

**METRO Green Line Extension**: Virtual Town Hall **City of Mnneapolis** 

March 16, 2022

DEPARTMENT OF Federal Transit METROPOLITAN



COUNTIES Iransit Improvement

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

# **Today's topics**

- Project Overview
- Project Update
- 2021 Construction Recap
- 2022 Construction Highlights
- Systems Overview
- Communications & Outreach

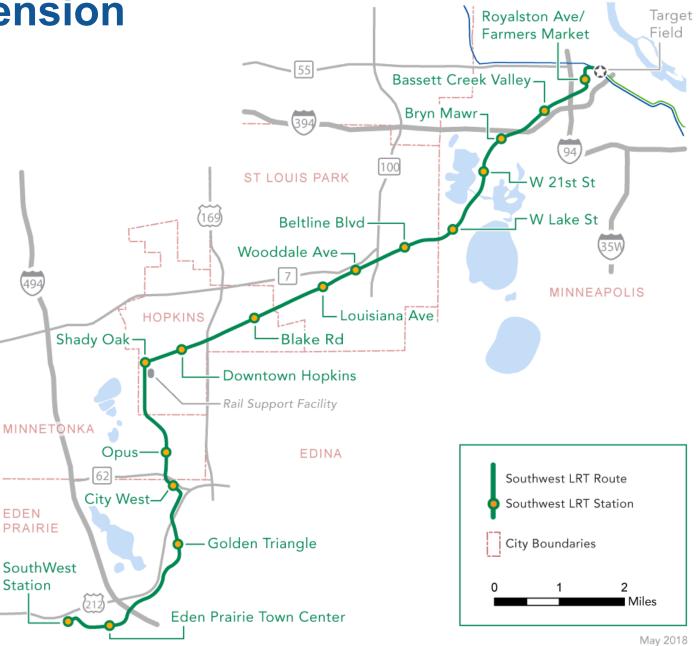


# **Project Overview**

**METRO** Green Line EXTENSION

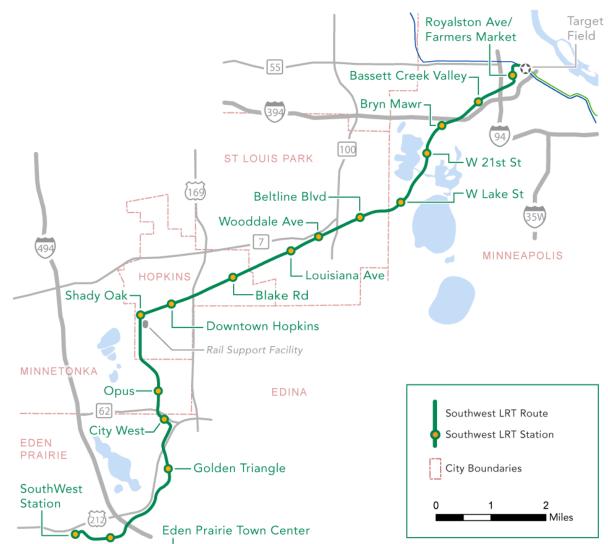
# **METRO Green Line Extension**

- Extends the Green Line with 14.5 miles of new LRT
- 16 new stations
- One seat ride from Eden Prairie to Downtown St. Paul
- Direct service to Downtown Minneapolis, U of M, stadiums
- Connections to rail and bus routes
- Downtown Minneapolis to Eden Prairie: ~35 minutes



# **METRO Green Line Extension Scope**

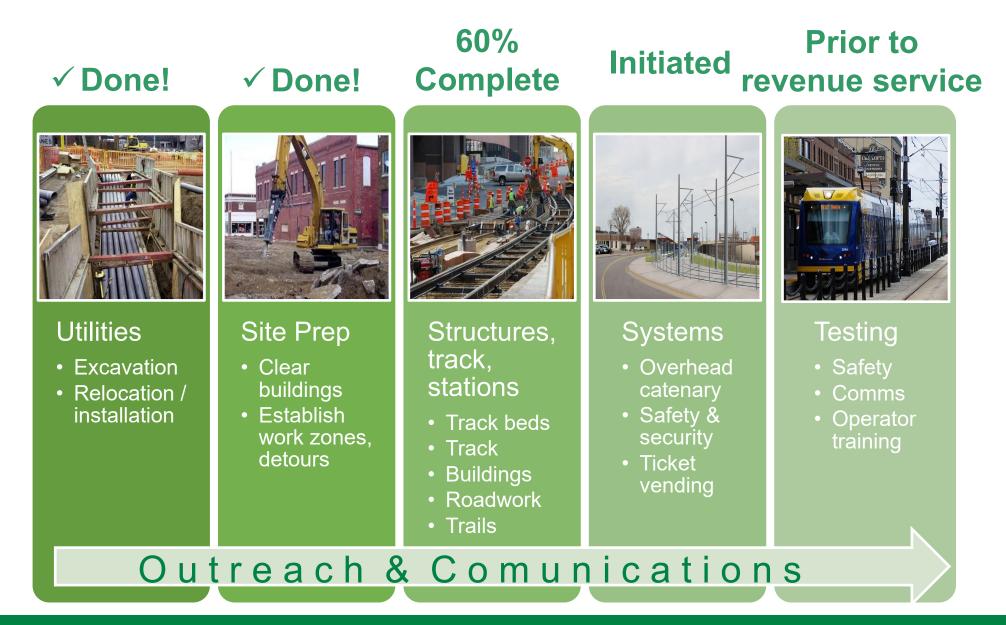
- 16 new stations
- 44 structures
  - 29 new bridges: LRT, pedestrian, roadway, freight
  - 7 existing bridges with modifications
  - 6 pedestrian tunnels
  - 2 cut and cover tunnels:
    - TH 62 582 ft., Kenilworth 2,236 ft.
- 15 at-grade LRT crossings
  - Includes 5 shared crossings w/freight rail
- 127 retaining walls
- Track: ~182,000 TF
- 7.8 mi shared LRT and freight rail corridor



May 2018

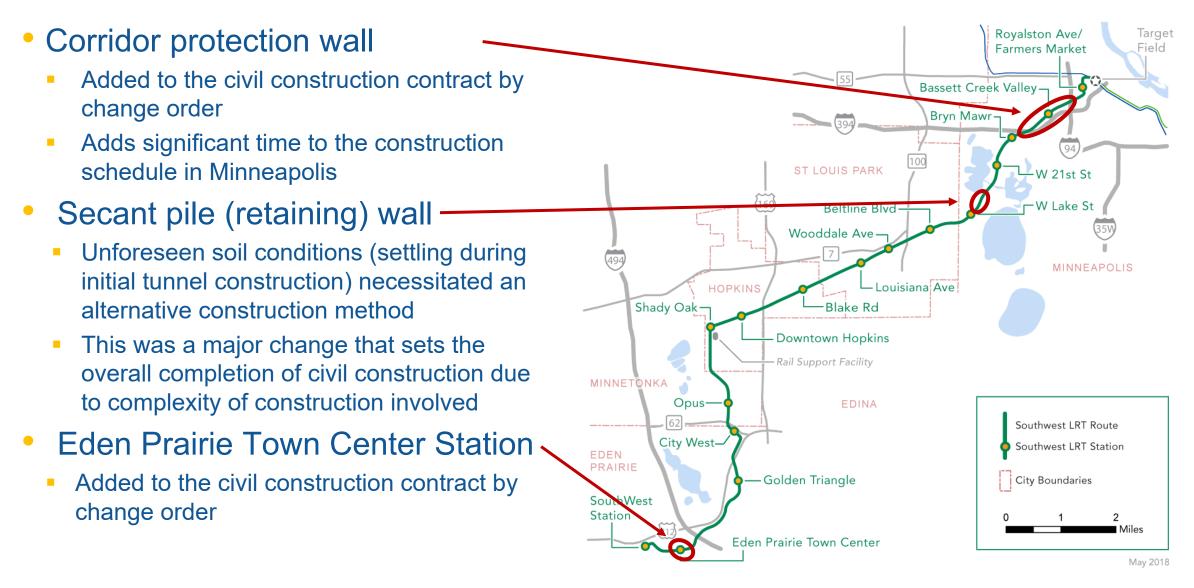
# **Project Update**

#### **LRT Construction Sequencing and Status**



**METRO** Green Line EX<u>TENSION</u>

# **Civil construction challenges: Key issues**



#### **Civil construction schedule and cost**



#### **Revised project schedule and cost process: Current step**

- Taken together, these issues impact:
  - Other Green Line Extension contracts
  - Staffing, supplies, overhead, etc.
  - Overall project schedule and cost



### **Revised project schedule and cost process**



- Estimated project cost: \$2.65B \$2.75B
- Revised costs will be known when all agreements are finalized
- Project opening day: 2027

#### **Project budget**

- The Green Line Extension has undergone cost cutting measures already, we are building a well-constructed line that meets the needs of our communities
- With the project 60% complete meaningful reductions are not available
- Additional funding will be needed to complete the project
  - We are working with partners to identity available funding solutions
  - We will not be asking city partners to contribute more
  - Stopping the project would be more costly

#### **How Do Costs Compare?**

- Compared to our peer group of metropolitan areas including Seattle, Portland, and Houston, our costs are currently at or below their similar projects
  - Previous Green Line Extension: ~\$152 million per mile
  - Revised Green Line Extension: \$180 million to \$190 million per mile
  - Peer projects: between \$200 million and \$500 million per mile



LRT track in the Highway 62 LRT tunnel



LRT track at the Downtown Hopkins Station

#### **National Comparisons**

LRT Project	Length in Miles	Number of Stations	Cost Per Mile
Twin Cities METRO Green Line Extension	14.5	16	\$180 - \$190 million
Pittsburgh: North Shore	1.2	3	\$560 million
Seattle: U-Link	3.2	2	\$511 million
Seattle: East Line	13.9	10	\$259 million
Portland: Orange Line	7.3	10	\$243 million
Los Angeles: Expo Line Phase 2	6.6	7	\$225 million
Houston: Green Line	3.2	7	\$223 million

Source: Eno Center for Transportation, "A Blueprint for Building Transit Better"

#### **\$2+ Billion in Permitted & Planned Community Development**

**Elevate At SouthWest Station, Eden Prairie** 



Minnetonka Station at Opus Station



The Moline at Downtown Hopkins Station



**Beltline Station Development, St. Louis Park** 



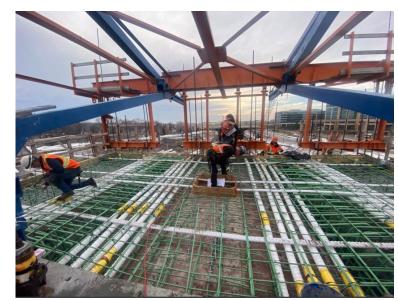
#### **METRO** Green Line EXTENSION

#### **Disadvantaged Business Enterprise**

Construction Contract Description	DBE Billed to Date	DBE Percentage Achieved*
Civil: 16%	\$139.0 Million	21.0%
Systems: 12%	\$11.5 Million	16.2%
Franklin OMF: 15%	\$7.6 Million	18.9%
OVERALL ACHIEVEMENT: 15%	\$163.4 Million	20.3%

\*As of December 31, 2021

# **Green Line Extension = Statewide Jobs**





\*As of July 2021





#### **Statewide economic benefits**

- Putting people to work:
  - More than 1.8 million hours worked
  - Paychecks for Minnesotans worth more than \$53.1 million and growing
  - Employing folks from 75% of counties statewide
  - \$134 million billed by Disadvantage and Business Enterprise companies (20.9%) for civil construction activities, exceeding the goal of 16%
  - Project will support 7,500 construction and construction related jobs and \$350 million in payroll to be reinvested in communities throughout the Twin Cities and the state

# 65 of 87

Minnesota counties have someone bringing home a Green Line Extension paycheck





# **2021 Construction Recap**

# **Construction highlights: 2021**

- Civil construction: 60% complete
- Under construction:
  - 25 bridges completed or underway out of 29
  - 8 tunnels underway out of 8
  - 114 retaining walls completed or under construction out of 131
- 95% of 946 private utilities completed
- 75% of nearly 1,300 public utilities completed
- Completed all 15 building demolitions
- Systems contractor mobilized and in design and procurement
- Franklin Operation & Maintenance facility modifications are nearly complete
- 26 of 27 Light Rail Vehicles delivered

# LRT stations underway

- 11 stations underway of 16
  - When complete will allow a stress-free commute from Eden Prairie to downtown Minneapolis
    - Consistent commute time, unimpacted by traffic
  - Improved connections to regional destinations such as Minneapolis Grand Rounds, Methodist Hospital, Downtown Hopkins, UnitedHealth Group's Optum corporate campus, Eden Prairie Center



West 21<sup>st</sup> Street Station



**Beltline Boulevard Station** 

#### **Kenilworth LRT Tunnel**



**METRO** Green Line EXTENSION

#### **Corridor Protection Barrier, Bryn Mawr**



#### LRT Bridge over 5<sup>th</sup> Avenue and 7<sup>th</sup> Street



**METRO** Green Line EXTENSION

# **2022 Construction Highlights**

## 2022 Minneapolis Construction Activity Map

**PMinneapolis - West Lake Street to West 21st Street |** 2022 Highlights - Major Construction Impacts



**METRO** Green Line EXTENSION

# Minneapolis, West Lake Street to West 21<sup>st</sup> Street: 2022 Construction Highlights

- Stations
  - West Lake Street Station: advance station, vertical circulation structures
  - West 21<sup>st</sup> Street Station: advance station work
- Bridges and Tunnel
  - Kenilworth LRT Tunnel: secant wall construction, tunnel construction to both east and west
  - Cedar Lake Channel LRT Bridge: set beams and advance fencing, railings
  - Cedar Lake Channel Pedestrian Bridge: demolition and construction, pile-driving
  - WPA wall construction: begins fall 2022
- Traffic Impacts
  - Long-term closure of Cedar Lake Parkway



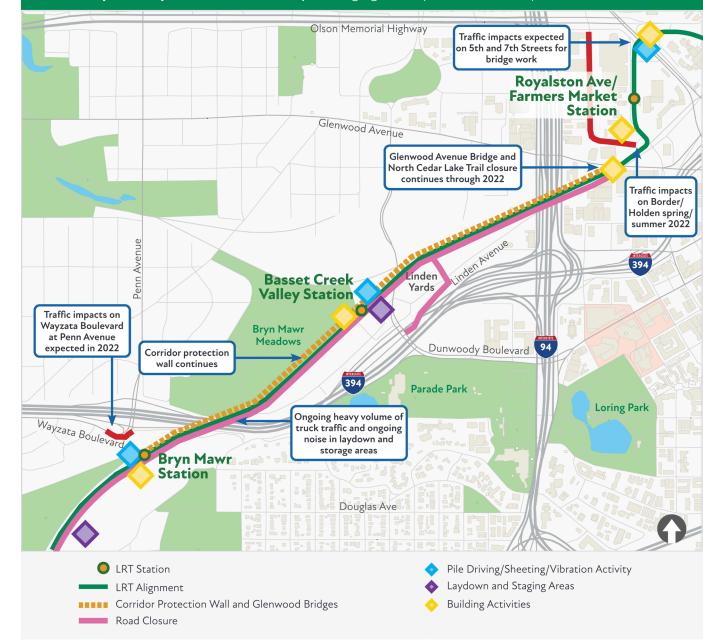
Cedar Lake Channel LRT bridge to be completed this year

#### Cedar Lake Parkway Closure



# 2022 Minneapolis Construction Activity Map

**Solution : Serve Serve :** Mawr to Glenwood | 2022 Highlights - Major Construction Impacts



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# Minneapolis, Bryn Mawr to Target Field: 2022 Construction Highlights

- Stations
  - Bryn Mawr Station: advance station, pedestrian bridge, retaining walls
  - Bassett Creek Valley Station: advance station, Luce Line overpass construction
  - Royalston Avenue/Farmers Market Station: advance station construction
- Structures
  - Corridor Protection Wall: continue concrete panel construction
  - Glenwood Avenue bridge: advance retaining walls, abutment construction and setting of bridge beams
  - 5th Avenue/7<sup>th</sup> Street LRT bridge: advance pier construction and setting of beams



Glenwood Avenue Bridge

# Minneapolis, Bryn Mawr to Target Field: 2022 Construction Highlights (cont.)

- Traffic Impacts
  - Impacts to Border Avenue and Holden Street for roadway and sidewalk reconstruction from spring through fall.
  - 5th Avenue and 7<sup>th</sup> Street: impacts for overhead bridge construction
  - Potential closure at Wayzata Boulevard at Penn Avenue for roadway reconstruction



Corridor Protection Wall

# **Communications and Outreach**

### **2021 Communications**

- Construction updates: 16,600+ subscribers; 46% open rate
- Hotline: 60+ calls from "Minneapolis" residents
  - 612-373-3933
- Hundreds more non-hotline calls and emails from community members to outreach staff
  - Email: david.davies@metrotransit.org
- Construction Information Workgroup meetings: 11
- Public Walking Tours: 5



Kenilworth Walking Tour, June 2021

# **Upcoming Community Outreach**

- Public construction tours
  - Running spring, summer, fall as weather allows
  - Efforts to connect with schools and youth groups
  - Virtual tours
- Pop-up events
- Continued weekly/bi-weekly construction updates



Louisiana Ave in St. Louis Park



Prairie Center Drive in Eden Prairie

#### **MORE INFORMATION**

Website: GreenLineExt.org

Email: <a href="mailto:swlrt@metrotransit.org">swlrt@metrotransit.org</a>

Twitter: @GreenLineExtMN

Instagram: @GreenLineExtMN