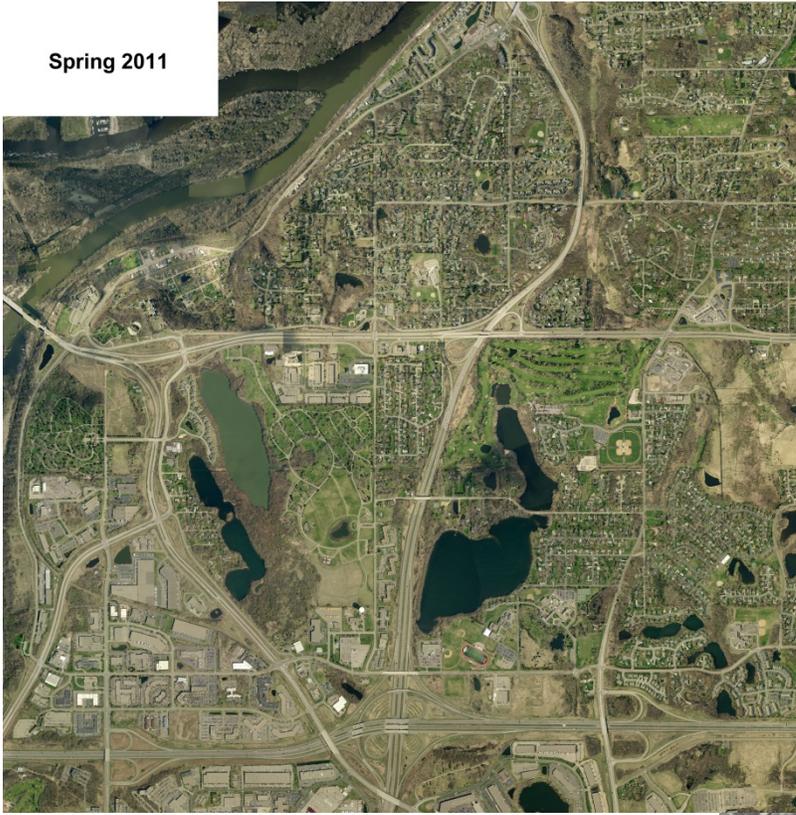


Spring 2011

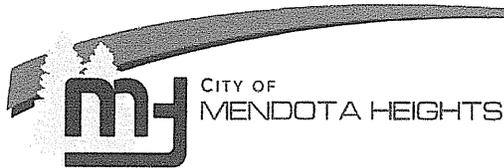


2013 – 2017 Street Improvement Plan

Approved December 18, 2012



**City of
Mendota Heights**



December 13, 2012

To the Honorable Mayor and City Council Members:

The purpose of the Street Improvement Plan (SIP) is to provide a long range improvement plan to meet the needs of our community. The SIP provides policy makers and the community with a strategic approach to the implementation and administration of improvement projects. Decisions about improving the city's infrastructure must be made not only on the basis of need, but also on the basis of availability of resources, and the long-term impact on the community. The Street Improvement Plan identifies the city's infrastructure, development objectives and allocation of financial resources.

The 2013-2017 Street Improvement Plan represents an excellent planning tool and provides for approximately \$19.5 million of infrastructure improvements during the next five years. While the improvements in the proposed Street Improvement Plan are not "written in stone" they do provide a framework for allocating personnel and finances. The total project costs used in the SIP are rough estimates using 2012 dollar amounts, which will be refined during the budget, feasibility study and bidding process for each project. The improvement projects outlined in the SIP are designed to meet the city's infrastructure needs and provide a safe environment for the community.

The following projects we added/changed in the 2013-2017 SIP:

- Added: Brompton/Winston Water Main Replacement (2017)
- Added: Wesley Neighborhood Rehabilitation (2017)
- Added: South Plaza Drive Rehabilitation (2017)
- Added: Street Sweeping, Pavement Markings, Street Crack Sealing and Seal Coating (2017)
- Removed: Sylvandale Road Neighborhood Rehabilitation. The Sylvandale Road Neighborhood Rehabilitation was identified as a 2016 project in the 2012-2016 SIP. Staff recommends delaying the project to 2018 based on the pavement conditions of other streets that need more repairs. This project is anticipated to be added to the 2014-2018 SIP.

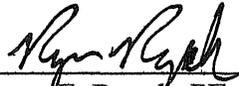
Respectfully submitted,

A handwritten signature in black ink, appearing to read 'John R. Mazzitello', is written over a horizontal line.

John R. Mazzitello, PE, PMP
Public Works Director/City Engineer

Certification

I hereby certify that this report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.



Ryan E. Ruzek, PE
Reg. No. 44990

12/13/12
Date



Michael J. Albers, PE
Reg. No. 47074

12/13/12
Date

Quality Control Review By:



John R. Mazzitello, PE, PMP
Reg. No. 44254

12/13/12
Date

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SIP OVERVIEW

Street Improvement Plan (SIP)

The Street Improvement Plan (SIP) is a planning tool that forecasts the city's needs over a five year period based on city-adopted long-range plans, goals and policies. The SIP includes detailed descriptions of street improvement projects the city anticipates to initiate during the five-year period. The SIP is updated annually to ensure consistency and the reflection of changing demands and financial resources.

SIP Goals

The goals of the SIP are to:

- Provide a balanced program for street improvements given anticipated funding revenues over a five-year planning period.
- Enable the Mendota Heights City Council to evaluate the needs of the entire city objectively.
- Anticipate needed street improvements in advance, rather than being overlooked until critically needed.
- Provide a plan for street improvements that can be used in preparing the budget for the coming fiscal year.

Project Details

The street improvement projects being reported in the SIP will be shown within the following sections:

- Street Reconstruction
- Street Rehabilitation
- Municipal State Aid
- Preventative Maintenance

Street Reconstruction

A street reconstruction project will be defined as a project whereby many or all meaningful elements of an existing street are being removed and replaced. This would include curb and gutter, trails, bituminous or concrete pavement, aggregate base and items appurtenant to these elements.

There are approximately 6 miles of streets in the City of Mendota Heights that have no curb and gutter. It has been the policy of the city that streets will be reconstructed with curb & gutter to maximize the life of the pavement surface, promote a uniform and standard appearance across the city, increase public safety, increase the efficiency of snow removal, and to capture and treat storm water prior to discharging into area water bodies. Typically, the City of Mendota Heights completes one street reconstruction project a year.

Street Rehabilitation

A street rehabilitation project will be defined as a project in which one or more of the meaningful elements are modified or supplemented in-place, to restore the serviceability of the existing street (i.e. bituminous overlays or pavement replacement).

The City of Mendota Heights maintains approximately 71.5 miles of public streets. As the street infrastructure ages, it requires preservation/rehabilitation to protect or extend its useful life. If the street infrastructure is not preserved, it will deteriorate prematurely and its benefit to the community will be lost. In addition, reconstruction costs are frequently four to five times the cost of preservation/rehabilitation and maintenance. As a result, the SIP reflects the broad direction of the City Council to preserve existing streets and infrastructure before they fall into such disrepair that expensive reconstruction is required. Typically, the City of Mendota Heights completes one street rehabilitation project a year.

Municipal State Aid (MSA)

The Minnesota Department of Transportation (MnDOT) provides funding assistance for improvements to those municipal streets which are designated as part of its MSA system. Money for this fund is supplied with a dedicated portion of revenues collected from road use and gasoline taxes. Funds are released for improvements on those streets on the system whose design and construction meet MSA standards. Funds may be expended for any street on the MSA system at any time, and MSA funds may be accumulated over several years.

The City of Mendota Heights maintains approximately 15.1 miles of streets that are designated Minnesota State Aid (MSA). Typically, the City of Mendota Heights completes MSA projects as funding is available.

Preventative Maintenance

Preventative maintenance includes activities such as snow removal, crack sealing, seal coating, street patching, street striping and street sweeping. Street maintenance activities are funded through the city's general fund.

Street Sweeping

Street sweeping provides two primary benefits to the city. The more obvious benefit is the collection and removal of paper, leaves, and other visible debris that collect in the gutters. In addition to being unsightly, this debris can block the catch basins and other storm water facilities, causing localized flooding during heavy rains. An equally important, but less visible benefit is the removal of pollutants and other hazardous waste products left by passing vehicles. Although they are virtually invisible, these particles can be extremely harmful to the fish and other wildlife, if they reach our creeks and lakes. Bi-annual sweeping is recommended for storm water quality.

Street crack sealing and seal coating

Seal coating is the process of distributing bituminous oil, or liquid asphalt, on the street surface and then covering it with small rock chips. After the rock has been allowed to work into the oil, the excess rock is swept up and the seal coat provides the street with a new water proof surface and uniform look. Prior to seal coating, the city cleans and fills pot holes and cracks, and thoroughly sweeps the streets.

There are two main reasons for seal coating streets. The first reason to seal coat streets is to seal the bituminous surface against the elements. The older a bituminous surface gets, the more porous it becomes. This is due to the wearing away of the surface due to sunlight, rain, snow, ice and traffic. As the bituminous surface becomes more porous due to these factors it becomes more vulnerable to deterioration and can form potholes. Potholes are formed when water seeps into the cracked pavement, expands and displaces the ground under the bituminous pavement. As the temperatures rise, the ground returns to normal but the pavement often remains raised creating a gap. When a vehicle drives over the raised pavement and gap, the pavement surface cracks and falls into the hollow space leading to a pothole. One method of avoiding this result is to routinely seal coat the streets to keep the water out. Streets are recommended to be seal coated 5 years after their initial construction or reconstruction and then again 13 years after their construction or reconstruction.

The second reason to seal coat streets with a hard material like granite is to coat the surface with a wear resistant material. This not only minimizes damage done by normal traffic wear, but it also protects our streets from damage that might be done by routine snowplowing. Consequently seal coating does not add strength to the street; therefore, it is not used on older streets that need other type of repair such as overlaying or total reconstruction.

Project Financing

The 2013-2017 Street Improvement Plan which is detailed on the following pages is financed from a variety of sources. The purpose of this section is to describe and analyze these sources, in as much detail as possible, so that the users of this SIP can be certain that the program as outlined can be financed from available funding sources.

Municipal State Aid (MSA) Fund

The Minnesota Department of Transportation (MnDOT) provides funding assistance for improvements to those municipal streets which are designated as part of its MSA system. The City of Mendota Heights receives an annual allotment of approximately \$372,831 from the State of Minnesota Municipal State Aid Street Construction Account.

The Municipal State Aid rules allow cities, subject to MnDOT approval, to request advanced funding for municipal state aid eligible projects from any municipal state aid funds available, provided that the amount of the advances do not exceed the city's total estimated apportionment for the three years following the advance.

Sanitary Sewer Utility Fund

This fund receives revenue from the utility billing for sanitary sewer. It also is responsible for any expenses relating to the sanitary sewer system.

Storm Water Utility Fund

This fund receives revenue from the utility billings and is responsible for the expenses related to maintaining the city's storm water system.

Water Revenue Fund

This fund accumulates the water surcharges the city receives from St Paul Regional Water Services. These funds are used for any city expenses that are incurred relating to the city's water system and water tower.

Special Assessments

The City of Mendota Heights Street Rehabilitation and Reconstruction Assessment Policy approved in June 1992 states that the city will be responsible for financing up to 50% of street reconstruction and rehabilitation projects with the property owner being assessed for the remaining.

City Funding (Municipal Bond Sales)

Since it often takes several years for the city to collect special assessments, the city typically issues bonds for the remaining improvement costs for cash flow purposes. The bond payments relating to street improvement projects are then levied. If there are project costs relating to the above mentioned fund sources, the amount of bonds to be issued can be reduced by monies received from any of those funds.

Transportation Facilities

Improvements totaling approximately \$19.5 million are planned for the 2013-2017 SIP. Highlights of the planned projects are as follows:

Street Reconstruction Projects:

- 2013: Hunter Lane Neighborhood Improvements
- 2014: Victoria Road Improvements
- 2015: Mendota Road Neighborhood Improvements
- 2016: Friendly Hills Water Main Replacement
- 2017: Brompton/Winston Water Main Replacement

Street Rehabilitation Projects:

- 2013: Crown Point Drive Neighborhood Rehabilitation
- 2013: Glenhill Road Neighborhood Rehabilitation
- 2013: Overlook Road Neighborhood Rehabilitation
- 2014: Centre Pointe & Commerce Drive Rehabilitation
- 2015: Walsh Lane Neighborhood Rehabilitation
- 2015: Mendota Heights Road Rehabilitation 2
- 2016: Marie Avenue Rehabilitation 2
- 2017: Wesley Neighborhood Rehabilitation
- 2017: South Plaza Drive Rehabilitation

MSA Projects:

- 2013: Pedestrian Improvements at Dodd Rd. and Hwy 110
- 2013: Trail Improvements
- 2014: Victoria Road Improvements
- 2015: Mendota Heights Road Rehabilitation 2
- 2015: Mendota Road Neighborhood Improvements
- 2016: Marie Avenue Rehabilitation 2

Preventative Maintenance Projects:

- Annual Street Crack Sealing and Seal Coating
- Annual Pavement Markings
- Annual Street Sweeping

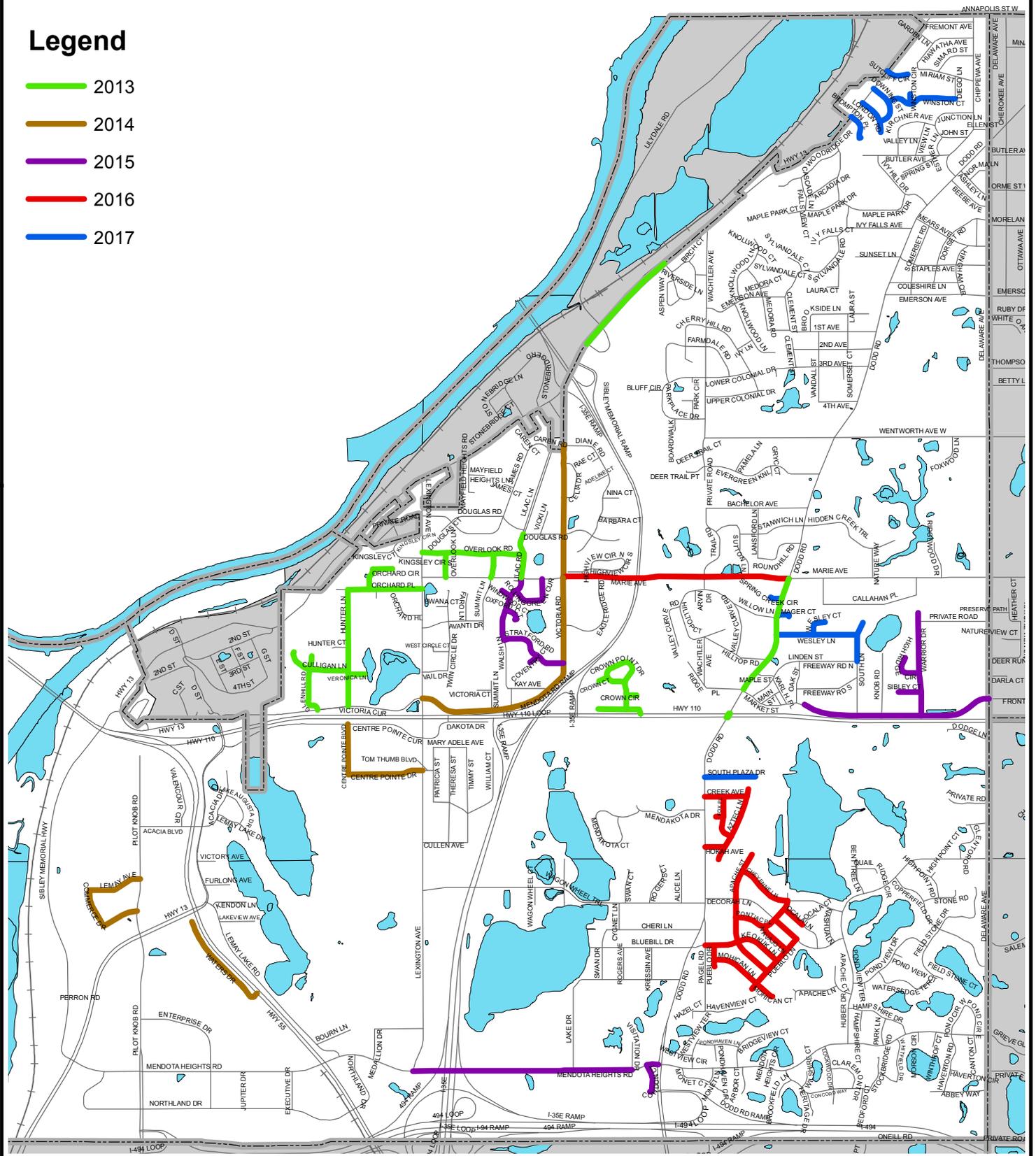
Street Improvement Plan 2013-2017 Projects - 5 Year Plan

December 13, 2012



Legend

- 2013
- 2014
- 2015
- 2016
- 2017



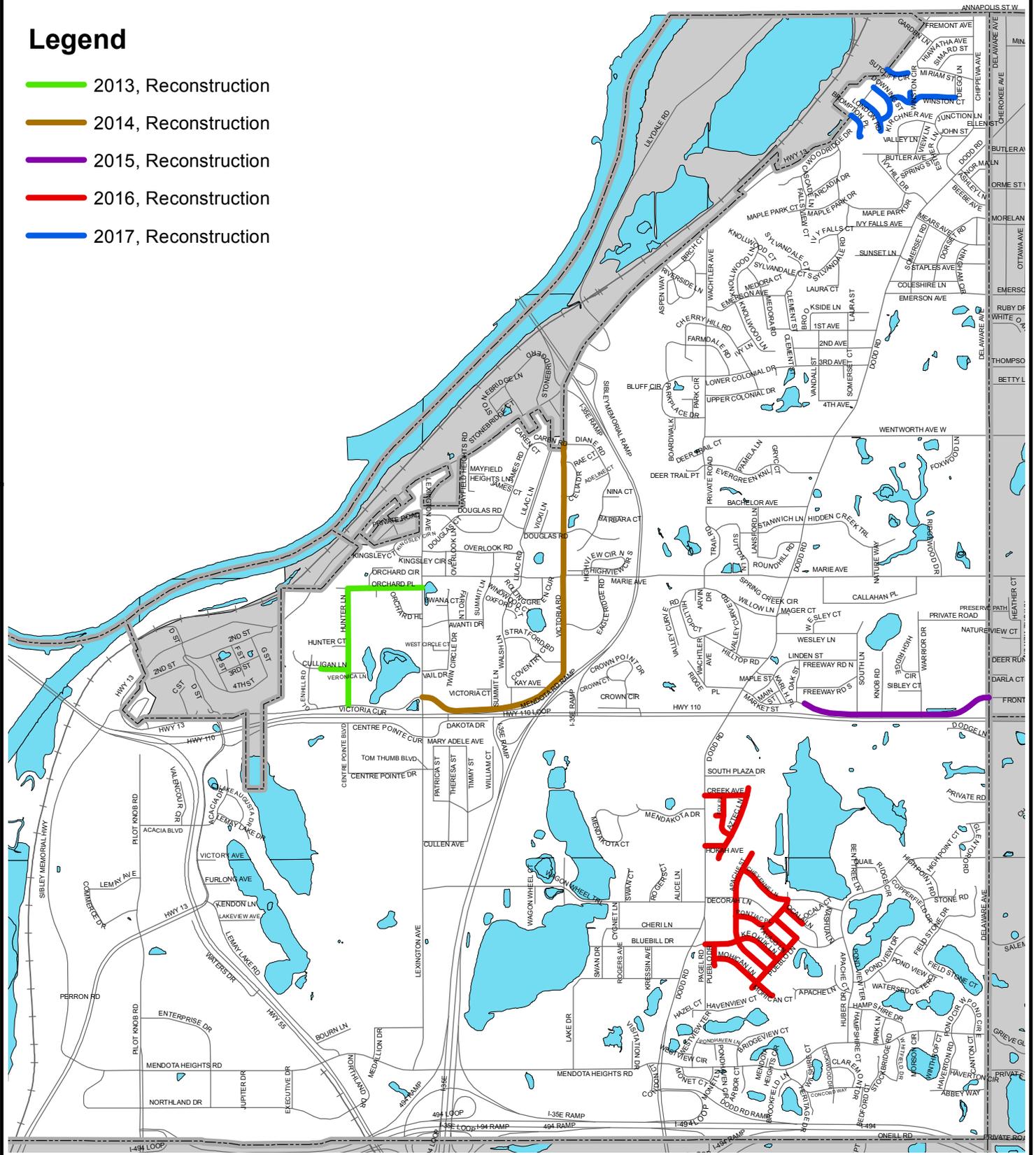
Street Improvement Plan 2013-2017 Reconstruction Projects

December 13, 2012



Legend

- 2013, Reconstruction
- 2014, Reconstruction
- 2015, Reconstruction
- 2016, Reconstruction
- 2017, Reconstruction



Street Improvement Plan 2013-2017 Rehabilitation Projects

December 13, 2012



0 2,500



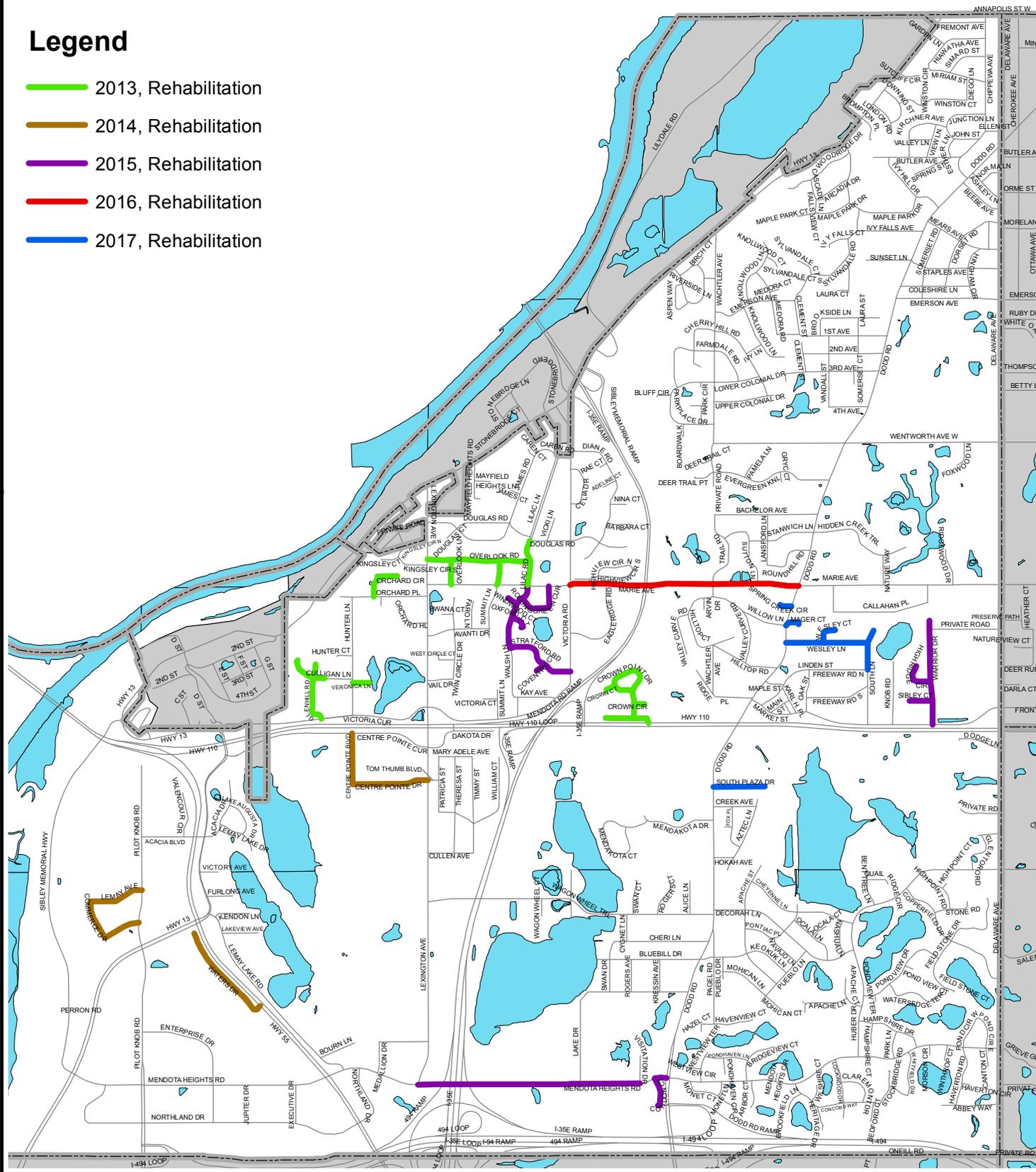
SCALE IN FEET



City of
Mendota
Heights

Legend

- 2013, Rehabilitation
- 2014, Rehabilitation
- 2015, Rehabilitation
- 2016, Rehabilitation
- 2017, Rehabilitation



Street Improvement Plan 2013-2017 Municipal State Aid (MSA) Projects

December 13, 2012



0 2,500



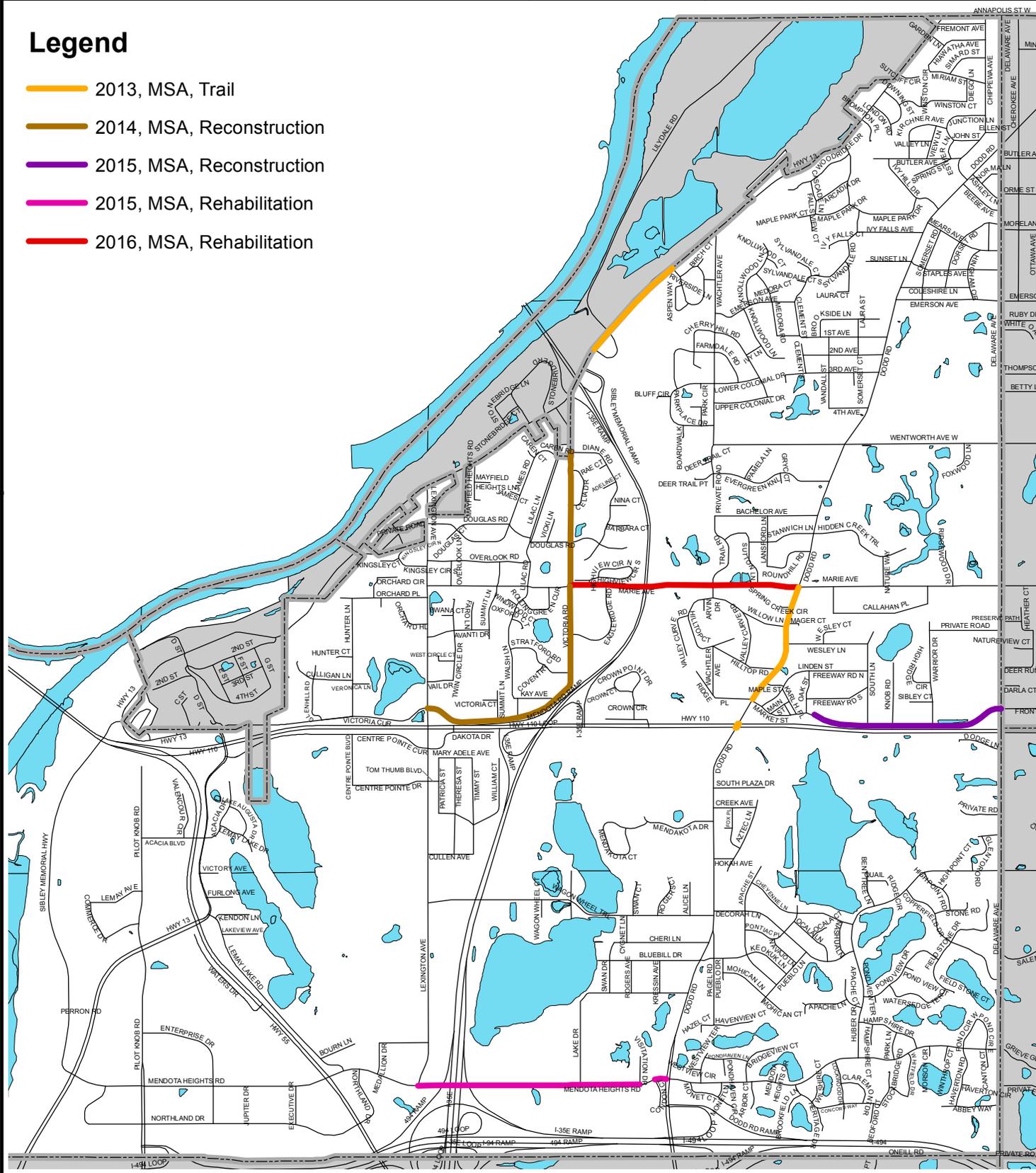
SCALE IN FEET



City of
Mendota
Heights

Legend

- 2013, MSA, Trail
- 2014, MSA, Reconstruction
- 2015, MSA, Reconstruction
- 2015, MSA, Rehabilitation
- 2016, MSA, Rehabilitation



Street Improvement Plan 2013-2017

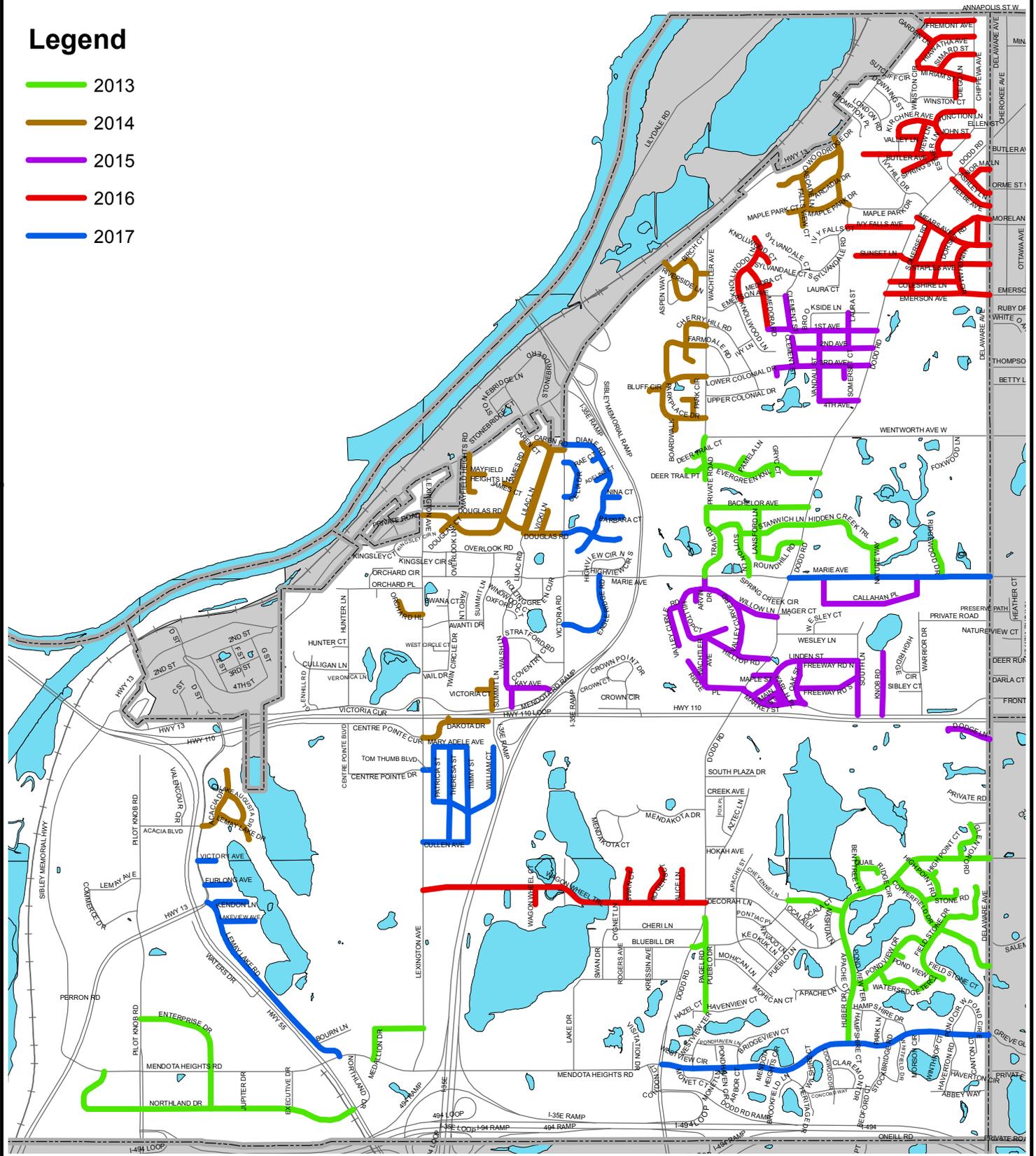
Preventative Maintenance: Seal Coating Projects

December 13, 2012



Legend

- 2013
- 2014
- 2015
- 2016
- 2017





STREET IMPROVEMENT PLAN 2013-2017

CITY OF MENDOTA HEIGHTS

SUMMARY OF PROJECT COSTS AND FUNDING SOURCES

Project Name	Proj. #	2013	2014	2015	2016	2017	Total
Victoria Road Improvements	103	\$0	\$2,761,000	\$0	\$0	\$0	\$2,761,000
Hunter Lane Neighborhood Improvements	104	\$1,756,000	\$0	\$0	\$0	\$0	\$1,756,000
Mendota Road Neighborhood Improvements	105	\$0	\$0	\$1,755,000	\$0	\$0	\$1,755,000
Friendly Hills Water Main Replacement	106	\$0	\$0	\$0	\$4,205,000	\$0	\$4,205,000
Brompton/Winston Water Main Replacement	107	\$0	\$0	\$0	\$0	\$1,271,000	\$1,271,000
Centre Pointe & Commerce Drive Rehabilitation	203	\$0	\$1,232,000	\$0	\$0	\$0	\$1,232,000
Glenhill Road Neighborhood Rehabilitation	204	\$393,000	\$0	\$0	\$0	\$0	\$393,000
Sylvandale Road Neighborhood Rehabilitation	205	\$0	\$0	\$0	\$0	\$0	\$0
Crown Point Drive Neighborhood Rehabilitation	206	\$408,200	\$0	\$0	\$0	\$0	\$408,200
Overlook Road Neighborhood Rehabilitation	207	\$499,000	\$0	\$0	\$0	\$0	\$499,000
Walsh Lane Neighborhood Rehabilitation	208	\$0	\$0	\$677,000	\$0	\$0	\$677,000
Wesley Neighborhood Rehabilitation	209	\$0	\$0	\$0	\$0	\$517,000	\$517,000
South Plaza Drive Rehabilitation	210	\$0	\$0	\$0	\$0	\$244,000	\$244,000
Trail Improvements	304	\$454,000	\$0	\$0	\$0	\$0	\$454,000
Pedestrian Improvements at Dodd Rd. and Hwy 110	305	\$740,000	\$0	\$0	\$0	\$0	\$740,000
Marie Avenue Rehabilitation 2	306	\$0	\$0	\$0	\$911,000	\$0	\$911,000
Mendota Heights Road Rehabilitation 2	307	\$0	\$0	\$520,000	\$0	\$0	\$520,000
Annual Street Crack Sealing and Seal Coating	401	\$303,900	\$174,000	\$198,500	\$194,000	\$198,500	\$1,068,900
Annual Pavement Markings	402	\$17,000	\$17,000	\$17,000	\$17,000	\$17,000	\$85,000
Annual Street Sweeping	403	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$100,000
Total		\$4,591,100	\$4,204,000	\$3,187,500	\$5,347,000	\$2,267,500	\$19,597,100

Funding Sources	2013	2014	2015	2016	2017	Total
Municipal Bond Sales	\$1,645,900	\$1,805,200	\$1,514,100	\$1,826,800	\$911,300	\$7,703,300
Municipal State Aid Fund	\$397,000	\$400,000	\$398,000	\$330,000	\$0	\$1,525,000
Other Government Unit Funding	\$978,900	\$206,000	\$230,500	\$226,000	\$230,500	\$1,871,900
Sanitary Sewer Utility Fund	\$0	\$0	\$0	\$0	\$0	\$0
Special Assessments	\$836,300	\$1,116,300	\$793,900	\$944,200	\$597,700	\$4,288,400
Storm Water Utility Fund	\$254,000	\$577,000	\$213,000	\$5,000	\$5,000	\$1,054,000
Water Revenue Fund	\$479,000	\$99,500	\$38,000	\$2,015,000	\$523,000	\$3,154,500
Total	\$4,591,100	\$4,204,000	\$3,187,500	\$5,347,000	\$2,267,500	\$19,597,100



STREET IMPROVEMENT PLAN 2013-2017

CITY OF MENDOTA HEIGHTS

MUNICIPAL STATE AID (MSA) STREET FUND

Available Balance (10/21/2012) \$647,177
 Anticipated 2012 Expenditures \$134,450
Total Available (12/31/2012) \$512,727

Revenue	2013	2014	2015	2016	2017
Cash Balance	\$512,727	\$488,558	\$461,389	\$436,220	\$479,051
Annual Construction Allotment From State	\$372,831	\$372,831	\$372,831	\$372,831	\$372,831
Total Revenue	\$885,558	\$861,389	\$834,220	\$809,051	\$851,882

Expenditures	Proj. #	2013	2014	2015	2016	2017
Victoria Road Improvements	103	\$0	\$400,000	\$0	\$0	\$0
Hunter Lane Neighborhood Improvements	104	\$0	\$0	\$0	\$0	\$0
Mendota Road Neighborhood Improvements	105	\$0	\$0	\$250,000	\$0	\$0
Friendly Hills Water Main Replacement	106	\$0	\$0	\$0	\$0	\$0
Brompton/Winston Water Main Replacement	107	\$0	\$0	\$0	\$0	\$0
Centre Pointe & Commerce Drive Rehabilitation	203	\$0	\$0	\$0	\$0	\$0
Glenhill Road Neighborhood Rehabilitation	204	\$0	\$0	\$0	\$0	\$0
Sylvandale Road Neighborhood Rehabilitation	205	\$0	\$0	\$0	\$0	\$0
Crown Point Drive Neighborhood Rehabilitation	206	\$0	\$0	\$0	\$0	\$0
Overlook Road Neighborhood Rehabilitation	207	\$0	\$0	\$0	\$0	\$0
Walsh Lane Neighborhood Rehabilitation	208	\$0	\$0	\$0	\$0	\$0
Wesley Neighborhood Rehabilitation	209	\$0	\$0	\$0	\$0	\$0
South Plaza Drive Rehabilitation	210	\$0	\$0	\$0	\$0	\$0
Trail Improvements	304	\$150,000	\$0	\$0	\$0	\$0
Pedestrian Improvements at Dodd Rd. and Hwy 110	305	\$247,000	\$0	\$0	\$0	\$0
Marie Avenue Rehabilitation 2	306	\$0	\$0	\$0	\$330,000	\$0
Mendota Heights Road Rehabilitation 2	307	\$0	\$0	\$148,000	\$0	\$0
Annual Street Crack Sealing and Seal Coating	401	\$0	\$0	\$0	\$0	\$0
Annual Pavement Markings	402	\$0	\$0	\$0	\$0	\$0
Annual Street Sweeping	403	\$0	\$0	\$0	\$0	\$0
Total Expenditures		\$397,000	\$400,000	\$398,000	\$330,000	\$0

Unreserved Cash Balance (12/31) **\$488,558** **\$461,389** **\$436,220** **\$479,051** **\$851,882**



STREET IMPROVEMENT PLAN 2013-2017

CITY OF MENDOTA HEIGHTS

PROJECT NAME: Victoria Road Improvements
 PROJECT #: 103

TOTAL COST: \$2,761,000
 PROJECT TYPE: Reconstruction

Project Description

Reconstruction of the following road segments with curbs:
 - Victoria Road between Lexington Avenue and Diane Road

Project Location



Project Justification

Replacement of aging facilities and improving drainage to reduce maintenance expenditures. Also, it has been the policy of the City that streets will be reconstructed with curb & gutter to maximize the life of the pavement surface as well as to promote a uniform and standard appearance across the City.

Project History

Project Costs	2013	2014	2015	2016	2017	Total
Planning/Design		\$552,000				\$552,000
Construction/Maintenance		\$2,209,000				\$2,209,000
Total	\$0	\$2,761,000	\$0	\$0	\$0	\$2,761,000

Funding Sources	2013	2014	2015	2016	2017	Total
Municipal Bond Sales		\$1,134,600				\$1,134,600
Municipal State Aid Fund		\$400,000				\$400,000
Other Government Unit Funding						\$0
Sanitary Sewer Utility Fund						\$0
Special Assessments		\$554,900				\$554,900
Storm Water Utility Fund		\$572,000				\$572,000
Water Revenue Fund		\$99,500				\$99,500
Total	\$0	\$2,761,000	\$0	\$0	\$0	\$2,761,000



STREET IMPROVEMENT PLAN 2013-2017

CITY OF MENDOTA HEIGHTS

PROJECT NAME: Hunter Lane Neighborhood Improvements
 PROJECT #: 104

TOTAL COST: \$1,756,000
 PROJECT TYPE: Reconstruction

Project Description

Reconstruction of the following road segments with curbs and replacing the water main:

- Culligan Lane between Glenhill Road and Hunter Lane
- Hunter Lane between Victoria Curve and Orchard Place
- Orchard Place between Hunter Lane and Lexington Avenue

Project Location



Project Justification

Replacement of aging facilities and improving drainage to reduce maintenance expenditures. Also, it has been the policy of the City that streets will be reconstructed with curb & gutter to maximize the life of the pavement surface as well as to promote a uniform and standard appearance across the City.

Project History

A feasibility report was prepared in February 2009 for improvements to Hunter Lane, Orchard Place, Culligan Lane, Veronica Lane, & Glenhill Road. A public hearing was held on March 3, 2009 and council did not approve ordering the improvements for this area.
 Ordered Feasibility Report: May 1, 2012
 Accepted Feasibility Report: August 21, 2012
 Conducted Public Hearing/Ordered Plans: October 16, 2012

Project Costs	2013	2014	2015	2016	2017	Total
Planning/Design	\$351,000					\$351,000
Construction/Maintenance	\$1,405,000					\$1,405,000
Total	\$1,756,000	\$0	\$0	\$0	\$0	\$1,756,000

Funding Sources	2013	2014	2015	2016	2017	Total
Municipal Bond Sales	\$621,000					\$621,000
Municipal State Aid Fund						\$0
Other Government Unit Funding						\$0
Sanitary Sewer Utility Fund						\$0
Special Assessments	\$407,000					\$407,000
Storm Water Utility Fund	\$249,000					\$249,000
Water Revenue Fund	\$479,000					\$479,000
Total	\$1,756,000	\$0	\$0	\$0	\$0	\$1,756,000



STREET IMPROVEMENT PLAN 2013-2017

CITY OF MENDOTA HEIGHTS

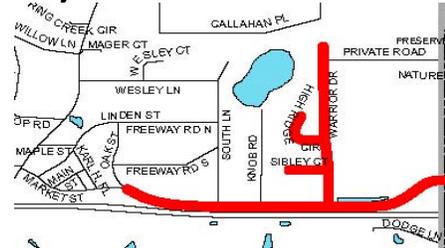
PROJECT NAME: Mendota Road Neighborhood Improvements
 PROJECT #: 105

TOTAL COST: \$1,755,000
 PROJECT TYPE: Reconstruction

Project Description

Reconstruction of the following road segments with curbs:
 - Mendota Road between Oak Street and Delaware Avenue
 Rehabilitation of the following road segments with complete pavement removal:
 - Warrior Drive
 Rehabilitation of the following road segments with an edge mill and bituminous overlay:
 - High Ridge Circle and Sibley Court

Project Location



Project Justification

Replacement of aging facilities and improving drainage to reduce maintenance expenditures. Also, it has been the policy of the City that streets will be reconstructed with curb & gutter to maximize the life of the pavement surface as well as to promote a uniform and standard appearance across the City. Rehabilitation of the street surface will extend life of roadway to a like new condition.

Project History

Project Costs	2013	2014	2015	2016	2017	Total
Planning/Design			\$335,000			\$335,000
Construction/Maintenance			\$1,420,000			\$1,420,000
Total	\$0	\$0	\$1,755,000	\$0	\$0	\$1,755,000

Funding Sources	2013	2014	2015	2016	2017	Total
Municipal Bond Sales			\$947,100			\$947,100
Municipal State Aid Fund			\$250,000			\$250,000
Other Government Unit Funding						\$0
Sanitary Sewer Utility Fund						\$0
Special Assessments			\$311,900			\$311,900
Storm Water Utility Fund			\$208,000			\$208,000
Water Revenue Fund			\$38,000			\$38,000
Total	\$0	\$0	\$1,755,000	\$0	\$0	\$1,755,000



STREET IMPROVEMENT PLAN 2013-2017

CITY OF MENDOTA HEIGHTS

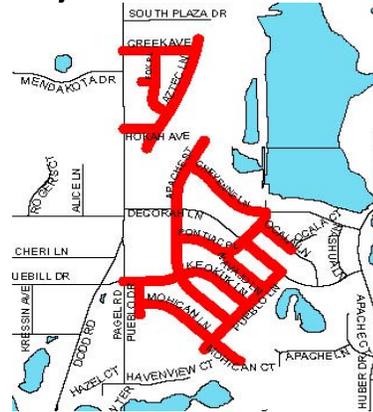
PROJECT NAME: Friendly Hills Water Main Replacement
 PROJECT #: 106

TOTAL COST: \$4,205,000
 PROJECT TYPE: Recon-Water Main

Project Description

Reconstruction of the following road segments with complete pavement removal and replacing the water main:
 - Apache Street, Aztec Lane, Cheyenne Lane, Creek Avenue, Decorah Lane, Fox Place, Hokah Avenue, Keokuk Lane, Mohican Court, Mohican Lane, Navajo Lane, Ocala Lane, Pontiac Place, Pueblo Drive, and Pueblo Lane

Project Location



Project Justification

The existing water main on these streets is cast iron pipe and the water main break frequency on these streets is nearing the limits established by SPRWS.

Project History

These streets were reconstructed in 1995 when the curb and gutters were installed.

Project Costs	2013	2014	2015	2016	2017	Total
Planning/Design				\$841,000		\$841,000
Construction/Maintenance				\$3,364,000		\$3,364,000
Total	\$0	\$0	\$0	\$4,205,000	\$0	\$4,205,000

Funding Sources	2013	2014	2015	2016	2017	Total
Municipal Bond Sales				\$1,336,800		\$1,336,800
Municipal State Aid Fund						\$0
Other Government Unit Funding						\$0
Sanitary Sewer Utility Fund						\$0
Special Assessments				\$853,200		\$853,200
Storm Water Utility Fund						\$0
Water Revenue Fund				\$2,015,000		\$2,015,000
Total	\$0	\$0	\$0	\$4,205,000	\$0	\$4,205,000



STREET IMPROVEMENT PLAN 2013-2017

CITY OF MENDOTA HEIGHTS

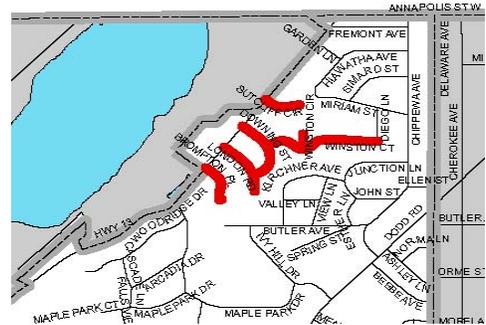
PROJECT NAME: Brompton/Winston Water Main Replacement
 PROJECT #: 107

TOTAL COST: \$1,271,000
 PROJECT TYPE: Recon-Water Main

Project Description

Reconstruction of the following road segments with complete pavement removal and replacing the water main:
 - Brompton Place, Downing Street, London Road, Sutcliff Circle
 Winston Circle, Winston Court

Project Location



Project Justification

The existing water main on these streets is cast iron pipe and the water main break frequency on these streets is nearing the limits established by SPRWS.

Project History

These streets were reconstructed in 1994 when the curb and gutters were installed.

Project Costs	2013	2014	2015	2016	2017	Total
Planning/Design					\$254,000	\$254,000
Construction/Maintenance					\$1,017,000	\$1,017,000
Total	\$0	\$0	\$0	\$0	\$1,271,000	\$1,271,000

Funding Sources	2013	2014	2015	2016	2017	Total
Municipal Bond Sales					\$454,600	\$454,600
Municipal State Aid Funds						\$0
Other Government Unit Funding						\$0
Sanitary Sewer Utility Funds						\$0
Special Assessments					\$293,400	\$293,400
Storm Sewer Utility Funds						\$0
Water Utility Funds					\$523,000	\$523,000
Total	\$0	\$0	\$0	\$0	\$1,271,000	\$1,271,000



STREET IMPROVEMENT PLAN 2013-2017

CITY OF MENDOTA HEIGHTS

PROJECT NAME: Centre Pointe & Commerce Drive Rehabilitation
 PROJECT #: 203

TOTAL COST: \$1,232,000
 PROJECT TYPE: Rehabilitation

Project Description

Rehabilitation of the following road segments with complete pavement removal:
 - Centre Pointe Drive, Centre Pointe Boulevard, Commerce Drive and Lemay Avenue
 Rehabilitation of the following road segments with an edge mill and bituminous overlay:
 - Waters Drive

Project Location



Project Justification

Maintenance costs are increasing and the streets are cracking, rutting and showing wear due to traffic and weathering. Rehabilitation with complete pavement removal and replacing the bituminous surface will extend life of roadway to a like new condition.
 Rehabilitation with edge milling and overlaying with a new wearing surface will extend life of roadway to a like new condition.

Project History

Project Costs	2013	2014	2015	2016	2017	Total
Planning/Design		\$205,000				\$205,000
Construction/Maintenance		\$1,027,000				\$1,027,000
Total	\$0	\$1,232,000	\$0	\$0	\$0	\$1,232,000

Funding Sources	2013	2014	2015	2016	2017	Total
Municipal Bond Sales		\$670,600				\$670,600
Municipal State Aid Fund						\$0
Other Government Unit Funding						\$0
Sanitary Sewer Utility Fund						\$0
Special Assessments		\$561,400				\$561,400
Storm Water Utility Fund						\$0
Water Revenue Fund						\$0
Total	\$0	\$1,232,000	\$0	\$0	\$0	\$1,232,000



STREET IMPROVEMENT PLAN 2013-2017

CITY OF MENDOTA HEIGHTS

PROJECT NAME: Glenhill Road Neighborhood Rehabilitation
 PROJECT #: 204

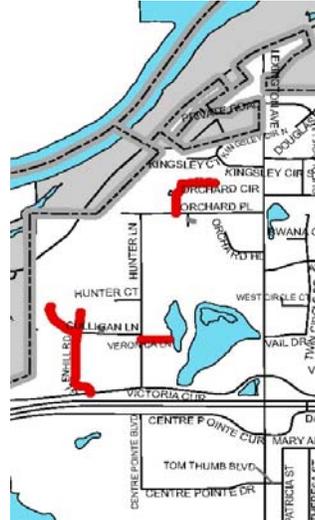
TOTAL COST: \$393,000
 PROJECT TYPE: Rehabilitation

Project Description

Rehabilitation of the following road segments with complete pavement removal:
 - Culligan Lane, Glenhill Road and Veronica Lane

Rehabilitation of the following road segments with an edge mill and bituminous overlay:
 - Orchard Circle

Project Location



Project Justification

Maintenance costs are increasing and the streets are cracking, rutting and showing wear due to traffic and weathering. Rehabilitation with complete pavement removal and replacing the bituminous surface will extend life of roadway to a like new condition.

Rehabilitation with edge milling and overlaying with a new wearing surface will extend life of roadway to a like new condition.

Project History

A feasibility report was prepared in February 2009 for improvements to Hunter Lane, Orchard Place, Culligan Lane, Veronica Lane, & Glenhill Road. A public hearing was held on March 3, 2009 and council did not approve ordering the improvements for this area.

Ordered Feasibility Report: May 1, 2012
 Accepted Feasibility Report: August 21, 2012
 Conducted Public Hearing/Ordered Plans: October 16, 2012

Project Costs	2013	2014	2015	2016	2017	Total
Planning/Design	\$78,500					\$78,500
Construction/Maintenance	\$314,500					\$314,500
Total	\$393,000	\$0	\$0	\$0	\$0	\$393,000

Funding Sources	2013	2014	2015	2016	2017	Total
Municipal Bond Sales	\$263,000					\$263,000
Municipal State Aid Fund						\$0
Other Government Unit Funding						\$0
Sanitary Sewer Utility Fund						\$0
Special Assessments	\$130,000					\$130,000
Storm Water Utility Fund						\$0
Water Revenue Fund						\$0
Total	\$393,000	\$0	\$0	\$0	\$0	\$393,000



STREET IMPROVEMENT PLAN 2013-2017

CITY OF MENDOTA HEIGHTS

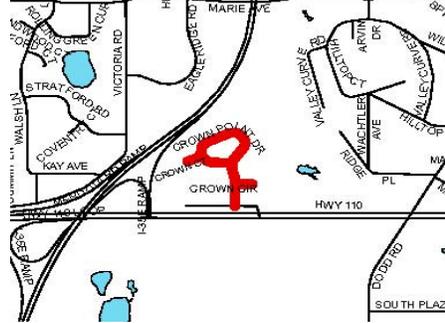
PROJECT NAME: Crown Point Drive Neighborhood Rehabilitation
 PROJECT #: 206

TOTAL COST: \$408,200
 PROJECT TYPE: Rehabilitation

Project Description

Rehabilitation of the following road segments with complete pavement removal:
 - Crown Point Drive, Crown Circle and Crown Court

Project Location



Project Justification

Maintenance costs are increasing and the streets are cracking, rutting and showing wear due to traffic and weathering. Rehabilitation with complete pavement removal and replacing the bituminous surface will extend life of roadway to a like new condition.

Project History

Ordered Feasibility Report: May 1, 2012
 Accepted Feasibility Report: August 7, 2012
 Conducted Public Hearing/Ordered Plans: September 18, 2012

Project Costs	2013	2014	2015	2016	2017	Total
Planning/Design	\$68,000					\$68,000
Construction/Maintenance	\$340,200					\$340,200
Total	\$408,200	\$0	\$0	\$0	\$0	\$408,200

Funding Sources	2013	2014	2015	2016	2017	Total
Municipal Bond Sales	\$284,100					\$284,100
Municipal State Aid Fund						\$0
Other Government Unit Funding						\$0
Sanitary Sewer Utility Fund						\$0
Special Assessments	\$124,100					\$124,100
Storm Water Utility Fund						\$0
Water Revenue Fund						\$0
Total	\$408,200	\$0	\$0	\$0	\$0	\$408,200



STREET IMPROVEMENT PLAN 2013-2017

CITY OF MENDOTA HEIGHTS

PROJECT NAME: Overlook Road Neighborhood Rehabilitation
 PROJECT #: 207

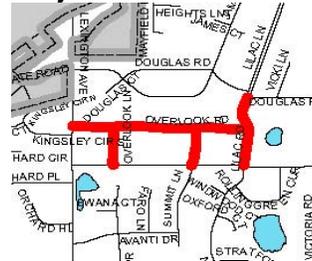
TOTAL COST: \$499,000
 PROJECT TYPE: Rehabilitation

Project Description

Rehabilitation of the following road segments with complete pavement removal:

- Lilac Road, Overlook Lane, Overlook Road
- Summit Lane between Marie Avenue and Overlook Road

Project Location



Project Justification

Maintenance costs are increasing and the streets are cracking, rutting and showing wear due to traffic and weathering. Rehabilitation with complete pavement removal and replacing the bituminous surface will extend life of roadway to a like new condition.

Project History

Ordered Feasibility Report: May 1, 2012
 Accepted Feasibility Report: August 7, 2012
 Conducted Public Hearing/Ordered Plans: September 18, 2012

Project Costs	2013	2014	2015	2016	2017	Total
Planning/Design	\$83,200					\$83,200
Construction/Maintenance	\$415,800					\$415,800
Total	\$499,000	\$0	\$0	\$0	\$0	\$499,000

Funding Sources	2013	2014	2015	2016	2017	Total
Municipal Bond Sales	\$323,800					\$323,800
Municipal State Aid Fund						\$0
Other Government Unit Funding						\$0
Sanitary Sewer Utility Fund						\$0
Special Assessments	\$175,200					\$175,200
Storm Water Utility Fund						\$0
Water Revenue Fund						\$0
Total	\$499,000	\$0	\$0	\$0	\$0	\$499,000



STREET IMPROVEMENT PLAN 2013-2017

CITY OF MENDOTA HEIGHTS

PROJECT NAME: Walsh Lane Neighborhood Rehabilitation
 PROJECT #: 208

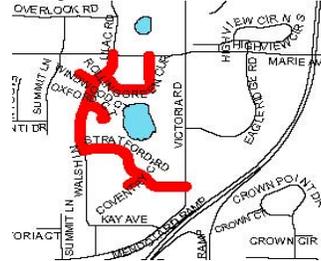
TOTAL COST: \$677,000
 PROJECT TYPE: Rehabilitation

Project Description

Rehabilitation of the following road segments with complete pavement removal:

- Walsh Lane between Marie Avenue and Stratford Road
- Oxford Court
- Rolling Green Curve
- Stratford Road
- Windwood Court

Project Location



Project Justification

Maintenance costs are increasing and the streets are cracking, rutting and showing wear due to traffic and weathering. Rehabilitation with complete pavement removal and replacing the bituminous surface will extend life of roadway to a like new condition.

Project History

Project Costs	2013	2014	2015	2016	2017	Total
Planning/Design			\$113,000			\$113,000
Construction/Maintenance			\$564,000			\$564,000
Total	\$0	\$0	\$677,000	\$0	\$0	\$677,000

Funding Sources	2013	2014	2015	2016	2017	Total
Municipal Bond Sales			\$419,000			\$419,000
Municipal State Aid Fund						\$0
Other Government Unit Funding						\$0
Sanitary Sewer Utility Fund						\$0
Special Assessments			\$258,000			\$258,000
Storm Water Utility Fund						\$0
Water Revenue Fund						\$0
Total	\$0	\$0	\$677,000	\$0	\$0	\$677,000



STREET IMPROVEMENT PLAN 2013-2017

CITY OF MENDOTA HEIGHTS

PROJECT NAME: Wesley Neighborhood Rehabilitation
 PROJECT #: 209

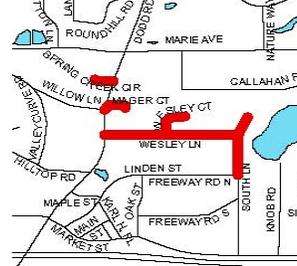
TOTAL COST: \$517,000
 PROJECT TYPE: Rehabilitation

Project Description

Rehabilitation of the following road segments with complete pavement removal:

- Mager Court, Spring Creek Circle, Wesley Court, Wesley Lane
- South Lane between Freeway Road North and the cul-de-sac

Project Location



Project Justification

Maintenance costs are increasing and the streets are cracking, rutting and showing wear due to traffic and weathering. Rehabilitation with complete pavement removal and replacing the bituminous surface will extend life of roadway to a like new condition.

Project History

Project Costs	2013	2014	2015	2016	2017	Total
Planning/Design					\$86,000	\$86,000
Construction/Maintenance					\$431,000	\$431,000
Total	\$0	\$0	\$0	\$0	\$517,000	\$517,000

Funding Sources	2013	2014	2015	2016	2017	Total
Municipal Bond Sales					\$325,500	\$325,500
Municipal State Aid Funds						\$0
Other Government Unit Funding						\$0
Sanitary Sewer Utility Funds						\$0
Special Assessments					\$191,500	\$191,500
Storm Sewer Utility Funds						\$0
Water Utility Funds						\$0
Total	\$0	\$0	\$0	\$0	\$517,000	\$517,000



STREET IMPROVEMENT PLAN 2013-2017

CITY OF MENDOTA HEIGHTS

PROJECT NAME: South Plaza Drive Rehabilitation
 PROJECT #: 210

TOTAL COST: \$244,000
 PROJECT TYPE: Rehabilitation

Project Description

Rehabilitation of the following road segments with complete pavement removal:
 - South Plaza Drive

Project Location



Project Justification

Maintenance costs are increasing and the streets are cracking, rutting and showing wear due to traffic and weathering. Rehabilitation with complete pavement removal and replacing the bituminous surface will extend life of roadway to a like new condition.

Project History

Project Costs	2013	2014	2015	2016	2017	Total
Planning/Design					\$41,000	\$41,000
Construction/Maintenance					\$203,000	\$203,000
Total	\$0	\$0	\$0	\$0	\$244,000	\$244,000

Funding Sources	2013	2014	2015	2016	2017	Total
Municipal Bond Sales					\$131,200	\$131,200
Municipal State Aid Funds						\$0
Other Government Unit Funding						\$0
Sanitary Sewer Utility Funds						\$0
Special Assessments					\$112,800	\$112,800
Storm Sewer Utility Funds						\$0
Water Utility Funds						\$0
Total	\$0	\$0	\$0	\$0	\$244,000	\$244,000



STREET IMPROVEMENT PLAN 2013-2017

CITY OF MENDOTA HEIGHTS

PROJECT NAME: Trail Improvements
 PROJECT #: 304

TOTAL COST: \$454,000
 PROJECT TYPE: MSA

Project Description

Construction of a trail adjacent to the following road segments:
 - Highway 13 between Lilydale Road and Riverside Lane
 - Dodd Road between Market Street and Marie Avenue

Project Justification

These sections of trail have been identified as gaps in our trail system. Our MSA account does not have enough funds to construct these trails using only MSA funds. Staff anticipates applying for grants in 2013. If grants are obtained in 2013, construction would occur in 2013 or 2014.

Project History

Project Location



Project Costs	2013	2014	2015	2016	2017	Total
Planning/Design	\$91,000					\$91,000
Construction/Maintenance	\$363,000					\$363,000
Total	\$454,000	\$0	\$0	\$0	\$0	\$454,000

Funding Sources	2013	2014	2015	2016	2017	Total
Municipal Bond Sales	\$154,000					\$154,000
Municipal State Aid Fund	\$150,000					\$150,000
Other Government Unit Funding	\$150,000					\$150,000
Sanitary Sewer Utility Fund						\$0
Special Assessments						\$0
Storm Water Utility Fund						\$0
Water Revenue Fund						\$0
Total	\$454,000	\$0	\$0	\$0	\$0	\$454,000



STREET IMPROVEMENT PLAN 2013-2017

CITY OF MENDOTA HEIGHTS

PROJECT NAME: Pedestrian Improvements at Dodd Rd. and Hwy 110
 PROJECT #: 305

TOTAL COST: \$740,000
 PROJECT TYPE: MSA

Project Description

Pedestrian improvements at the intersection of Dodd Road (State Trunk Highway 149) and State Trunk Highway 110

Project Location



Project Justification

To eliminate safety issues on the North Urban Regional Trail (NURT) and to facilitate a better pedestrian/bicyclist connection between the Mendota Plaza and the Village; and regional trail/greenway corridor connection south to Lebanon Hills Regional Park (LHRP)

Project History

A feasibility report was prepared in 2009 by SRF Consulting Group, Inc. Professional Services Contract awarded to SRF Consulting Group, Inc. for design of improvements in April 2012.

Project Costs	2013	2014	2015	2016	2017	Total
Planning/Design	\$124,000					\$124,000
Construction/Maintenance	\$616,000					\$616,000
Total	\$740,000	\$0	\$0	\$0	\$0	\$740,000

Funding Sources	2013	2014	2015	2016	2017	Total
Municipal Bond Sales						\$0
Municipal State Aid Fund	\$247,000					\$247,000
Other Government Unit Funding	\$493,000					\$493,000
Sanitary Sewer Utility Fund						\$0
Special Assessments						\$0
Storm Water Utility Fund						\$0
Water Revenue Fund						\$0
Total	\$740,000	\$0	\$0	\$0	\$0	\$740,000



STREET IMPROVEMENT PLAN 2013-2017

CITY OF MENDOTA HEIGHTS

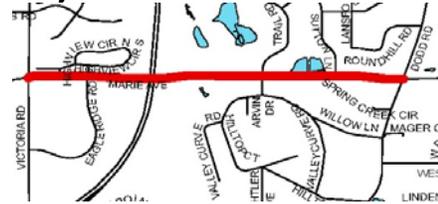
PROJECT NAME: Marie Avenue Rehabilitation 2
 PROJECT #: 306

TOTAL COST: \$911,000
 PROJECT TYPE: MSA-Rehabilitation

Project Description

Rehabilitation of the following road segments with complete pavement removal:
 - Marie Avenue between Dodd Road and Victoria Road

Project Location



Project Justification

Maintenance costs are increasing and the streets are cracking, rutting and showing wear due to traffic and weathering. Rehabilitation with complete pavement removal and replacing the bituminous surface will extend life of roadway to a like new condition.

Project History

Project Costs	2013	2014	2015	2016	2017	Total
Planning/Design				\$152,000		\$152,000
Construction/Maintenance				\$759,000		\$759,000
Total	\$0	\$0	\$0	\$911,000	\$0	\$911,000

Funding Sources	2013	2014	2015	2016	2017	Total
Municipal Bond Sales				\$490,000		\$490,000
Municipal State Aid Fund				\$330,000		\$330,000
Other Government Unit Funding						\$0
Sanitary Sewer Utility Fund						\$0
Special Assessments				\$91,000		\$91,000
Storm Water Utility Fund						\$0
Water Revenue Fund						\$0
Total	\$0	\$0	\$0	\$911,000	\$0	\$911,000



STREET IMPROVEMENT PLAN 2013-2017

CITY OF MENDOTA HEIGHTS

PROJECT NAME: Mendota Heights Road Rehabilitation 2
 PROJECT #: 307

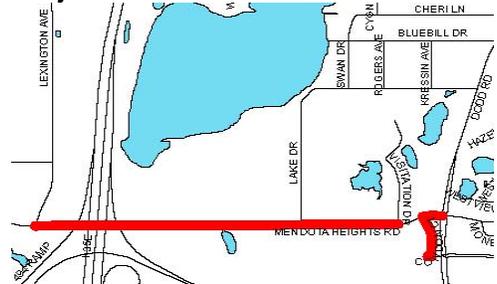
TOTAL COST: \$520,000
 PROJECT TYPE: MSA-Rehabilitation

Project Description

Rehabilitation of the following road segments with milling 2" of the existing bituminous surface and placing bituminous overlay:

- Mendota Heights Road between Dodd Road and Lexington Ave
- Condon Court

Project Location



Project Justification

Maintenance costs are increasing and the streets are cracking, rutting and showing wear due to traffic and weathering. Rehabilitation with edge milling and overlaying with a new wearing surface will extend life of roadway to a like new condition.

Project History

Project Costs	2013	2014	2015	2016	2017	Total
Planning/Design			\$87,000			\$87,000
Construction/Maintenance			\$433,000			\$433,000
Total	\$0	\$0	\$520,000	\$0	\$0	\$520,000

Funding Sources	2013	2014	2015	2016	2017	Total
Municipal Bond Sales			\$148,000			\$148,000
Municipal State Aid Fund			\$148,000			\$148,000
Other Government Unit Funding						\$0
Sanitary Sewer Utility Fund						\$0
Special Assessments			\$224,000			\$224,000
Storm Water Utility Fund						\$0
Water Revenue Fund						\$0
Total	\$0	\$0	\$520,000	\$0	\$0	\$520,000



STREET IMPROVEMENT PLAN 2013-2017

CITY OF MENDOTA HEIGHTS

PROJECT NAME: Annual Street Crack Sealing and Seal Coating
 PROJECT #: 401

TOTAL COST: \$1,068,900
 PROJECT TYPE: PM

Project Description

Each year, staff will determine an area that can be crack sealed and seal coated within the allotted budget based upon current estimated project costs. The areas tentatively planned for crack sealing and seal coating is shown on the map of seal coating projects.

Project Location

Project Justification

The sealing of street cracks will significantly extend the useful life of the streets. This will extend the time frame when a costly street reconstruction project will be necessary. The sealing of cracks in the street surface reduces/eliminates water from entering the road base and subgrade. This process reduces the freeze/thaw cycles of the subgrade, maintaining the integrity of the road. Crack sealing is completed in a particular area one year prior to seal coating. This allows the crack sealing material to cure and minimize bleed through once seal coated.

Seal coating will extend the useful life of roads by protecting the bituminous from oxidation due to adverse weather conditions (sun, rain, wind, snow, etc.). The prevention of oxidation will prolong the useful life of the pavement and defer the need for a costly reconstruction. Seal coating also improves the skid resistance of the roadway surface by increasing the friction between vehicle tires and the roadway. Streets that are reconstructed or rehabilitated are typically seal coated five years after they are paved.

Project Costs	2013	2014	2015	2016	2017	Total
Planning/Design	\$27,000	\$16,000	\$18,000	\$17,500	\$18,000	\$96,500
Construction/Maintenance	\$276,900	\$158,000	\$180,500	\$176,500	\$180,500	\$972,400
Total	\$303,900	\$174,000	\$198,500	\$194,000	\$198,500	\$1,068,900

Funding Sources	2013	2014	2015	2016	2017	Total
Municipal Bond Sales						\$0
Municipal State Aid Fund						\$0
Other Government Unit Funding	\$303,900	\$174,000	\$198,500	\$194,000	\$198,500	\$1,068,900
Sanitary Sewer Utility Fund						\$0
Special Assessments						\$0
Storm Water Utility Fund						\$0
Water Revenue Fund						\$0
Total	\$303,900	\$174,000	\$198,500	\$194,000	\$198,500	\$1,068,900

