

*City of Sunfish Lake
April 5, 2016
City Council Meeting*

ATTACHMENT A

SWPPP Annual Meeting Presentation

WSB



MS4 Annual Meeting
April 5, 2016

f in YouTube wsbeng.com

WSB

NPDES MS4 Permit

National
Pollutant
Discharge
Elimination
System

f in YouTube wsbeng.com

WSB

NPDES



MS4's



Construction Sites



Industrial Activities

f in YouTube wsbeng.com

WSB **MS4 Program**

- **MS4 = Municipal Separate Storm Sewer System**
- **Who is regulated?**
 - Cities within Urbanized Areas as determined by U.S. Census
 - Agriculture is not regulated
 - Other MS4's as determined by MPCA policy and criteria (e.g. MnDOT, Watershed Districts, colleges, County Lands/ROW)

f in YouTube wsbeng.com

WSB **Why This Meeting?**

- Educate interested citizens
- Receive comments from the public
 - SWPPP
 - Review progress of BMPs
- Meet the requirements of the MS4 Permit



f in YouTube wsbeng.com

WSB **What's the Problem?**

- According to the EPA, **stormwater runoff** is the leading source of water pollution.



f in YouTube wsbeng.com

WSB **What is Stormwater?**

- **Stormwater runoff** is rain or snowmelt that flows over land and does not infiltrate into the ground.
- As **stormwater runoff** flows across surfaces, it picks up trash, debris and pollutants (ex: sediment, soil, grease, etc.) along the way.



[f](#) [in](#) [t](#) [v](#) [e](#) [s](#) [b](#) [e](#) [n](#) [g](#) [.c](#) [o](#) [m](#)



Anything in the streets and ditches – **litter, pesticides, grass clippings** – can end up in your local lakes and rivers.

WSB **MS4 Program**

6 Minimum Control Measures:

1. Public Education and Outreach
2. Public Participation and Involvement
3. Illicit Discharge Detection and Elimination
4. Construction Site Stormwater Runoff Control
5. Post-Construction Stormwater Management
6. Pollution Prevention and Good Housekeeping for Municipal Operations

[f](#) [in](#) [t](#) [v](#) [e](#) [s](#) [b](#) [e](#) [n](#) [g](#) [.c](#) [o](#) [m](#)

WSB **MS4 Program (contd.)**

- Storm Sewer Mapping and Inventory
- Total Maximum Daily Load (TMDL) Study



[f](#) [in](#) [t](#) [v](#) [wsbeng.com](#)

WSB **2015 Achievements**

- Annual Public Meeting (April 7, 2015)
- Arbor Day Green Fair 2015
- Newsletter articles
- Website
- Collaboration with Dakota SWCD (Blue Thumb Workshops)



[f](#) [in](#) [t](#) [v](#) [wsbeng.com](#)

WSB **2015 Achievements**

- 1 illicit discharge discovered in 2015
- 2 construction projects greater than 1 acre
- Minor erosion and sediment control enforcement actions (sites 1 acre or more)



[f](#) [in](#) [t](#) [v](#) [wsbeng.com](#)

WSB **2015 MS4 Audit Results**

- Audited by MPCA on August 13, 2015; corrective actions included:
 - Education plan
 - Illicit Discharge education
 - Revisions to written procedures
 - Track written and verbal comments
- Good standing achieved on October 15, 2015



[f](#) [in](#) [t](#) [v](#) [wsbenj.com](#)

WSB **TMDL Update**

- Upper Mississippi River Bacteria TMDL
 - Draft Implementation Plan is out - provided comments in 2015
 - The City has no streams or direct stormwater conveyances
 - Reduce bacteria levels in the Mississippi River and its tributaries
 - Sources
 - Illicit Discharges – Sanitary Cross Connections
 - Individual Septic Systems
 - Feedlots
 - Pet Waste
 - Wildlife

[f](#) [in](#) [t](#) [v](#) [wsbenj.com](#)

WSB **2016 Objectives**

- **SWPPP Administration**
 - Maintain existing program
 - MS4 mapping and inspections
 - Keep an eye out for illicit discharges
 - Recordkeeping
- **Increase education on residential best management practices and illicit discharge activities**

[f](#) [in](#) [t](#) [v](#) [wsbenj.com](#)

 **Questions or Comments?**

Additional information can be found at:

- **MPCA MS4 Website:**
www.pca.state.mn.us/index.php/water/water-types-and-programs/stormwater/municipal-stormwater
- **Dakota SWCD Website:**
www.dakotaswcd.org

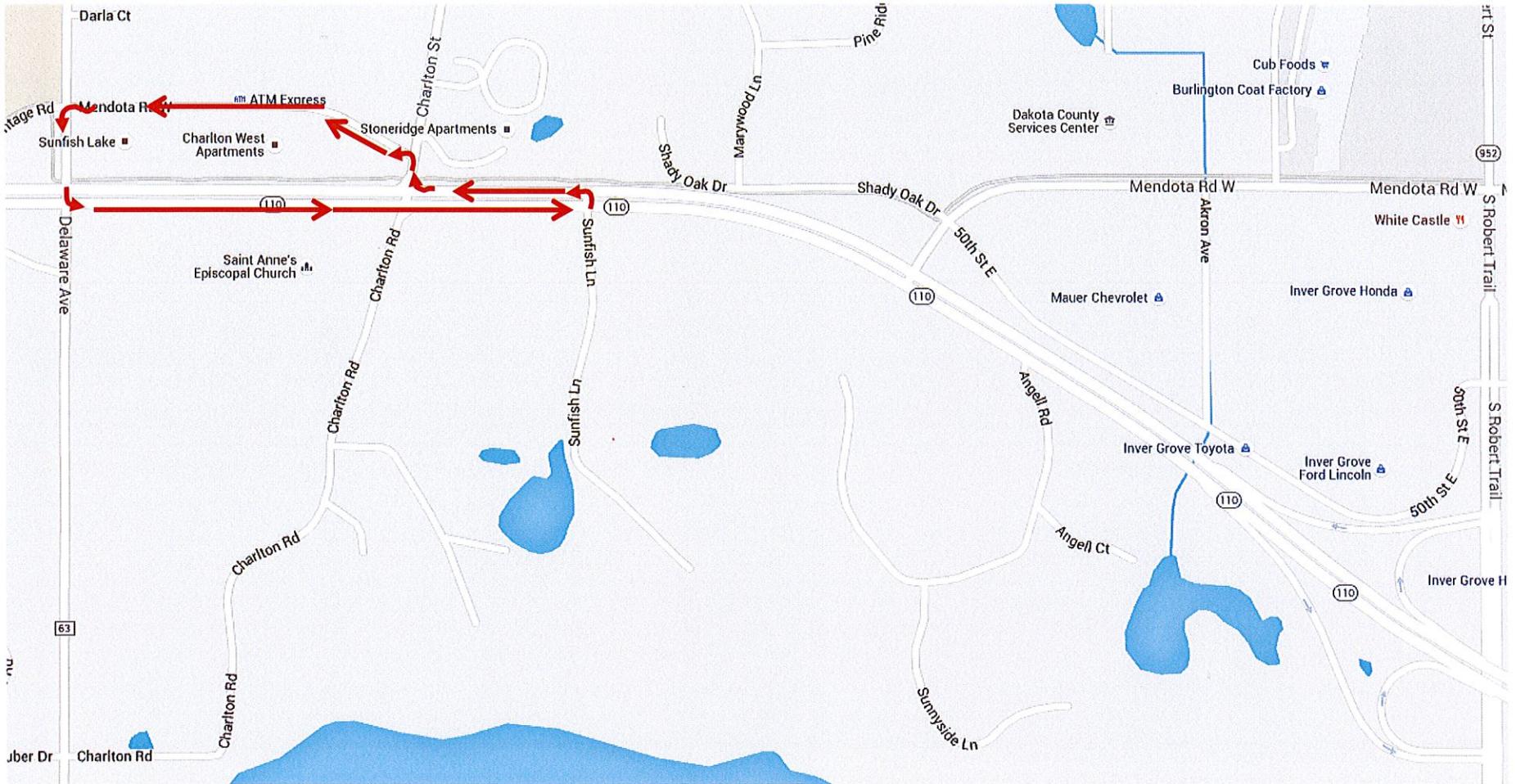
    wsbeng.com

ATTACHMENT B

TH 110 Improvements
Fire Travel Time
Sunfish Lane
Charlton Road U-Turn Path Analysis (MnDOT)

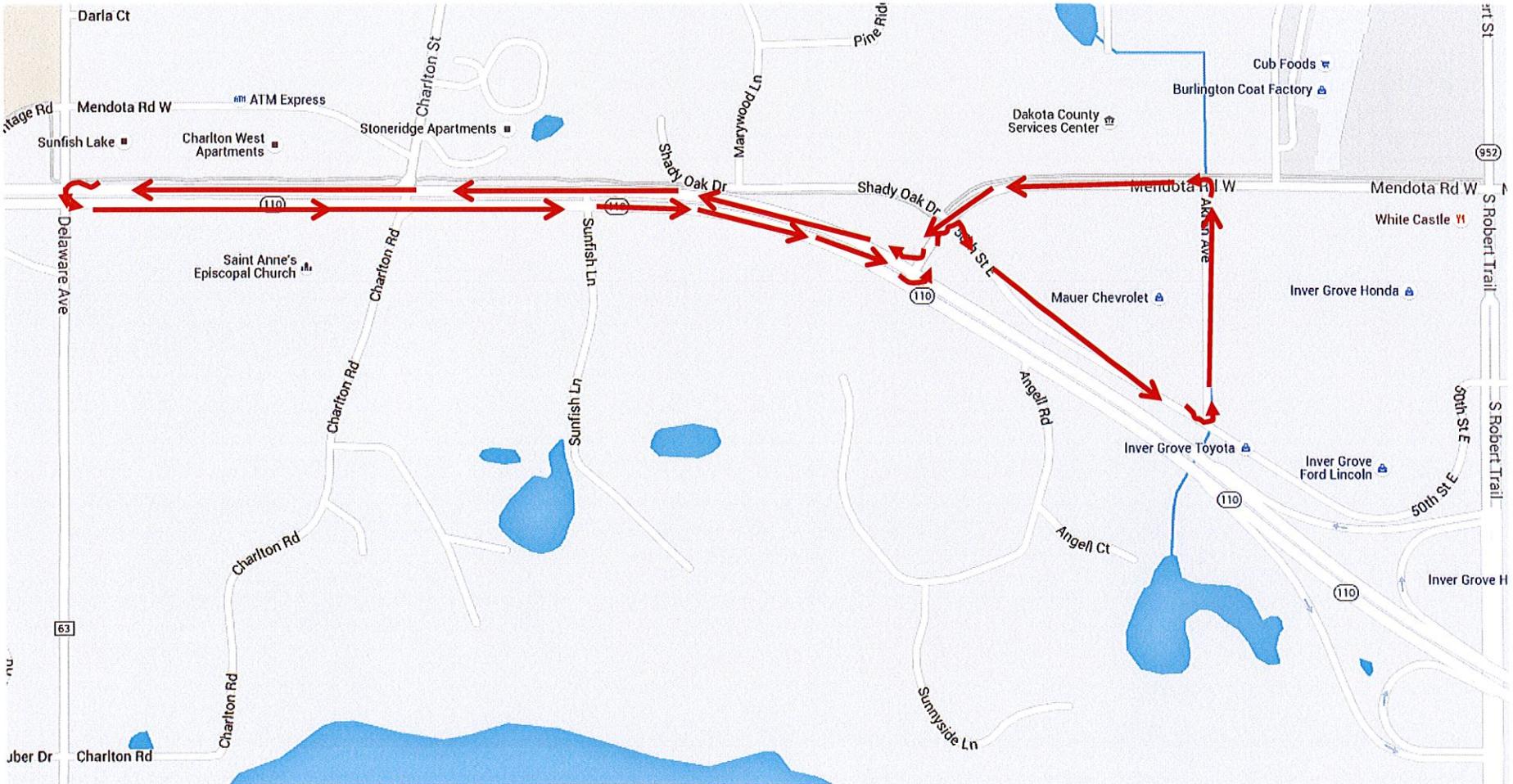
Current Condition

1.05 Mile Round Trip



ISO Travel Time = 2.44 Minutes

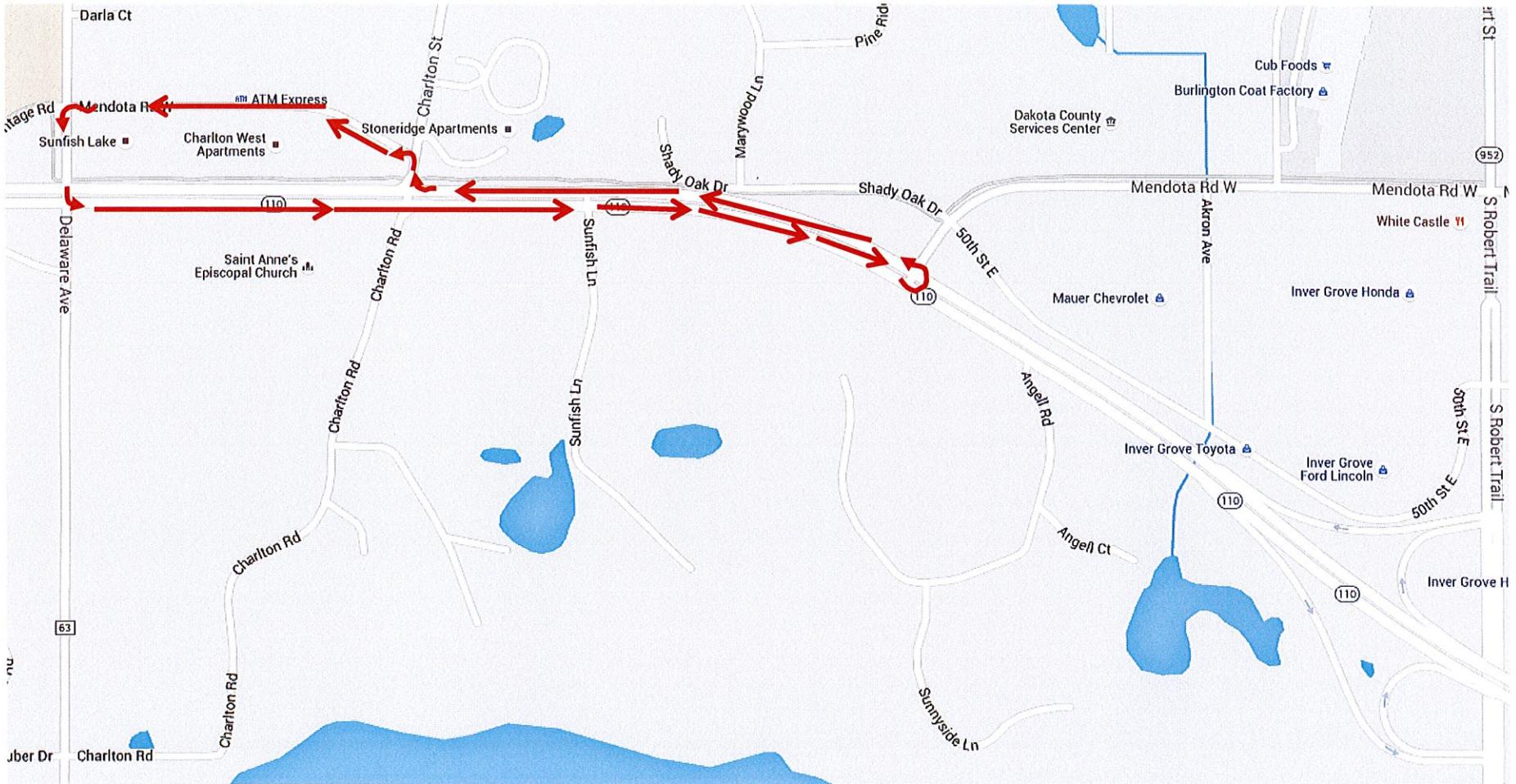
Proposed 2.35 Mile Round Trip



**ISO Travel Time = 4.65 Minutes
(2.21 Minutes Longer)**

Option A

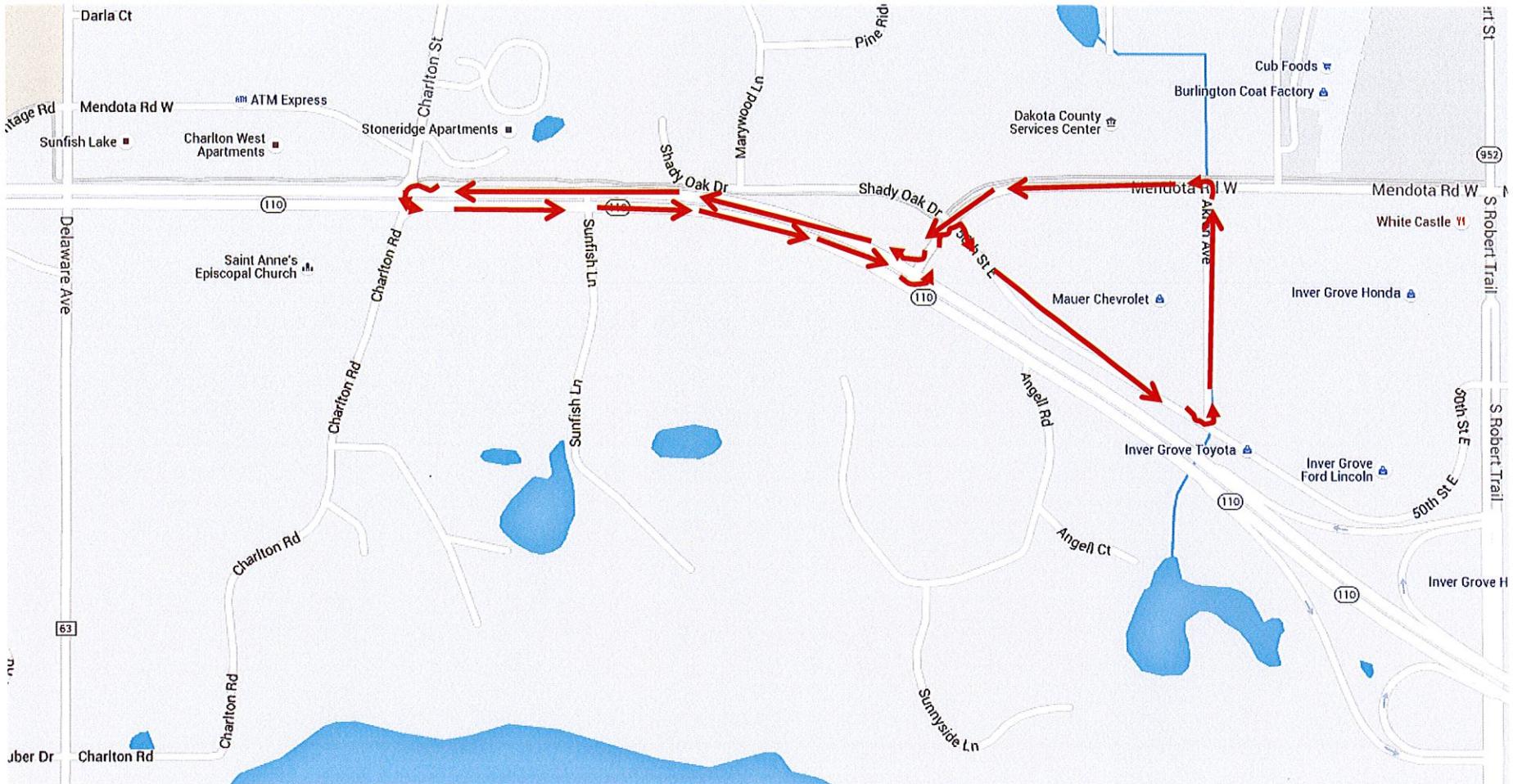
1.62 Mile Round Trip



ISO Travel Time = 3.40 Minutes
(.96 Minutes Longer)

Option B

1.78 Mile Round Trip

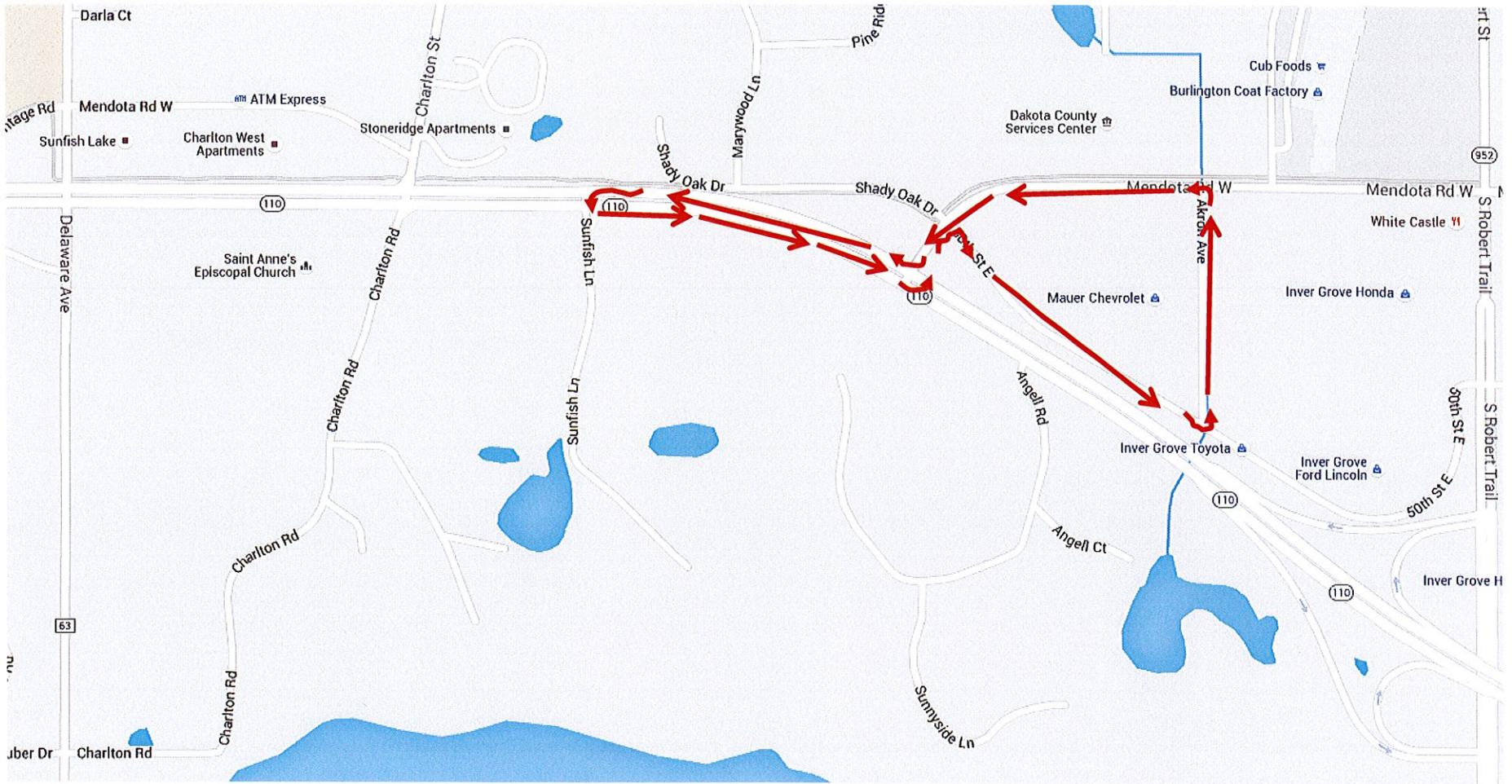


ISO Travel Time = 3.68 Minutes

(1.24 Minutes Longer)

Option C

1.46 Mile Round Trip



ISO Travel Time = 2.99 Minutes
(.55 Minutes Longer)

2 Hydrants at St Anne's Church

.56 Mile Round Trip

.78 Miles saved for Charlton Road

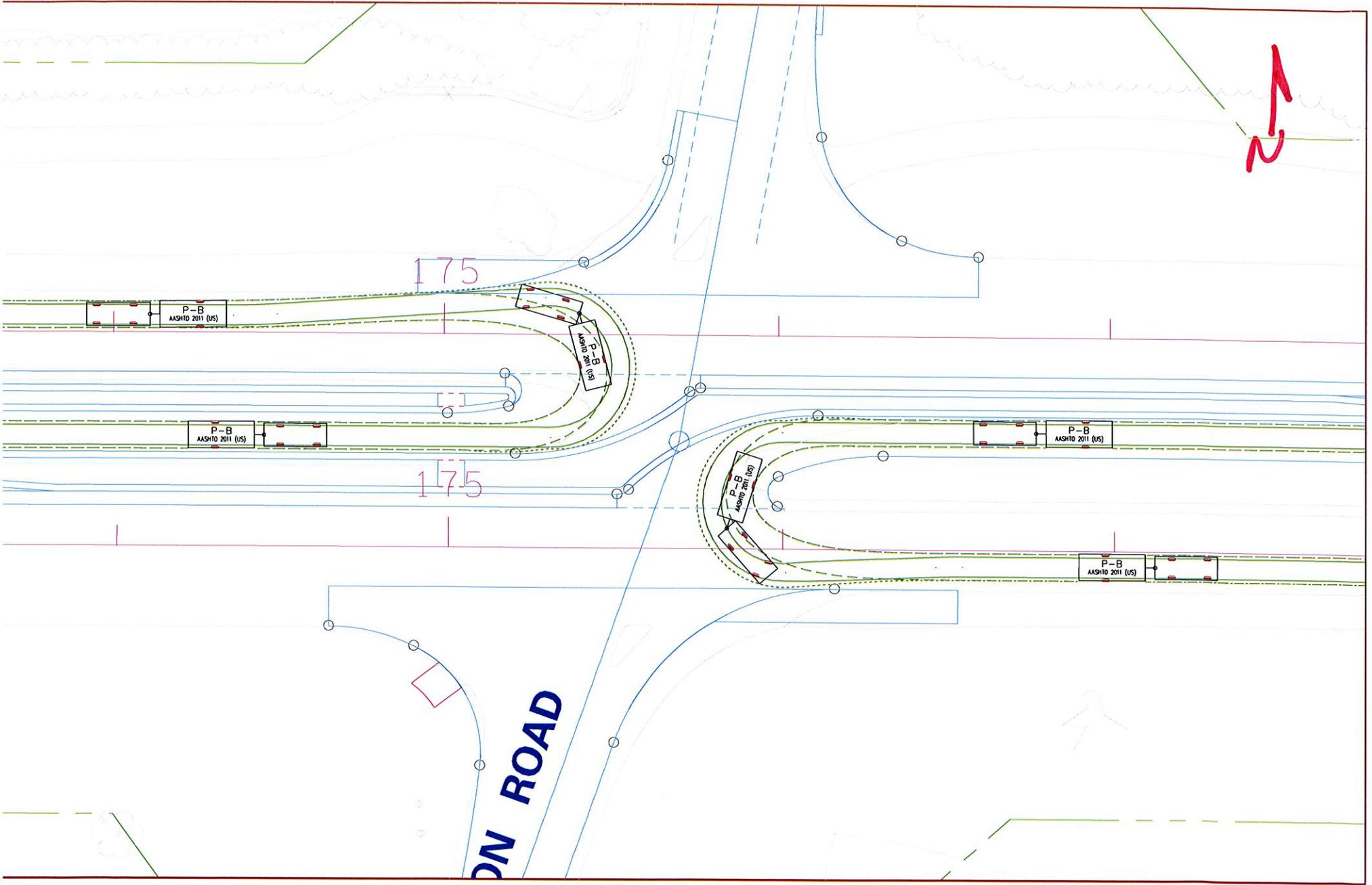


ISO Travel Time Salem Lane = 1.60 Minutes

Reduction of .84 minutes to Salem Lane

At least 1.98 minutes saved to Charlton Road Properties

All properties within 1000' of hydrants get ISO rating of 4



TH 110 U-TURN PATH

*City of Sunfish Lake
April 5, 2016
City Council Meeting*

ATTACHMENT C

2017 Improvement Proposal



April 1, 2016

Honorable Mayor and City Council
City of Sunfish Lake
1 Acorn Drive
Sunfish Lake, MN 55077

Re: Proposal for the 2017 Improvement Project

Dear Mayor and Council Members:

WSB has had the privilege of working on several projects on behalf of the City of Sunfish Lake in the past, and we are very excited to submit this proposal for the feasibility report, final design, and construction services for the above listed project.

PROJECT BACKGROUND:

The 2016 CIP identified the need to reconstruct the easterly section of Salem Church Road, along with overlaying Roanoke Road in 2017. Please see the attached map for a figure showing the proposed improvement areas.

Below we have prepared a scope of work, schedule, and engineering costs associated with delivering the project per the 429 process. If the project were to move forward, the next steps would be:

- Order a Feasibility Report that would be completed by the August Meeting.
- The Report would identify:
 - options available to rehabilitate these roadways,
 - associated costs, and
 - available financing options.
- We would hold a public meeting to discuss the findings, and potential assessments.

If the Council desires to move the project to the next phase, we would prepare final plans for Council approval and bid the project for construction in 2017.

ENGINEERING TASKS AND FEE

Phase 1 - Feasibility Report

Identify Improvements	\$2,750
Cost Estimates.....	\$750
Identify Funding Sources/Assessments	\$2,500
Public Meeting (preparation and presentation)	<u>\$1,250</u>
Subtotal.....	<u>\$7,250</u>

Phase 2 - Design

Topographic Survey	\$2,500
Cost Benefit Appraisals (2-3).....	\$1,750
Plan and Specifications	\$8,500

Bidding	\$1,250
Subtotal.....	\$14,000

Phase 3 - Construction

Construction Administration.....	\$1,750
Inspection.....	\$14,000
Staking.....	\$5,500
Record Drawings	\$500
Warranty Inspection	\$500
Contract Closeout	\$750
Subtotal.....	\$23,000

Grand Total..... \$46,000

WSB & Associates will complete the attached scope of services for a cost not-to-exceed fee. We will provide monthly progress reports and would not exceed this amount without your prior approval. If the project takes less time to design, our billing fee for this project will be reduced. Billing will occur on a monthly basis based on the percentage complete for the project.

PROJECT SCHEDULE

First Public Meeting	June 2016
Draft Feasibility Report	August 2016
Final Approval of Feasibility Report	September 2016
Second Public Meeting	November 2016
Complete Plans	December 2016
Approve Plans and Authorize Bid	January 2017
Bid Opening.....	February 2017
Award Project	March 2017
Start Construction.....	June 2017
Complete Construction	July 2017
Warranty Inspection	July 2018

This letter represents our understanding of the 2014 Improvement Project and the proposed scope of services. Please note, this proposal can be approved, and we will only complete the tasks as approved by Council before moving on to the next phase.

If you have any questions about this proposal, please feel free to call me at 763-287-7189.

Sincerely,

WSB & Associates. Inc.



Don W. Sterna, PE
Vice President

Attachments: Project Location Map

*City of Sunfish Lake
April 5, 2016
City Council Meeting*

ATTACHMENT D

2016 Street Sweeping



April 5, 2016

Honorable Mayor and City Council
City of Sunfish Lake
1 Acorn Drive
Sunfish Lake, MN 55077

Re: 2016 Street Sweeping Proposal
WSB Project No. 1011-99

Dear Mayor and Council Members:

The City received three quotes to complete street sweeping and debris pick-up on City streets. Quotes were requested from three companies. The quotes received were as follows:

Mike McPhillips, Inc.	\$ 1,475.00
Curb to Curb, Inc.	\$ 1,250.00
Reliakor Services	\$ 1,053.00

These prices are similar to quotes received in the past with the exception of Reliakor Services. They are approximately \$500 cheaper this year than in the past. Mike McPhillips Inc. has completed this type of work in past years, is familiar with the City and did an acceptable job. McPhillips bid also includes water for their sweepers and Curb to Curb’s bid stated the City is responsible for providing the water for their sweepers and additional trip charges would be invoiced for any return work if needed. There is no information regarding the City Supplying the water for Reliakor Services.

Based on past performance, I am recommending Council approve a motion awarding the street sweeping contract to Mike McPhillips, Inc. in the amount of \$1,475.00.

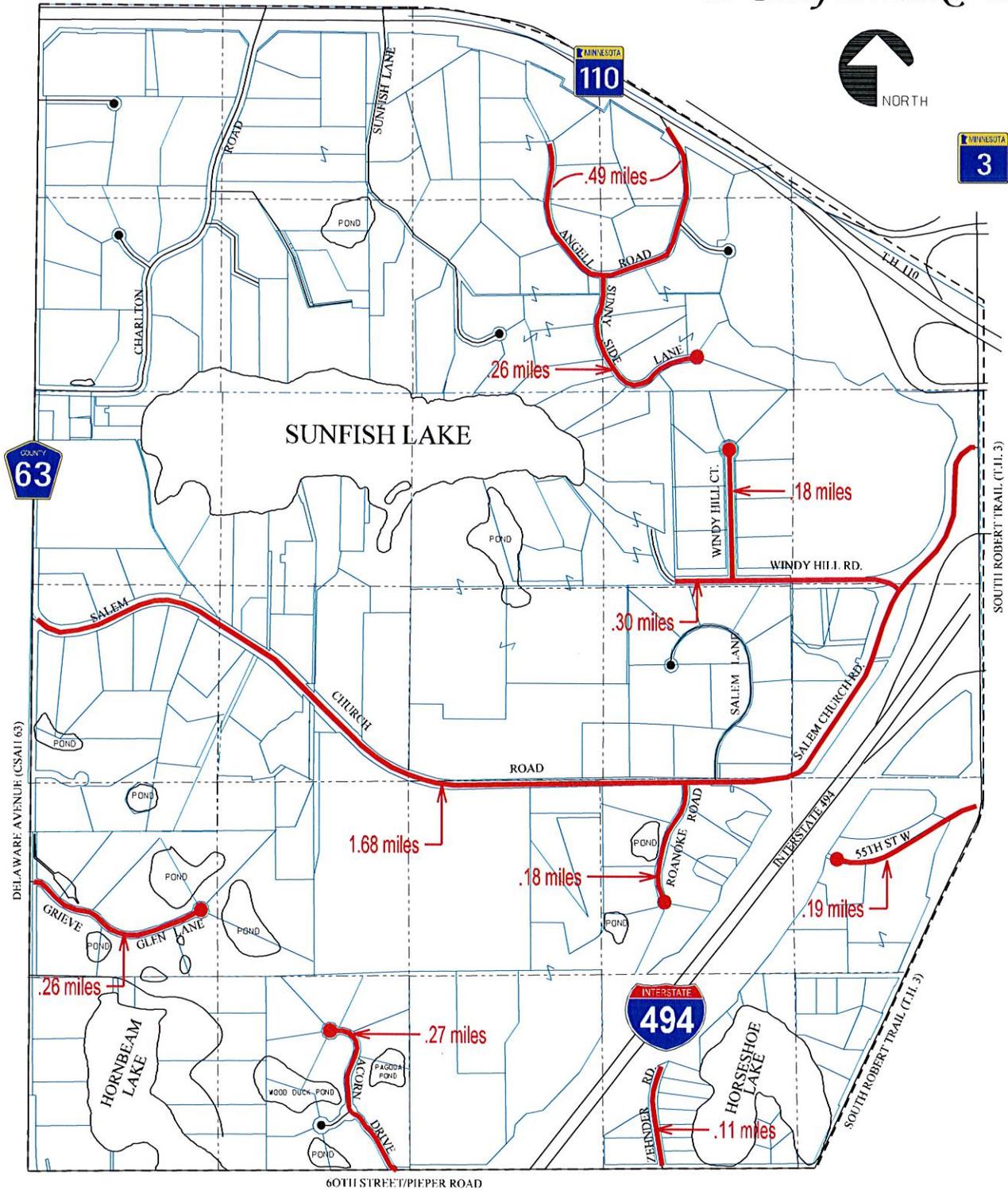
Sincerely,

WSB & Associates, Inc.

Don Sterna, PE
City Engineer

Enclosures

T.H. 110



Legend

 Street Sweeping Routes

Date: Printed: 3/20/2009
WSB Filename: T:\1011-990\2009 Street Sweeping Route\Routes.dgn

Street Sweeping Routes Sunfish Lake, Minnesota

Mike
McPHILLIPS, INC.

Commercial Sweeping • Snow Removal • Sewer Cleaning

March 8, 2016

Eric Eckman
WSB & Associates, Inc.
701 Xenia Avenue South, Suite 300
Minneapolis, MN 55416

RE: City of Sunfish Lake

Eric:

I would like to place a bid to sweep the streets in Sunfish Lake, using *Elgin Pelican* sweepers and a dump truck. Bid includes hauling debris off-site.

Amount = \$1,475.00

Thank you for the opportunity to place this bid. A certificate of insurance will be sent upon your request.

Sincerely,

Michael Edge
Vice President



Phone (952) 405-2440
 Fax (952) 405-2442

Specializing in lot sweeping

1480 3rd Avenue West Shakopee, MN 55379

ACCOUNT	PURCHASE ORDER NUMBER	WSB & ASSOCIATES, INC. 701 XENIA AVENUE SOUTH, SUITE 300 MINNEAPOLIS, MN 55416	PROPOSAL DATE	WORK PROPOSAL
PM		CITY OF SUNFISH LAKE Attn: Eric Eckman Email: EEckman@wsbeng.com Phone: (763) 512-5257	3/1/16	SPRING 2016

SERVICE	DESCRIPTION	FREQUENCY	PRICE
SPRING CLEAN	<p>Broom Machine sweep of entire parking lot and roads. This is completed in April or May to remove all sand, dirt, and debris from snow piles from winter. All debris collected will be hauled off site.</p> <p>Curb to Curb Sweeping will provide:</p> <ol style="list-style-type: none"> 1) Sweeper(s), operator(s), and fuel. 2) Certificate of Insurance upon award of bid. 3) Truck(s), driver(s) and disposal of all collected debris. <p>City will provide:</p> <ol style="list-style-type: none"> 1) Hydrant access or other suitable water source for the sweeper(s). 2) Copies of City street map. 3) Daily supervision of areas to be swept and posted if necessary. <p>*Above work is to be completed in one trip. If there are any vehicles or other obstacles in parking areas that do not allow Curb to Curb, Inc. employees to complete this job entirely there will be a trip charge of \$95.00 for any return work needed.</p>	1 time / year	\$1,250.00

“ACCEPTANCE: (I) (We) authorize the performance of the work indicated above and agree that the terms and conditions of this contract and any other attachments, if any. By signing, I authorize Curb to Curb, Inc. to perform work at above named location.



PROPERTY MAINTENANCE

SIGNED/TITLE

DATE

AUTHORIZED SIGNATURE/DATE

*City of Sunfish Lake
April 5, 2016
City Council Meeting*

ATTACHMENT E

Bituminous Patching Quote

