



City of Shoreview

Feasibility Study & Report

For

Hodgson Road (CSAH 49)
Reconstruction
City Project 23-02

January 9, 2023

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Feasibility Study and Report

For

Hodgson Road (CSAH 49) Reconstruction

City Project 23-02

City of Shoreview, Minnesota

January 9, 2023

I hereby certify that this plan, specification, or 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.



Thomas E. Wesolowski, PE
Registration No. 40245

Date 1/9/2023

Acknowledgement – Davin Yang, Staff Engineer and Ed Atanasoff, Engineering Technician from the City of Shoreview, assisted with the mapping, cost estimate, and preliminary layouts.

Hodgson Road (CSAH 49)
Reconstruction

January 9, 2023

Executive Summary

Background and Findings

Ramsey County, in cooperation with the City of Shoreview, has scheduled the Hodgson Road (CSAH 49) Reconstruction project for years 2023 and 2024. A map of the proposed project area is shown in Appendix A.

The preparation of a feasibility report was ordered by the Shoreview City Council on June 20, 2022 for the Hodgson Road (CSAH 49) Reconstruction, city project 23-02.

This report has been prepared for the proposed improvement of the streets, water mains, sanitary sewers, storm sewers, street lights, traffic control signal systems, and pedestrian and bicycle facilities for the Hodgson Road (CSAH 49) Reconstruction.

The public roadways included in this project are as follows:

Hodgson Road from Rice Street to Bridge Street
Gramsie Road from Hodgson Road to 211 Feet West
County Road F from Hodgson Road to Rice Street
Rice Street from Hodgson Road to County Road F

The recommendation of this report is to reconstruct the streets, replace the water distribution and sanitary sewer collection system, install a storm water collection and treatment system, and replace the traffic control signal systems and street lights for the Hodgson Road (CSAH 49) Reconstruction. This report also recommends constructing barrier style concrete curb and gutter for all streets, a roundabout at the intersection of Hodgson Road and Rice Street, and paved multiuse trails and sidewalks in the project area. All roadways would be designed to a 10-ton standard, which is consistent with Ramsey County standards for collector streets.

Project Costs

Costs for the project will be shared between Ramsey County, the City of Vadnais Heights, and the City of Shoreview in accordance with Ramsey County's cost-share policy and with Ramsey County providing the majority of funding for the project. In addition to the construction costs the City of Shoreview will also participate in cost-share for right of way

and easement acquisition costs required for the project. Shoreview's portion of the cost-share for the proposed improvements would be funded by a combination of special assessments/bonding, and utility and municipal state-aid street funds. The cost of the project is estimated as follows:

Street	\$ 685,000
Sidewalk & Trail	\$ 260,000
Water Main	\$ 1,920,000
Sanitary Sewer	\$ 1,050,000
Storm Sewer	\$ 180,000
Street Lights	\$ 55,000
Right of Way/Easement Acquisition	\$ <u>2,237,940</u>
Total Estimated Project Cost	\$ 6,387,940

Financing

Street	
Municipal State-Aid	\$ 507,700
Assessments	\$ 177,300
Sidewalk & Trail	
Municipal State-Aid	\$ 110,000
Community Investment Fund	\$ 150,000
Water	
Water Fund	\$ 1,920,000
Sanitary Sewer	
Sewer Fund	\$ 1,050,000
Storm Sewer	
Surface Water Fund	\$ 118,242
Assessments	\$ 61,758
Street Lights	\$ 55,000
Right of Way/Easement Acquisition	
Municipal State-Aid	\$ <u>2,237,940</u>
Total	\$ 6,387,940

Conclusions

1. The road reconstruction project for Hodgson Road (CSAH 49) Reconstruction, as described herein, is technically and financially feasible.
2. The reconstruction of the deteriorated streets, replacement of the aging water distribution and sanitary sewer collection system, installation of a modern storm water collection and treatment system, replacement of street lights, replacement of the traffic control signal systems, and installation of pedestrian and bicycle facilities will directly benefit the residents of the neighborhoods, as well as other residents of Shoreview.

Recommendations

1. Proceed with improvements as proposed in this report.
2. Schedule the public hearing for city project 23-02 on February 20, 2023 at the regularly scheduled city council meeting.

I. Introduction

This report consists of the exploration of the Hodgson Road (CSAH 49) Reconstruction. The City Council of Shoreview ordered the preparation of a feasibility report on June 20, 2022 for the Hodgson Road (CSAH 49) Reconstruction, city project 23-02.

The public roadways included in this project are as follows:

Hodgson Road from Gramsie Road to Bridge Street
Gramsie Road from Hodgson Road to 211 Feet West
County Road F from Hodgson Road to Rice Street
Rice Street from Hodgson Road to County Road F

The project is located south of Highway 96, north of Highway 694, and east of Victoria Street. A map of the proposed project area is shown in Appendix A.

All roads within the project area are maintained and operated by Ramsey County. Adjacent properties abutting the proposed improvements consist of single-family homes zoned as a Detached Residential District (R1), apartments zoned as a Multiple Dwelling Residential District (R3), and businesses zoned as a General Commercial District (C2). There are also properties within the project area designated as a Planned Unit Development (PUD) zone and an Urban Underdeveloped (UND) zone.

The public roadways in the project area were originally constructed more than 40 years ago. The sanitary sewer system for the project area was installed in the mid 1960's and the water main was installed in the early 1970's. All existing lots within the project area are currently served by the city's sanitary sewer collection and water distribution systems.

Hodgson Road, County Road F, and Rice Street are of a rural design with no curb and gutter, and minimal storm water management. Surface water runs overland and along street edges to a ditch located between residential properties on Hodgson Road, County Road F, and Rice Street. The ditch directs surface water runoff southwest to a wetland located within the Ramsey-Washington Metro Watershed District drainage area. Gramsie Road has existing curb and gutter and a storm water management system composed of catch basins and underground pipes to collect surface water runoff.

Since the project is located within the Ramsey-Washington Metro Watershed District (RWMWD) drainage area, the county is required to

obtain a permit from the watershed for all stormwater improvements on the project.

County staff, in cooperation with the city, hosted two separate open houses for the project at New Life Lutheran Church on August 18 in 2021 and on June 8 in 2022. Proposed preliminary improvements and plan layouts were shared with the public at these events, along with information regarding easements, assessments, and project schedule. County and city staff also took the opportunity to gather comments and address concerns at the open houses. The county has also created a project webpage to share important information and to inform the public about any significant updates. An interactive map for public feedback is also provided on the project webpage, along with contact information for county staff.

This report, prepared by the Shoreview Public Works Department, addresses existing conditions, proposed improvements, and estimated cost of the improvements. If this feasibility report is received and improvements subsequently ordered, the work will be completed in two phases over the course of approximately sixteen to eighteen months. Phase 1 of the project would be scheduled to start in the spring of 2023, followed by Phase 2 in the spring of 2024.

II. Existing Conditions – Streets and Public Utilities

Street – Pavement

Streets within the project area consist of a combined 9,200-linear feet of bituminous surface roadways.

The street surface material is bituminous asphalt pavement with major distresses including cracking, heaving, settlement, and patches. The majority of the pavement surface area is distressed due to the age of the asphalt pavement. A pavement surface exploration and geotechnical review was completed by Ramsey County for the project area.

Trails and Sidewalks

There are no existing dedicated pedestrian and bicycle facilities within the project area. Currently, pedestrians and bicyclists use the marked street shoulders on Hodgson Road and Rice Street.

Water Main

All existing properties within the project areas are served by Shoreview's municipal water system, which is located within the right-of-way. The existing water main on Hodgson Road consists of 16-inch and 24-inch pre-stressed concrete pressure pipe (PCCP). The existing water main on County Road F consists of 6-inch cast iron pipe (CIP). All existing water main on Hodgson Road and County Road F were installed in the early 1970's.

Sanitary Sewer

All existing properties within the project area are served by the city's sanitary sewer collection system, which was installed in the mid 1960's and located within the right-of-way. The existing sanitary sewer system consists of 9-inch non-gasketed vitrified clay pipe (VCP) on Hodgson Road and County Road F. The sanitary sewer for the northern portion of Hodgson Road is routed to the existing sanitary infrastructure located on Snail Lake Road. The remaining portion of Hodgson Road is directed to the west on Demar Avenue. This type of pipe is not utilized in modern construction practices for sanitary sewer.

The sanitary sewer main lines were televised by city staff within the project area. The inspection showed the main line pipe is in poor condition due to dips, cracking, and blockage from tree roots. The sanitary manholes are also in poor condition.

Storm Sewer

Surface water for a majority of the project area runs overland and along road edges to a ditch located between residential properties located on Hodgson Road, County Road F, and Rice Street. Surface water also currently collects in low areas located in the right of way and on residential property.

The ditches direct surface water runoff southwest to a wetland located within the Ramsey-Washington Metro Watershed District (RWMWD) drainage area. The collection system does not provide any treatment to the surface water runoff prior to discharging to the wetland.

Surface water runoff on Gramsie Road, just east of Hodgson Road, is currently collected by a series of existing catch basins in the curb, and then directed westward by underground piping before discharging to a wetland south of Gramsie road.

Street Lights

The project area is currently served by 12 street light poles, of which 3 are owned by Xcel Energy and the rest by the city. The Xcel street lights are attached to wooden poles and consist of 40-watt LED cobra-head fixtures with power supplied by overhead lines. The city street lights are LED cobra-head light fixtures attached to aluminum poles, and fed by underground power.

Traffic Control Signals

All existing traffic control signal systems on the roadway are owned and operated by Ramsey County. The signal system located at the intersection of Rice Street and Hodgson Road consists of 4 steel poles each with an attached mast arm and cobra-head light fixture. The intersection of Hodgson Road and Snail Lake Road is also serviced by an existing traffic control signal system consisting of span wires and 4 wood poles, of which 3 have an attached cobra-head light fixture.

III. Proposed Improvements – Streets and Public Utilities

Preliminary drawings showing the proposed improvements are included in Appendix A of this report.

Streets – Pavement & Concrete Curb and Gutters

County staff, in cooperation with the city, is proposing all streets be reconstructed with a paved surface along with concrete curb and gutter. Rice Street will mainly consist of two 11-foot thru lanes with average shoulder widths of 6-feet. County Road F will consist of an 11-foot and 12-foot thru lane, along with a 7-foot shoulder on the outside of the eastbound thru lane. Hodgson Road will mainly consist of two 11-foot thru lanes with average shoulder widths of 4-feet, along with a 12-foot shared turn lane in-between the thru lanes. The 12-foot shared turn lane is projected to increase traffic safety and efficiency of traffic flow based on traffic models and studies. The proposed street pavement would meet a 10-ton design, which is the county standard for collector streets.

The proposed concrete curb and gutter would consist of a barrier style of curb. The curb in front of driveway areas would be cut down to allow for a smooth transition between the roadway and the driveway.

The estimated life for the standard pavement is typically a minimum of 25-30-years.

Additional street improvements are also proposed at the major intersections within the project area. Proposed improvements at the intersection of Hodgson Road and Rice Street will include replacing the existing traffic control signal system with a roundabout, which has been shown to improve driver safety, reduce conflict points, promote lower speeds, increase traffic calming, and improve operational performance based on traffic analysis and studies. Proposed improvements at the intersection of Hodgson Road and County Road F will include reducing conflict points by constructing a raised median and pork chop island to help facilitate right turn movements from northbound traffic on Hodgson Road to County Road F, and to restrict left turn movements from westbound traffic on County Road F to Hodgson Road. Proposed improvements at the intersection of Hodgson Road and Snail Lake Road will include installing dedicated right-turn lanes and left-turn lanes on Hodgson Road, along with replacing the existing wood pole and span wire traffic control signal system with an updated system consisting of steel poles and mast arms.

Trail and Sidewalk Improvements

Pedestrian and bicycle facilities, consisting of bituminous multi-use trails and concrete sidewalks, is proposed by county and city staff as part of this project in order to provide mobility options and increase safety and health benefits for the residents within, and outside, of the project area. An 8-foot trail, with an average boulevard of width of 5-feet, is proposed on the west side of Hodgson Road, from Gramsie Road to Bridge Court, and on the east side of Rice Street, from Suzanne Avenue to County Road F. A 5-foot sidewalk, with an average boulevard width of 5-feet, is proposed on the east side of Hodgson Road, from Gramsie Road to Bridge Street, and on the west side of Rice Street, from Martin Way to Southwood Drive. A 5-foot sidewalk, with an average boulevard width of 5-feet, is also proposed for the south side of County Road F, from Hodgson Road to Rice Street.

All major intersections with pedestrian crossing facilities will also consist of improved pedestrian curb ramps and marked pavement crosswalks meeting current ADA standards.

Water Main Improvements

The existing water main system within the project area consists of PCCP and CIP material that were installed approximately 50-years ago. It is standard practice to replace these aging underground systems in conjunction with street reconstruction projects in order to reduce costs,

avoid unnecessary inconveniences to residents, and minimize traffic disruptions. The existing water main on Hodgson Road will be replaced with polyvinyl chloride (PVC) pipe, which is highly resistance to corrosion and chemicals, easy to install, and is low cost with a long service life compared to other materials.

Proposed Improvements to the water main on Hodgson Road and Rice Street will include replacing the existing 16-inch and 24-inch PCCP water main with 16-inch PVC pipe and replacement of the water services to the property line. Based on water models, a reduction in the size of the water main pipe is shown to have no adverse impacts to the water main system's capacity to handle and satisfy current and future demands. Proposed improvements to the water main on County Road F will include replacing the existing 6-inch CIP water main with 6-inch PVC pipe and replacement of the water services to the property line.

It has been the city's experience that the service life of valves and hydrants is typically less than 50-years and it is recommended the valves and hydrants associated with the water main be replaced.

Sanitary Sewer Improvements

Deficiencies of the sanitary sewer main evident on the televised inspection consist of dips in the pipe, severe cracking, and intrusion of tree roots at the joints and service connections. These types of deficiencies can only be corrected by replacing the existing pipe. The existing pipe will be replaced with PVC pipe. PVC pipe is the modern standard for sanitary sewer; it has tight joints that keep out tree roots and groundwater and is stiff enough to resist settlement among other benefits. The manholes are also in poor condition and will be replaced.

The proposed sanitary sewer work will include the replacement of existing VCP sewer main and services within the road right of way with PVC. The service lines are constructed of the same material as the sewer main and experience the same problems. It has been the city's practice to replace the sanitary sewer services with PVC pipe in reconstruction areas where VCP sewer services exists. PVC pipe is the modern standard for sewer services; it has tight joints that keep out tree roots and groundwater and is stiff enough to resist settlement. The scope of these proposed improvements will not include repair/replacement of sanitary sewer services located on private property.

Storm Sewer Improvements

The proposed improvements to the storm water collection system consists of constructing a series of catch basins, catch basin manholes, underground piping, storm infiltration ponds, and underground storm water detention systems.

Storm water run-off from Rice Street will be collected at catch basins in the curb, and directed by underground piping to proposed underground storm water detention systems located between Hodgson Road and Rice Street, south of County Road F. These underground storm water detention systems will also collect storm water run-off from Gramsie Road and a portion of Hodgson Road, south of Virginia Avenue. Storm water run-off from County Road F, east of Rice Street, and a portion of Hodgson Road from County Road F to Colleen Avenue, will be collected at catch basins and directed by underground piping to a proposed storm infiltration pond between Hodgson Road and Rice Street, south of County Road F. Storm water run-off from the portion of Hodgson Road from Colleen Avenue to Snail Lake Road will be collected at catch basins and directed by underground piping to a proposed storm infiltration pond on the east side of Hodgson Road, between Dawn Avenue and Snail Lake Road. Storm water run-off on the portion of Hodgson Road from Snail Lake Road to Bridge Street will be collected at catch basins and directed by underground piping to a proposed storm infiltration pond on the west side of Hodgson Road, off of Bridge Court.

The proposed improvements are consistent with the goals and policies of Shoreview's Surface Water Management Plan (SWMP) and the requirements of both the county and city's National Pollution Discharge Elimination System (NPDES) permit and Surface Water Pollution Prevention Plan (SWPPP).

Plans and specifications will incorporate erosion control practices consistent with Minnesota Pollution Control Agency's Best Management Practices and meet all requirements of the NPDES and RWMWD.

Street Light Improvements

The proposed improvements for this project include replacing the existing Xcel owned street lights with city owned street lights consisting of new aluminum poles, LED cobra-head light fixtures, and underground power. The street lights would be installed in approximately the same locations as the existing lights. The installation of the new street lights would be completed as part of this project.

Traffic Control Signal Improvements

Based on traffic analysis and studies, the existing traffic signal system at the intersection of Hodgson Road and Rice Street will be replaced with a roundabout to improve driver safety, reduce conflict points, promote lower speeds, increase traffic calming, and improve operational performance. Proposed traffic control signal improvements at the intersection of Hodgson Road and Snail Lake Road will consist of replacing the existing wood pole and span wire system, which is typically used as a temporary system in urban areas, with one consisting of steel poles with an attached mast arm and LED cobra-head light fixture.

Private Utilities

The county will notify the utility companies known to have infrastructure in the project area concerning the proposed improvements. Private utilities and their associated agencies located on the project area include Comcast Communication - Cable and Television; Lumen (formerly Century Link) – Telephone and Communication; and Xcel Energy – Electric, Gas and Street Lights. The county and city encourages these companies to repair or replace their utilities during or prior to the start of public construction projects.

Landscaping

It is anticipated that the project will have an impact on trees located within the public right-of-way. The county will make every effort to protect existing trees within the right-of-way as per standard practice. However, when necessary, trees will be removed to allow for the proposed construction and clear zones. As per past practice, staff will work with property owners to assess impacts and/or removal of trees located on private property. City staff will also evaluate tree replacement needs after completion of all major improvements on the project.

Permits

The county and city are required to obtain the necessary permits to construct this project.

Since this project is located within the watershed of RWMWD, the county will need to obtain a permit from them for the proposed storm water improvements.

A NPDES permit is also needed for disturbances over one acre in size as required by the Minnesota Pollution Control Agency. Local agencies and contractors must obtain permits and provide sureties to prevent

erosion from exiting the construction site on all sites one acre or more that are being disturbed. This permit must be obtained by common permit by both the county and contractor prior to starting the construction project.

The preliminary design for the storm water improvements doesn't indicate a requirement for DNR or Army Corps of Engineers permits.

The city will be required to obtain approval from the Department of Health for the work associated with the water distribution systems. The approval will be required prior to construction of the project.

IV. Estimated Costs

Costs for the project will be shared between Ramsey County, the City of Vadnais Heights, and the City of Shoreview in accordance with Ramsey County's cost share policy and with Ramsey County providing a majority of the funding for the project. A detailed cost estimate provided by Ramsey County that includes estimated cost share for Ramsey County and the Cities of Vadnais Heights and Shoreview is included in Appendix C of this report. The cost estimate is based on construction prices experienced for similar improvements and an additional 15% to cover non-construction costs associated with the project such as; engineering, legal, administrative costs, and construction contingencies was added to Shoreview's construction cost-share. In addition to the construction costs the City of Shoreview will also participate in cost-share for right of way and easement acquisition costs required for the project. The City of Shoreview's estimated total costs for the project as listed below:

Street	\$ 685,000
Sidewalk & Trail	\$ 260,000
Water Main	\$ 1,920,000
Sanitary Sewer	\$ 1,050,000
Storm Sewer	\$ 180,000
Street Lights	\$ 55,000
Right of Way/Easement Acquisition	\$ <u>2,237,940</u>
Total Estimated Project Cost	\$ 6,387,940

V. Estimated Assessments

Assessments proposed for improvements are administered in accordance with Minnesota Statutes, Chapter 429 and the City of Shoreview Street Renewal Program Unit Assessment Policy dated March 7, 1986.

Appendix C has a detailed map and list of residential properties with proposed assessments for the improvements. The payback period for assessments related to street and storm sewer is typically 10-years.

Street

Shoreview's Street Assessment Policy states that adjacent property and any property with primary access to the roadway receiving the improvement will be assessed the equivalent cost of concrete curb and gutter on an "equivalent unit" basis. A typical single-family residential lot is considered as one "unit" for street assessment purposes.

Total estimated cost of concrete curb and gutter	\$ 177,300
Total number of assessable units	98.5
Estimated street assessment amount	\$ 1,800/unit

Storm Sewer

Storm sewer assessments are proposed for this project. The properties in the project area have not been previously assessed for storm sewer improvements. In accordance with the City's assessment policy for storm sewer the amount assessed for each lot is dependent on the size of the lot. The first 13,000-square feet (sf) is assessed at \$0.07/sf, additional area from 13,001-19,000sf is assessed at \$0.035/sf, with no additional assessment over 19,000sf. The maximum storm sewer assessment for residential lots located within the project area is \$1,120/unit.

Total assessed cost of storm sewer	\$ 61,758
Estimated storm sewer assessment	
- Depends on lot size – maximum amount	\$1,120/unit

VI. Funding Sources

The proposed improvements would be funded by a combination of special assessments/bonding, street renewal, utility, and municipal state-aid street funds:

Street	
Municipal State-Aid	\$ 507,700
Assessments	\$ 177,300

Sidewalk & Trail	
Municipal State-Aid	\$ 110,000
Community Investment Fund	\$ 150,000
Water	
Water Fund	\$ 1,920,000
Sanitary Sewer	
Sewer Fund	\$ 1,050,000
Storm Sewer	
Surface Water Fund	\$ 118,242
Assessments	\$ 61,758
Street Lights	\$ 55,000
Right of Way/Easement Acquisition	
Municipal State-Aid	<u>\$ 2,237,940</u>
Total	\$ 6,387,940

VII. Project Schedule

Assuming receipt of this report by the City Council, the proposed project schedule will be as follows:

Council Receives Feasibility Report	January 17, 2022
Public Improvement Hearing	February 20, 2022
Council Approve Plans and Specifications	March 2022
Phase 01 Construction Start	May/June 2023
Phase 01 Construction Complete	October 2023
Phase 02 Construction Start	May/June 2024
Phase 02 Construction Complete	October 2024
Assessment Hearing	September 2025

VIII. Conclusions and Recommendations

Conclusions

1. The reconstruction project, as described herein, is technically and financially feasible.
2. The reconstruction of the deteriorated streets, replacement of the aging water distribution and sanitary sewer collection system, installation of a modern storm water collection and treatment system, replacement of street lights, replacement of the traffic control signal systems, and installation of pedestrian and bicycle facilities will directly benefit the residents of the neighborhoods, as well as other residents of Shoreview.

Recommendations

1. Proceed with improvements as proposed in this report.
2. Schedule a public hearing for city project 23-02 for February 20, 2023 at the regularly scheduled City Council meeting.

APPENDIX A

Project Location Map
Proposed Improvement Drawings

Hwy 96

Snail Lake Rd.

Snail Lake

Snail Lake Blvd.

Hodgson Rd.

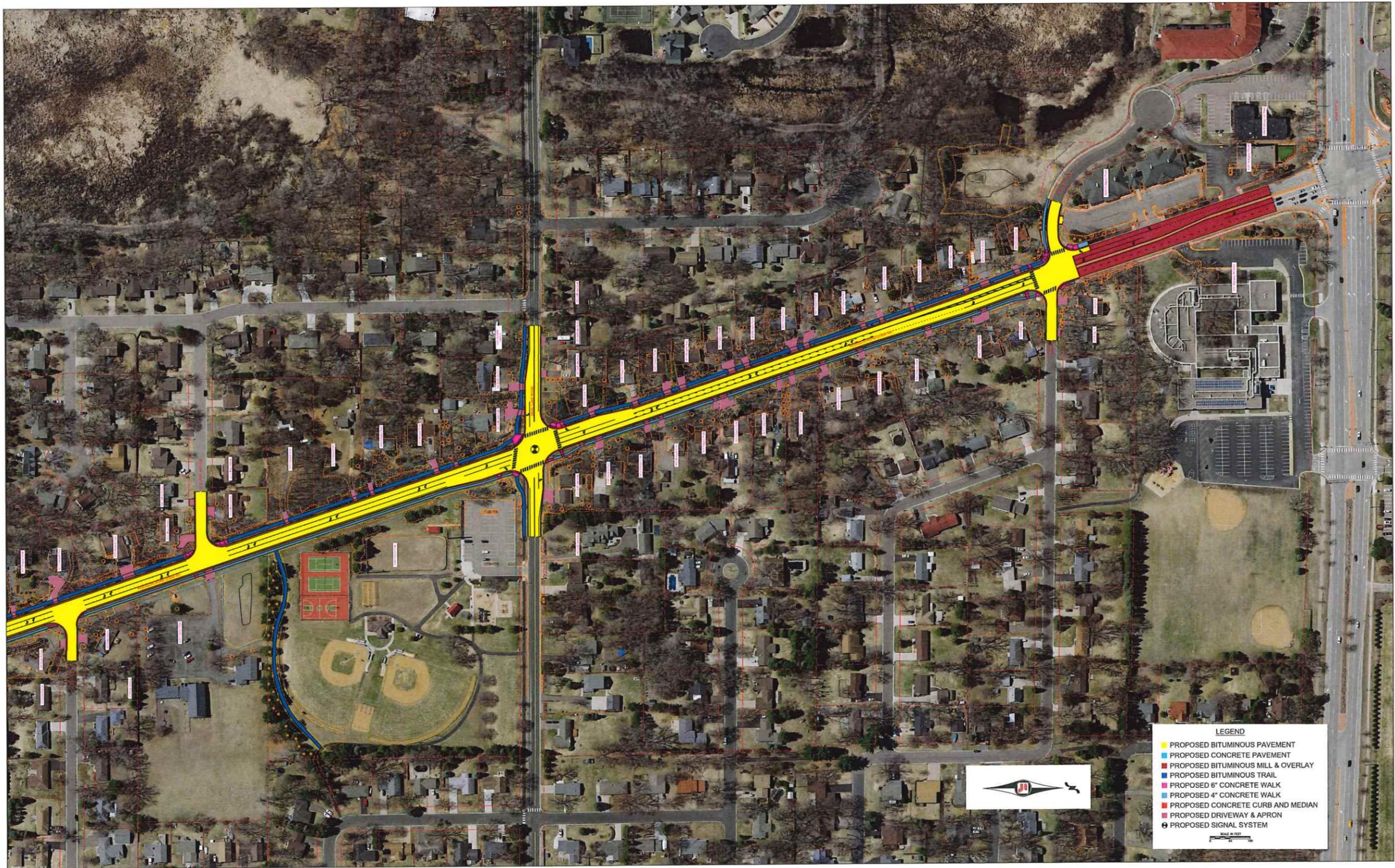
Rice St.

E County Rd. F

 Project area

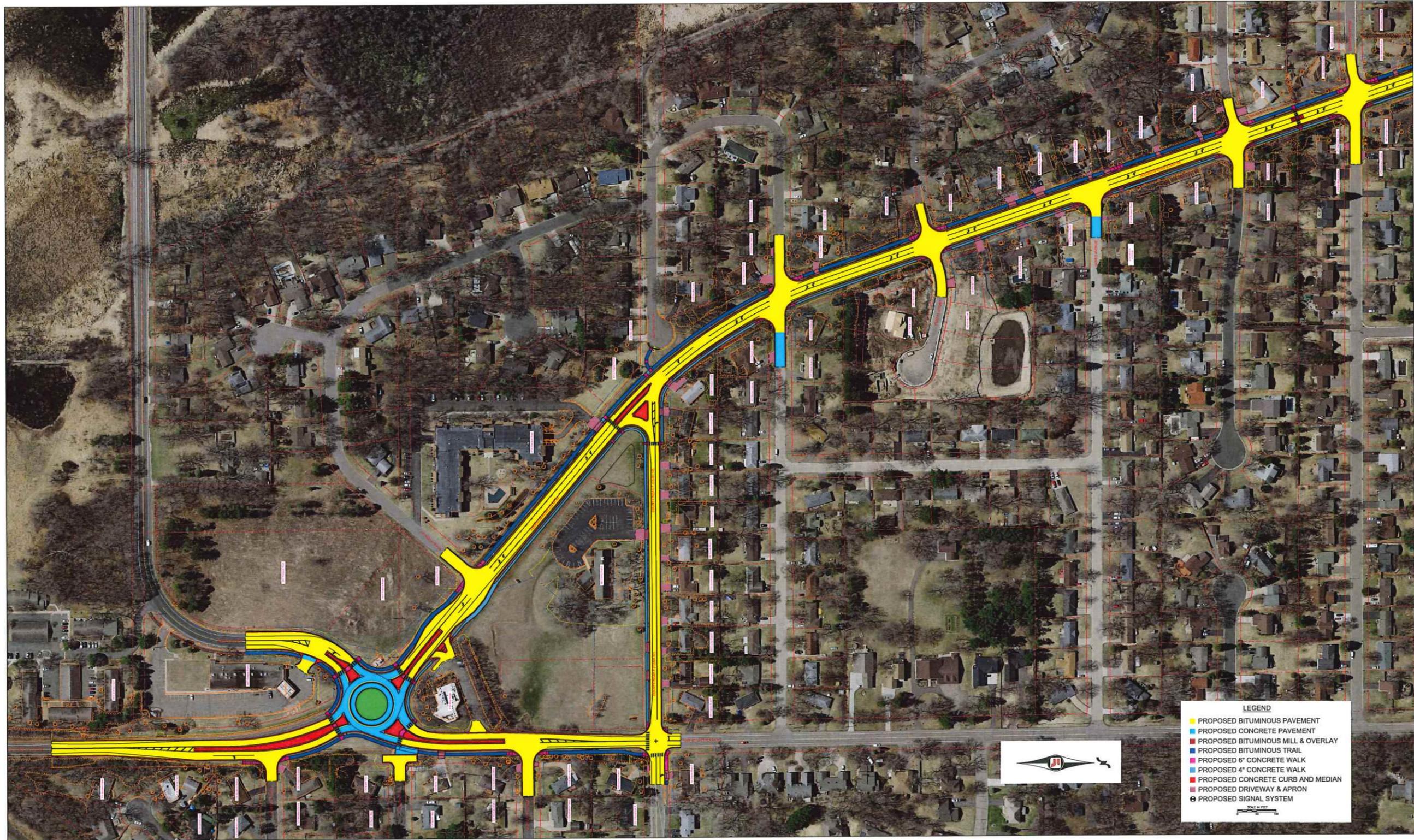
Gramsie Rd





- LEGEND**
- PROPOSED BITUMINOUS PAVEMENT
 - PROPOSED CONCRETE PAVEMENT
 - PROPOSED BITUMINOUS MILL & OVERLAY
 - PROPOSED BITUMINOUS TRAIL
 - PROPOSED 6" CONCRETE WALK
 - PROPOSED 4" CONCRETE WALK
 - PROPOSED CONCRETE CURB AND MEDIAN
 - PROPOSED DRIVEWAY & APRON
 - PROPOSED SIGNAL SYSTEM
- SCALE: 1" = 100'





LEGEND

- PROPOSED BITUMINOUS PAVEMENT
- PROPOSED CONCRETE PAVEMENT
- PROPOSED BITUMINOUS MILL & OVERLAY
- PROPOSED BITUMINOUS TRAIL
- PROPOSED 6" CONCRETE WALK
- PROPOSED 4" CONCRETE WALK
- PROPOSED CONCRETE CURB AND MEDIAN
- PROPOSED DRIVEWAY & APRON
- ⊗ PROPOSED SIGNAL SYSTEM

SCALE IN FEET

APPENDIX B

Cost Estimate

ENGINEER'S ESTIMATE OF PROBABLE CONSTRUCTION COST
HODGSON ROAD (CSAH 49) RECONSTRUCTION
SHOREVIEW VADNAIS HEIGHTS, MN

NOTES	ITEM NO.	ITEM DESCRIPTION	UNIT	UNIT COST	TOTAL		CSAH 49 (HODGSON ROAD)								NON-PARTICIPATING	
							PARTICIPATING				CITY OF SHOREVIEW				CITY OF SHOREVIEW	
							RAMSEY COUNTY S.A.P. 062-649-050				S.A.P. 167-020-024					
							ROADWAY		STORM SEWER		ROADWAY		STORM SEWER			
QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT			
	2021.501	MOBILIZATION	LUMP SUM	\$ 645,000.00	1.00	\$ 645,000.00	0.30	\$ 193,500.00	0.21	\$ 135,450.00	0.06	\$ 38,700.00		\$ -	0.18	\$ 116,100.00
	2101.502	CLEARING	EACH	\$ 165.00	50	\$ 8,250.00	34	\$ 5,610.00		\$ -		\$ -		\$ -		\$ -
	2101.502	GRUBBING	EACH	\$ 125.00	50	\$ 6,250.00	34	\$ 4,250.00		\$ -		\$ -		\$ -		\$ -
	2101.505	CLEARING	ACRE	\$ 5,700.00	1.01	\$ 5,757.00	0.89	\$ 5,073.00		\$ -		\$ -		\$ -		\$ -
	2101.505	GRUBBING	ACRE	\$ 4,500.00	1.01	\$ 4,545.00	0.89	\$ 4,005.00		\$ -		\$ -		\$ -		\$ -
	2104.502	REMOVE MANHOLE	EACH	\$ 750.00	21	\$ 15,750.00		\$ -		\$ -		\$ -		\$ -	18	\$ 13,500.00
	2104.502	REMOVE GATE VALVE & BOX	EACH	\$ 500.00	37	\$ 18,500.00		\$ -		\$ -		\$ -		\$ -	22	\$ 11,000.00
	2104.502	REMOVE CURB STOP & BOX	EACH	\$ 350.00	2	\$ 700.00		\$ -		\$ -		\$ -		\$ -		\$ -
	2104.502	REMOVE HYDRANT	EACH	\$ 1,000.00	12	\$ 12,000.00	4	\$ 4,000.00		\$ -		\$ -		\$ -		\$ -
	2104.502	REMOVE DRAINAGE STRUCTURE	EACH	\$ 450.00	52	\$ 23,400.00	33	\$ 14,850.00		\$ -		\$ -		\$ -		\$ -
	2104.502	REMOVE LIGHT POLE	EACH	\$ 350.00	11	\$ 3,850.00	10	\$ 3,500.00		\$ -		\$ -		\$ -		\$ -
	2104.502	REMOVE SIGNAL FOUNDATION	EACH	\$ 500.00	4	\$ 2,000.00		\$ -		\$ -		\$ -		\$ -		\$ -
	2104.502	REMOVE DELINEATOR / MARKER	EACH	\$ 25.00	1	\$ 25.00		\$ -		\$ -		\$ -		\$ -		\$ -
	2104.502	REMOVE SIGN	EACH	\$ 65.00	81	\$ 5,265.00	43	\$ 2,795.00		\$ -		\$ -		\$ -		\$ -
	2104.502	REMOVE SIGN TYPE SPECIAL	EACH	\$ 55.00	1	\$ 55.00		\$ -		\$ -		\$ -		\$ -		\$ -
	2104.502	REMOVE SIGNAL SYSTEM A	EACH	\$ 11,000.00	1	\$ 11,000.00	0.5	\$ 5,500.00		\$ -		\$ -		\$ -		\$ -
	2104.502	REMOVE SIGNAL SYSTEM B	EACH	\$ 11,000.00	1	\$ 11,000.00	1	\$ 11,000.00		\$ -		\$ -		\$ -		\$ -
	2104.502	REMOVE LIGHT FOUNDATION	EACH	\$ 350.00	11	\$ 3,850.00	10	\$ 3,500.00		\$ -		\$ -		\$ -		\$ -
	2104.502	SALVAGE HISTORIC MARKER	EACH	\$ 500.00	1	\$ 500.00		\$ -		\$ -		\$ -		\$ -		\$ -
	2104.502	SALVAGE SIGN	EACH	\$ 70.00	28	\$ 1,960.00	20	\$ 1,400.00		\$ -		\$ -		\$ -		\$ -
	2104.502	SALVAGE SIGN TYPE SPECIAL	EACH	\$ 75.00	17	\$ 1,275.00	14	\$ 1,050.00		\$ -		\$ -		\$ -		\$ -
	2104.502	SALVAGE BENCH	EACH	\$ 250.00	1	\$ 250.00		\$ -		\$ -		\$ -		\$ -		\$ -
	2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	\$ 5.00	262	\$ 1,310.00	222	\$ 1,110.00		\$ -		\$ -		\$ -		\$ -
	2104.503	SAWING BIT PAVEMENT (FULL DEPTH)	LIN FT	\$ 3.00	2366	\$ 7,098.00	1649	\$ 4,947.00		\$ -		\$ -		\$ -		\$ -
	2104.503	REMOVE PIPE DRAIN	LIN FT	\$ 3.00	1432	\$ 4,296.00	1432	\$ 4,296.00		\$ -		\$ -		\$ -		\$ -
	2104.503	REMOVE PIPE CULVERTS	LIN FT	\$ 15.00	662	\$ 9,930.00	662	\$ 9,930.00		\$ -		\$ -		\$ -		\$ -
	2104.503	REMOVE WATER MAIN	LIN FT	\$ 15.00	9539	\$ 143,085.00		\$ -		\$ -		\$ -		\$ -	6742	\$ 101,130.00
	2104.503	REMOVE SEWER PIPE (STORM)	LIN FT	\$ 15.00	3428	\$ 51,420.00	1970	\$ 29,550.00		\$ -		\$ -		\$ -		\$ -
	2104.503	REMOVE SEWER PIPE (SANITARY)	LIN FT	\$ 20.00	4907	\$ 98,140.00		\$ -		\$ -		\$ -		\$ -	3778	\$ 75,560.00
	2104.503	REMOVE CURB & GUTTER	LIN FT	\$ 5.00	8292	\$ 41,460.00	3918	\$ 19,590.00		\$ -		\$ -		\$ -		\$ -
	2104.503	REMOVE STEEL CASING	LIN FT	\$ 20.00	372	\$ 7,440.00		\$ -		\$ -		\$ -		\$ -	372	\$ 7,440.00
	2104.503	REMOVE SANITARY SERVICE PIPE	LIN FT	\$ 20.00	2541	\$ 50,820.00		\$ -		\$ -		\$ -		\$ -	2374	\$ 47,480.00
	2104.503	REMOVE WATER SERVICE PIPE	LIN FT	\$ 20.00	3549	\$ 70,980.00		\$ -		\$ -		\$ -		\$ -	2957	\$ 59,140.00
	2104.503	REMOVE CHAIN LINK FENCE	LIN FT	\$ 35.00	140	\$ 4,900.00	70	\$ 2,450.00		\$ -		\$ -		\$ -		\$ -
	2104.503	REMOVE WOOD FENCE	LIN FT	\$ 35.00	85	\$ 2,975.00	85	\$ 2,975.00		\$ -		\$ -		\$ -		\$ -
	2104.504	REMOVE CONCRETE MEDIAN	SQ YD	\$ 6.00	418	\$ 2,508.00		\$ -		\$ -		\$ -		\$ -		\$ -
	2104.504	REMOVE CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$ 10.00	397	\$ 3,970.00	347	\$ 3,470.00		\$ -		\$ -		\$ -		\$ -
	2104.504	REMOVE CONCRETE PAVEMENT	SQ YD	\$ 10.00	6604	\$ 66,040.00		\$ -		\$ -		\$ -		\$ -		\$ -
	2104.504	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	SQ YD	\$ 3.00	4108	\$ 12,324.00	3161	\$ 9,483.00		\$ -		\$ -		\$ -		\$ -
	2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	\$ 4.00	51666	\$ 206,664.00	35805	\$ 143,220.00		\$ -		\$ -		\$ -		\$ -
	2104.518	REMOVE BITUMINOUS WALK	SQ FT	\$ 1.00	12516	\$ 12,516.00	3880	\$ 3,880.00		\$ -		\$ -		\$ -		\$ -
	2104.518	REMOVE CONCRETE WALK	SQ FT	\$ 2.00	5242	\$ 10,484.00	3234	\$ 6,468.00		\$ -		\$ -		\$ -		\$ -
	2106.507	EXCAVATION - COMMON	CU YD	\$ 7.00	48822	\$ 341,754.00	38419	\$ 268,933.00		\$ -	686	\$ 4,802.00		\$ -		\$ -
	2106.507	EXCAVATION - SUBGRADE	CU YD	\$ 8.00	29159	\$ 233,272.00	21469	\$ 171,752.00		\$ -	565	\$ 4,520.00		\$ -		\$ -
	2106.507	EXCAVATION - CHANNEL AND POND	CU YD	\$ 9.00	32273	\$ 290,457.00	32273	\$ 290,457.00		\$ -		\$ -		\$ -		\$ -
	2106.507	SELECT GRANULAR EMBANKMENT (CV)	CU YD	\$ 10.00	30968	\$ 309,680.00	22174	\$ 221,740.00		\$ -	764	\$ 7,640.00		\$ -		\$ -
	2106.507	COMMON EMBANKMENT (CV)	CU YD	\$ 5.00	26219	\$ 131,095.00	13827	\$ 69,135.00		\$ -	5933	\$ 29,665.00		\$ -		\$ -
	2112.519	SUBGRADE PREPARATION	ROAD STA	\$ 200.00	100	\$ 20,000.00	64	\$ 12,800.00		\$ -		\$ -		\$ -		\$ -
	2123.610	STREET SWEEPER (WITH PICKUP BROOM)	HOUR	\$ 325.00	100	\$ 32,500.00	64	\$ 20,800.00		\$ -		\$ -		\$ -		\$ -
	2211.507	AGGREGATE BASE (CV) CLASS 5	CU YD	\$ 25.00	8112	\$ 202,800.00	5032	\$ 125,800.00		\$ -	954	\$ 23,850.00		\$ -		\$ -
	2232.504	MILL BITUMINOUS SURFACE (2.0")	SQ YD	\$ 1.50	3373	\$ 5,059.50	3373	\$ 5,059.50		\$ -		\$ -		\$ -		\$ -
	2301.504	CONCRETE PAVEMENT 5"	SQ YD	\$ 40.00	397	\$ 15,880.00	397	\$ 15,880.00		\$ -		\$ -		\$ -		\$ -
	2301.504	CONCRETE PAVEMENT 8.0"	SQ YD	\$ 60.00	2189	\$ 131,340.00		\$ -		\$ -		\$ -		\$ -		\$ -
	2360.509	TYPE SP 9.5 WEARING COURSE MIX (3,C)	TON	\$ 70.00	5869	\$ 410,830.00	4504	\$ 315,280.00		\$ -		\$ -		\$ -		\$ -
	2360.509	TYPE SP 12.5 NON WEAR COURSE MIX (3,B)	TON	\$ 60.00	7105	\$ 426,300.00	5156	\$ 309,360.00		\$ -		\$ -		\$ -		\$ -
	2360.509	TYPE SP 12.5 WEARING COURSE MIX (3,C)	TON	\$ 60.00	5072	\$ 304,320.00	3772	\$ 226,320.00		\$ -		\$ -		\$ -		\$ -
	2451.507	FINE FILTER AGGREGATE (CV)	CU YD	\$ 40.00	742	\$ 29,680.00		\$ -	742	\$ 29,680.00		\$ -		\$ -		\$ -
	2501.502	15" RC PIPE APRON	EACH	\$ 1,200.00	3	\$ 3,600.00		\$ -	3	\$ 3,600.00		\$ -		\$ -		\$ -
	2501.502	21" RC PIPE APRON	EACH	\$ 1,400.00	1	\$ 1,400.00		\$ -	1	\$ 1,400.00		\$ -		\$ -		\$ -
	2501.502	30" RC PIPE APRON	EACH	\$ 1,800.00	2	\$ 3,600.00		\$ -	2	\$ 3,600.00		\$ -		\$ -		\$ -
	2501.502	36" RC PIPE APRON	EACH	\$ 2,000.00	1	\$ 2,000.00		\$ -	1	\$ 2,000.00		\$ -		\$ -		\$ -
	2502.503	4" PERF TP PIPE DRAIN	LIN FT	\$ 12.00	20113	\$ 241,356.00		\$ -	14723	\$ 176,676.00		\$ -		\$ -		\$ -
	2503.502	FLAP GATE FOR 12" RC PIPE	EACH	\$ 1,000.00	2	\$ 2,000.00		\$ -	2	\$ 2,000.00		\$ -		\$ -		\$ -
	2503.503	12" RC PIPE SEWER DES 3006 CL V	LIN FT	\$ 75.00	83	\$ 6,225.00		\$ -	83	\$ 6,225.00		\$ -		\$ -		\$ -
	2503.503	15" RC PIPE SEWER DES 3006 CL V	LIN FT	\$ 78.00	4994	\$ 389,532.00		\$ -	2693	\$ 210,054.00		\$ -		\$ -		\$ -
	2503.503	18" RC PIPE SEWER DES 3006	LIN FT	\$ 79.00	658	\$ 51,982.00		\$ -	658	\$ 51,982.00		\$ -		\$ -		\$ -
	2503.503	18" RC PIPE SEWER DES 3006 CL V	LIN FT	\$ 80.00	342	\$ 27,360.00		\$ -	223	\$ 17,840.00		\$ -		\$ -		\$ -
	2503.503	21" RC PIPE SEWER DES 3006	LIN FT	\$ 89.00	1241	\$ 110,449.00		\$ -	723	\$ 64,347.00		\$ -		\$ -		\$ -
	2503.503	21" RC PIPE SEWER DES 3006 CL V	LIN FT	\$ 95.00	188	\$ 17,860.00		\$ -	188	\$ 17,860.00		\$ -		\$ -		\$ -
	2503.503	24" RC PIPE SEWER DES 3006	LIN FT	\$ 99.00	489	\$ 48,411.00		\$ -	489	\$ 48,411.00		\$ -		\$ -		\$ -
	2503.503	24" RC PIPE SEWER DES 3006 CL V	LIN FT	\$ 105.00	56	\$ 5,880.00		\$ -	56	\$ 5,880.00		\$ -		\$ -		\$ -
	2503.503	27" RC PIPE SEWER DES 3006	LIN FT	\$ 116.00	1450	\$ 168,200.00		\$ -	1450	\$ 168,200.00		\$ -		\$ -		\$ -
	2503.503	30" RC PIPE SEWER DES 3006	LIN FT	\$ 143.00	545	\$ 77,935.00		\$ -	545	\$ 77,935.00		\$ -		\$ -		\$ -
	2503.503	30" RC PIPE SEWER DES 3006 CL III	LIN FT	\$ 145.00	1376	\$ 199,520.00		\$ -	1376	\$ 199,520.00		\$ -		\$ -		\$ -
	2503.503	30" RC PIPE SEWER DES														

ENGINEER'S ESTIMATE OF PROBABLE CONSTRUCTION COST
HODGSON ROAD (CSAH 49) RECONSTRUCTION
SHOREVIEW VADNAIS HEIGHTS, MN

NOTES	ITEM NO.	ITEM DESCRIPTION	UNIT	UNIT COST	TOTAL		CSAH 49 (HODGSON ROAD)								
							PARTICIPATING				NON-PARTICIPATING				
							RAMSEY COUNTY S.A.P. 062-649-050				CITY OF SHOREVIEW S.A.P. 167-020-024				
							ROADWAY		STORM SEWER		ROADWAY		STORM SEWER		CITY OF SHOREVIEW
QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT				
	2503.602	CONNECT TO EXISTING SANITARY SEWER	EACH	\$ 2,000.00	7	\$ 14,000.00							6	\$ 12,000.00	
	2503.602	CONNECT TO EXISTING MANHOLES (SAN)	EACH	\$ 1,500.00	1	\$ 1,500.00									
	2503.602	CONNECT TO EXISTING STORM SEWER	EACH	\$ 1,250.00	7	\$ 8,750.00			7	\$ 8,750.00					
	2503.602	CONNECT TO EXISTING SANITARY SEWER SER	EACH	\$ 1,000.00	60	\$ 60,000.00							47	\$ 47,000.00	
	2503.602	9"X4" PVC WYE	EACH	\$ 425.00	22	\$ 9,350.00							10	\$ 4,250.00	
	2503.602	10"X4" PVC WYE	EACH	\$ 500.00	36	\$ 18,000.00							36	\$ 18,000.00	
	2503.603	8" PVC PIPE SEWER	LIN FT	\$ 75.00	190	\$ 14,250.00									
	2503.603	9" PVC PIPE SEWER	LIN FT	\$ 82.00	2015	\$ 165,230.00							1085	\$ 88,970.00	
	2503.603	10" PVC PIPE SEWER	LIN FT	\$ 90.00	2746	\$ 247,140.00							2746	\$ 247,140.00	
	2503.603	4" PVC SANITARY SERVICE PIPE	LIN FT	\$ 50.00	2275	\$ 113,750.00							1849	\$ 92,450.00	
	2504.602	CONNECT TO EXISTING WATER MAIN	EACH	\$ 2,000.00	25	\$ 50,000.00							17	\$ 34,000.00	
	2504.602	CONNECT TO EXISTING WATER SERVICE	EACH	\$ 1,000.00	67	\$ 67,000.00							52	\$ 52,000.00	
	2504.602	HYDRANT	EACH	\$ 6,500.00	14	\$ 91,000.00							6	\$ 39,000.00	
	2504.602	1" CORPORATION STOP	EACH	\$ 800.00	67	\$ 53,600.00							52	\$ 41,600.00	
	2504.602	18" BUTTERFLY VALVE & BOX	EACH	\$ 7,500.00	19	\$ 142,500.00							15	\$ 112,500.00	
	2504.602	6" GATE VALVE & BOX	EACH	\$ 2,500.00	34	\$ 85,000.00							21	\$ 52,500.00	
	2504.602	8" GATE VALVE & BOX	EACH	\$ 3,250.00	8	\$ 26,000.00							3	\$ 9,750.00	
	2504.602	12" GATE VALVE & BOX	EACH	\$ 5,000.00	1	\$ 5,000.00							1	\$ 5,000.00	
	2504.602	1" CURB STOP & BOX	EACH	\$ 1,000.00	67	\$ 67,000.00							52	\$ 52,000.00	
	2504.603	1" TYPE PE PIPE	LIN FT	\$ 20.00	2732	\$ 54,640.00							2115	\$ 42,300.00	
	2504.603	6" WATERMAIN DUCTILE IRON CL 52	LIN FT	\$ 65.00	94	\$ 6,110.00							21	\$ 1,365.00	
	2504.603	8" WATERMAIN DUCTILE IRON CL 52	LIN FT	\$ 80.00	1086	\$ 86,880.00									
	2504.603	12" WATERMAIN DUCTILE IRON CL 52	LIN FT	\$ 100.00	31	\$ 3,100.00							31	\$ 3,100.00	
	2504.603	6" PVC WATERMAIN	LIN FT	\$ 90.00	1586	\$ 142,740.00							572	\$ 51,480.00	
	2504.603	8" PVC WATERMAIN	LIN FT	\$ 105.00	180	\$ 18,900.00							180	\$ 18,900.00	
	2504.603	18" PVC WATERMAIN	LIN FT	\$ 125.00	6659	\$ 832,375.00							5610	\$ 701,250.00	
	2504.604	4" POLYSTYRENE INSULATION	SQ YD	\$ 65.00	37	\$ 2,405.00			7	\$ 455.00			15	\$ 975.00	
	2504.608	WATERMAIN FITTINGS	POUND	\$ 15.00	3000	\$ 45,000.00							1520	\$ 22,800.00	
	2506.502	CONST DRAINAGE STRUCTURE DESIGN SPEC 2	EACH	\$ 6,000.00	3	\$ 18,000.00			3	\$ 18,000.00					
	2506.502	CONST DRAINAGE STRUCTURE DESIGN SPEC 3	EACH	\$ 6,000.00	1	\$ 6,000.00			1	\$ 6,000.00					
	2506.502	CONST DRAINAGE STRUCTURE DESIGN SPEC 4	EACH	\$ 12,500.00	1	\$ 12,500.00			1	\$ 12,500.00					
	2506.502	CONST DRAINAGE STRUCTURE DESIGN SPEC 5	EACH	\$ 12,500.00	1	\$ 12,500.00			1	\$ 12,500.00					
	2506.502	CONST DRAINAGE STRUCTURE DESIGN SPEC 6	EACH	\$ 12,500.00	1	\$ 12,500.00			1	\$ 12,500.00					
	2506.502	CONST DRAINAGE STRUCTURE DESIGN SPEC 7	EACH	\$ 12,500.00	1	\$ 12,500.00			1	\$ 12,500.00					
	2506.502	CASTING ASSEMBLY	EACH	\$ 1,000.00	212	\$ 212,000.00			127	\$ 127,000.00			25	\$ 25,000.00	
	2506.503	CONST DRAINAGE STRUCTURE DESIGN F	LIN FT	\$ 500.00	122	\$ 61,000.00			93	\$ 46,500.00					
	2506.503	CONST DRAINAGE STRUCTURE DESIGN G	LIN FT	\$ 500.00	79	\$ 39,500.00			36	\$ 18,000.00					
	2506.503	CONST DRAINAGE STRUCTURE DESIGN H	LIN FT	\$ 500.00	114	\$ 57,000.00			107	\$ 53,500.00					
	2506.503	CONST DRAINAGE STRUCTURE DESIGN N	LIN FT	\$ 500.00	59	\$ 29,500.00			48	\$ 24,000.00					
	2506.503	CONST DRAINAGE STRUCTURE DESIGN SD-48	LIN FT	\$ 800.00	16	\$ 12,800.00			12	\$ 9,600.00					
	2506.503	CONST DRAINAGE STRUCTURE DESIGN SD-60	LIN FT	\$ 1,200.00	12	\$ 14,400.00			12	\$ 14,400.00					
	2506.503	CONST DRAINAGE STRUCTURE DESIGN SD-72	LIN FT	\$ 1,500.00	6	\$ 9,000.00			6	\$ 9,000.00					
	2506.503	CONST DRAINAGE STRUCTURE DESIGN SPEC 1	LIN FT	\$ 500.00	52	\$ 26,000.00			20	\$ 10,000.00					
	2506.503	CONST DRAINAGE STRUCTURE DES 48-4020	LIN FT	\$ 600.00	444.44	\$ 266,664.00			64.00	\$ 38,400.00			212.69	\$ 127,614.00	
	2506.503	CONST DRAINAGE STRUCTURE DES 54-4020	LIN FT	\$ 750.00	128	\$ 96,000.00			117	\$ 87,750.00					
	2506.503	CONST DRAINAGE STRUCTURE DES 60-4020	LIN FT	\$ 900.00	74	\$ 66,600.00			74	\$ 66,600.00					
	2506.503	CONST DRAINAGE STRUCTURE DES 66-4020	LIN FT	\$ 1,000.00	35	\$ 35,000.00			35	\$ 35,000.00					
	2506.503	CONST DRAINAGE STRUCTURE DES 72-4020	LIN FT	\$ 1,100.00	70	\$ 77,000.00			70	\$ 77,000.00					
	2506.503	CONST DRAINAGE STRUCTURE DES 78-4020	LIN FT	\$ 1,200.00	25	\$ 30,000.00			25	\$ 30,000.00					
	2506.503	CONST DRAINAGE STRUCTURE DES 84-4020	LIN FT	\$ 1,400.00	7	\$ 9,800.00			7	\$ 9,800.00					
	2506.602	INSTALL CONTROL STRUCTURE	EACH	\$ 600,000.00	1	\$ 600,000.00			1	\$ 600,000.00					
	2511.504	GEOTEXTILE FILTER TYPE 4	SQ YD	\$ 16.00	136	\$ 2,176.00			136	\$ 2,176.00					
	2511.507	RANDOM RIPRAP CLASS II	CU YD	\$ 100.00	19	\$ 1,900.00			19	\$ 1,900.00					
	2511.507	RANDOM RIPRAP CLASS III	CU YD	\$ 100.00	17	\$ 1,700.00			17	\$ 1,700.00					
	2521.518	4" CONCRETE WALK	SQ FT	\$ 6.00	39939	\$ 239,634.00	2830	\$ 16,980.00			23460	\$ 140,760.00			
	2521.518	6" CONCRETE WALK	SQ FT	\$ 10.00	11885	\$ 118,850.00	2185	\$ 21,850.00			6212	\$ 62,120.00			
	2521.518	8" CONCRETE WALK	SQ FT	\$ 8.00	1430	\$ 11,440.00									
	2521.518	2" BITUMINOUS WALK	SQ FT	\$ 2.00	48947	\$ 97,894.00	37781	\$ 75,562.00			888	\$ 1,776.00			
	2521.602	DRILL & GROUT REINF BAR (EPOXY COATED)	EACH	\$ 50.00	1055	\$ 52,750.00	214	\$ 10,700.00			508	\$ 25,400.00			
	2531.503	CONCRETE CURB & GUTTER DESIGN B612	LIN FT	\$ 30.00	261	\$ 7,830.00									
	2531.503	CONCRETE CURB & GUTTER DESIGN B618	LIN FT	\$ 30.00	4978	\$ 149,340.00	1780	\$ 53,400.00			106	\$ 3,180.00			
	2531.503	CONCRETE CURB & GUTTER DESIGN B624	LIN FT	\$ 30.00	17368	\$ 521,040.00	1776	\$ 53,280.00			10474	\$ 314,220.00			
	2531.503	CONCRETE CURB & GUTTER DESIGN D418	LIN FT	\$ 50.00	643	\$ 32,150.00	552	\$ 27,600.00							
	2531.503	CONCRETE CURB & GUTTER DESIGN D424	LIN FT	\$ 60.00	446	\$ 26,760.00									
	2531.503	CONCRETE CURB DESIGN SPECIAL	LIN FT	\$ 50.00	590	\$ 29,500.00	590	\$ 29,500.00							
	2531.504	6" CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$ 70.00	1581	\$ 110,670.00	1425	\$ 99,750.00							
	2531.604	7" CONCRETE VALLEY GUTTER	SQ YD	\$ 125.00	8	\$ 1,000.00									
	2531.618	TRUNCATED DOMES	SQ FT	\$ 55.00	1643	\$ 90,365.00	266	\$ 14,630.00			833	\$ 45,815.00			
	2540.601	RELOCATE BUS SHELTER	LUMP SUM	\$ 5,000.00	1	\$ 5,000.00									
	2540.602	INSTALL BENCH	EACH	\$ 500.00	1	\$ 500.00									
	2540.602	RELOCATE MAIL BOX SUPPORT	EACH	\$ 150.00	66	\$ 9,900.00	55	\$ 8,250.00							
	2545.501	LIGHTING SYSTEM "A"	LUMP SUM	\$ 110,000.00	1.00	\$ 110,000.00	0.50	\$ 55,000.00							
	2545.501	LIGHTING SYSTEM "B"	LUMP SUM	\$ 95,000.00	1.00	\$ 95,000.00	0.50	\$ 47,500.00			0.50	\$ 47,500.00			
	2554.502	GUIDE POST TYPE B	EACH	\$ 80.00	13	\$ 1,040.00			12	\$ 960.00					
	2557.503	WIRE FENCE DESIGN 48-9322	LIN FT	\$ 75.00	140	\$ 10,500.00	70	\$ 5,250.00							
	2557.603	WOODEN FENCE	LIN FT	\$ 75.00	85	\$ 6,375.00	85	\$ 6,375.00							
	2563.601	TRAFFIC CONTROL	LUMP SUM	\$ 100,000.00	1.00	\$ 100,000.00	0.30	\$ 30,000.00	0.21	\$ 21,000.00	0.06	\$ 6,000.00		0.18	\$ 18,000.00
	2563.613	PORTABLE CHANGEABLE MESSAGE SIGN	UNIT DAY	\$ 100.00	240	\$ 24,000.00	240	\$ 24,000.00							

ENGINEER'S ESTIMATE OF PROBABLE CONSTRUCTION COST
HODGSON ROAD (CSAH 49) RECONSTRUCTION
SHOREVIEW VADNAIS HEIGHTS, MN

NOTES	ITEM NO.	ITEM DESCRIPTION	UNIT	UNIT COST	CSAH 49 (HODGSON ROAD)											
					PARTICIPATING						NON-PARTICIPATING					
					RAMSEY COUNTY S.A.P. 062-649-050						CITY OF SHOREVIEW S.A.P. 167-020-024					
					ROADWAY		STORM SEWER		ROADWAY		STORM SEWER		CITY OF SHOREVIEW			
QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT							
	2564.602	INSTALL SIGN	EACH	\$ 600.00	28	\$ 16,800.00	20	\$ 12,000.00		\$ -		\$ -		\$ -		
	2564.602	INSTALL SIGN TYPE SPECIAL	EACH	\$ 600.00	17	\$ 10,200.00	14	\$ 8,400.00		\$ -		\$ -		\$ -		
	2564.602	DELINEATOR / MARKER	EACH	\$ 140.00	13	\$ 1,820.00	6	\$ 840.00		\$ -		\$ -		\$ -		
	2564.618	SIGN	SQ FT	\$ 42.00	873.86	\$ 36,702.12	529.38	\$ 22,233.96		\$ -		\$ -		\$ -		
	2565.501	EMERGENCY VEHICLE PREEMPTION SYSTEM	LUMP SUM	\$ 10,100.00	1	\$ 10,100.00	1	\$ 10,100.00		\$ -		\$ -		\$ -		
	2565.516	TRAFFIC CONTROL SIGNAL SYSTEM	SYSTEM	\$ 310,000.00	1	\$ 310,000.00	1	\$ 310,000.00		\$ -		\$ -		\$ -		
	2571.602	TREE PROTECTION	EACH	\$ 500.00	40	\$ 20,000.00	10	\$ 5,000.00		\$ -		\$ -		\$ -		
	2573.501	STABILIZED CONSTRUCTION EXIT	LUMP SUM	\$ 15,000.00	1.00	\$ 15,000.00	0.30	\$ 4,500.00	0.21	\$ 3,150.00	0.06	\$ 900.00		\$ 2,700.00		
	2573.502	STORM DRAIN INLET PROTECTION	EACH	\$ 175.00	154	\$ 26,950.00	104	\$ 18,200.00		\$ -		\$ -		\$ -		
	2573.503	SILT FENCE, TYPE MS	LIN FT	\$ 2.00	4000	\$ 8,000.00	1000	\$ 2,000.00		\$ -		\$ -		\$ -		
	2573.503	SEDIMENT CONTROL LOG TYPE STRAW	LIN FT	\$ 2.00	4000	\$ 8,000.00	1000	\$ 2,000.00		\$ -		\$ -		\$ -		
	2574.505	SUBSOILING	ACRE	\$ 5,000.00	1.68	\$ 8,400.00	1.68	\$ 8,400.00		\$ -		\$ -		\$ -		
	2574.505	SOIL BED PREPARATION	ACRE	\$ 5,000.00	10.25	\$ 51,250.00	6.45	\$ 32,250.00		\$ -		\$ -		\$ -		
	2574.507	FILTER TOPSOIL BORROW	CU YD	\$ 52.00	820	\$ 42,640.00		\$ -	820	\$ 42,640.00		\$ -		\$ -		
	2574.507	BOULEVARD TOPSOIL BORROW	CU YD	\$ 50.00	225	\$ 11,250.00		\$ -		\$ -		\$ -		\$ -		
	2574.508	FERTILIZER TYPE 3	POUND	\$ 1.00	2997	\$ 2,997.00	1668	\$ 1,668.00		\$ -		\$ -		\$ -		
	2574.508	FERTILIZER TYPE 4	POUND	\$ 1.00	202	\$ 202.00	202	\$ 202.00		\$ -		\$ -		\$ -		
	2575.504	ROLLED EROSION PREVENTION CATEGORY 10	SQ YD	\$ 2.00	8130	\$ 16,260.00	8130	\$ 16,260.00		\$ -		\$ -		\$ -		
	2575.504	ROLLED EROSION PREVENTION CATEGORY 15	SQ YD	\$ 2.00	40820	\$ 81,640.00	22806	\$ 45,612.00		\$ -		\$ -		\$ -		
	2575.504	ROLLED EROSION PREVENTION CATEGORY 25	SQ YD	\$ 2.00	595	\$ 1,190.00	253	\$ 506.00		\$ -		\$ -		\$ -		
	2575.505	SEEDING	ACRE	\$ 5,000.00	10.25	\$ 51,250.00	6.45	\$ 32,250.00		\$ -		\$ -		\$ -		
	2575.505	MOWING	ACRE	\$ 2,500.00	7.70	\$ 19,250.00	4.80	\$ 12,000.00		\$ -		\$ -		\$ -		
	2575.505	WEED SPRAYING	ACRE	\$ 2,500.00	5.10	\$ 12,750.00	3.20	\$ 8,000.00		\$ -		\$ -		\$ -		
	2575.505	RAPID STABILIZATION METHOD 2	ACRE	\$ 1,000.00	1.68	\$ 1,680.00	1.68	\$ 1,680.00		\$ -		\$ -		\$ -		
	2575.506	WEED SPRAY MIXTURE	GALLON	\$ 100.00	5.10	\$ 510.00	3.20	\$ 320.00		\$ -		\$ -		\$ -		
	2575.508	SEED MIXTURE 25-151	POUND	\$ 5.00	1028	\$ 5,140.00	572	\$ 2,860.00		\$ -		\$ -		\$ -		
	2575.508	SEED MIXTURE 33-261	POUND	\$ 30.00	15	\$ 450.00	15	\$ 450.00		\$ -		\$ -		\$ -		
	2575.508	SEED MIXTURE 35-241	POUND	\$ 20.00	46	\$ 920.00	46	\$ 920.00		\$ -		\$ -		\$ -		
	2575.523	WATER	M GALLON	\$ 15.00	1024	\$ 15,360.00	644	\$ 9,660.00		\$ -		\$ -		\$ -		
	2582.503	4" SOLID LINE MULTI COMP GR IN (WR)	LIN FT	\$ 0.70	24859	\$ 17,401.30	20238	\$ 14,166.60		\$ -		\$ -		\$ -		
	2582.503	24" SOLID LINE MULTI COMP GR IN (WR)	LIN FT	\$ 15.00	390	\$ 5,850.00	200	\$ 3,000.00		\$ -		\$ -		\$ -		
	2582.503	4" BROKEN LINE MULTI COMP GR IN (WR)	LIN FT	\$ 0.70	1920	\$ 1,344.00	1920	\$ 1,344.00		\$ -		\$ -		\$ -		
	2582.503	4" DOTTED LINE MULTI COMP GR IN (WR)	LIN FT	\$ 1.30	106	\$ 137.80	106	\$ 137.80		\$ -		\$ -		\$ -		
	2582.503	4" DBLE SOLID LINE MULTI COMP GR IN (WR)	LIN FT	\$ 8.00	3983	\$ 31,864.00	1968	\$ 15,744.00		\$ -		\$ -		\$ -		
	2582.503	4" SOLID LINE MULTI COMP GR IN (WR) CONT	LIN FT	\$ 1.50	942	\$ 1,413.00		\$ -		\$ -		\$ -		\$ -		
	2582.503	4" DOTTED LINE MULTI COMP GR IN (WR) CONT	LIN FT	\$ 2.70	77	\$ 207.90		\$ -		\$ -		\$ -		\$ -		
	2582.518	PAVT MSSG PREF THERMO GR IN	SQ FT	\$ 26.00	943	\$ 24,518.00	897	\$ 23,322.00		\$ -		\$ -		\$ -		
	2582.518	PAVT MSSG PREF THERMO GR IN ESR	SQ FT	\$ 22.00	2080	\$ 45,760.00	1520	\$ 33,440.00		\$ -		\$ -		\$ -		
		SUBTOTAL				\$ 12,863,380.62	\$ 3,793,811.86	\$ 2,747,497.00	\$ 756,848.00	\$ -	\$ -	\$ 2,354,994.00				
		CONTINGENCY				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				
		TOTAL				\$ 12,863,380.62	\$ 3,793,811.86	\$ 2,747,497.00	\$ 756,848.00	\$ -	\$ -	\$ 2,354,994.00				

NOTES
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 (P)

FUNDING NOTES
 (A)
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 (E)

ENGINEER'S ESTIMATE OF PROBABLE CONSTRUCTION COST
HODGSON ROAD (CSAH 49) RECONSTRUCTION
SHOREVIEW VADNAIS HEIGHTS, MN

NOTES	ITEM NO.	ITEM DESCRIPTION	UNIT	UNIT COST	TOTAL	ENGINEER'S ESTIMATE																		
						PARTICIPATING										NON-PARTICIPATING								
						RAMSEY COUNTY					CITY OF SHOREVIEW					CITY OF VADNAIS HEIGHTS					CITY OF SHOREVIEW		CITY OF VADNAIS HEIGHTS	
						S.A.P. 062-654-005					S.A.P. 167-020-023					S.A.P. XXX-XXX-XXX								
						ROADWAY		STORM SEWER			ROADWAY		STORM SEWER			ROADWAY		STORM SEWER						
QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT					
	2021.501	MOBILIZATION	LUMP SUM	\$ 645,000.00	1.00	\$ 645,000.00	0.10	\$ 64,500.00	0.03	\$ 19,350.00	0.01	\$ 6,450.00		\$ -		\$ -		\$ -		\$ -	0.04	\$ 25,800.00		
	2101.502	CLEARING	EACH	\$ 165.00	50	\$ 8,250.00	7	\$ 1,155.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2101.502	GRUBBING	EACH	\$ 125.00	50	\$ 6,250.00	7	\$ 875.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2101.505	CLEARING	ACRE	\$ 5,700.00	1.01	\$ 5,757.00	0.12	\$ 684.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2101.505	GRUBBING	ACRE	\$ 4,500.00	1.01	\$ 4,545.00	0.12	\$ 540.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2104.502	REMOVE MANHOLE	EACH	\$ 750.00	21	\$ 15,750.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -	1	\$ 750.00		
	2104.502	REMOVE GATE VALVE & BOX	EACH	\$ 500.00	37	\$ 18,500.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -	10	\$ 5,000.00		
	2104.502	REMOVE CURB STOP & BOX	EACH	\$ 350.00	2	\$ 700.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -	2	\$ 700.00		
	2104.502	REMOVE HYDRANT	EACH	\$ 1,000.00	12	\$ 12,000.00	5	\$ 5,000.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2104.502	REMOVE DRAINAGE STRUCTURE	EACH	\$ 450.00	52	\$ 23,400.00	14	\$ 6,300.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2104.502	REMOVE LIGHT POLE	EACH	\$ 350.00	11	\$ 3,850.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2104.502	REMOVE SIGNAL FOUNDATION	EACH	\$ 500.00	4	\$ 2,000.00	4	\$ 2,000.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2104.502	REMOVE DELINEATOR / MARKER	EACH	\$ 25.00	1	\$ 25.00	1	\$ 25.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2104.502	REMOVE SIGN	EACH	\$ 65.00	81	\$ 5,265.00	31	\$ 2,015.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2104.502	REMOVE SIGN TYPE SPECIAL	EACH	\$ 55.00	1	\$ 55.00	1	\$ 55.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2104.502	REMOVE SIGNAL SYSTEM A	EACH	\$ 11,000.00	1	\$ 11,000.00	0.25	\$ 2,750.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2104.502	REMOVE SIGNAL SYSTEM B	EACH	\$ 11,000.00	1	\$ 11,000.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2104.502	REMOVE LIGHT FOUNDATION	EACH	\$ 350.00	11	\$ 3,850.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2104.502	SALVAGE HISTORIC MARKER	EACH	\$ 500.00	1	\$ 500.00	1	\$ 500.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2104.502	SALVAGE SIGN	EACH	\$ 70.00	28	\$ 1,960.00	6	\$ 420.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2104.502	SALVAGE SIGN TYPE SPECIAL	EACH	\$ 75.00	17	\$ 1,275.00	3	\$ 225.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2104.502	SALVAGE BENCH	EACH	\$ 250.00	1	\$ 250.00	1	\$ 250.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	\$ 5.00	262	\$ 1,310.00	40	\$ 200.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2104.503	SAWING BIT PAVEMENT (FULL DEPTH)	LIN FT	\$ 3.00	2366	\$ 7,098.00	307	\$ 921.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2104.503	REMOVE PIPE DRAIN	LIN FT	\$ 3.00	1432	\$ 4,296.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2104.503	REMOVE PIPE CULVERTS	LIN FT	\$ 15.00	662	\$ 9,930.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2104.503	REMOVE WATER MAIN	LIN FT	\$ 15.00	9539	\$ 143,085.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -	842	\$ 12,630.00	1,143	\$ 17,145.00		
	2104.503	REMOVE SEWER PIPE (STORM)	LIN FT	\$ 15.00	3428	\$ 51,420.00	948	\$ 14,220.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2104.503	REMOVE SEWER PIPE (SANITARY)	LIN FT	\$ 20.00	4907	\$ 98,140.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -	181	\$ 3,620.00		
	2104.503	REMOVE CURB & GUTTER	LIN FT	\$ 5.00	8292	\$ 41,460.00	4173	\$ 20,865.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2104.503	REMOVE STEEL CASING	LIN FT	\$ 20.00	372	\$ 7,440.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2104.503	REMOVE SANITARY SERVICE PIPE	LIN FT	\$ 20.00	2541	\$ 50,820.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -	5	\$ 100.00		
	2104.503	REMOVE WATER SERVICE PIPE	LIN FT	\$ 20.00	3549	\$ 70,980.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -	74	\$ 1,480.00	57	\$ 1,140.00		
	2104.503	REMOVE CHAIN LINK FENCE	LIN FT	\$ 35.00	140	\$ 4,900.00	70	\$ 2,450.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2104.503	REMOVE WOOD FENCE	LIN FT	\$ 35.00	85	\$ 2,975.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2104.504	REMOVE CONCRETE MEDIAN	SQ YD	\$ 6.00	418	\$ 2,508.00	418	\$ 2,508.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2104.504	REMOVE CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$ 10.00	397	\$ 3,970.00	50	\$ 500.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2104.504	REMOVE CONCRETE PAVEMENT	SQ YD	\$ 10.00	6604	\$ 66,040.00	6604	\$ 66,040.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2104.504	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	SQ YD	\$ 3.00	4108	\$ 12,324.00	318	\$ 954.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	\$ 4.00	51666	\$ 206,664.00	11800	\$ 47,200.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2104.518	REMOVE BITUMINOUS WALK	SQ FT	\$ 1.00	12516	\$ 12,516.00	6830	\$ 6,830.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2104.518	REMOVE CONCRETE WALK	SQ FT	\$ 2.00	5242	\$ 10,484.00	1717	\$ 3,434.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2106.507	EXCAVATION - COMMON	CU YD	\$ 7.00	48822	\$ 341,754.00	6243	\$ 43,701.00		\$ -	74	\$ 518.00		\$ -		\$ -		\$ -		\$ -		\$ -		
	2106.507	EXCAVATION - SUBGRADE	CU YD	\$ 8.00	29159	\$ 233,272.00	4439	\$ 35,512.00		\$ -	24	\$ 192.00		\$ -	3	\$ 24.00		\$ -		\$ -		\$ -		
	2106.507	EXCAVATION - CHANNEL AND POND	CU YD	\$ 9.00	32273	\$ 290,457.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2106.507	SELECT GRANULAR EMBANKMENT (CV)	CU YD	\$ 10.00	30968	\$ 309,680.00	5181	\$ 51,810.00		\$ -	24	\$ 240.00		\$ -	3	\$ 30.00		\$ -		\$ -		\$ -		
	2106.507	COMMON EMBANKMENT (CV)	CU YD	\$ 5.00	26219	\$ 131,095.00	4009	\$ 20,045.00		\$ -	72	\$ 360.00		\$ -	29	\$ 145.00		\$ -		\$ -		\$ -		
	2112.519	SUBGRADE PREPARATION	ROAD STA	\$ 200.00	100	\$ 20,000.00	23	\$ 4,600.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2123.610	STREET SWEEPER (WITH PICKUP BROOM)	hour	\$ 325.00	100	\$ 32,500.00	23	\$ 7,475.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2211.507	AGGREGATE BASE (CV) CLASS 5	CU YD	\$ 25.00	8112	\$ 202,800.00	1357	\$ 33,925.00		\$ -	113	\$ 2,825.00		\$ -	4	\$ 100.00		\$ -		\$ -		\$ -		
	2232.504	MILL BITUMINOUS SURFACE (2.0")	SQ YD	\$ 1.50	3373	\$ 5,059.50		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2301.504	CONCRETE PAVEMENT 5"	SQ YD	\$ 40.00	397	\$ 15,880.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2301.504	CONCRETE PAVEMENT 8.0"	SQ YD	\$ 60.00	2189	\$ 131,340.00	1651	\$ 99,060.00		\$ -	538	\$ 32,280.00		\$ -		\$ -		\$ -		\$ -		\$ -		
	2360.509	TYPE SP 9.5 WEARING COURSE MIX (3,C)	TON	\$ 70.00	5869	\$ 410,830.00	870	\$ 60,900.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2360.509	TYPE SP 12.5 NON WEAR COURSE MIX (3,B)	TON	\$ 60.00	7105	\$ 426,300.00	1295	\$ 77,700.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2360.509	TYPE SP 12.5 WEARING COURSE MIX (3,C)	TON	\$ 60.00	5072	\$ 304,320.00	863	\$ 51,780.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2451.507	FINE FILTER AGGREGATE (CV)	CU YD	\$ 40.00	742	\$ 29,680.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2501.502	15" RC PIPE APRON	EACH	\$ 1,200.00	3	\$ 3,600.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2501.502	21" RC PIPE APRON	EACH	\$ 1,400.00	1	\$ 1,400.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2501.502	30" RC PIPE APRON	EACH	\$ 1,800.00	2	\$ 3,600.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		
	2501.502	36" RC PIPE APRON	EACH	\$ 2,000.00	1	\$ 2,000.00		\$ -		\$ -														

ENGINEER'S ESTIMATE OF PROBABLE CONSTRUCTION COST
HODGSON ROAD (CSAH 49) RECONSTRUCTION
SHOREVIEW VADNAIS HEIGHTS, MN

NOTES	ITEM NO.	ITEM DESCRIPTION	UNIT	UNIT COST	TOTAL		ENGINEER'S ESTIMATE													
							CSAH 54 (RICE STREET)													
							PARTICIPATING				NON-PARTICIPATING									
							RAMSEY COUNTY S.A.P. 062-654-005				CITY OF SHOREVIEW S.A.P. 167-020-023				CITY OF VADNAIS HEIGHTS S.A.P. XXX-XXX-XXX				CITY OF SHOREVIEW	
ROADWAY		STORM SEWER		ROADWAY		STORM SEWER		ROADWAY		STORM SEWER		ROADWAY		STORM SEWER		QUANTITY	AMOUNT	QUANTITY	AMOUNT	
QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	
	2503.602	CONNECT TO EXISTING SANITARY SEWER	EACH	\$ 2,000.00	7	\$ 14,000.00														
	2503.602	CONNECT TO EXISTING MANHOLES (SAN)	EACH	\$ 1,500.00	1	\$ 1,500.00													1	\$ 1,500.00
	2503.602	CONNECT TO EXISTING STORM SEWER	EACH	\$ 1,250.00	7	\$ 8,750.00														
	2503.602	CONNECT TO EXISTING SANITARY SEWER SER	EACH	\$ 1,000.00	60	\$ 60,000.00													1	\$ 1,000.00
	2503.602	9"X4" PVC WYE	EACH	\$ 425.00	22	\$ 9,350.00														
	2503.602	10"X4" PVC WYE	EACH	\$ 500.00	36	\$ 18,000.00														
	2503.603	8" PVC PIPE SEWER	LIN FT	\$ 75.00	190	\$ 14,250.00													190	\$ 14,250.00
	2503.603	9" PVC PIPE SEWER	LIN FT	\$ 82.00	2015	\$ 165,230.00														
	2503.603	10" PVC PIPE SEWER	LIN FT	\$ 90.00	2746	\$ 247,140.00														
	2503.603	4" PVC SANITARY SERVICE PIPE	LIN FT	\$ 50.00	2275	\$ 113,750.00														
	2504.602	CONNECT TO EXISTING WATER MAIN	EACH	\$ 2,000.00	25	\$ 50,000.00													6	\$ 12,000.00
	2504.602	CONNECT TO EXISTING WATER SERVICE	EACH	\$ 1,000.00	67	\$ 67,000.00													4	\$ 4,000.00
	2504.602	HYDRANT	EACH	\$ 6,500.00	14	\$ 91,000.00													6	\$ 39,000.00
	2504.602	1" CORPORATION STOP	EACH	\$ 800.00	67	\$ 53,600.00													4	\$ 3,200.00
	2504.602	18" BUTTERFLY VALVE & BOX	EACH	\$ 7,500.00	19	\$ 142,500.00													4	\$ 30,000.00
	2504.602	6" GATE VALVE & BOX	EACH	\$ 2,500.00	34	\$ 85,000.00													8	\$ 20,000.00
	2504.602	8" GATE VALVE & BOX	EACH	\$ 3,250.00	8	\$ 26,000.00													5	\$ 16,250.00
	2504.602	12" GATE VALVE & BOX	EACH	\$ 5,000.00	1	\$ 5,000.00														
	2504.602	1" CURB STOP & BOX	EACH	\$ 1,000.00	67	\$ 67,000.00														
	2504.603	1" TYPE PE PIPE	LIN FT	\$ 20.00	2732	\$ 54,640.00													166	\$ 3,320.00
	2504.603	6" WATERMAIN DUCTILE IRON CL 52	LIN FT	\$ 65.00	94	\$ 6,110.00													73	\$ 4,745.00
	2504.603	8" WATERMAIN DUCTILE IRON CL 52	LIN FT	\$ 80.00	1086	\$ 86,880.00													1,086	\$ 86,880.00
	2504.603	12" WATERMAIN DUCTILE IRON CL 52	LIN FT	\$ 100.00	31	\$ 3,100.00														
	2504.603	6" PVC WATERMAIN	LIN FT	\$ 90.00	1586	\$ 142,740.00													28	\$ 2,520.00
	2504.603	8" PVC WATERMAIN	LIN FT	\$ 105.00	180	\$ 18,900.00														
	2504.603	18" PVC WATERMAIN	LIN FT	\$ 125.00	6659	\$ 832,375.00													1,049	\$ 131,125.00
	2504.604	4" POLYSTYRENE INSULATION	SQ YD	\$ 65.00	37	\$ 2,405.00													15	\$ 975.00
	2504.608	WATERMAIN FITTINGS	POUND	\$ 15.00	3000	\$ 45,000.00													1,480	\$ 22,200.00
	2506.502	CONST DRAINAGE STRUCTURE DESIGN SPEC 2	EACH	\$ 6,000.00	3	\$ 18,000.00														
	2506.502	CONST DRAINAGE STRUCTURE DESIGN SPEC 3	EACH	\$ 6,000.00	1	\$ 6,000.00														
	2506.502	CONST DRAINAGE STRUCTURE DESIGN SPEC 4	EACH	\$ 12,500.00	1	\$ 12,500.00														
	2506.502	CONST DRAINAGE STRUCTURE DESIGN SPEC 5	EACH	\$ 12,500.00	1	\$ 12,500.00														
	2506.502	CONST DRAINAGE STRUCTURE DESIGN SPEC 6	EACH	\$ 12,500.00	1	\$ 12,500.00														
	2506.502	CONST DRAINAGE STRUCTURE DESIGN SPEC 7	EACH	\$ 12,500.00	1	\$ 12,500.00														
	2506.502	CASTING ASSEMBLY	EACH	\$ 1,000.00	212	\$ 212,000.00			42	\$ 42,000.00									4	\$ 4,000.00
	2506.503	CONST DRAINAGE STRUCTURE DESIGN F	LIN FT	\$ 500.00	122	\$ 61,000.00			29	\$ 14,500.00										
	2506.503	CONST DRAINAGE STRUCTURE DESIGN G	LIN FT	\$ 500.00	79	\$ 39,500.00			43	\$ 21,500.00										
	2506.503	CONST DRAINAGE STRUCTURE DESIGN H	LIN FT	\$ 500.00	114	\$ 57,000.00			7	\$ 3,500.00										
	2506.503	CONST DRAINAGE STRUCTURE DESIGN N	LIN FT	\$ 500.00	59	\$ 29,500.00			11	\$ 5,500.00										
	2506.503	CONST DRAINAGE STRUCTURE DESIGN SD-48	LIN FT	\$ 800.00	16	\$ 12,800.00			4	\$ 3,200.00										
	2506.503	CONST DRAINAGE STRUCTURE DESIGN SD-60	LIN FT	\$ 1,200.00	12	\$ 14,400.00														
	2506.503	CONST DRAINAGE STRUCTURE DESIGN SD-72	LIN FT	\$ 1,500.00	6	\$ 9,000.00														
	2506.503	CONST DRAINAGE STRUCTURE DESIGN SPEC 1	LIN FT	\$ 500.00	52	\$ 26,000.00			12	\$ 6,000.00										
	2506.503	CONST DRAINAGE STRUCTURE DES 48-4020	LIN FT	\$ 600.00	444.44	\$ 266,664.00			87.00	\$ 52,200.00									13.75	\$ 8,250.00
	2506.503	CONST DRAINAGE STRUCTURE DES 54-4020	LIN FT	\$ 750.00	128	\$ 96,000.00			11	\$ 8,250.00										
	2506.503	CONST DRAINAGE STRUCTURE DES 60-4020	LIN FT	\$ 900.00	74	\$ 66,600.00														
	2506.503	CONST DRAINAGE STRUCTURE DES 66-4020	LIN FT	\$ 1,000.00	35	\$ 35,000.00														
	2506.503	CONST DRAINAGE STRUCTURE DES 72-4020	LIN FT	\$ 1,100.00	70	\$ 77,000.00														
	2506.503	CONST DRAINAGE STRUCTURE DES 78-4020	LIN FT	\$ 1,200.00	25	\$ 30,000.00														
	2506.503	CONST DRAINAGE STRUCTURE DES 84-4020	LIN FT	\$ 1,400.00	7	\$ 9,800.00														
	2506.602	INSTALL CONTROL STRUCTURE	EACH	\$ 600,000.00	1	\$ 600,000.00														
	2511.504	GEOTEXTILE FILTER TYPE 4	SQ YD	\$ 16.00	136	\$ 2,176.00														
	2511.507	RANDOM RIPRAP CLASS II	CU YD	\$ 100.00	19	\$ 1,900.00														
	2511.507	RANDOM RIPRAP CLASS III	CU YD	\$ 100.00	17	\$ 1,700.00														
	2521.518	4" CONCRETE WALK	SQ FT	\$ 6.00	39939	\$ 239,634.00	9009	\$ 54,054.00			1444	\$ 8,664.00								
	2521.518	6" CONCRETE WALK	SQ FT	\$ 10.00	11885	\$ 118,850.00	1639	\$ 16,390.00			794	\$ 7,940.00			281	\$ 2,810.00				
	2521.518	8" CONCRETE WALK	SQ FT	\$ 8.00	1430	\$ 11,440.00	1015	\$ 8,120.00												
	2521.518	2" BITUMINOUS WALK	SQ FT	\$ 2.00	48947	\$ 97,894.00	6990	\$ 13,980.00			1974	\$ 3,948.00								
	2521.602	DRILL & GROUT REINF BAR (EPOXY COATED)	EACH	\$ 50.00	1055	\$ 52,750.00	186	\$ 9,300.00			79	\$ 3,950.00			17	\$ 850.00				
	2531.503	CONCRETE CURB & GUTTER DESIGN B612	LIN FT	\$ 30.00	261	\$ 7,830.00	195	\$ 5,850.00			66	\$ 1,980.00								
	2531.503	CONCRETE CURB & GUTTER DESIGN B618	LIN FT	\$ 30.00	4978	\$ 149,340.00	681	\$ 20,430.00			47	\$ 1,410.00			296	\$ 8,880.00				
	2531.503	CONCRETE CURB & GUTTER DESIGN B624	LIN FT	\$ 30.00	17368	\$ 521,040.00	4423	\$ 132,690.00			438	\$ 13,140.00			232	\$ 6,960.00				
	2531.503	CONCRETE CURB & GUTTER DESIGN D418	LIN FT	\$ 50.00	643	\$ 32,150.00	91	\$ 4,550.00												
	2531.503	CONCRETE CURB & GUTTER DESIGN D424	LIN FT	\$ 60.00	446	\$ 26,760.00	358	\$ 21,480.00			88	\$ 5,280.00								
	2531.503	CONCRETE CURB DESIGN SPECIAL	LIN FT	\$ 50.00	590	\$ 29,500.00														
	2531.504	6" CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$ 70.00	1581	\$ 110,670.00	48	\$ 3,360.00												
	2531.604	7" CONCRETE VALLEY GUTTER	SQ YD	\$ 125.00	8	\$ 1,000.00	5	\$ 625.00												
	2531.618	TRUNCATED DOMES	SQ FT	\$ 55.00	1643	\$ 90,365.00	314	\$ 17,270.00			138	\$ 7,590.00			27	\$ 1,485.00				
	2540.601	RELOCATE BUS SHELTER	LUMP SUM	\$ 5,000.00	1	\$ 5,000.00</														

ENGINEER'S ESTIMATE OF PROBABLE CONSTRUCTION COST
HODGSON ROAD (CSAH 49) RECONSTRUCTION
SHOREVIEW VADNAIS HEIGHTS, MN

		ENGINEER'S ESTIMATE																						
		CSAH 54 (RICE STREET)												NON-PARTICIPATING										
NOTES	ITEM NO.	ITEM DESCRIPTION	UNIT	UNIT COST	TOTAL		PARTICIPATING								NON-PARTICIPATING									
							RAMSEY COUNTY S.A.P. 062-654-005				CITY OF SHOREVIEW S.A.P. 167-020-023				CITY OF VADNAIS HEIGHTS S.A.P. XXX-XXX-XXX				CITY OF SHOREVIEW		CITY OF VADNAIS HEIGHTS			
					ROADWAY		STORM SEWER		ROADWAY		STORM SEWER		ROADWAY		STORM SEWER		ROADWAY		STORM SEWER		QUANTITY	AMOUNT	QUANTITY	AMOUNT
					QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
	2564.602	INSTALL SIGN	EACH	\$ 600.00	28	\$ 16,800.00	6	\$ 3,600.00																
	2564.602	INSTALL SIGN TYPE SPECIAL	EACH	\$ 600.00	17	\$ 10,200.00	3	\$ 1,800.00																
	2564.602	DELINEATOR / MARKER	EACH	\$ 140.00	13	\$ 1,820.00	7	\$ 980.00																
	2564.618	SIGN	SQ FT	\$ 42.00	873.86	\$ 36,702.12	293.73	\$ 12,336.66																
	2565.501	EMERGENCY VEHICLE PREEMPTION SYSTEM	LUMP SUM	\$ 10,100.00	1	\$ 10,100.00																		
	2565.516	TRAFFIC CONTROL SIGNAL SYSTEM	SYSTEM	\$ 310,000.00	1	\$ 310,000.00																		
	2571.602	TREE PROTECTION	EACH	\$ 500.00	40	\$ 20,000.00	10	\$ 5,000.00																
	2573.501	STABILIZED CONSTRUCTION EXIT	LUMP SUM	\$ 15,000.00	1.00	\$ 15,000.00	0.10	\$ 1,500.00	0.03	\$ 450.00	0.01	\$ 150.00							0.04	\$ 600.00				
	2573.502	STORM DRAIN INLET PROTECTION	EACH	\$ 175.00	154	\$ 26,950.00	41	\$ 7,175.00																
	2573.503	SILT FENCE, TYPE MS	LIN FT	\$ 2.00	4000	\$ 8,000.00	1000	\$ 2,000.00																
	2573.503	SEDIMENT CONTROL LOG TYPE STRAW	LIN FT	\$ 2.00	4000	\$ 8,000.00	1000	\$ 2,000.00																
	2574.505	SUBSOILING	ACRE	\$ 5,000.00	1.68	\$ 8,400.00																		
	2574.505	SOIL BED PREPARATION	ACRE	\$ 5,000.00	10.25	\$ 51,250.00	3.20	\$ 16,000.00																
	2574.507	FILTER TOPSOIL BORROW	CU YD	\$ 52.00	820	\$ 42,640.00																		
	2574.507	BOULEVARD TOPSOIL BORROW	CU YD	\$ 50.00	225	\$ 11,250.00	225	\$ 11,250.00																
	2574.508	FERTILIZER TYPE 3	POUND	\$ 1.00	2997	\$ 2,997.00	1120	\$ 1,120.00																
	2574.508	FERTILIZER TYPE 4	POUND	\$ 1.00	202	\$ 202.00																		
	2575.504	ROLLED EROSION PREVENTION CATEGORY 10	SQ YD	\$ 2.00	8130	\$ 16,260.00																		
	2575.504	ROLLED EROSION PREVENTION CATEGORY 15	SQ YD	\$ 2.00	40820	\$ 81,640.00	15141	\$ 30,282.00																
	2575.504	ROLLED EROSION PREVENTION CATEGORY 25	SQ YD	\$ 2.00	595	\$ 1,190.00	342	\$ 684.00																
	2575.505	SEEDING	ACRE	\$ 5,000.00	10.25	\$ 51,250.00	3.20	\$ 16,000.00																
	2575.505	MOWING	ACRE	\$ 2,500.00	7.70	\$ 19,250.00	2.30	\$ 5,750.00																
	2575.505	WEED SPRAYING	ACRE	\$ 2,500.00	5.10	\$ 12,750.00	1.60	\$ 4,000.00																
	2575.505	RAPID STABILIZATION METHOD 2	ACRE	\$ 1,000.00	1.68	\$ 1,680.00																		
	2575.506	WEED SPRAY MIXTURE	GALLON	\$ 100.00	5.10	\$ 510.00	1.60	\$ 160.00																
	2575.508	SEED MIXTURE 25-151	POUND	\$ 5.00	1028	\$ 5,140.00	384	\$ 1,920.00																
	2575.508	SEED MIXTURE 33-261	POUND	\$ 30.00	15	\$ 450.00																		
	2575.508	SEED MIXTURE 35-241	POUND	\$ 20.00	46	\$ 920.00																		
	2575.523	WATER	M GALLON	\$ 15.00	1024	\$ 15,360.00	320	\$ 4,800.00																
	2582.503	4" SOLID LINE MULTI COMP GR IN (WR)	LIN FT	\$ 0.70	24859	\$ 17,401.30	3292	\$ 2,304.40																
	2582.503	24" SOLID LINE MULTI COMP GR IN (WR)	LIN FT	\$ 15.00	390	\$ 5,850.00	155	\$ 2,325.00																
	2582.503	4" BROKEN LINE MULTI COMP GR IN (WR)	LIN FT	\$ 0.70	1920	\$ 1,344.00																		
	2582.503	4" DOTTED LINE MULTI COMP GR IN (WR)	LIN FT	\$ 1.30	106	\$ 137.80																		
	2582.503	4" DBLE SOLID LINE MULTI COMP GR IN (WR)	LIN FT	\$ 8.00	3983	\$ 31,864.00	997	\$ 7,976.00																
	2582.503	4" SOLID LINE MULTI COMP GR IN (WR) CONT	LIN FT	\$ 1.50	942	\$ 1,413.00	942	\$ 1,413.00																
	2582.503	4" DOTTED LINE MULTI COMP GR IN (WR) CONT	LIN FT	\$ 2.70	77	\$ 207.90	77	\$ 207.90																
	2582.518	PAVT MSSG PREF THERMO GR IN	SQ FT	\$ 26.00	943	\$ 24,518.00	31	\$ 806.00																
	2582.518	PAVT MSSG PREF THERMO GR IN ESR	SQ FT	\$ 22.00	2080	\$ 45,760.00	480	\$ 10,560.00																
SUBTOTAL						\$ 12,863,380.62	\$ 1,250,822.96	\$ 409,396.00	\$ 97,917.00	\$ -	\$ 21,284.00	\$ -	\$ -	\$ 14,110.00	\$ 468,070.00									
CONTINGENCY						\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -									
TOTAL						\$ 12,863,380.62	\$ 1,250,822.96	\$ 409,396.00	\$ 97,917.00	\$ -	\$ 21,284.00	\$ -	\$ -	\$ 14,110.00	\$ 468,070.00									

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ENGINEER'S ESTIMATE OF PROBABLE CONSTRUCTION COST
HODGSON ROAD (CSAH 49) RECONSTRUCTION
SHOREVIEW VADNAIS HEIGHTS, MN

NOTES	ITEM NO.	ITEM DESCRIPTION	UNIT	UNIT COST	TOTAL		CSAH 12 (CTY ROAD F)				GRAMSIE ROAD PARTICIPATING													
							PARTICIPATING RAMSEY COUNTY S.A.P. 062-612-030		NON-PARTICIPATING CITY OF SHOREVIEW		RAMSEY COUNTY		CITY OF SHOREVIEW S.A.P. 167-235-007											
							ROADWAY		STORM SEWER		ROADWAY		STORM SEWER		ROADWAY		STORM SEWER							
							QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT						
							QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT						
	2021.501	MOBILIZATION	LUMP SUM	\$ 645,000.00	1.00	\$ 645,000.00	0.03	\$ 19,350.00			0.03	\$ 19,350.00	0.01	\$ 6,450.00										
	2101.502	CLEARING	EACH	\$ 165.00	50	\$ 8,250.00	9	\$ 1,485.00																
	2101.502	GRUBBING	EACH	\$ 125.00	50	\$ 6,250.00	9	\$ 1,125.00																
	2101.505	CLEARING	ACRE	\$ 5,700.00	1.01	\$ 5,757.00																		
	2101.505	GRUBBING	ACRE	\$ 4,500.00	1.01	\$ 4,545.00																		
	2104.502	REMOVE MANHOLE	EACH	\$ 750.00	21	\$ 15,750.00																		
	2104.502	REMOVE GATE VALVE & BOX	EACH	\$ 500.00	37	\$ 18,500.00																		
	2104.502	REMOVE CURB STOP & BOX	EACH	\$ 350.00	2	\$ 700.00																		
	2104.502	REMOVE HYDRANT	EACH	\$ 1,000.00	12	\$ 12,000.00	3	\$ 3,000.00																
	2104.502	REMOVE DRAINAGE STRUCTURE	EACH	\$ 450.00	52	\$ 23,400.00	4	\$ 1,800.00																
	2104.502	REMOVE LIGHT POLE	EACH	\$ 350.00	11	\$ 3,850.00	1	\$ 350.00																
	2104.502	REMOVE SIGNAL FOUNDATION	EACH	\$ 500.00	4	\$ 2,000.00																		
	2104.502	REMOVE DELINEATOR / MARKER	EACH	\$ 25.00	1	\$ 25.00																		
	2104.502	REMOVE SIGN	EACH	\$ 65.00	81	\$ 5,265.00	7	\$ 455.00																
	2104.502	REMOVE SIGN TYPE SPECIAL	EACH	\$ 55.00	1	\$ 55.00																		
	2104.502	REMOVE SIGNAL SYSTEM A	EACH	\$ 11,000.00	1	\$ 11,000.00																		
	2104.502	REMOVE SIGNAL SYSTEM B	EACH	\$ 11,000.00	1	\$ 11,000.00																		
	2104.502	REMOVE LIGHT FOUNDATION	EACH	\$ 350.00	11	\$ 3,850.00	1	\$ 350.00																
	2104.502	SALVAGE HISTORIC MARKER	EACH	\$ 500.00	1	\$ 500.00																		
	2104.502	SALVAGE SIGN	EACH	\$ 70.00	28	\$ 1,960.00	1	\$ 70.00																
	2104.502	SALVAGE SIGN TYPE SPECIAL	EACH	\$ 75.00	17	\$ 1,275.00																		
	2104.502	SALVAGE BENCH	EACH	\$ 250.00	1	\$ 250.00																		
	2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	\$ 5.00	262	\$ 1,310.00																		
	2104.503	SAWING BIT PAVEMENT (FULL DEPTH)	LIN FT	\$ 3.00	2366	\$ 7,098.00	242	\$ 726.00																
	2104.503	REMOVE PIPE DRAIN	LIN FT	\$ 3.00	1432	\$ 4,296.00																		
	2104.503	REMOVE PIPE CULVERTS	LIN FT	\$ 15.00	662	\$ 9,930.00																		
	2104.503	REMOVE WATER MAIN	LIN FT	\$ 15.00	9539	\$ 143,085.00																		
	2104.503	REMOVE SEWER PIPE (STORM)	LIN FT	\$ 15.00	3428	\$ 51,420.00	359	\$ 5,385.00																
	2104.503	REMOVE SEWER PIPE (SANITARY)	LIN FT	\$ 20.00	4907	\$ 98,140.00																		
	2104.503	REMOVE CURB & GUTTER	LIN FT	\$ 5.00	8292	\$ 41,460.00	85	\$ 425.00																
	2104.503	REMOVE STEEL CASING	LIN FT	\$ 20.00	372	\$ 7,440.00																		
	2104.503	REMOVE SANITARY SERVICE PIPE	LIN FT	\$ 20.00	2541	\$ 50,820.00																		
	2104.503	REMOVE WATER SERVICE PIPE	LIN FT	\$ 20.00	3549	\$ 70,980.00																		
	2104.503	REMOVE CHAIN LINK FENCE	LIN FT	\$ 35.00	140	\$ 4,900.00																		
	2104.503	REMOVE WOOD FENCE	LIN FT	\$ 35.00	85	\$ 2,975.00																		
	2104.504	REMOVE CONCRETE MEDIAN	SQ YD	\$ 6.00	418	\$ 2,508.00																		
	2104.504	REMOVE CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$ 10.00	397	\$ 3,970.00																		
	2104.504	REMOVE CONCRETE PAVEMENT	SQ YD	\$ 10.00	6604	\$ 66,040.00																		
	2104.504	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	SQ YD	\$ 3.00	4108	\$ 12,324.00	497	\$ 1,491.00																
	2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	\$ 4.00	51666	\$ 206,664.00	2956	\$ 11,824.00																
	2104.518	REMOVE BITUMINOUS WALK	SQ FT	\$ 1.00	12516	\$ 12,516.00	617	\$ 617.00																
	2104.518	REMOVE CONCRETE WALK	SQ FT	\$ 2.00	5242	\$ 10,484.00	63	\$ 126.00																
	2106.507	EXCAVATION - COMMON	CU YD	\$ 7.00	48822	\$ 341,754.00	2391	\$ 16,737.00																
	2106.507	EXCAVATION - SUBGRADE	CU YD	\$ 8.00	29159	\$ 233,272.00	1908	\$ 15,264.00																
	2106.507	EXCAVATION - CHANNEL AND POND	CU YD	\$ 9.00	32273	\$ 290,457.00																		
	2106.507	SELECT GRANULAR EMBANKMENT (CV)	CU YD	\$ 10.00	30968	\$ 309,680.00	2066	\$ 20,660.00																
	2106.507	COMMON EMBANKMENT (CV)	CU YD	\$ 5.00	26219	\$ 131,095.00	2184	\$ 10,920.00																
	2112.519	SUBGRADE PREPARATION	ROAD STA	\$ 200.00	10	\$ 2,000.00	10	\$ 2,000.00																
	2123.610	STREET SWEEPER (WITH PICKUP BROOM)	hour	\$ 325.00	100	\$ 32,500.00	10	\$ 3,250.00																
	2211.507	AGGREGATE BASE (CV) CLASS 5	CU YD	\$ 25.00	8112	\$ 202,800.00	481	\$ 12,025.00																
	2232.504	MILL BITUMINOUS SURFACE (2.0")	SQ YD	\$ 1.50	3373	\$ 5,059.50																		
	2301.504	CONCRETE PAVEMENT 5"	SQ YD	\$ 40.00	397	\$ 15,880.00																		
	2301.504	CONCRETE PAVEMENT 8.0"	SQ YD	\$ 60.00	2189	\$ 131,340.00																		
	2360.509	TYPE SP 9.5 WEARING COURSE MIX (3,C)	TON	\$ 70.00	5869	\$ 410,830.00	368	\$ 25,760.00																
	2360.509	TYPE SP 12.5 NON WEAR COURSE MIX (3,B)	TON	\$ 60.00	7105	\$ 426,300.00	464	\$ 27,840.00																
	2360.509	TYPE SP 12.5 WEARING COURSE MIX (3,C)	TON	\$ 60.00	5072	\$ 304,320.00	310	\$ 18,600.00																
	2451.507	FINE FILTER AGGREGATE (CV)	CU YD	\$ 40.00	742	\$ 29,680.00																		
	2501.502	15" RC PIPE APRON	EACH	\$ 1,200.00	3	\$ 3,600.00																		
	2501.502	21" RC PIPE APRON	EACH	\$ 1,400.00	1	\$ 1,400.00																		
	2501.502	30" RC PIPE APRON	EACH	\$ 1,800.00	2	\$ 3,600.00																		
	2501.502	36" RC PIPE APRON	EACH	\$ 2,000.00	1	\$ 2,000.00																		
	2502.503	4" PERF TP PIPE DRAIN	LIN FT	\$ 12.00	20113	\$ 241,356.00																		
	2503.502	FLAP GATE FOR 12" RC PIPE	EACH	\$ 1,000.00	2	\$ 2,000.00																		
	2503.503	12" RC PIPE SEWER DES 3006 CL V	LIN FT	\$ 75.00	83	\$ 6,225.00																		
	2503.503	15" RC PIPE SEWER DES 3006 CL V	LIN FT	\$ 78.00	4994	\$ 389,532.00																		
	2503.503	18" RC PIPE SEWER DES 3006	LIN FT	\$ 79.00	658	\$ 51,982.00																		
	2503.503	18" RC PIPE SEWER DES 3006 CL V	LIN FT	\$ 80.00	342	\$ 27,360.00																		

ENGINEER'S ESTIMATE OF PROBABLE CONSTRUCTION COST
HODGSON ROAD (CSAH 49) RECONSTRUCTION
SHOREVIEW VADNAIS HEIGHTS, MN

NOTES	ITEM NO.	ITEM DESCRIPTION	UNIT	UNIT COST	TOTAL		CSAH 12 (CTY ROAD F)				GRAMSIE ROAD PARTICIPATING					
							PARTICIPATING		NON-PARTICIPATING		RAMSEY COUNTY		CITY OF SHOREVIEW			
							RAMSEY COUNTY		CITY OF SHOREVIEW		RAMSEY COUNTY		CITY OF SHOREVIEW			
							S.A.P. 062-612-030		S.A.P. 167-235-007		RAMSEY COUNTY		CITY OF SHOREVIEW			
				QUANTITY	AMOUNT	ROADWAY	STORM SEWER	QUANTITY	AMOUNT	ROADWAY	STORM SEWER	QUANTITY	AMOUNT	ROADWAY	STORM SEWER	
	2503.602	CONNECT TO EXISTING SANITARY SEWER	EACH	\$ 2,000.00	7	\$ 14,000.00			1	\$ 2,000.00						
	2503.602	CONNECT TO EXISTING MANHOLES (SAN)	EACH	\$ 1,500.00	1	\$ 1,500.00										
	2503.602	CONNECT TO EXISTING STORM SEWER	EACH	\$ 1,250.00	7	\$ 8,750.00										
	2503.602	CONNECT TO EXISTING SANITARY SEWER SER	EACH	\$ 1,000.00	60	\$ 60,000.00			12	\$ 12,000.00						
	2503.602	9"X4" PVC WYE	EACH	\$ 425.00	22	\$ 9,350.00			12	\$ 5,100.00						
	2503.602	10"X4" PVC WYE	EACH	\$ 500.00	36	\$ 18,000.00										
	2503.603	8" PVC PIPE SEWER	LIN FT	\$ 75.00	190	\$ 14,250.00										
	2503.603	9" PVC PIPE SEWER	LIN FT	\$ 82.00	2015	\$ 165,230.00			930	\$ 76,260.00						
	2503.603	10" PVC PIPE SEWER	LIN FT	\$ 90.00	2746	\$ 247,140.00										
	2503.603	4" PVC SANITARY SERVICE PIPE	LIN FT	\$ 50.00	2275	\$ 113,750.00			426	\$ 21,300.00						
	2504.602	CONNECT TO EXISTING WATER MAIN	EACH	\$ 2,000.00	25	\$ 50,000.00			2	\$ 4,000.00						
	2504.602	CONNECT TO EXISTING WATER SERVICE	EACH	\$ 1,000.00	67	\$ 67,000.00			11	\$ 11,000.00						
	2504.602	HYDRANT	EACH	\$ 6,500.00	14	\$ 91,000.00			2	\$ 13,000.00						
	2504.602	1" CORPORATION STOP	EACH	\$ 800.00	67	\$ 53,600.00			11	\$ 8,800.00						
	2504.602	18" BUTTERFLY VALVE & BOX	EACH	\$ 7,500.00	19	\$ 142,500.00										
	2504.602	6" GATE VALVE & BOX	EACH	\$ 2,500.00	34	\$ 85,000.00			5	\$ 12,500.00						
	2504.602	8" GATE VALVE & BOX	EACH	\$ 3,250.00	8	\$ 26,000.00										
	2504.602	12" GATE VALVE & BOX	EACH	\$ 5,000.00	1	\$ 5,000.00										
	2504.602	1" CURB STOP & BOX	EACH	\$ 1,000.00	67	\$ 67,000.00			11	\$ 11,000.00						
	2504.603	1" TYPE PE PIPE	LIN FT	\$ 20.00	2732	\$ 54,640.00			451	\$ 9,020.00						
	2504.603	6" WATERMAIN DUCTILE IRON CL 52	LIN FT	\$ 65.00	94	\$ 6,110.00										
	2504.603	8" WATERMAIN DUCTILE IRON CL 52	LIN FT	\$ 80.00	1086	\$ 86,880.00										
	2504.603	12" WATERMAIN DUCTILE IRON CL 52	LIN FT	\$ 100.00	31	\$ 3,100.00										
	2504.603	6" PVC WATERMAIN	LIN FT	\$ 90.00	1586	\$ 142,740.00			986	\$ 88,740.00						
	2504.603	8" PVC WATERMAIN	LIN FT	\$ 105.00	180	\$ 18,900.00										
	2504.603	18" PVC WATERMAIN	LIN FT	\$ 125.00	6659	\$ 832,375.00										
	2504.604	4" POLYSTYRENE INSULATION	SQ YD	\$ 65.00	37	\$ 2,405.00										
	2504.608	WATERMAIN FITTINGS	POUND	\$ 15.00	3000	\$ 45,000.00										
	2506.502	CONST DRAINAGE STRUCTURE DESIGN SPEC 2	EACH	\$ 6,000.00	3	\$ 18,000.00										
	2506.502	CONST DRAINAGE STRUCTURE DESIGN SPEC 3	EACH	\$ 6,000.00	1	\$ 6,000.00										
	2506.502	CONST DRAINAGE STRUCTURE DESIGN SPEC 4	EACH	\$ 12,500.00	1	\$ 12,500.00										
	2506.502	CONST DRAINAGE STRUCTURE DESIGN SPEC 5	EACH	\$ 12,500.00	1	\$ 12,500.00										
	2506.502	CONST DRAINAGE STRUCTURE DESIGN SPEC 6	EACH	\$ 12,500.00	1	\$ 12,500.00										
	2506.502	CONST DRAINAGE STRUCTURE DESIGN SPEC 7	EACH	\$ 12,500.00	1	\$ 12,500.00										
	2506.502	CASTING ASSEMBLY	EACH	\$ 1,000.00	212	\$ 212,000.00		8	\$ 8,000.00	5	\$ 5,000.00		1	\$ 1,000.00		
	2506.503	CONST DRAINAGE STRUCTURE DESIGN F	LIN FT	\$ 500.00	122	\$ 61,000.00										
	2506.503	CONST DRAINAGE STRUCTURE DESIGN G	LIN FT	\$ 500.00	79	\$ 39,500.00										
	2506.503	CONST DRAINAGE STRUCTURE DESIGN H	LIN FT	\$ 500.00	114	\$ 57,000.00										
	2506.503	CONST DRAINAGE STRUCTURE DESIGN N	LIN FT	\$ 500.00	59	\$ 29,500.00										
	2506.503	CONST DRAINAGE STRUCTURE DESIGN SD-48	LIN FT	\$ 800.00	16	\$ 12,800.00										
	2506.503	CONST DRAINAGE STRUCTURE DESIGN SD-60	LIN FT	\$ 1,200.00	12	\$ 14,400.00										
	2506.503	CONST DRAINAGE STRUCTURE DESIGN SD-72	LIN FT	\$ 1,500.00	6	\$ 9,000.00										
	2506.503	CONST DRAINAGE STRUCTURE DESIGN SPEC 1	LIN FT	\$ 500.00	52	\$ 26,000.00		16	\$ 8,000.00			4	\$ 2,000.00			
	2506.503	CONST DRAINAGE STRUCTURE DES 48-4020	LIN FT	\$ 600.00	444.44	\$ 266,664.00		19.00	\$ 11,400.00	48.00	\$ 28,800.00					
	2506.503	CONST DRAINAGE STRUCTURE DES 54-4020	LIN FT	\$ 750.00	128	\$ 96,000.00										
	2506.503	CONST DRAINAGE STRUCTURE DES 60-4020	LIN FT	\$ 900.00	74	\$ 66,600.00										
	2506.503	CONST DRAINAGE STRUCTURE DES 66-4020	LIN FT	\$ 1,000.00	35	\$ 35,000.00										
	2506.503	CONST DRAINAGE STRUCTURE DES 72-4020	LIN FT	\$ 1,100.00	70	\$ 77,000.00										
	2506.503	CONST DRAINAGE STRUCTURE DES 78-4020	LIN FT	\$ 1,200.00	25	\$ 30,000.00										
	2506.503	CONST DRAINAGE STRUCTURE DES 84-4020	LIN FT	\$ 1,400.00	7	\$ 9,800.00										
	2506.602	INSTALL CONTROL STRUCTURE	EACH	\$ 600,000.00	1	\$ 600,000.00										
	2511.504	GEOTEXTILE FILTER TYPE 4	SQ YD	\$ 16.00	136	\$ 2,176.00										
	2511.507	RANDOM RIPRAP CLASS II	CU YD	\$ 100.00	19	\$ 1,900.00										
	2511.507	RANDOM RIPRAP CLASS III	CU YD	\$ 100.00	17	\$ 1,700.00										
	2521.518	4" CONCRETE WALK	SQ FT	\$ 6.00	39939	\$ 239,634.00	3196	\$ 19,176.00								
	2521.518	6" CONCRETE WALK	SQ FT	\$ 10.00	11885	\$ 118,850.00	774	\$ 7,740.00								
	2521.518	8" CONCRETE WALK	SQ FT	\$ 8.00	1430	\$ 11,440.00					415	\$ 3,320.00				
	2521.518	2" BITUMINOUS WALK	SQ FT	\$ 2.00	48947	\$ 97,894.00					1314	\$ 2,628.00				
	2521.602	DRILL & GROUT REINF BAR (EPOXY COATED)	EACH	\$ 50.00	1055	\$ 52,750.00	43	\$ 2,150.00			8	\$ 400.00				
	2531.503	CONCRETE CURB & GUTTER DESIGN B612	LIN FT	\$ 30.00	261	\$ 7,830.00										
	2531.503	CONCRETE CURB & GUTTER DESIGN B618	LIN FT	\$ 30.00	4978	\$ 149,340.00	1579	\$ 47,370.00			489	\$ 14,670.00				
	2531.503	CONCRETE CURB & GUTTER DESIGN B624	LIN FT	\$ 30.00	17368	\$ 521,040.00	25	\$ 750.00								
	2531.503	CONCRETE CURB & GUTTER DESIGN D418	LIN FT	\$ 50.00	643	\$ 32,150.00										
	2531.503	CONCRETE CURB & GUTTER DESIGN D424	LIN FT	\$ 60.00	446	\$ 26,760.00										
	2531.503	CONCRETE CURB DESIGN SPECIAL	LIN FT	\$ 50.00	590	\$ 29,500.00										
	2531.504	6" CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$ 70.00	1581	\$ 110,670.00	108	\$ 7,560.00								
	2531.604	7" CONCRETE VALLEY GUTTER	SQ YD	\$ 125.00	8	\$ 1,000.00					3	\$ 375.00				
	2531.618	TRUNCATED DOMES	SQ FT	\$ 55.00	1643	\$ 90,365.00	65	\$ 3,575.00								
	2540.601	RELOCATE BUS SHELTER	LUMP SUM	\$ 5,000.00	1	\$ 5,000.00										
	2540.602	INSTALL BENCH	EACH	\$ 500.00	1	\$ 500.00										
	2540.602	RELOCATE MAIL BOX SUPPORT	EACH	\$ 150.00	66	\$ 9,900.00	7	\$ 1,050.00								
	2545.501	LIGHTING SYSTEM "A"	LUMP SUM	\$ 110,000.00	1.00	\$ 110,000.00					0.25	\$ 27,500.00				
	2545.501	LIGHTING SYSTEM "B"	LUMP SUM	\$ 95,000.00	1.00	\$ 95,000.00										
	2554.502	GUIDE POST TYPE B	EACH	\$ 80.00	13	\$ 1,040.00										
	2557.503	WIRE FENCE DESIGN 48-9322	LIN FT	\$ 75.00	140	\$ 10,500.00										
	2557.603	WOODEN FENCE	LIN FT	\$ 75.00	85	\$ 6,375.00										
	2563.601	TRAFFIC CONTROL	LUMP SUM	\$ 100,000.00	1.00	\$ 100,000.00	0.03	\$ 3,000.00		0.03	\$ 3,000.00	0.01	\$ 1,000.00			
	2563.613	PORTABLE CHANGEABLE MESSAGE SIGN	UNIT DAY	\$ 100.00	240	\$ 24,000.00										

ENGINEER'S ESTIMATE OF PROBABLE CONSTRUCTION COST
HODGSON ROAD (CSAH 49) RECONSTRUCTION
SHOREVIEW VADNAIS HEIGHTS, MN

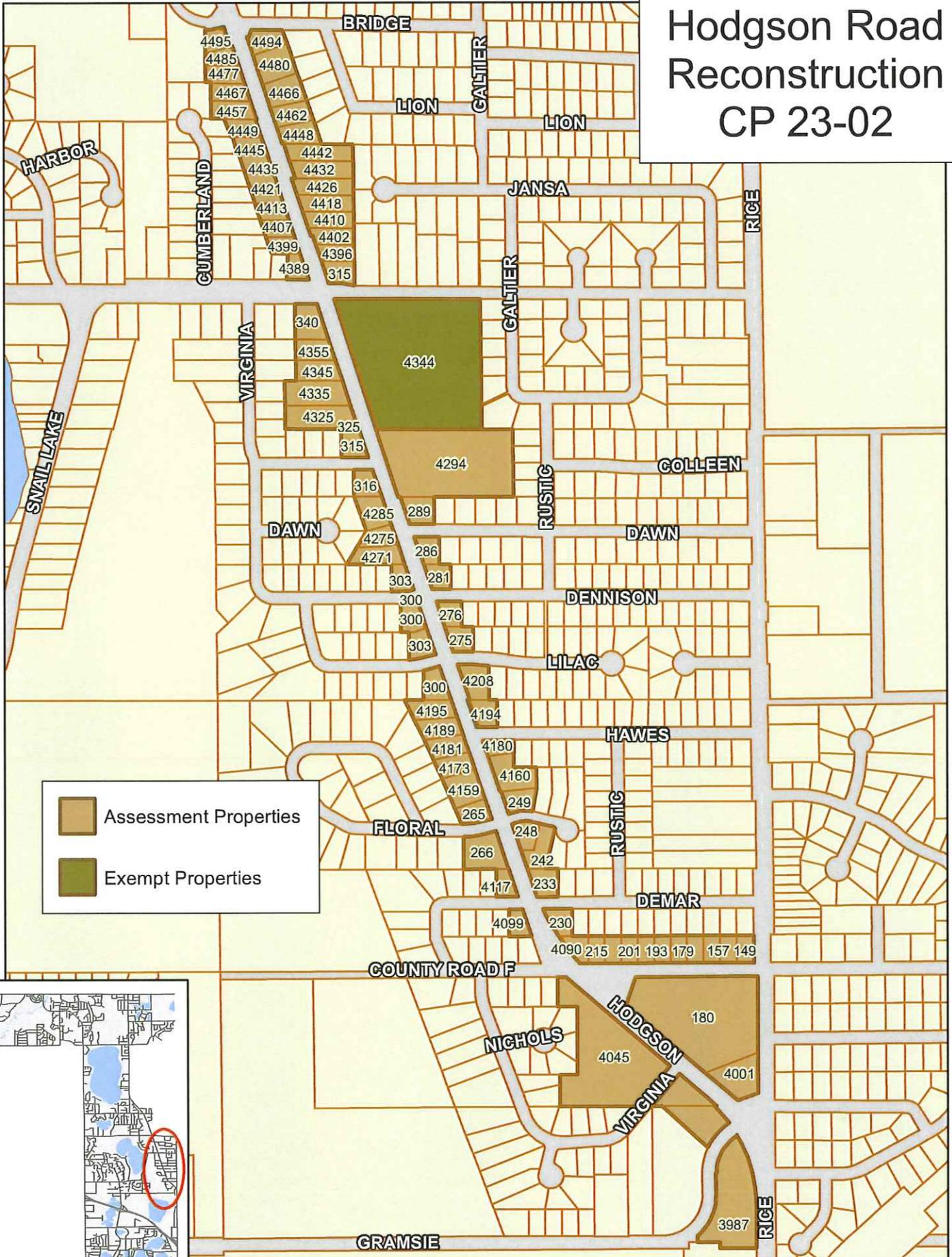
NOTES	ITEM NO.	ITEM DESCRIPTION	UNIT	UNIT COST	TOTAL		CSAH 12 (CTY ROAD F)				GRAMSIE ROAD PARTICIPATING			
							PARTICIPATING		NON-PARTICIPATING		RAMSEY COUNTY		CITY OF SHOREVIEW	
							RAMSEY COUNTY		CITY OF SHOREVIEW		RAMSEY COUNTY		CITY OF SHOREVIEW	
							S.A.P. 062-612-030		S.A.P. 167-235-007		S.A.P. 167-235-007		S.A.P. 167-235-007	
						ROADWAY	STORM SEWER	ROADWAY	STORM SEWER	ROADWAY	STORM SEWER	ROADWAY	STORM SEWER	
						QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	
	2564.602	INSTALL SIGN	EACH	\$ 600.00	28	\$ 16,800.00	1	\$ 600.00						
	2564.602	INSTALL SIGN TYPE SPECIAL	EACH	\$ 600.00	17	\$ 10,200.00								
	2564.602	DELINEATOR / MARKER	EACH	\$ 140.00	13	\$ 1,820.00								
	2564.618	SIGN	SQ FT	\$ 42.00	873.86	\$ 36,702.12	50.75	\$ 2,131.50						
	2565.501	EMERGENCY VEHICLE PREEMPTION SYSTEM	LUMP SUM	\$ 10,100.00	1	\$ 10,100.00								
	2565.516	TRAFFIC CONTROL SIGNAL SYSTEM	SYSTEM	\$ 310,000.00	1	\$ 310,000.00								
	2571.602	TREE PROTECTION	EACH	\$ 500.00	40	\$ 20,000.00	10	\$ 5,000.00						
	2573.501	STABILIZED CONSTRUCTION EXIT	LUMP SUM	\$ 15,000.00	1.00	\$ 15,000.00	0.03	\$ 450.00	0.03	\$ 450.00	0.01	\$ 150.00		
	2573.502	STORM DRAIN INLET PROTECTION	EACH	\$ 175.00	154	\$ 26,950.00	8	\$ 1,400.00						
	2573.503	SILT FENCE, TYPE MS	LIN FT	\$ 2.00	4000	\$ 8,000.00	1000	\$ 2,000.00			1000	\$ 2,000.00		
	2573.503	SEDIMENT CONTROL LOG TYPE STRAW	LIN FT	\$ 2.00	4000	\$ 8,000.00	1000	\$ 2,000.00			1000	\$ 2,000.00		
	2574.505	SUBSOILING	ACRE	\$ 5,000.00	1.68	\$ 8,400.00								
	2574.505	SOIL BED PREPARATION	ACRE	\$ 5,000.00	10.25	\$ 51,250.00	0.52	\$ 2,600.00			0.08	\$ 400.00		
	2574.507	FILTER TOPSOIL BORROW	CU YD	\$ 52.00	820	\$ 42,640.00								
	2574.507	BOULEVARD TOPSOIL BORROW	CU YD	\$ 50.00	225	\$ 11,250.00								
	2574.508	FERTILIZER TYPE 3	POUND	\$ 1.00	2997	\$ 2,997.00	181	\$ 181.00			28	\$ 28.00		
	2574.508	FERTILIZER TYPE 4	POUND	\$ 1.00	202	\$ 202.00								
	2575.504	ROLLED EROSION PREVENTION CATEGORY 10	SQ YD	\$ 2.00	8130	\$ 16,260.00								
	2575.504	ROLLED EROSION PREVENTION CATEGORY 15	SQ YD	\$ 2.00	40820	\$ 81,640.00	2496	\$ 4,992.00			377	\$ 754.00		
	2575.504	ROLLED EROSION PREVENTION CATEGORY 25	SQ YD	\$ 2.00	595	\$ 1,190.00								
	2575.505	SEEDING	ACRE	\$ 5,000.00	10.25	\$ 51,250.00	0.52	\$ 2,600.00			0.08	\$ 400.00		
	2575.505	MOWING	ACRE	\$ 2,500.00	7.70	\$ 19,250.00	0.52	\$ 1,300.00			0.08	\$ 200.00		
	2575.505	WEED SPRAYING	ACRE	\$ 2,500.00	5.10	\$ 12,750.00	0.26	\$ 650.00			0.04	\$ 100.00		
	2575.505	RAPID STABILIZATION METHOD 2	ACRE	\$ 1,000.00	1.68	\$ 1,680.00								
	2575.506	WEED SPRAY MIXTURE	GALLON	\$ 100.00	5.10	\$ 510.00	0.26	\$ 26.00			0.04	\$ 4.00		
	2575.508	SEED MIXTURE 25-151	POUND	\$ 5.00	1028	\$ 5,140.00	62	\$ 310.00			10	\$ 50.00		
	2575.508	SEED MIXTURE 33-261	POUND	\$ 30.00	15	\$ 450.00								
	2575.508	SEED MIXTURE 35-241	POUND	\$ 20.00	46	\$ 920.00								
	2575.523	WATER	M GALLON	\$ 15.00	1024	\$ 15,360.00	52	\$ 780.00			8	\$ 120.00		
	2582.503	4" SOLID LINE MULTI COMP GR IN (WR)	LIN FT	\$ 0.70	24859	\$ 17,401.30	953	\$ 667.10			376	\$ 263.20		
	2582.503	24" SOLID LINE MULTI COMP GR IN (WR)	LIN FT	\$ 15.00	390	\$ 5,850.00					35	\$ 525.00		
	2582.503	4" BROKEN LINE MULTI COMP GR IN (WR)	LIN FT	\$ 0.70	1920	\$ 1,344.00								
	2582.503	4" DOTTED LINE MULTI COMP GR IN (WR)	LIN FT	\$ 1.30	106	\$ 137.80								
	2582.503	4" DBLE SOLID LINE MULTI COMP GR IN (WR)	LIN FT	\$ 8.00	3983	\$ 31,864.00	785	\$ 6,280.00			233	\$ 1,864.00		
	2582.503	4" SOLID LINE MULTI COMP GR IN (WR) CONT	LIN FT	\$ 1.50	942	\$ 1,413.00								
	2582.503	4" DOTTED LINE MULTI COMP GR IN (WR) CONT	LIN FT	\$ 2.70	77	\$ 207.90								
	2582.518	PAVT MSSG PREF THERMO GR IN	SQ FT	\$ 26.00	943	\$ 24,518.00	15	\$ 390.00						
	2582.518	PAVT MSSG PREF THERMO GR IN ESR	SQ FT	\$ 22.00	2080	\$ 45,760.00	80	\$ 1,760.00						
		SUBTOTAL				\$ 12,863,380.62		\$ 330,123.60	\$ 87,492.00	\$ 378,920.00	\$ 139,272.20	\$ 12,822.00	\$ -	
		CONTINGENCY				\$ -							\$ -	
		TOTAL				\$ 12,863,380.62		\$ 330,123.60	\$ 87,492.00	\$ 378,920.00	\$ 139,272.20	\$ 12,822.00	\$ -	

- NOTES
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 (P)

APPENDIX C

Proposed Assessments

Hodgson Road Reconstruction CP 23-02



1 inch = 600 feet

Date: 1/10/2023

**Hodgson Rd Reconstruction
City Project 23-02
Proposed Assessment Roll - Feasibility Study**

Date of Pending - Feb 20, 2023
To be assessed - Oct 2025
10-year Assessment

Address	PIN	Street			Storm			Total Assessment	
		Units	\$/Lot unit	Total Street	Assessed Area - sqft	Storm Rate	Total Storm		
4495 Hodgson Rd	243023120048	0.5	\$1,800	\$900	11,325	11,325	\$0.070	\$792.75	\$1,692.75
4494 Hodgson Rd	243023120067	0.5	\$1,800	\$900	17,859	0	\$0.070	\$0.00	\$900.00
4485 Hodgson Rd	243023120068	1	\$1,800	\$1,800	10,018	10,018	\$0.070	\$701.26	\$2,501.26
4477 Hodgson Rd	243023120069	1	\$1,800	\$1,800	16,552	16,552	\$0.070	\$1,034.32	\$2,834.32
4467 Hodgson Rd	243023120070	1	\$1,800	\$1,800	16,117	16,117	\$0.070	\$1,019.10	\$2,819.10
4457 Hodgson Rd	243023120071	1	\$1,800	\$1,800	18,730	18,730	\$0.070	\$1,110.55	\$2,910.55
4449 Hodgson Rd	243023120054	1	\$1,800	\$1,800	13,939	13,939	\$0.070	\$942.87	\$2,742.87
4445 Hodgson Rd	243023120072	1	\$1,800	\$1,800	11,761	11,761	\$0.070	\$823.27	\$2,623.27
4435 Hodgson Rd	243023130025	1	\$1,800	\$1,800	11,325	11,325	\$0.070	\$792.75	\$2,592.75
4429 Hodgson Rd	243023130026	1	\$1,800	\$1,800	11,325	11,325	\$0.070	\$792.75	\$2,592.75
4421 Hodgson Rd	243023130027	1	\$1,800	\$1,800	11,761	11,761	\$0.070	\$823.27	\$2,623.27
4413 Hodgson Rd	243023130028	1	\$1,800	\$1,800	11,761	11,761	\$0.070	\$823.27	\$2,623.27
4407 Hodgson Rd	243023130029	1	\$1,800	\$1,800	11,761	11,761	\$0.070	\$823.27	\$2,623.27
4399 Hodgson Rd	243023130030	1	\$1,800	\$1,800	11,761	11,761	\$0.070	\$823.27	\$2,623.27
4389 Hodgson Rd	243023130031	0.5	\$1,800	\$900	10,018	11,761	\$0.070	\$823.27	\$1,723.27
4396 Hodgson Rd	243023130019	1	\$1,800	\$1,800	14,841	14,841	\$0.070	\$974.44	\$2,774.44
4402 Hodgson Rd	243023130020	1	\$1,800	\$1,800	17,424	17,424	\$0.070	\$1,064.84	\$2,864.84
4410 Hodgson Rd	243023130021	1	\$1,800	\$1,800	18,730	18,730	\$0.070	\$1,110.55	\$2,910.55
4418 Hodgson Rd	243023130022	1	\$1,800	\$1,800	14,810	14,810	\$0.070	\$973.35	\$2,773.35
4426 Hodgson Rd	243023130023	1	\$1,800	\$1,800	23,522	19,000	\$0.070	\$1,120.00	\$2,920.00
4432 Hodgson Rd	243023130066	1	\$1,800	\$1,800	27,007	19,000	\$0.070	\$1,120.00	\$2,920.00
4442 Hodgson Rd	243023120075	1	\$1,800	\$1,800	25,700	19,000	\$0.070	\$1,120.00	\$2,920.00
4448 Hodgson Rd	243023120046	1	\$1,800	\$1,800	19,602	19,000	\$0.070	\$1,120.00	\$2,920.00
4462 Hodgson Rd	243023120045	1	\$1,800	\$1,800	18,295	18,295	\$0.070	\$1,095.33	\$2,895.33
4466 Hodgson Rd	243023120044	1	\$1,800	\$1,800	23,086	19,000	\$0.070	\$1,120.00	\$2,920.00
4480 Hodgson Rd	243023120074	1	\$1,800	\$1,800	26,571	19,000	\$0.070	\$1,120.00	\$2,920.00
4494 Hodgson Rd	243023120067	0.5	\$1,800	\$900	17,859	0	\$0.070	\$0.00	\$900.00
4355 Hodgson Rd	243023130047	1	\$1,800	\$1,800	18,295	18,295	\$0.070	\$1,095.33	\$2,895.33
4345 Hodgson Rd	243023130048	1	\$1,800	\$1,800	20,037	19,000	\$0.070	\$1,120.00	\$2,920.00
4335 Hodgson Rd	243023130060	1	\$1,800	\$1,800	33,105	19,000	\$0.070	\$1,120.00	\$2,920.00
4325 Hodgson Rd	243023130061	1	\$1,800	\$1,800	41,382	19,000	\$0.070	\$1,120.00	\$2,920.00
4285 Hodgson Rd	243023420031	1	\$1,800	\$1,800	20,473	19,000	\$0.070	\$1,120.00	\$2,920.00
4275 Hodgson Rd	243023420032	1	\$1,800	\$1,800	15,681	15,681	\$0.070	\$1,003.84	\$2,803.84
4271 Hodgson Rd	243023420033	1	\$1,800	\$1,800	24,393	19,000	\$0.070	\$1,120.00	\$2,920.00
4294 Hodgson Rd	243023420001	3.5	\$1,800	\$6,300	200,811	19,000	\$0.070	\$1,120.00	\$7,420.00
4344 Hodgson Rd	243023130065	0	\$1,800	\$0	387,248	0	\$0.070	\$0.00	\$0.00

**Hodgson Rd Reconstruction
City Project 23-02
Proposed Assessment Roll - Feasibility Study**

Date of Pending - Feb 20, 2023
To be assessed - Oct 2025
10-year Assessment

4195 Hodgson Rd	243023430002	1	\$1,800	\$1,800	20,908	19,000	\$0.070	\$1,120.00	\$2,920.00
4189 Hodgson Rd	243023430003	1	\$1,800	\$1,800	14,374	14,374	\$0.070	\$958.09	\$2,758.09
4181 Hodgson Rd	243023430004	1	\$1,800	\$1,800	14,810	14,810	\$0.070	\$973.35	\$2,773.35
4173 Hodgson Rd	243023430005	1	\$1,800	\$1,800	13,939	13,939	\$0.070	\$942.87	\$2,742.87
4159 Hodgson Rd	243023430006	1	\$1,800	\$1,800	23,958	19,000	\$0.070	\$1,120.00	\$2,920.00
4117 Hodgson Rd	243023440060	0.5	\$1,800	\$900	10,454	0	\$0.070	\$0.00	\$900.00
4160 Hodgson Rd	243023440017	1	\$1,800	\$1,800	29,185	19,000	\$0.070	\$1,120.00	\$2,920.00
4180 Hodgson Rd	243023440089	0.5	\$1,800	\$900	9,583	0	\$0.070	\$0.00	\$900.00
4194 Hodgson Rd	243023430001	0.5	\$1,800	\$900	16,988	0	\$0.070	\$0.00	\$900.00
4208 Hodgson Rd	243023420015	0.5	\$1,800	\$900	21,780	0	\$0.070	\$0.00	\$900.00
4099 Hodgson Rd	243023440062	0.5	\$1,800	\$900	11,761	0	\$0.070	\$0.00	\$900.00
4090 Hodgson Rd	243023440085	1	\$1,800	\$1,800	13,939	13,939	\$0.070	\$942.87	\$2,742.87
4045 Hodgson Rd 101	253023110118	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 102	253023110119	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 103	253023110120	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 104	253023110121	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 105	253023110122	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 106	253023110123	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 107	253023110124	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 108	253023110125	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 109	253023110126	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 110	253023110127	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 111	235023110128	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 112	253023110129	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 113	253023110130	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 114	253023110131	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 115	253023110132	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 116	253023110133	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 117	253023110134	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 118	253023110135	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 119	253023110136	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 120	253023110137	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 121	253023110138	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 122	253023110139	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 123	253023110140	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 124	253023110141	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 201	253023110142	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 202	253023110143	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 203	253023110144	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66

**Hodgson Rd Reconstruction
City Project 23-02
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4045 Hodgson Rd 204	253023110145	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 205	253023110146	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 206	253023110147	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 207	253023110148	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 208	253023110149	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 209	253023110150	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 210	253023110151	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 211	253023110152	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 212	253023110153	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 213	253023110154	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 214	253023110155	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 215	253023110156	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 216	253023110157	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 217	253023110158	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 218	253023110159	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 219	253023110160	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 220	253023110161	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 221	253023110162	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 222	253023110163	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 223	253023110164	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 224	253023110165	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 301	253023110166	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 302	253023110167	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 303	253023110168	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 304	253023110169	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 305	253023110170	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 306	253023110171	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 307	253023110172	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 308	253023110173	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 309	253023110174	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 310	253023110175	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 311	253023110176	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 312	253023110177	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 313	253023110178	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 314	253023110179	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 315	253023110180	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 316	253023110181	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 317	253023110182	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 318	253023110183	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66

**Hodgson Rd Reconstruction
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4045 Hodgson Rd 319	253023110184	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 320	253023110185	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 321	253023110186	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 322	253023110187	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 323	253023110188	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
4045 Hodgson Rd 324	253023110189	0.2	\$1,800	\$350	2,584	2,584	\$0.0525	\$135.66	\$485.66
0 Hodgson Rd	253023110003	2	\$1,800	\$3,600	32,670	0	\$0.105	\$0.00	\$3,600.00
0 Hodgson Rd	253023110115	2	\$1,800	\$3,600	33,105	0	\$0.105	\$0.00	\$3,600.00
315 Snail Lk Rd	243023130064	0.5	\$1,800	\$900	20,037	0	\$0.070	\$0.00	\$900.00
340 Snail Lk Rd	243023130046	0.5	\$1,800	\$900	23,958	0	\$0.070	\$0.00	\$900.00
315 Colleen Ave	243023420016	0.5	\$1,800	\$900	14,810	0	\$0.070	\$0.00	\$900.00
316 Colleen Ave	243023420021	0.5	\$1,800	\$900	15,246	0	\$0.070	\$0.00	\$900.00
303 Dennison Ave	243023420047	0.5	\$1,800	\$900	10,454	0	\$0.070	\$0.00	\$900.00
281 Dennison Ave	243023420010	0.5	\$1,800	\$900	13,068	0	\$0.070	\$0.00	\$900.00
300 Dennison Ave	243023420048	0.5	\$1,800	\$900	14,374	0	\$0.070	\$0.00	\$900.00
276 Dennison Ave	243023420011	0.5	\$1,800	\$900	12,196	0	\$0.070	\$0.00	\$900.00
286 Dawn Ave	243023420005	0.5	\$1,800	\$900	13,503	0	\$0.070	\$0.00	\$900.00
289 Dawn Ave	243023420004	0.5	\$1,800	\$900	19,166	0	\$0.070	\$0.00	\$900.00
303 Lilac Ln	243023420059	0.5	\$1,800	\$900	14,810	0	\$0.070	\$0.00	\$900.00
300 Lilac Ln	243023420060	0.5	\$1,800	\$900	17,424	0	\$0.070	\$0.00	\$900.00
275 Lilac Ln	243023420014	0.5	\$1,800	\$900	15,246				
265 Floral Dr	243023430007	0.5	\$1,800	\$900	13,503	0	\$0.070	\$0.00	\$900.00
266 Floral Dr	243023430055	0.5	\$1,800	\$900	33,541	0	\$0.070	\$0.00	\$900.00
244 Floral Ct	243023440100	0.5	\$1,800	\$900	19,062	0	\$0.070	\$0.00	\$900.00
248 Floral Ct	243023440101	0.5	\$1,800	\$900	13,503	0	\$0.070	\$0.00	\$900.00
249 Floral Ct	243023440094	0.5	\$1,800	\$900	15,681	0	\$0.070	\$0.00	\$900.00
233 Demar Ave	243023440059	0.5	\$1,800	\$900	16,988	0	\$0.070	\$0.00	\$900.00
230 Demar Ave	243023440063	0.5	\$1,800	\$900	14,374	0	\$0.070	\$0.00	\$900.00
3987 Rice St	253023110190	6	\$1,800	\$10,800	96,267	0	\$0.105	\$0.00	\$10,800.00
4001 Rice St	253023110002	4	\$1,800	\$7,200	32,670	32,670	\$0.105	\$3,430.35	\$10,630.35

**Hodgson Rd Reconstruction
City Project 23-02
Proposed Assessment Roll - Feasibility Study**

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180 County Rd F W	253023110001	6	\$1,800	\$10,800	217,800	19,000	\$0.070	\$1,120.00	\$11,920.00
149 County Rd F W	243023440075	0.5	\$1,800	\$900	11,325	11,325	\$0.070	\$792.75	\$1,692.75
157 County Rd F W	243023440076	1	\$1,800	\$1,800	10,454	10,454	\$0.070	\$731.78	\$2,531.78
165 County Rd F W	243023440077	1	\$1,800	\$1,800	10,454	10,454	\$0.070	\$731.78	\$2,531.78
171 County Rd F W	243023440078	1	\$1,800	\$1,800	10,454	10,454	\$0.070	\$731.78	\$2,531.78
179 County Rd F W	243023440079	1	\$1,800	\$1,800	10,454	10,454	\$0.070	\$731.78	\$2,531.78
185 County Rd F W	243023440080	1	\$1,800	\$1,800	10,454	10,454	\$0.070	\$731.78	\$2,531.78
193 County Rd F W	243023440081	1	\$1,800	\$1,800	10,454	10,454	\$0.070	\$731.78	\$2,531.78
201 County Rd F W	243023440082	1	\$1,800	\$1,800	10,454	10,454	\$0.070	\$731.78	\$2,531.78
207 County Rd F W	243023440083	1	\$1,800	\$1,800	10,454	10,454	\$0.070	\$731.78	\$2,531.78
215 County Rd F W	243023440084	1	\$1,800	\$1,800	10,454	10,454	\$0.070	\$731.78	\$2,531.78
Assessable Units & Assessment Total									\$239,057.43
									\$177,300
									98.5
									\$61,757.43