2016 Street and Utility Improvement Project
Feasibility Report

North St. Paul City
Project Number: S.A.D. 16-01

City Council Meeting
September 15, 2015
Project Area

• Identified in City CIP
• Streets Included:
  – 1st Street North
  – 2nd Street North
  – 19th Avenue East
  – Helen Street North
  – Helen Court
  – Longview Drive
  – Navajo Road.
Street Conditions

- Block Cracking
- Longitudinal Cracking
- Pavement Potholing
- Localized Drainage Issues

Longview Dr.
19th Ave.
19th Ave.
2nd St.
Utility Conditions

Sanitary Sewer Televising Shows:
- Roots in Joints
- Cracked Pipes
- Damaged Joints (Chips/Cracks)
- Leaking Joints (I&I Concerns)
- Service Pipe Problems

Watermain Has a Known History of:
- Breaks
- Leaking/ Broken Valves

Storm Sewer
- Block Structures Showing Signs of Distress and Deterioration.
- Infiltration into Structures
Proposed Improvements

Pavement Reclamation:
- Helen Street N

Proposed Improvements
- Reclamation of existing pavement
- Spot curb and gutter replacement
- Spot storm sewer improvements
- New pavement section
Proposed Improvements

Complete Street Reconstruction

- 1st Street N - Longview Dr
- 2nd Street N - Navajo Rd
- 19th Avenue E - Helen Ct

Proposed Improvements

- Complete Roadway Reconstruction
- 29’ Back to Back Typical Section
- New Concrete Curb & Gutter
- New PVC Watermain & Services
- Sanitary Sewer Improvements
- Storm Sewer Improvements
Final Design Considerations

1. Stormwater Management Solutions
   - On-Site Treatment
   - Off-Site Treatment
   - Impact Fees
Final Design Considerations

1. Stormwater Management Solutions

2. Neighborhood Tree Impacts
   - 110 Trees in ROW in Project Area
   - 58 Potentially Impacted
   - Options for Property Owners
Final Design Considerations

1. Stormwater Management Solutions
2. Neighborhood Tree Impacts
3. Sidewalks and Trails
Comp Plan & Living Streets
Final Design Considerations

1. Stormwater Management Solutions
2. Neighborhood Tree Impacts
3. Sidewalks and Trails
Final Design Considerations

1. Stormwater Management Solutions
2. Neighborhood Tree Impacts
3. Sidewalks and Trails

City of North Saint Paul
Ramsey-Washington Metro Watershed District
City St. Paul

living streets plan

North St. Paul

Figure 5-5
Existing & Proposed Parks, Open Spaces, and Trails

- Proposed Sidewalk A
- Proposed Sidewalk B
- Proposed Trail A
- Proposed Trail B
- Proposed Trail C
- Proposed Trail D
- Proposed Trail E
Final Design Considerations

1. Stormwater Management Solutions
2. Neighborhood Tree Impacts
3. Sidewalks and Trails
Final Design Considerations

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Final Design Considerations

1. Stormwater Management Solutions
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3. Sidewalks and Trails
Project Costs and Funding

- Estimated Project Cost*: $5,271,100
- Surface Improvements $2,596,100
- Helen St Improvements (North of Beam) $186,500
- Sanitary Sewer Improvements $997,100
- Water Main Improvements $704,900
- Storm Water Improvements $536,900

*Includes Sidewalk/Trail Options
Project Costs and Funding

- Estimated Project Cost*: $5,271,100
  - Trail A (17\textsuperscript{th} Ave E to 19\textsuperscript{th} Ave E) $98,500
  - Sidewalk B – 19\textsuperscript{th} Ave E (Chippewa Ave to Helen St N) $71,100
  - Trail C (19\textsuperscript{th} Ave E to Polar Park) $17,800
  - Trail D (Hilltop Ct to Longview Dr.) $39,300
  - Sidewalk E – Longview Dr. (19\textsuperscript{th} Ave E to Helen St N) $22,900

* Includes Sidewalk/Trail Options
Project Costs and Funding

• Estimated Project Cost*: $5,271,100
• Estimated Project Funding*: $5,271,100
• City Street CIP Funds                    $2,041,650
• City Waste Water Utility Fund           $997,100
• City Water Utility Fund                 $704,900
• City Surface Water Utility Fund         $536,900
  o Special Assessments*                 $647,700

* Includes Maplewood ($93,250)
Special Assessments

North St. Paul Assessments Based on Actual Front Foot Along Project

- Reconstruction: $64.00/ft
- Reclamation: $35.00/ft
- 162 parcels

- Maplewood Special Assessments
Special Assessments

Assessments Based on Actual Front Foot Along Project

- Interior Lot Full Reconstruct Lot: $64.00/ft
- Interior Reclamation: $35.00/ft

Corner Lots are Assessed on 50% of Actual Front Footage

- Corner Lot with Construction on One Side
- Corner Lot with Construction on Two Sides
- Corner Lot with Different Construction on Each Side
2016 Street And Utility Improvement Project

- Order Feasibility Report: April 21, 2015
- Public Hearing/Order Project/Set Assessment Hearing: October 20, 2015
- Approve Plans/Assessment Hearing/Order Ad for Bid: January 19, 2016
- Open Bids: February 18, 2016
- Tentative Begin Construction: May, 2016
Next Steps

- Accept Feasibility Report
- Order Public Hearing (October 20, 2015)
- Authorize Preparation of Plans and Specs
Questions