Cedar Lake Parkway Closure
Virtual Public Meeting

January 18, 2022
Today’s Agenda

• Project Overview
• Tunnel Construction
• Cedar Lake Parkway Closure and Phasing
• Q & A
Project Overview
METRO Green Line Extension

• 14.5 miles
• 16 stations
• Single seat trips to downtown Mpls, U of M, St. Paul
• Connections to Airport and Mall of America via Blue Line

Southwest LRT Route
Southwest LRT Station
City Boundaries

May 2018
Kenilworth LRT Construction

• The tunnel is constructed using a “cut-and cover” method
  ▪ A trench is excavated,
  ▪ The tunnel is then constructed, and
  ▪ The tunnel is then covered up

• The 2,780 feet long tunnel is divided into 30 segments or cells that are generally 100 feet in length

• There are different work activities going at any one time in seven consecutive cells, creating a work area over 700 feet long
Tunnel Construction Steps

Base Condition

Sheeting

55-65’ Typical

39.5’
Kenilworth LRT Tunnel

- Installing sheeting
Tunnel Construction Steps

Bracing and Excavation

Concrete Tremie Seal
Kenilworth LRT Tunnel

- Tremie seal concrete pour
Tunnel Construction Steps

Concrete Leveling Slab

Concrete Waterproofing and Floor

EXISTING TOWNHOME

BRACING

CONCRETE LEVELING SLAB

CONCRETE SEAL

18.0’ 9.0’ 13.0’

VARIES

EXISTING ROW

TC&W

EXISTING ROW

18.0’ 9.0’ 13.0’

VARIES

EXISTING ROW

TC&W

LOWER BRACING REMOVED

WATERPROOFING

CONCRETE LEVELING SLAB

CONCRETE SEAL

39.5’
Kenilworth LRT Tunnel

- Placement of concrete for the tunnel floor
Kenilworth LRT Tunnel

- Applying shotcrete to sheeting
Tunnel Construction Steps

Concrete Walls and Roof

Backfill and Restoration

*Bike/ped trails will be reestablished once tunnel construction is complete
Kenilworth LRT Tunnel

- Construction of tunnel walls and roof
Tunnel Construction Steps

Construction of Tunnel Interior and Completion

*Bike/ped trails will be reestablished once tunnel construction is complete
Cedar Lake Parkway Closure

- To date, there have been three closures to accommodate freight rail work and tunnel preparatory activities
- In the design phase we estimated that the closure would last about 180 days
- Tunnel construction conditions require an estimated closure duration, from early February to mid November, about 298 days
CLP Closure - Challenges

• Access and space constraints
  ▪ Due to the linear and limited access construction must progress in a specific way
  ▪ There are different work activities going at any one time in seven consecutive cells, creating a work area over 700 feet long
  ▪ Secant wall construction further limits access

• Other considerations
  ▪ Under water inspection of sheet piles is required to ensure there are no openings between the sheets
  ▪ This increases the time between completion of excavation and pouring the tremie seal
CLP Closure Phasing, Work Area

Minneapolis - Cedar Lake Parkway Closure | Overview

West Lake Street Station

Cedar Lake Shores Townhomes
Cedar Isles Condos
Park Siding Park
Cedar Beach Apartments

Cedar Lake

Bike/pedestrian access maintained across the tunnel construction area

LRT Station
LRT Alignment
Tunnel
Road Closure
Construction Area for Cedar Lake Parkway Closure
CLP Closure Phasing

Bike/pedestrian access maintained across construction area
CLP Closure Phasing

Minneapolis - Cedar Lake Parkway Closure

Bike/pedestrian access maintained across construction area

1  2  3  4  5  6  7  8

LRT Alignment  Road Closure  Excavation  Construction  Restoration  Current MCES Sanitary Force Main  Future MCES Sanitary Force Main
CLP Closure Phasing

Bike/pedestrian access maintained across construction area

Minneapolis - Cedar Lake Parkway Closure

Construction continues for the MCES force main relocation

Bike/pedestrian access maintained across construction area

LRT Alignment
Road Closure
Excavation
Construction
Restoration
Current MCES Sanitary Force Main
Future MCES Sanitary Force Main
Cedar Lake Parkway reopened to traffic
CLP Closure - Detours

• Pedestrian and Bicycle Detours
  ▪ Staged to accommodate progress of construction activities
  ▪ Working with City and Park Board staff on access details
  ▪ Communications from Project Office via GovDelivery to announce shifts in detours

• Automobile Detours
  ▪ Using detour routes from previous closures
  ▪ Burnham Road temporarily converted to two-way traffic between Burnham Boulevard and Sheridan Avenue South
  ▪ Lake of the Isles Parkway temporarily converted to two-way traffic between Dean Parkway and West 24th Street
  ▪ Access to Xerxes Avenue alley and Benton Boulevard will be maintained
CLP Closure – Ped/Bike Detours

Phase 1 Detour - Bike/pedestrian access across north side of Cedar Lake Parkway only

Phase 2 Detour - Bike/pedestrian access via new path from Depot Street to Park Siding Park

Phase 3 Detour - Bike/pedestrian access via new path across freight/LRT tracks to Cedar Lake Parkway
CLP Closure – Automobile Detours

- **Regional Traffic Detour -** Cedar Lake Road to France Avenue to W Lake Street
- **Bike/pedestrian access across the tunnel construction area**
- **Burnham Road converts to two-way access**
- **Local Access Only - Burnham Road to Lake of the Isles Parkway to Dean Parkway**
- **Detour wayfinding starts here**

Legend:
- LRT Station
- LRT Alignment
- Road Closure
- Local Access Only
- Regional Traffic Detour
Q&A
More Information

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