MMSD Northeast Interceptor – Truax Extension Relief: Pre-construction Public Information Meeting
Agenda

• 6:00-6:05-Introduction (Bruce Borelli)

• 6:05-6:10-Greeting (Ald. Samba Baldeh)

• 6:10-6:30-Project Update (Lisa Coleman)

• 6:30-6:50-Questions

• 6:50-7:00-Wrap-up
About MMSD

- Regional organization
- Serve 26 communities
- 380,000 people
- 184 square miles
- 142 miles of pipe
  - 95 miles of sewer main
  - 32 miles of force main
  - 15 miles of effluent pipe
- 40 million gallons per day on average
Project Need

• Currently serves 58,000 people
• Average flow=6.5 million gallons per day
• Interior is corroded
• Rehabilitation needed on interior pipe surface
• Pipe cannot accommodate future flow
• Need to increase capacity:
  o Bigger pipe or second pipe
Background on the Northeast Interceptor

• Existing sewer constructed in 1969
• 11,000 feet
• 48” diameter reinforced concrete pipe
• Rehabilitation needed due to corrosion of interior pipe surface
• Need to increase capacity
Alternatives Analysis

• Public Input + extensive coordination w/ City and Airport

• Constructability
  • Depth
  • Road crossings
  • Tunneling

• Traffic/Access Impacts

The old interceptor will stay in service. New one adds ability to rehab old one + added capacity
Selected Route for Relief Sewer

- Average sewer depth = 30 ft
- Max sewer depth = 45 ft
- Trenchless construction across E. Washington Ave.
- Winter construction through Reindahl Park and farm field to minimize impacts.
- Park improvements that match master plan

Madison Metropolitan Sewerage District
Construction

Trench

10 to 50 feet

Trenchless

Receiving Pit
Bore Pit
Section of Pipe
Auger
Dirt spoils

Madison Metropolitan Sewerage District
Construction
Construction
Tentative Construction Schedule

**Project: July 2019 – June 2020**

July-Oct 2019: Construction in Lien Road between Thierer and Parkside Drive

July/August 2019 Tunneling under East Washington

August-September 2019: Construction in Triangle Park and Southernmost part of Reindahl Park proper.


January-February 2020: Construction through field.

Feb-March 2020: Rieder Rd to north, connect to Ex. MH

April-May 2020: Restoration efforts and paving of trail in Reindahl Park to resume. Final restoration of Rieder Road and Bartillon Drive.
Traffic Impacts

• Lien Road, closed to through traffic but maintain business access (rolling closure)

• Busses detoured off Lien, temp bus stops on Thierer

• Sidewalk stays open on Lien (existing N. side only), except for during work at Lien/Parkside Intersection, then there is SW detour to East Wash.

• No impact to East Wash traffic (pipe tunnels under)

• Crossings of Bartillon and Rieder – temporary closures will be required.
Lien Road Rolling Closure

Rolling closure east to west along Lien to maintain access
Field Investigations

• Archeological Survey
• Wetlands Delineation
• Tree Survey
• Soil Borings
• Environmental Sampling
Tree & Brush Removals

• Hired arborist for tree inventory, worked closely with Parks staff on route to avoid high value trees.

• City Tree protection specs will be followed, tree protection fencing to be used.

• Anticipated removals though triangle park (3); Reindahl Park (~40, majority basswood); Sidewalk between Onsgard/Orin and Park (cottonwood & box elder); north of Rieder.
Tree & Brush Removals

- Most of tree removals in clouded area at right
- Recreational path and sidewalk amenities added after pipe installation
Tree Map & Inventory

See project website for map of tree removals + tree inventory
Groundwater sampling

• Voluntary sampling: low levels of PFAS detected in samples. Detection does not necessarily equate to a human health risk.

• PFAS are found in cosmetics, clothing, food packaging, nonstick cookware, our bodies, household dust…

• New WI recommended GW standard 20 ppt

• Results shared w/ DNR. Based on the low level detections in the groundwater samples, DNR issued the required project permits with no special requirements on discharge from the dewatering process.
Wrap-up

• Sign up for email alerts.
• Visit the website for project updates.
• We appreciate your support for this priority infrastructure project!
Questions?

For construction questions contact:
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