SUPERIOR STREET RECONSTRUCTION

Public Open House

NOVEMBER 16, 2017
DOORS OPEN AT 4:30 PM | PRESENTATION AT 5:00 PM

Radisson Hotel | Great Hall
505 West Superior Street, Downtown Duluth
Welcome!
Agenda

- Opening Remarks
- Project Sequencing
- Phasing Strategy & Traffic Control
- Access During Construction
- Cost Participation
- Q&A
Opening Remarks

Emily Larson
Mayor
City of Duluth
Project Overview

Typical Construction Season: Apr/May thru October
Project Sequencing

- Traffic Control Installation & Site Perimeter Controls
- Contractor Mobilization
Project Sequencing

• Demolition & Removals
  • Removals of all surface features: lighting, kiosks, bollards, etc...
  • Removal of existing brick walks and roadway paving.
  • Removals of historical trolley track system beneath surface.
Representative Utility Layout
Utilities - Water

- Water
  - Removal & Replacement of existing 1880s vintage 16-inch Cast Iron water main with new 20-inch HDPE water main.
  
  - Removal & replacement of existing water services. Requires temporary water main service system at street level.
  
  - Typically on south side of Superior Street at a depth of 7-ft to 10-ft and at Avenues (crossing Superior St).
  
  - Pipe is butt fused generally outside of trench then pulled into the excavated water main trench.
Utilities – Water

Services & Service Interruptions (Req’d 2X):

• Office / Non-Retail—After 5 pm
• Retail—After close of business
• Bars—After 2 am and probably no later than 10 AM
• Restaurants/Bars—Late Night / Morning TBD
• Hotels—between Midnight and 5 AM. Includes Sheraton, Holiday, Voyageur Inn and Radisson.

• Service Interruptions will be coordinated during construction to provide notice and input from building owners / businesses.
Utilities – Water

Service Modifications

• Owners who have elected to do so will be given 2 weeks notice prior to Contractor exposing existing service.

• Building Owners will be given a time window to upsize existing service using Owner work forces.

• Failure to provide new service connection in the time frame specified will result in connection of new service to existing service as-is.

• Further information to be provided by City prior to construction.
Utilities – Storm Sewer

Storm Sewer

- **Removal and Replacement of storm sewer within project limits.**

- **Connection of building roof drains to new storm sewer.**

- **Installation of stormwater treatment structures at 2nd, 3rd & 4th Avenues East.**

- **Typically 2nd deepest utility 5-ft depth +/-.”**
Utilities – Hot Water

- Up to 28” outside diameter pre-insulated hot water pipe with up to 20” inside diameter steel carrying pipe.

- PVC jacket fusion welded and insulated at seams to prevent water intrusion.

- One supply pipe, one return pipe. Typically 3-ft deep +.

- Typically on north side of street.

- Service connections to buildings.
Utilities - Electrical Duct Bank

• Installation of concrete encased duct bank consisting typically of (6) 6-inch PVC conduits encased in concrete.

• Typically 3-ft + deep near centerline of Superior Street.
Street Construction

- Concrete roadway, curbs and walks with varying colors and textures constructed on about 2.5-ft of granular and aggregate roadway base.
- Work will require multiple separate pours and time for curing prior to opening to traffic.
Street Furnishings & Amenities

• Street furniture: benches, bike racks, waste receptacles

• Trees, tree grates and planters

• Lighting
Project Overview
Mesaba Avenue Project

http://www.dot.state.mn.us/d1/projects/hwy194-mesaba-duluth/index.html
Phase 1 – 2018

- Major Elements
- MnDOT Mesaba Avenue Project
- 1st Year of Project
Phase 1 – 2018

Temporary Duel Left Turn to Mesaba Ave.

Temporary two-way access management (for depot and depot ramp only)

Short term closure at 4th Ave West during Phase 1A required at start of project for water main est. 3-4 weeks

Legend:
- Typical long term work area
- Short term work area
- Contractor staging area
- Traffic flow arrow

PHASE 1A
Phase 2 - 2019

- Major Elements
  - Canal Park Water Connection
  - Grandma’s Marathon
  - Utility Work (Phase Includes Steam)
Phase 3 – 2020

- Major Elements
  - Lake Avenue Bridge & Plaza
  - Work on Avenues
    - 1st Ave West (South) – Hot Water
    - 2nd Ave West (North) – Power
    - 2nd Ave West (South) - Water
Access During Construction

• Pedestrian traffic maintained to Superior Street entries during normal business hours, except for short, coordinated periods.

• Pedestrian access route along Superior Street between Avenues maintained on at least one block face at all times. Use of skyways encouraged.

• Building deliveries will need to be facilitated by building owners / businesses from locations off Superior Street such as Michigan Street or 1st alley. Avenue access may be limited at any given time.

• Avenue vehicle traffic will be maintained where practicable for each phase as shown in phasing plans.
Access During Construction

• Parking at ramps (1 hour free) with signage at ramps identifying routes

• Alley access and signage

• Skywalk wayfinding and signage
Communication During Construction

City
• Pre, during and post construction communications
• Press releases, weekly newsletter, Social media tools
• Print, TV and Radio
• Construction vendor will have a designated Communications staff
• Street level signage – skywalk signage
• Weekly construction meetings

Greater Downtown Council
• Businesses
• “Get Downtown”
• Navigators
Property Owner Contribution

- Street Assessment
Next Steps

• **Bidding:** Jan/Feb

• **Award:** March

• **Construction Start:** Spring 2018 (April, Weather Permitting)

• **Ongoing Coordination**
Questions/Comments

Thank You!