Today’s topics

• Call to order
• Approval of Dec 2021 meeting minutes
• Chair’s update
• Project update
• City development updates
  • City of Minnetonka
  • City of Hopkins
Chair’s Update
Project Update

Jim Alexander
Green Line Extension Project Director
Civil construction challenges: Key issues

• Corridor protection wall
  - Required per BNSF agreement
  - Required environmental clearance which was completed after civil construction contracting
  - Added to the civil construction contract by change order
  - Adds significant time to the construction schedule in Minneapolis
Civil construction challenges: Key issues

- Secant pile (retaining) wall
  - Unforeseen soil conditions (settling during initial tunnel construction) necessitated an alternative construction method
  - Impacts tunnel construction sequencing
  - Added to the civil construction contract by change order
  - The Kenilworth tunnel was already one of last civil construction items to be completed, even before the addition of the secant wall
  - This was a major change that sets the overall completion of civil construction due to complexity of construction involved
Kenilworth LRT tunnel, Minneapolis

- Tunnel excavation north of secant pile wall (left)
- Secant pile installation (below)
Civil construction challenges: Key issues

- Eden Prairie Town Center Station
  - Added to the civil construction contract by change order
  - Delayed construction elements in the west
Civil construction challenges: Unexpected conditions

• It is not unusual to discover unexpected conditions during construction, especially on a project of this magnitude
  ▪ It is not always possible to know conditions until shovels go in the ground and soil moves
  ▪ Significant design work went into the project to minimize the unknowns before construction

• The civil construction team acts expeditiously to find solutions whenever issues arrive, keeping corridor neighbors at the heart of decisions
Civil construction cost and schedule

• 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: Current step

- Revised civil construction schedule and cost
- Revised systems schedule and cost
- Revised supporting contracts, testing schedule and cost

= Revised project opening day and cost
Pathway forward: Civil agreement framework process

- With the introduction of these civil construction issues, the project team hired independent experts to verify costs and assist in settlement negotiation.
Civil agreement framework: Overview

• Metropolitan Council authorized staff to proceed with a settlement agreement on January 26
• The Executive Change Control Board approved advancing the settlement agreement on January 28
• At a future meeting, the Executive Change Control Board will consider for final approval the negotiated settlement agreement and the use of $210,000,000 in contingency
Civil agreement framework: Overview

• Key principles in agreement framework
  ▪ Establishes a dispute resolution process
    – Ensures disputes are resolved quickly to keep construction moving forward
    – Ensures costs are properly vetted and documented
    – Helps constrain costs and schedule
  ▪ Establishes a new civil construction schedule
  ▪ Defines a payment schedule for costs
  ▪ Avoids potential litigation
Civil agreement framework: Schedule

- 34 months will be added to the civil construction schedule
- Kenilworth LRT tunnel will be the last item completed
- Realigns the sequence for which construction segments are completed
  - Avoids delay in turning over segments of the project to the systems contractor

Crews pour the Kenilworth tunnel leveling slab
Civil agreement framework: Cost

• The Council and contractor will utilize the dispute resolution process to resolve costs in the following categories:
  - Extended performance costs
    – Costs the contractor incurs because they are on the job longer than anticipated
  - Labor and material escalation
  - Subcontractor costs
  - Close out known change orders
  - Impacts to the productivity of the work performed to date
Project costs & schedule

- Revised project costs will be known when all agreements are finalized
- Project opening day in 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 to $190 per mile
  ▪ Peer projects: between $200 million and $500 million per mile
2021 Construction Highlights
Accomplished by end of 2021: LRT construction sequencing

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- ✓ Done!
- ✓ Done!
- 60% Complete
- ~2% Complete
- Prior to revenue service
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
Kenilworth LRT Tunnel Construction: Video
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
Upcoming Community Outreach

• 2022 construction townhalls in March
  ▪ Highlighting activities and completion milestones
• Public construction tours
  ▪ Running spring, summer, fall as weather allows
  ▪ Efforts to connect with schools and youth groups
  ▪ Virtual tours
• Pop-up events
• City Council presentations
  ▪ Hopkins: March 1
  ▪ Minnetonka: March 7
  ▪ Eden Prairie: March 15
  ▪ St. Louis Park: March 21
• Continued weekly and bi-weekly construction updates
City Development Updates

Julie Wischnack
Community Development Director, City of Minnetonka

Kersten Elverum,
Director of Planning and Economic Development, City of Hopkins
Next meeting: Wednesday, April 6
MORE INFORMATION

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Instagram: @GreenLineExtMN