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# 2021 HORNSBY STREET IMPROVEMENTS CITY COUNCIL MEETING JANUARY 27, 2021

145<sup>th</sup> AVENUE TO 152<sup>nd</sup> AVENUE



# Project Location



# Existing Conditions

- Road Length Approximately 5,200 Feet
- Pavement Width Roughly 23 to 24 Feet
- Pavement is in Poor Condition
- Existing Watermain in East Ditch
- Existing Sanitary Sewer in West Ditch



# Existing Conditions

- City's Main Lift Station South of Bare Home
- 2,000 Feet of Sewer Forcemain in West Ditch
- 3 Culvert Crossings (24" to 36")
- Two Areas of Underlying Peat Soils
- Areas of Wetlands in the Ditches

# Previous Evaluations

- TKDA Feasibility Report (February 2019)
  - Option A (\$1,513,000)
    - Two 12-foot bituminous drive lanes with 4-foot aggregate shoulders
  - Option B (\$2,208,000)
    - Two 12-foot bituminous drive lanes with 8-foot shoulders (4-foot paved and 4-foot aggregate)
  - Option C (\$2,927,000)
    - Two 12-foot bituminous drive lanes with 12-foot shoulders (8-foot paved and 4-foot aggregate)



# Previous Evaluations

- Bolton & Menk Prelim. Eng. Report (Aug. 2020)
  - Focused on Preferred Option B
    - Updated the Engineering Evaluation Based on Additional Information
      - Soil Borings, Ground Survey, Updated Costs
    - Updated Project Estimate \$2,470,000
      - Includes \$150,000 for street lighting
      - Includes contingencies, engineering, administration



# Proposed Improvements

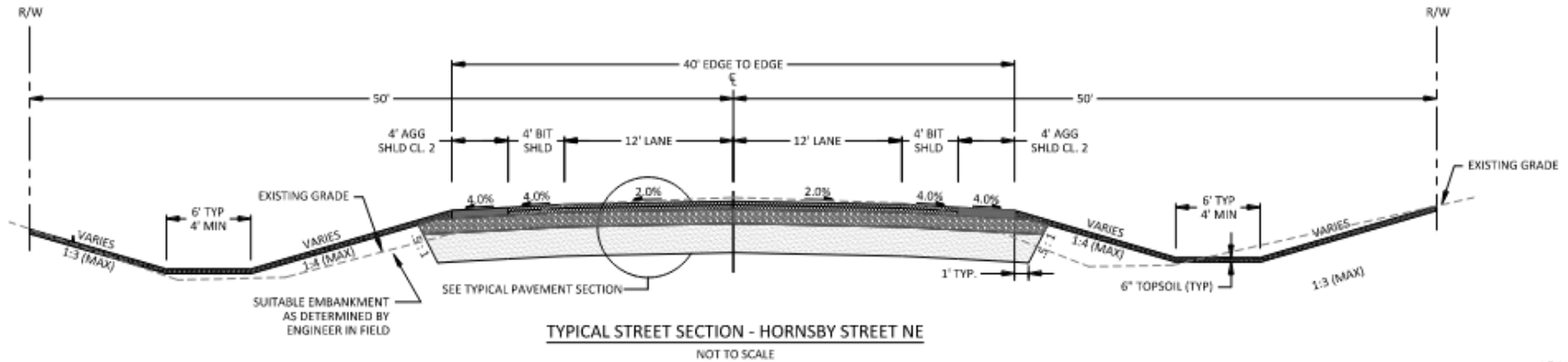
- Soil Correction – Remove and Replace Peat Soil Areas
- Some Tree Removals
- Replacement of Culvert Crossings and Driveway Culverts
- Regrading of Roadway and Ditches
- In-Ditch Ponding/Filtration Basins

# Proposed Improvements

- 2-12' Driving Lanes, 8' Shoulders (4' Paved, 4' Aggregate)
- 6" Bituminous Pavement, 8" Agg Base, 12" Sand Sub-Base
- Lane & Shoulder Paint Striping
- Mailbox Support Replacement
- No Lighting Improvements at this time
- Estimated Cost of Construction = \$1.9M



# Proposed Improvements



# Project Schedule

- Bid Opening February 18
- Award Bids February 24
- Construction Start Mid-May (estimated)
- Substantial Completion October 1



# Access During Construction

- Maintain One-Lane of Vehicle Access During Construction
- Road Closure Will Be Required During Peat Removal
- Detour Will Be Established For Non-Local Traffic
- Traffic Will Be Routed Via Lyons/190<sup>th</sup> St/Hwy 61/Hwy 97
- Mail Delivery – will move mailboxes temporarily to 152<sup>nd</sup> Ave



# Detour Route



# Permit Requirements

- Rice Creek Watershed District – Stormwater & Wetland
  - Wetland Mitigation – applying for Local Road Program (no cost for wetland mitigation)
  - TEP Determination by February 14
- MN Pollution Control Agency – NPDES Stormwater Permit



# Project Communications

- Informational Meeting Held January 14
- Another Meeting to be Held After Contractor Schedule is Determined
- Project Website to be Established
- Weekly Newsletters to be Posted
- Construction Project Representative (Inspector) will be on-site full-time during construction (TBD)

# Council Action

- Motion to Approve Plan & Authorize Advertisement for Bids



**QUESTIONS?**



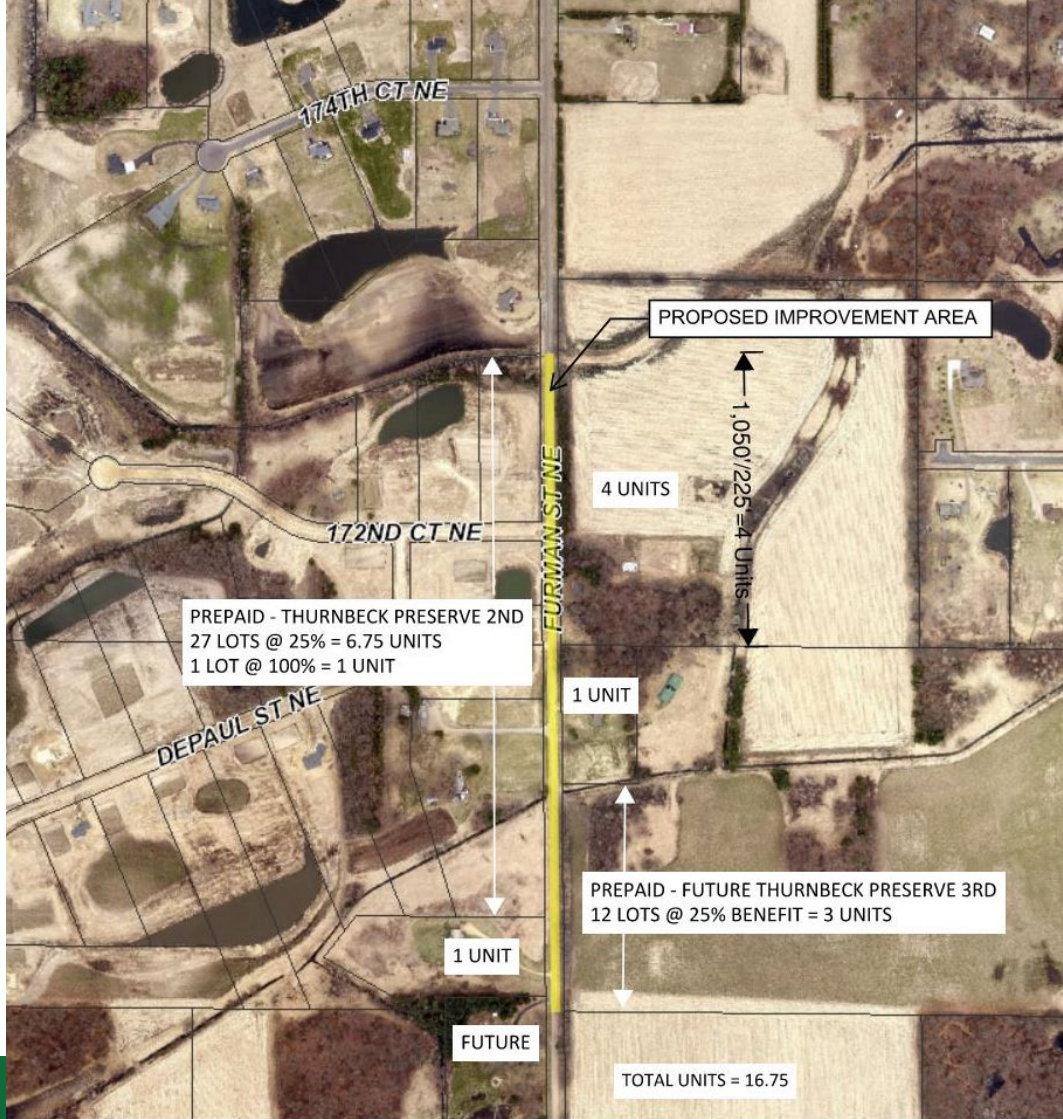




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# FURMAN STREET IMPROVEMENTS

# Project Area



# Existing Conditions

- Gravel Roadway
- Approximate 20' Width
- 2,350' Length

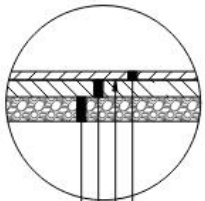
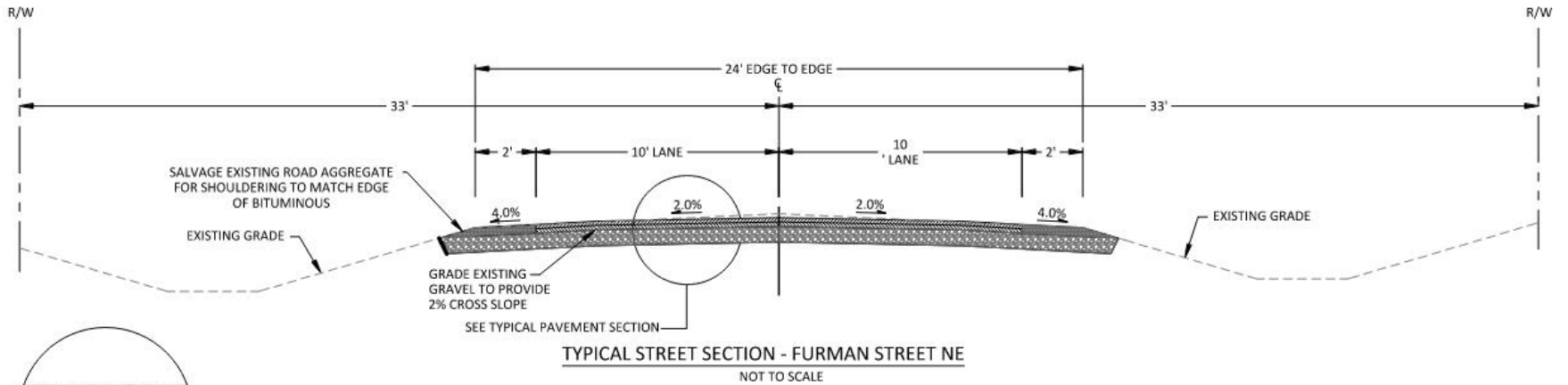


# Proposed Improvements

- Shape Aggregate
- Pave with Bituminous Pavement – 3.5” Thick
- 20’ Wide
- 16.75 Residential Units to be Assessed
- Total Estimated Project Cost \$135,000



# Proposed Improvements



- 1.5" TYPE SP 9.5 WEARING COURSE, (SPWEA340C) (SPEC 2360)
- BITUMINOUS TACK COAT (SPEC 2357) (INCIDENTAL)
- 2.0" TYPE SP 12.5 NON WEARING COURSE, (SPNWB330C) (SPEC 2360)
- SHAPED AGGREGATE BASE, CL 5 (SPEC 2211)

**TYPICAL PAVEMENT SECTION**  
NOT TO SCALE



# Project Schedule

- Bid Opening February 18, 2021
- Award Bid February 24, 2021
- Construction June 2021 (estimated)
- Completion Date July 1, 2021
- Assessment Hearing September 9, 2021



# Council Action

- Approve Plan & Authorize Advertisement for Bids (By Resolution)

