNEAPOLIS

# Today's Topics

- Welcome
- Building the Future: Project & Construction Overview
- Employment Opportunities
- Staying Connected
- Questions?



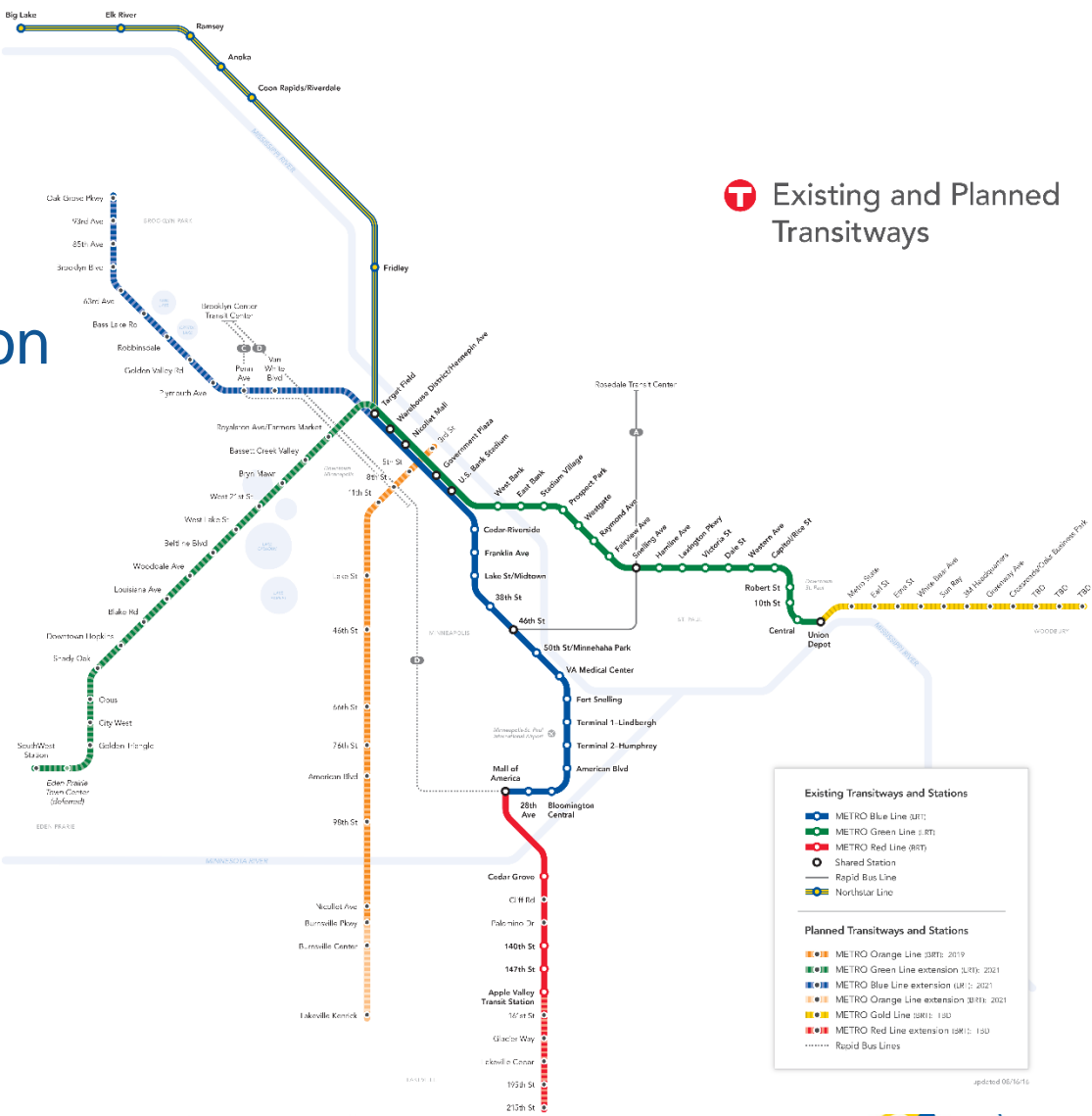
# METRO System: All-Day, Frequent Service

## Light Rail Transit

- Blue Line (2004)
- Green Line (2014)
- Green Line Extension (2021)
- Blue Line Extension (2021)

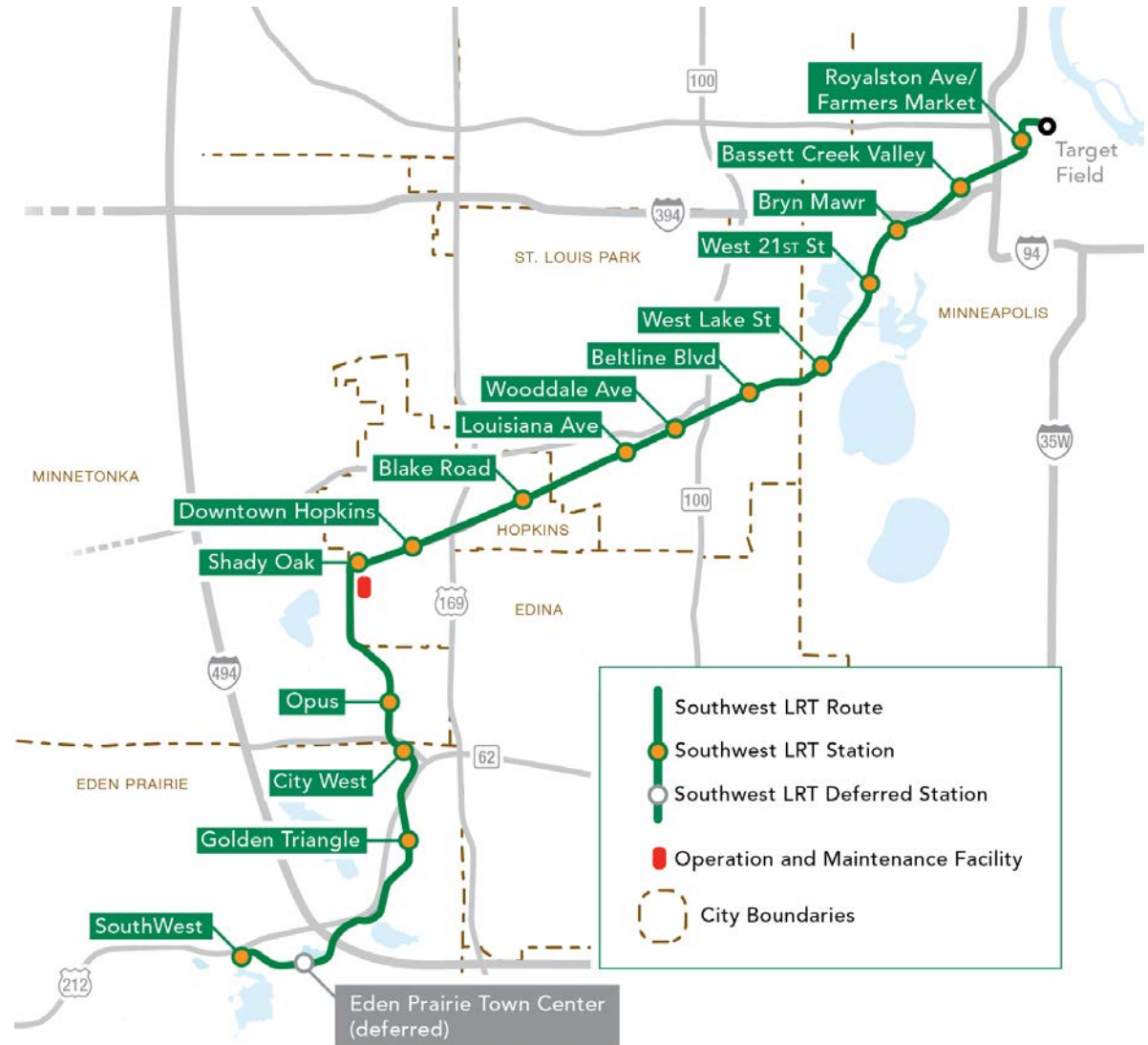
## Bus Rapid Transit

- Red Line (2013)
- Orange Line (2019)
- Gold Line (TBD)



# METRO Green Line Extension

- Opening in 2021
- 14.5 miles
- 15 stations
- 34,000 weekday boardings (2040)



# Project Readiness

- Environmental reviews complete
  - Final Environmental Impact Statement
  - Record of Decision
  - FEIS Determination of Adequacy
- 90% of engineering and design complete
- Light Rail Vehicle procurement in negotiations
- Funding commitments for 100% (\$928.8 M) of the local share complete
- Application for Entry into Engineering complete

# Look Ahead

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

# Building the Future: Project and Construction 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 Collections                  | Request for Proposals | Q3 2017    | TBD      |
| Light Rail Vehicles               | Request for Proposals | In Process | n/a      |



# Civil Contract Scope

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



# Civil Contract Scope

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



# 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)
- 15 at-grade crossings
- 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 and CP)

# Systems Contract



# 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



# Operations and Maintenance Facility Contract

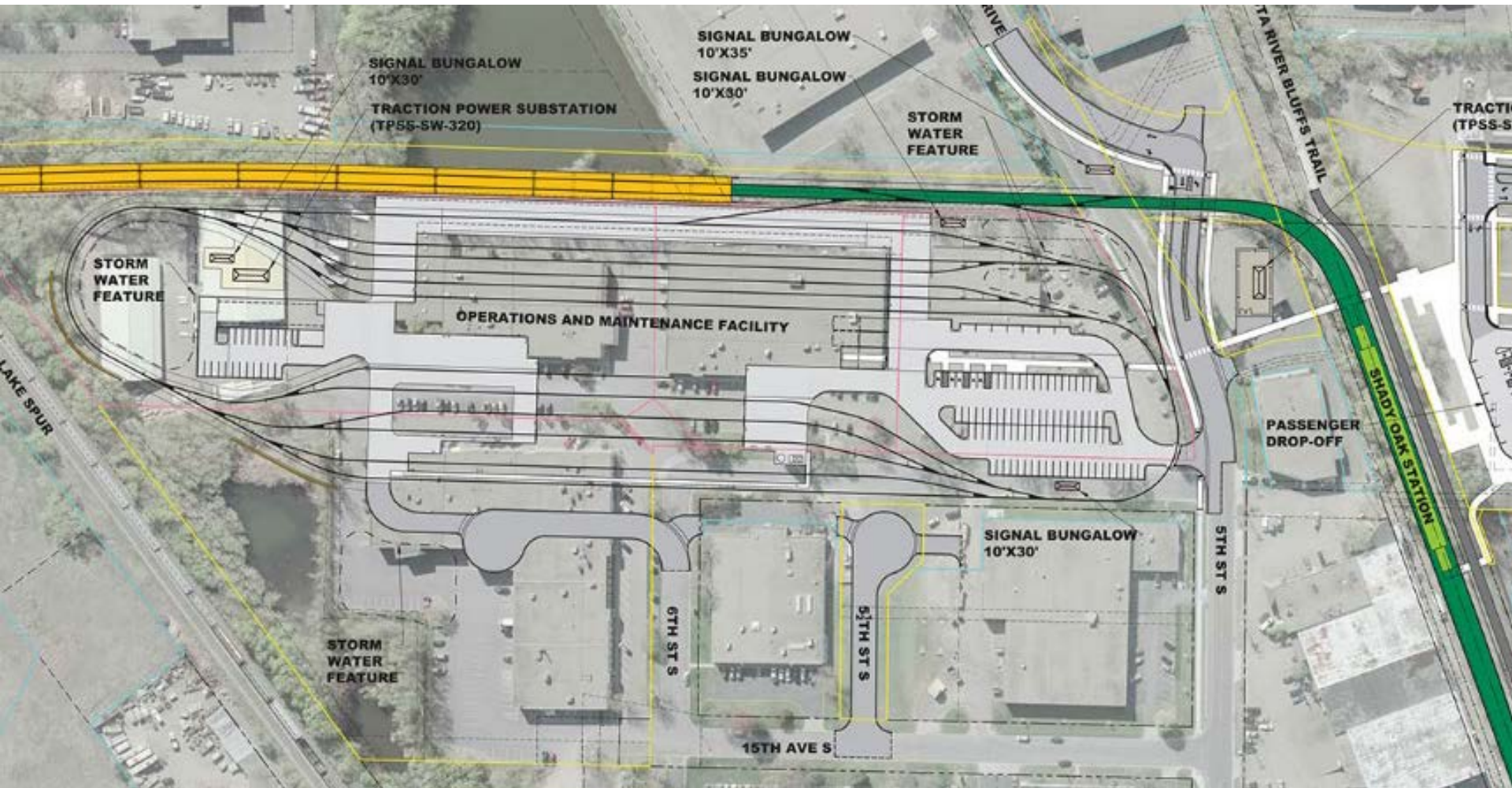




# OMF Contract Scope

- 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

# Operations and Maintenance Facility



# Operations and Maintenance Facility



# Light Rail Vehicles Contract



# Light Rail Vehicles 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

# Employment Opportunities



# Your Future Starts Here!

- Hiring 70+ employees with backgrounds in:
  - Engineering
  - Construction
  - Management
  - Project controls
  - Safety
  - Quality assurance/quality control
  - Finance
  - Administration

# Your Future Starts Here!

- Why work on SWLRT?
  - Make history working on the largest public works project in MN
  - Develop skills that are marketable internationally
  - Some positions may transfer to permanent positions
  - Benefits: medical, dental, life insurance, paid time off, transit pass



# Metro Transit: System of the Year!!



# Staying Connected

# Let's Stay Connected

- Project website:
  - Project updates/announcements
  - Job summaries
  - Helpful hints
  - Sign-up GovDelivery
- Met Council website:
  - Current listing of job openings
  - Guides/videos to help navigate the hiring process

tion/Projects/Current-Projects/Southwest-LRT.aspx

west Transitway | Google Maps | Minnesota Public Rai... | startribune.com New | Imported From IE | Metropolitan Council | Southwest LRT (@So...

About Us | News & Events | Data & Maps | Publications & Documents | Doing Business | Council Meetings | Contact Us | Employment

METROPOLITAN COUNCIL

COMMUNITIES | PARKS | TRANSPORTATION | WASTEWATER & WATER | HOUSING | PLANNING

SOUTHWEST LRT

Project Facts

Route

Stations

Fieldwork

Design & Engineering

Construction

Public Involvement

Meetings and Events

Environmental

Project Partners

Committees

### SOUTHWEST LIGHT RAIL TRANSIT

#### METRO Green Line Extension – Eden Prairie to Downtown Minneapolis

The Southwest Light Rail Transit (LRT) project (METRO Green Line Extension) will operate from downtown Minneapolis through the communities of St. Louis Park, Hopkins, Minnetonka, and Eden Prairie, passing in close proximity to Edina. It will be part of an integrated system of transitways, including connections to the METRO Blue Line, the Northstar Commuter Rail line, bus routes and proposed future transitways. The total estimated project cost of \$1.858 billion will be funded through a mix of federal, state and local sources, with federal funds making up approximately half the total. At Target Field Station in Minneapolis, Green Line Extension trains will continue along the METRO Green Line, providing one-seat rides to the University of Minnesota, State Capitol area and downtown St. Paul.

**NEWSLETTER / TEXT**

Subscribe to our newsletters, or text & email alerts.

Email

Enter Email or Phone #

**SIGN UP**

**Latest News**

Extending Tracks Issue 15: September 2016  
9/27/2016  
The September 2016 issue of the Southwest LRT Project newsletter.

METRO Green Line Extension (Sou...)

# Questions?

# More Information

Online:

[www.SWLRT.org](http://www.SWLRT.org)

Email:

[SWLRT@metrotransit.org](mailto:SWLRT@metrotransit.org)

Twitter:

[www.twitter.com/southwestlrt](http://www.twitter.com/southwestlrt)

