



COUNCIL WORK SESSION
Wednesday, November 4, 2015
6:30 p.m.
Coon Rapids City Center
Conference Room 1

Call to Order

Pursuant to Minnesota Statute 13D.04, subd. 2, the City Council will meet in work session to discuss the following:

1. Update on 2016 MSA Street Reconstruction Plan

Other Business

Adjourn



City Council Work Session

1.

Meeting Date: 11/04/2015

Subject: Update on 2016 MSA Street Reconstruction Plan

Submitted For: Tim Himmer, Public Works Director

From: Mark Hansen, Assistant City Engineer

INTRODUCTION

Staff requests an opportunity to update Council on the proposed 2016 MSA Street Reconstruction Plan. New information has been compiled since Council authorized the preparation of feasibility reports in August, which necessitates changes to the program planned for 2016.

DISCUSSION

Last April staff met with the City Council to discuss the possibility of focusing 2016 street reconstruction efforts exclusively on State Aid or collector streets. Staff at the time recommended approximately 9 miles of streets to be rehabilitated via reconstruction efforts in 2016. A map showing these proposed streets dated April 3, 2015 (Preliminary 2016 State Aid Recon Plan_040315.pdf) is attached for reference. It was discussed at the April 14 work session that additional street mileage may be able to be rehabilitated via mill & overlay methods based on results of a pavement coring analysis. Staff later performed the pavement coring analysis in June, and recommended at the August 18 Council meeting, the preparation of four feasibility reports for 2016 street reconstruction projects that included 10.6 miles of streets to be rehabilitated via a mixture of both reconstruction and mill & overlay methods. A map showing the streets recommended for rehabilitation last August (Planned 2016 State Aid Recon Plan_August 2015.pdf) is attached for Council's reference.

In early September, staff received the final geotechnical reports for each proposed street reconstruction project. The results of the geotechnical investigations indicated a much shorter life span should be expected by the City from a mill & overlay project than the pavement coring analysis had predicted, and recommended thicker pavement sections on a number of roadway segments designated for full depth reconstruction. Staff reviewed this information, and re-computed the cost estimates for the 2016 program. It was observed that the estimated costs exceeded the \$12 million bond amount targeted for total street reconstruction costs. In order to keep the project costs within the targeted bond amount, staff is now recommending a revised program that includes a total of 7.5 miles of state aid reconstruction. A map showing the streets recommended for reconstruction in 2016 is shown on the attached PDF noted as Revised 2016 MSA Street Recon Plan. Staff re-evaluated each street previously planned for rehabilitation, and selected streets for reconstruction in 2016 that were judged to be in the poorest condition.

The MSA financing plan discussed previously with Council involved bonding \$12 million in 2016 in order to increase the number of miles of state aid streets to be reconstructed. This plan assumed that no work would be done on MSA streets in 2017 and 2018. The revised plan would propose reconstruction of 1.4 miles of MSA streets in 2017 (121st Avenue, 101st Avenue, and Shenandoah Boulevard) and 1.6 miles of MSA streets in 2018 (Pheasant Ridge Drive, Crooked Lake Boulevard - North of Northdale

Boulevard, 131st Avenue, and Wedgewood Drive). Future segments planned for reconstruction beyond 2018 include Dogwood Street, Foley Boulevard, and Olive Street. The attached PDF labeled Future MSA Street Reconstruction Plan shows the specific locations and timeframes of these segments planned for reconstruction. The ongoing program would be funded by annual MSA allotments, as well as seeking yearly MSA allotment advances from MnDOT. Based on this revised plan, the City would realize the same amount of MSA mileage rehabilitated by the end of 2018 as the plan that was previously approved by Council.

The detailed project list for 2016 street reconstruction is recommended to be as follows:

Project 16-1

Reconstruction of Evergreen Blvd from 85th Ave to Cul-de-Sac.
Reconstruction of 93rd Avenue from Evergreen Blvd to Coon Rapids Blvd.
Reconstruction of 90th Avenue from Evergreen Blvd to Springbrook Drive.
Project will include watermain replacement on Evergreen Blvd (85th Ave to 93rd Ave) and 90th Ave.

Project 16-2

Reconstruction of Mississippi Blvd from Hanson Blvd to Coon Rapids Blvd.
Project will include watermain replacement from Hanson Blvd to 111th Ave.

Project 16-3

Reconstruction of Crooked Lake Blvd from 128th Ave to City Limit.
Reconstruction of 128th Ave from Crooked Lake Blvd to Coon Creek Blvd.
Reconstruction of Mississippi Drive from Round Lake Blvd to Pheasant Ridge Drive.
Reconstruction of Round Lake Blvd from Mississippi Drive to 115th Ave.

Project 16-4

Reconstruction of Egret Blvd from Kumquat St to University Ave.
Reconstruction of 113th Ave/Dogwood St/115th Ave from Foley Blvd to University Ave.
Reconstruction of Xeon St from 114th Ave to Northdale Blvd.
Project includes watermain replacement on Xeon Street.

RECOMMENDATION

Staff recommends Council approval of the revised street reconstruction program for 2016. Only MSA designated streets are planned for rehabilitation in 2016. Streets that were planned for rehabilitation in 2016, but can no longer be accommodated in the revised program due to increased costs, will be rehabilitated in 2017 and 2018.

BUDGET IMPACT:

The estimated cost for the revised 2016 MSA street reconstruction program is \$13.6 million. This is for street surface costs only, but does include a 20% contingency for design, inspection, and administration. Special assessments are anticipated to pay for approximately \$2 million worth of the project costs. The City will issue a \$12 million bond in 2016 to pay for the remaining portion of the street costs, while re-paying the bond principal and interest with future MSA allotments. Watermain, sanitary sewer, and storm sewer replacement costs would be paid for from enterprise funds 601, 620, and 640 respectively.

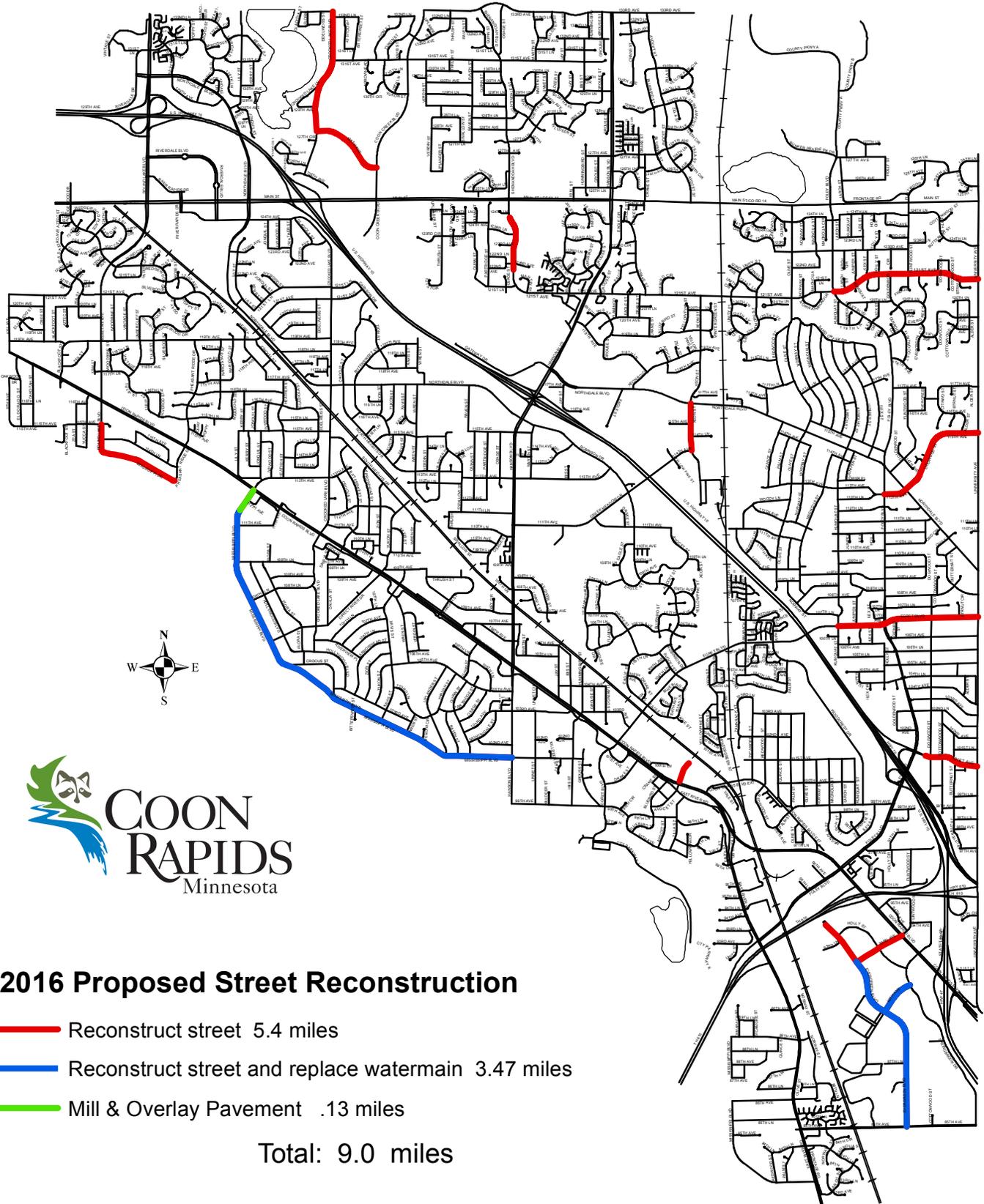
Attachments

Preliminary 2016 State Aid Recon Plan 040315

Planned 2016 State Aid Recon Plan August 2015

Revised 2016 MSA Street Recon Plan October 2015

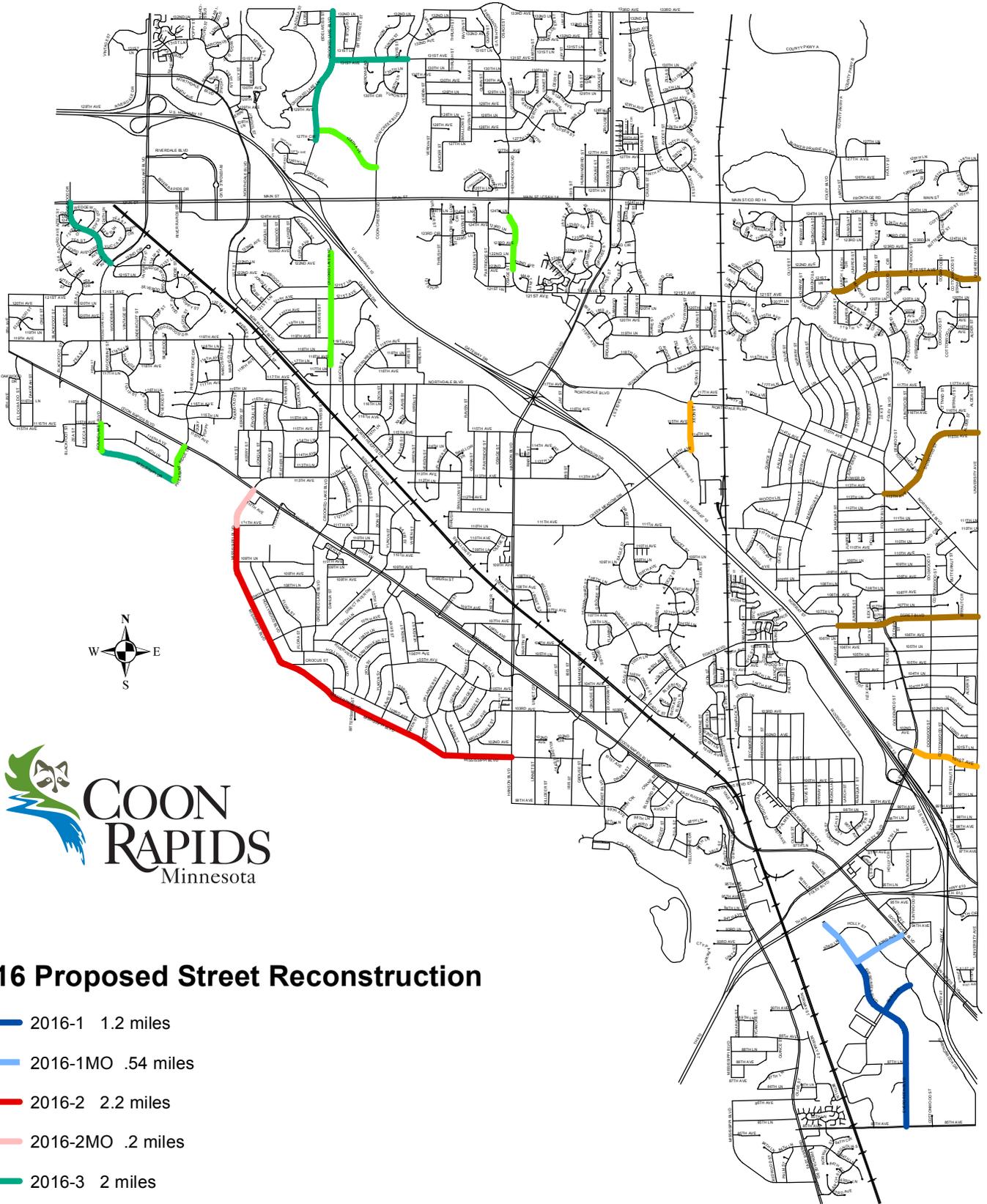
Future MSA Street Reconstruction Plan



2016 Proposed Street Reconstruction

- Reconstruct street 5.4 miles
- Reconstruct street and replace watermain 3.47 miles
- Mill & Overlay Pavement .13 miles

Total: 9.0 miles



2016 Proposed Street Reconstruction

- 2016-1 1.2 miles
- 2016-1MO .54 miles
- 2016-2 2.2 miles
- 2016-2MO .2 miles
- 2016-3 2 miles
- 2016-3MO 1.65 miles
- 2016-4 2.25 miles
- 2016-4MO .6 miles

Total: 10.64 miles

Date: 7/9/2015



2016 Proposed Street Reconstruction

— Streets to be Reconstructed 7.5 miles



2017-2020 Proposed State Aid Reconstruction

MSA Reconstruct Year

- 2017-2 1.41 miles
- 2018-2 1.61 miles
- 2019-2 1.25 miles
- 2020-2 1.57 miles