



**Business Item 2024-49**

**METRO Green Line Extension Civil  
Construction Change Order – Additional  
Contaminated Soil Disposal  
Contract 15P307A**

**Transportation Committee**

**Monday, February 26, 2024**



# Civil Construction Contract 15P307A Overview

- Contract Award: November 15, 2018
- Contractor: Lunda McCrossan Joint Venture
- Initial Contract Value: \$799.5M
- Change Orders: \$253M as of February 21, 2024

## Scope of Work

- 16 new LRT stations
- 44 significant structures:
  - 29 new bridges: LRT, pedestrian, roadway, freight
  - 7 existing bridges with modifications
  - 6 pedestrian tunnels
  - 2 cut and cover LRT tunnels:
    - Highway 62: 582 feet
    - Kenilworth: 2,236 feet
- 15 at-grade LRT crossings; including 5 shared crossings with freight rail
- 121 retaining walls
- LRT track: 14.5 miles
- 7.8 mi shared LRT & freight rail corridor
- Freight rail reconstruction
- Trail reconstruction

# Contaminated Soil Disposal - Process

- Preliminary Engineering Phase
  - Conduct Phase I Environmental Site Assessment (ESA)
    - Review existing information along the alignment
  - Coordinate with Minnesota Pollution Control Agency (MPCA)
- Final Design Phase
  - Conduct Phase II ESA
    - Conduct soil borings
  - Develop Response Action Plan (RAP)
    - Develop “heat maps” delineating anticipated contaminated soils to be encountered during construction
    - Determine if soil can be reused on the project (low contaminant levels) or require disposal to a landfill (high contaminant levels)
  - Develop soil disposal quantities to be included in the bid document
    - Disposal cost is based on bidder’s unit price
  - Coordinate with MPCA

# Contaminated Soil Disposal - Process

- Construction Phase
  - Confirm contaminated soil during excavation activities
  - Determine if soil can be reused on the project or requires disposal at a landfill
    - If the soil can be reused, the contractor needs available area to temporarily store the material and/or have other work sites where the soil can be reused
    - Due to the linear nature of the project and that there is much more excavation than fill overall, there is limited opportunity to reuse soils on the project
    - The landfill operator determines if the disposed soil can be used for daily cover or direct cell disposal (the latter comes with a higher fee)
  - Independent oversight is conducted by the Council's Construction Monitoring for Contaminated Materials consultant, SEH

# Contaminated Soil Disposal – Change Order

- Contract currently includes the cost of disposal of 1,697,888 tons of contaminated soil
- The change order would add approximately 175,000 tons for a total of approximately 1,872,888 tons
- The additional quantity is needed due to:
  - The quantity of contaminated soils was much higher toward the end of the 2023 construction season than originally anticipated
  - Peat and debris were encountered in otherwise clean soils requiring the soil to be reclassified as contaminated; and
  - Change orders that involved removal of soil required more contaminated soil removal than originally anticipated

# Proposed Action

That the Metropolitan Council authorize the Regional Administrator to execute a change order for Contract 15P307A with Lunda McCrossan Joint Venture (LMJV) for additional contaminated soil disposal in an amount not to exceed \$5,000,000.

## **MORE INFORMATION**

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