

**Meeting Date:** 08/23/2022

**Submitted For:** Joe Feriancek, Engineering/Public Works

**By:** Joe Feriancek, Engineering/Public Works

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**Information**

**Title**

Adopt Resolution #22-201 Ordering Plans and Specifications for 167th Avenue Reconstruction, Improvement Project #23-04

**Purpose/Background:**

**Purpose:**

The purpose of this case is to adopt Resolution #22-201 ordering plans and specifications for 167th Avenue Reconstruction, Improvement Project #23-04.

**Background:**

City Improvement Project 23-04 proposes to reconstruct 167th Avenue between Nowthen Boulevard (CSAH 5) and Saint Francis Boulevard (TH 47). The street totals approximately 6,000 linear feet (1.13 miles) in length, and varies between 40-foot wide rural section (0.97 miles) and 48-foot wide urban section (0.16 miles). A full shoulder/parking lane exists on both sides of the street, for the entire length of the street. A figure showing the project scope and a street segment summary is attached to this case.

On June 14, 2022, the Ramsey City Council accepted a proposal for a topographic survey of the project area from Bolton & Menk. Staff is submitting a proposal for a geotechnical report with a separate resolution.

167th Avenue was included in the Ground Penetrating Radar (GPR) Pavement Evaluation performed by Braun Intertec. This data provides bituminous and aggregate base thickness information. The GPR data is included in the street segment summary attached to this case.

167th Avenue is a Municipal State Aid (MSA) street, and must be designed to MSA standards. Staff is proposing to generally leave the street at the current 40-foot rural section width, and 48-foot urban section width. The existing curb and gutter is generally in good shape and is proposed to have spot repairs done as necessary.

The street will also be required to meet an MSA 10-ton design standard. Traffic counts taken in 2021 on 167th Avenue east of Nowthen Boulevard found an Average Daily Vehicle (ADT) count of 1,637, and counts taken west of TH 47 found an ADT of 2,332. Based on these traffic volumes, Staff is estimating the required pavement section will be approximately 9 inches thick, but review of the proposed geotechnical report will be necessary to determine the existing sub-base materials below the pavement. If sub-base materials are adequate, this street may be a good candidate for the Stabilized Full-Depth Reclamation (SFDR) project, similar to what was performed on Sunwood Drive between Ramsey Boulevard and Bunker Lake Boulevard in 2017, and on Variolite Street between Alpine Drive and 173rd Avenue in 2020.

Staff has received numerous inquiries from residents if additional bicycle and pedestrian facilities will be added with the reconstruction project. Staff is investigating the possible alternative for adding an off-street trail along 167th Avenue, or creating on-street facilities. Currently, the 8 to 10-foot wide shoulders are a shared use for bicycles and pedestrians. Any improvements must meet both MSA standards and ADA standards.

Municipal water exists from Quicksilver Street (approximately 650 feet west of TH 47) to Nowthen Boulevard. Sanitary sewer does not exist in the project area. The City's 2040 Comprehensive Plan identifies a future MUSA Study Area for extending a trunk sewer line to the 167th Avenue/Saint Francis Boulevard land use node. Staff

does not propose to extend sanitary sewer as part of the 167th Avenue Reconstruction. Currently, the northeast quadrant of Nowthen Boulevard and 167th Avenue includes the only MUSA property along the proposed improvements. This quadrant can be served from the sanitary sewer line extended south as part of the Brookside Elementary School project. If sanitary sewer was ever needed along 167th Avenue, it could be installed by directional drilling in the future.

The majority of the project is rural section, and stormwater runoff is handled through drainage swales and culverts along both sides of the road. The urban section just west of TH 47 does include storm sewer inlet structures and piping. Staff will evaluate the condition of the swales, culverts, and storm sewer inlets during project design. Staff is aware some re-grading of the swales adjacent to Quicksilver Street on the north side of 167th Avenue will be required.

Estimated project costs per the 2022 – 2031 CIP are \$1,492,260. These costs do not reflect the increased construction costs Staff has observed during 2022 due to inflation in the construction industry. Preliminary work on the 2023 – 2032 CIP has begun internally, including updating project costs. A more appropriate estimated cost for the work is \$1,848,000. This does not include the cost for an additional bicycle / pedestrian facility, or any municipal utility extensions. Staff proposes to develop plans and specifications in-house as part of their normal duties.

The street improvements proposed with this project are identified in the City’s current 10-year CIP, and can be funded using a combination of MSA Funds and Storm Water Utility Funds. This project would best be constructed as a stand-alone project and is necessary, feasible, and cost-effective from an engineering standpoint, and can be constructed as proposed herein.

The proposed improvements are designated as City Improvement Project #23-04, 167th Avenue Reconstruction.

**Notification:**

Notifications are not required for this case.

**Observations/Alternatives:**

Motion to adopt Resolution #22-201 Ordering Plans and Specifications for Improvement Project #23-04, 167th Avenue Reconstruction.

**Funding Source:**

Funding for this improvement is proposed to come from the MSA Fund, and Storm Water Utility Fund.

- (MSA) Street Project Cost      \$1,680,000
- Storm Sewer Project Cost      \$ 168,000
- **Total Estimated Project Cost \$1,848,000**

**Recommendation:**

Staff recommends adopting Resolution #22-201 ordering plans and specifications for improvement project #23-04, 167th Avenue Reconstruction.

**Action:**

Adopt Resolution #22-201 ordering plans and specifications for improvement project #23-04, 167th Avenue Reconstruction.

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**Attachments**

23-04 Street Summary  
CIP Sheet - 167th Avenue Reconstruction  
23-04 Project Scope

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**Form Review**

**Inbox**

Bruce Westby

Brian Hagen

Form Started By: Joe Feriancek

Final Approval Date: 08/18/2022

**Reviewed By**

Bruce Westby

Brian Hagen

**Date**

08/18/2022 11:12 AM

08/18/2022 02:33 PM

Started On: 08/17/2022 11:49 AM

Councilmember Heineman introduced the following resolution and moved for its adoption:

**RESOLUTION #22-201**

**RESOLUTION ORDERING PLANS AND SPECIFICATIONS FOR 167<sup>TH</sup> AVENUE RECONSTRUCTION, IMPROVEMENT PROJECT #23-04**

**WHEREAS**, the City of Ramsey Proposes to reconstruct 167<sup>th</sup> Avenue between Nowthen Boulevard and Trunk Highway 47 in 2023 as identified within the 2022-2031 10-Year Capital Improvement Program: and

**WHEREAS**, pursuant to Ramsey City Council resolution #22-130, adopted June 14<sup>th</sup>, 2022, the City Council accepted and awarded the proposal to Bolten & Menk, Inc., for Topographic Survey of the project area; and

**WHEREAS**, City staff has received and reviewed the Topographic Survey and has the capacity to prepare plans and specifications for improvement project #23-04, 167<sup>th</sup> Avenue Reconstruction.

**NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA:**

- 1) The Ramsey City Council hereby orders the City Engineer to prepare plans and specifications for Improvement Project #23-04, 167<sup>th</sup> Avenue Reconstruction.

The motion for the adoption of the foregoing resolution was duly seconded by Councilmember Specht, and upon vote being taken thereon, the following voted in favor thereof:

Mayor Kuzma  
Councilmember Heineman  
Councilmember Specht  
Councilmember Howell  
Councilmember Musgrove  
Councilmember Riley  
Councilmember Woestehoff

and the following voted against the same:

None

and the following abstained:

None

and the following were absent:

None

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this the 23rd day of August, 2022.

  
\_\_\_\_\_  
Mayor

**ATTEST:**

  
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City Clerk