



Legislation Text

File #: Res. 2019-026, **Version:** 1

City Council Meeting Date: March 19, 2018

To: Mayor and City Council
City Administrator

From: Sean Simonson, Engineering Manager
David E. Bennett, Public Works Director/City Engineer

Subject:

Consider Approving Plans and Specifications and Order Advertisement for Bids for the 2019 Street Reclamation Project.

Action Requested:

The City Council consider approval of the attached Resolution approving the plans and specifications and authorizing the advertisement for bids for the 2019 Street Reclamation Project (2019STRT-A42).

Summary Report:

The City Council is asked to pass a resolution approving the plans and specifications and authorizing the advertisement for bids for the 2019 Street Reclamation Project (2019STRT-A42). This project includes the following streets (Attachment 2):

- Blue Stem Court
- Covey Court
- Eklund Court
- Grundhoefer Court
- Hackerson Court
- Kimble Court
- Nelson Court
- Simione Court
- Wilson Court
- Zanmiller Drive from Meldahl Lane to Gill Lane
- Gill Lane from Zanmiller Drive to Lockwood Drive
- Lockwood Drive from Meldahl Lane to Gill Lane
- Orchard Street from Third Street to Fifth Street
- Plum Street from Third Street to Fifth Street
- Poplar Street from Fourth Street to Fifth Street
- Forest Avenue from Lincoln Street to Fifth Street
- Forest Avenue Loop
- Third Street from Railroad Tracks to Forest Avenue

- Fourth Street from Odd Fellows Lane to Poplar Street

The action requested is the next required step to move this project forward - consistent with Chapter 429 of the Minnesota Statutes. To date, the City Council has moved this project forward with the actions shown on the project process (Attachment 3). The plans and specifications will be available on the City's website. The project will be advertised for a minimum of 21 days as required by Minnesota Statutes Chapter 429. The project will be advertised in the *Northfield News* and on MnDOT's e-Advert site. Staff is proposing to open bids at 2:00 p.m. on April 25, 2019. Results will be reviewed, tabulated and then presented to the City Council on May 7, 2019 with a recommendation to award the project. Construction is anticipated to begin in May.

Staff is recommending the City Council approve the attached resolution and authorize the advertisement for bids for the 2019 Street Reclamation Project.

City staff held a neighborhood meeting to review the plans on March 13, 2019. At the meeting, residents could review impacts to their property, project phasing, and draft assessment amounts. The meeting went well with the attendees and they are ready for the improvement project to begin. Questions did arise about adding more bumpouts on Third Street, and questions about paying equal assessment amounts due to equal utilization of the road by residents. City staff will meet again with all property owners after the City has a contractor onboard. At this point, the City would have a more solidified contractor schedule for distribution.

Proposed Improvements

Streets

All street segments proposed in the 2019 Street Reclamation Project are classified as "Local" streets in the current Comprehensive Plan, with the exception of Lockwood Drive, which is classified as an "Urban Collector". Soil borings have been completed, and it has been confirmed that the existing roads have sufficient existing gravel base to complete a full-depth reclamation on all segments. The generated material from the reclamation process will then be re-graded and re-compacted to provide a new granular base for the street segments. The streets will then be paved with bituminous asphalt. Curb and gutter spot repairs will be performed as needed to provide positive drainage for the new street surface.

Sidewalk and Pedestrian Improvements

In addition to the street improvements in this area, there are also sidewalk improvements planned as a result of a Safe Routes to School (SRTS) Study completed in 2009. The City received a grant to complete a study that analyzed the barriers to K-8 students walking and biking to school. The report was adopted by the City Council at the February 16, 2010 meeting. The goal was to incorporate these improvements with future CIP projects. New sidewalk (SRTS) is planned to be installed on Zanmiller Drive from Meldahl Lane to Gill Lane.

In addition to the above-mentioned SRTS sidewalk installations, sidewalks are also proposed on Armstrong Road/Forest Avenue (From TH 19 to Lincoln Street S), Fourth Street (from Odd Fellows Lane to Poplar Street), Orchard Street (south of Fourth Street W), and Plum Street (south of Fourth Street W). Each improvement will connect important portions of the pedestrian system with existing sidewalk locations.

There are no sidewalks existing in these areas, so there are some tree and landscaping removals to accommodate the new walk. The design was adjusted to minimize these removals as much as possible. In addition to new sidewalk installations, spot repairs and ADA (American's with Disabilities Act) improvements

will be made on the existing sidewalks and pedestrian ramps already in-place.

Improvements to the railroad crossing on Third Street need to be completed in order to improve pedestrian safety. ADA compliant pedestrian ramps will be installed on each side of the railroad to provide a proper landing area for pedestrian travelers.

It should also be noted that the City's Master Bike & Pedestrian Plan does call for shared use lanes on Fourth Street, Orchard Street, Armstrong Road/Forest Avenue, and Lockwood Drive. These lanes will accommodate bicycle traffic along with vehicular traffic. These lanes will be indicated with appropriate pavement striping.

Sanitary Sewer and Storm Sewer

Minor repairs to the sanitary sewer will be performed as indicated in the Feasibility Report. The majority of the repairs made are related to upgrading facilities to the current City Standards. Storm sewer repairs are also proposed to be minimal. Rehabilitation of existing structures and the replacement of a few structures are planned.

Watermain

Improvements to the public water system are required as part of this project to continue with the City's comprehensive plan. All new watermain will be installed using Ductile Iron Pipe (DIP). Proposed water system improvements in the project area include replacing the existing 4-inch watermain on Orchard Street (Fourth Street to Fifth Street) and Fourth Street (Orchard Street to Plum Street) with a new 8-inch watermain to supply proper capacity for future development and fire suppression needs. This diameter watermain is the standard for small diameter watermain installation. Another improvement to the water system includes installing an 8-inch watermain on Plum Street (4th Street to 5th Street) to connect the missing watermain system loop. Lastly, the existing 8-inch watermain on Third Street (Odd Fellows Lane to Orchard Street) will be replaced with a 12-inch watermain to support future capacity needs outlined in the City's comprehensive plan.

The water service lines to individual residences are also proposed for replacement with 1-inch copper lines as a part of the project. These replacements would be from the new watermain to the property lines. This process would include the replacement of the curb stop and box. Additional replacement of individual water service lines from the property line to the existing building may also be included as needed and in cooperation with the homeowner. The extra cost for these replacements will be paid by the homeowner and can be added to their primary project assessment.

Third Street Corridor

Staff held an Open House on February 4, 2019 to gather input on the proposed Third Street Corridor. This open house was a noticed meeting requesting comments from the community as well as the adjacent property owners on the Third Street Corridor. From that meeting, Staff, along with Bolton and Menk, generated two design options for the Third Street Corridor. These design options were posted on the Project Website for an open comment period from February 20, 2019 to February 27, 2019. Staff compiled comments from the Open House and the open comment period, and derived two design concepts for the Third Street corridor.

City Council approved Motion 19-741 which approved the Third Street Concept (Attachment 5) at the March 5, 2019 City Council Meeting. This concept includes the following amenities:

- Medians for future Quiet Zone conversion
- Decorative Pavement

- Pedestrian Level Lighting
- Sculpture Plaza
- Intersection Bumpout Construction (Linden Street, Poplar Street, Plum Street, Orchard Street)
- Limestone Seat Walls
- Curbside Drop-off at the NAG Building
- Landscape Plantings
- Overstory and Ornamental Trees

Alternative Options:

The City Council could delay this project; however, the road and utility systems will continue to deteriorate and will require significant maintenance in order to provide a marginal condition for traffic.

Financial Impacts:

Below are the estimated total project costs, and the estimated total project funding.

ESTIMATED TOTAL PROJECT COSTS	
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Street	\$2,450,128
Storm Sewer	\$107,705
Sanitary Sewer	\$14,800
Watermain	\$218,975
<i>Subtotal</i>	<i>\$2,791,608</i>
<i>Art (1%)</i>	<i>\$27,916</i>
<i>Subtotal with Art</i>	<i>\$2,819,524</i>
Contingency (10%)	\$281,952
<i>Construction Total</i>	<i>\$3,101,476</i>
<i>Overhead (15%)</i>	<i>\$465,221</i>
PROJECT COSTS	\$3,566,698

TOTAL PROJECT FUNDING	
FUNDING SOURCE	ESTIMATED FUNDING
Bonding	\$966,547
Assessments	\$802,914
Storm Fund	\$137,609
Sanitary Fund	\$18,909
Water Fund	\$279,773
MSA	\$1,360,945
TOTAL FUNDING	\$3,566,698

Tentative Timelines:

The bids will be received on April 25, 2019 with projected award on May 7, 2019. Construction would occur during the summer of 2019 with a completion date by October 25, 2019.