



Item 7b.

Sunfish Lake Engineer's Report for September 5, 2017

By: Don Sterna, PE, City Engineer

Date: August 31, 2017

1. Engineering Activities Undertaken in the Month of August.

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

- A. Charlton Road Improvements Update** – In August I met with just the Church and their representative indicated that they would be willing work with the City on easement dedication, but they would like to review the plans in greater detail before agreeing to any easement dedication. The representative indicated that the final decision would still have to be agreed upon by the Church Council, but they felt the Church Council would be willing to part of the solution. The Church's representative prefers a solution that minimizes impacts to the trees along Charlton Road and they did not see the reason for widening the pavement for additional parking on the roadway. At the September Council meeting, we plan on discussing the results of the financial impacts this project would have on the City's budgets so the Council will have a better feel if the project is financially feasible with the current bonding capability of the City. Also, the wetland delineation has been completed and the report will be finished in September.
- B. 2017 Street Improvement Update** – The remaining turf re-establishment and site cleanup was delayed with the wet weather, which has disrupted construction schedules throughout the metro area. Topsoil and fine grading was completed on August 30th and the seeding is scheduled to be completed by September 1st. There are a few minor signage items to be resolved, which will be handled in September as well. The final payment will be ready in mid-September for approval of payment at the October's Council meeting. The following is the anticipated remaining schedule for Council information:
- September 5, 2017, Public Assessment Hearing
 - October 2017, Certify Assessments to County
- C. TH 110 Intersection Resolution Update with MnDOT** – In early August right before MnDOT switched traffic to the westbound lanes of TH 110, guardrail was installed along both the right turn lanes at Sunfish Lane and Angell Road. The use of guardrail in these two locations were never discussed at the meetings with the City, so it came as a surprise when the guardrail was installed. The placement of the guardrail along the right turn lanes has a greatly impact on visibility for residents on Sunfish Lane and a lesser, but also concerning decrease in visibility at Angell Road intersections on TH 110. I received several emails from residents voicing significant concerns and frustration about not being informed about the guardrail placement and requesting actions to remove the guardrail. In discussions with MnDOT they have reevaluated the actual site conditions and have agreed on the following solutions:
- 1.) **Sunfish Lane** – MnDOT proposes to extend the culvert around 350 to 400 feet to the west, add two to three inlets, filling the ditch and remove the guardrail. This basically would restore the intersection back to its original configuration.
 - 2.) **Angell Road** – MnDOT plans on overlaying Angell Road to raise the grade to improve the sight lines to improve the visibility over the guardrail. I have requested MnDOT to raise the grade as much as 5 inches and provide me with a plan so I can review proposed

grade changes before it is constructed. The embankment slope is a steep fill slope with wetlands at the bottom preventing them from extending fill into the wetlands. Existing right-of-way is also a factor preventing MnDOT from expanding the flattening the fill slopes.

- D. **Charlton Road Grading** – Charlton Road grading was delayed due to the continuing wet weather, but was final graded the last week of August. This I hope will be the last grading operation for 2017.
- E. **Sunfish Lake Outlet** – The outlet is continuing to become plugged after most rain events to a point where it is becoming unmanageable to continue to keep cleaning the pipe. I will review the pipe once again however, in November I will be closing the outlet for the winter months until the ice and snow is melted in the spring to prevent the recurrence of the issues from last spring. If improvements to Charlton Road are delayed, I would recommend that we make improvements to the outlet to resolve the continuing maintenance issues in 2018.
- F. **Sunfish Lake City Maps** – In August we updated the City maps with current known residents based on Dakota County GIS information. I will have copies for the Council and City staff available at the Council meeting.
- G. **Building and Site Reviews** – One final site inspection was performed at 2324 Angell Road for the installation of a new perimeter pool fence.

2. Public Works Activities Undertaken in the Month of August.

No Public Works activities were undertaken in the month of August.

3. Anticipated Engineering Activities for the Month of September.

- A. **Charlton Road Improvements** – The next step is dependent on direction from the Council. The next steps, if the project proceeds are to finalize the feasibility report, prepare the final easement descriptions and preparing the final easement dedication documents.
- B. **Snow Plowing Quotes** – We will be requesting our annual snow plowing quotes in the month of September for formal action at the October Council meeting.

4. Public Works Activities Planned for in the Month of September.

- A. **2017 City Improvement Project** – Will be preparing the paper work to finalize the construction contract and preparing for the final payment approval for the October City Council meeting.

At this time, there are no planned public work activities for the month of September.

The above constitutes the Engineering Report for the City of Sunfish Lake for September 5, 2017.

Respectfully submitted,

WSB & Associates, Inc.



Donald W. Sterna, PE
City Engineer