



Item 7b.

Sunfish Lake Engineer's Report for March 7, 2017

By: *Don Sterna, PE, City Engineer*

Date: *March 2, 2017*

1. Engineering Activities Undertaken in the Month of February.

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

- A. Charlton Road Feasibility Report** – The field work involving private utility locations, field survey and soil borings were completed in January. The draft Feasibility Report is completed with the exception of the cost, which will be completed in March and final financing options will be dependent on the selected option and proposed construction schedule. At the April City Council meeting I would like to spend some time discussing the potential improvements and strategies for the next steps with the residents on the design and funding options for the project. Also I would like to schedule a time and place for an open house to discuss the project in greater detail with the residents in mid to late March, before we finalize the draft Feasibility Report. Project financing will be a challenge over the next 3 years based on the current improvement bond payment schedule. The first bond payment for the 2009 Salem Church Road Improvements is scheduled to be paid up in February 2020 and the second 2014 Street Improvements paid in full in the spring of 2025.
- B. 2017 Street Improvement Update** – The project advertisement is set for March 12 and 19. Bids will be received on April 7, 2017 and the results will be presented to the City Council on May 4, 2017 for action.
- C. Snow Plowing for February** – Over the past month the City incurred \$3,300 in costs for removing the snow and applying deicing material consisting of sand/salt mixture and in several cases just straight salt to improve the driving conditions. For the season, the City has incurred \$12,752.50 in costs for snow and ice removal up through February 15.
- D. Sunfish Lake Outlet** – Due to the warmer weather combined with the inflow of ground water into the Lake, the outlet thawed and began running in Mid- January. Due to the frozen culverts downstream, water began running over driveways and causing a mess along Charlton Road and the adjoining properties. We temporarily closed the outlet and thawed driveway culverts along with cleaning out some ditches to restore drainage along the roadway. The costs for this work so far has been \$3,000. There is a little bit more cleanup work left, but with the early warm weather, this issue should be resolved for this year. The outlet was reopened after about 5 days and should be flowing well into June this year. The outlet should be re-evaluated as part of any future project on Charlton Road to increase the reliability, reduce maintenance costs and improve its design to better control the lake levels.

- E. Spring Load Limits** – Spring load limits were posted on Monday February 20th with the early warm weather this year. The load limits should remain in effect thru most of April. I will be monitoring the conditions and will remove the limits when subgrade conditions are acceptable.
 - F. 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.
 - G. Building and Site Reviews** – No building or site reviews completed in February.
- 2. Public Works' Activities Undertaken in the Month of February.**
No other Public Works activities where undertaken in the month of February.
 - 3. Anticipated Engineering Activities for the Month of March.**

 - A. Charlton Road Potential Improvements** – Finalize the preliminary plan, proposed easements, cost estimate for Charlton Road Improvements for the April City Council presentation. The next step will be to meet with the residents to gain there input and determine funding options for the project. Any proposed project should include improvements to the outlet from Sunfish Lake.
 - B. 2017 City Improvement Project** – We will be advertising for bids for the 2017 Street Improvement Project.
 - C. Snow Plow Monitoring** – We are rapidly coming out of the winter months, however I will be continuing to monitor the City streets over the next month to make sure issues are resolved and the proper snow plow removal is utilized. Please notify me at 612-360-1289 if you see any unsafe conditions.
 - 4. Public Works' Activities Planned for in the Month of March.**
At this time, there are no planned public work activities for the month of March.

The above constitutes the Engineering Report for the City of Sunfish Lake for March 7, 2017.

Respectfully submitted,

WSB & Associates, Inc.



Donald W. Sterna, PE
City Engineer