



Item 7b.

Sunfish Lake Engineer's Report for April 5, 2016

By: Don Sterna, PE, City Engineer

Date: March 31, 2016

1. Engineering Activities Undertaken in the Month of March.

The following Engineer's Report reflects the activities undertaken this past month, along with the anticipated engineering activity for the month of April.

- A. SWPPP Yearly Public Hearing** – At the April Council Meeting, we will be holding our yearly Public Hearing discussing the Storm Water Pollution Prevention (SWPPP) review for the City. At that time, we will discuss the current SWPPP and present ways that both the City and residents can help to continue the improvements in water quality and answer any questions from the public. Attached to the engineers report (Attachment A) you will find the presentation for your information. Meghan Litsey from my office will be presenting a short over view of the City's permitting and will be available to answer questions.
- B. Spring Load Limits** – Currently load limits are in effect and they should remain in effect thru most of April. I will be monitoring the conditions and will remove the limits when subgrade conditions are acceptable.
- C. Snow Plowing for March** – The winter was good in regards to plowing activity with the exception of the icing conditions that were incurred. Currently I am working an invoicing issue with the snow plow company, which needs to be cleared up before we can process any further invoices. The last invoice paid was for work performed up through December 7, 2015. Prior to next year's snow and ice season I would like to discuss the current City snow plow policy and the use of sand/ salt mixture for deicing to begin a discussion if changes to the policy need to be implemented for next year's winter season. I will be able to update the Council at the May City Council meeting regarding cost incurred for this past winter's snow and ice removal.
- D. TH 110 Improvement Project for 2017** – I have a request into MnDOT regarding progress on addressing the issues that were raised at the March 10, 2016 joint meeting with the City Council and the Sunfish Lane Task Force. Attached to the engineers report (Attachment B) is the turning radius for a vehicle pulling a boat to make a U-turn on TH-110 at Charlton Road as requested for you your information. Also attached is the latest fire response times from the Fire Chief based on current hydrant locations and potential hydrants in St Anne's Church parking lot, which are located in Attachment B as well. There is a significant time savings for the residents

not only on Sunfish Lane, but also on Charlton Road if two (2) hydrants were added in the Church parking lot. This also provides an additional benefit of reduction in insurance rates for structures within 1,000 feet of the hydrants based on the reduction in travel times. The last item on the list of decisions is where we want MnDOT to end their work on Charlton Road. At the Council meeting I would like to make a final decision on the desired termination point of paving limits so I can formally notify MnDOT of the City's decision on the limits for Charlton Road paving.

- E. Charlton Road Roadway Improvement Discussion** – As previously discussed at last months Council meeting, the conditions along Charlton Road continue to be a yearly maintenance issue with ever increasing maintenance costs especially on the northern half of the roadway. The roadway was just graded in mid-March and most likely will need to be graded again in late May after the spring rains. I would like to discuss this in greater detail at the May meeting to get direction from the Council on what our next steps should be. The Council will need to consider several factors, including first what if any improvements should be made on Charlton Road. Secondly, how to acquire the necessary permanent and temporary easements and lastly how to finance the work. My recommendation is schedule a public open house with the residents to discuss the current maintenance costs, maintenance challenges and drainage issues in order to discuss improvement strategies and options for Charlton Road. I met with the City Attorney back in February to discuss improvement and financing option available to the City, which I would like to discuss further with the Council and develop a path for the next steps regarding this project.
- F. 2017 City Improvement Project Discussion** – Our CIP calls for the full depth reclamation and repaving the eastern section of Salem Church Road from Roanoke Road to TH 3 including a 2" overlay on Roanoke Road. The project cost is currently estimated to be around \$286,000 for Salem Church Road and \$71,500 for the overlay on Roanoke Road for a total project cost of \$357,500. Assessing the project is a challenge due to the lack of resident's abutting the project. The next steps would be to first decide if this improvement should remain in the CIP for 2017 and if so I would then like to request the City Council consider the attached proposal (Attachment C) for consideration at the May City Council meeting to prepare the Feasibility Report that would include the development of the construction documents. The 2016 Budget included funds to prepare the Feasibility Report.
- G. Building and Site Reviews** – Over the past month, we have had one (1) pre-application meeting for a future project and one (1) major plan review submission.
- The pre-application meeting was for a proposed project at 331 Salem Church Road. Increasing the existing garage footprint by 168 square feet and adding a room above the garage.
 - The site plan review is for a project at 5865 South Robert Street. The project involves demolition of the existing home and building a new 2-story home in its place.

2. Public Works' Activities Undertaken in the Month of March.

- A.** No Public Work activities were under taken for the month of March.

3. Anticipated Engineering Activities for the Month of April.

- A. **Charlton Road Potential Improvements** – Further work on improvements to Charlton Road will be dependent on the outcome of the Charlton Road improvement discussion from the April meeting. As the annual maintenance costs continue to rise, the need for a more focused discussion on the future of the Charlton Road surface condition should be under taken. This may involve a meeting with the residents to discuss options available to the City to gage the level of support for partial improvements to Charlton Road, easement requirements and financing of the project with the residents and City Council.

- B. **TH 110 Improvement Project for 2017** – I will be in further communication with MnDOT, Task Force and the Fire Chief regarding the project to try to work through the remaining concerns that came out of the joint meeting with MnDOT, City Council and the Task Force. Again, MnDOT's schedule is to finalize their plans early in 2016, so the project can be bid later this year. Therefore, any final plan modifications need to be resolved in April in order to be incorporated into the final plans.

- C. **2016-2020 CIP Update** – We will be preparing the draft of the 2017-2021 CIP for the Council review for the May Council meeting. As discussed in previous years, this document will outline what infrastructure and maintenance projects we are looking to do in 2017 and plan for the next 5 to 10 years of for the Council to consider. The goal is to approve the CIP update at the August Council meeting which will help establish infrastructure priorities to manage the City's infrastructure.

4. Public Works' Activities Planned for in the Month of April.

- A. **2016 Crack Seal and Seal Coat Project** – The CIP called for a section of Salem Church Road from Delaware Avenue to Roanoke Road to seal the cracks and then apply a seal coat to the surface. With this work we would also need to restripe this section of roadway which receives the seal coat. In April I will be preparing the construction documents and requesting City Council authorize of the project and approval to solicit quotes for the work to be presented at the May Council meeting.

- B. **Street Sweeping Quotes** – We have requested 3 quotes for the annual spring street sweeping which I will bring to the City Council meeting for consideration. Last year's contract was awarded to Mike McPhillips. Attached to the April Engineer's Report (Attachment D) you will find the 3 quotes and our recommendation for this years' street sweeping. As the quotes show, Mike McPhillips quote is \$422 more than the low quote, however they included water which is a key component to sweeping and they have done a satisfactory job for the past few years. Therefore, I will be recommending awarding this years' work to Mike McPhillips.

- C. **2016 Street Repair Recommendation** – The approved 2016 budget contained a line item for bituminous street patch of \$7,500. In the past we have had Pine Bending Paving perform this work along with other miscellaneous public work tasks such as grading and sign repairs. I requested Pine Bend Paving to review the city street and prepare an estimate for this work based on the current road conditions. Attached to the engineers report (Attachment E) is the quote for \$5,760 that was received for your review. I will be requesting a motion from the City Council to approve Pine Bend

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Paving at cost not to exceed \$6,250 to repair and patch the city streets as soon as the bituminous plants open.

The above constitutes the Engineering Report for the City of Sunfish Lake for April 5, 2016.

Respectfully submitted,

WSB & Associates, Inc.



Donald W. Sterna, PE
City Engineer