Agenda Notes 20221201

Road Condition Survey

Emmalee and Dan are updating the paved road condition survey for the entire road system. There are approximately 190 road sections. Roads are ranked 1 to 10, with “10” being a newly paved road. We are almost complete.

Asset Management and Infrastructure Mapping

We are transitioning our infrastructure data to a new platform: ESRI-ArcPRO. ArcPRO is widely used, and many State & Federal agencies use this format. Emmalee is quite familiar with it.

Seymour Street Engineering Proposal

As you may recall, Seymour Street needs infrastructure improvements, specifically sanitary gravity sewer main and force main, stormwater piping/structures, and road surface. Seymour Street is a Class II road so it can qualify for a VTrans Class II Paving Grant, (maximum award of $175,000).

Otter Creek Engineering has submitted a proposal for Phase I Conceptual Design and Phase II Final Design. These two phases total $43,000. It is our goal to get plans developed to the point that we can submit a paving grant in (typically) April of 2023. Since we received a grant in 2021 for Cady Road, we are not likely to be awarded in 2023. Regardless, the cost estimate will be very important to program Highway and Wastewater capital funds for a subsequent grant application.

Request the Committee send the proposal to the Selectboard for approval.

Colonial Drive- Fuel Cost Adjustment

We have evaluated the fuel usage and cost increase for this project. The contractor provided a spreadsheet of equipment used for the project, hours used, fuel consumption per hour, fuel price at bid, and fuel price (per month) during the project. The total fuel cost increase for the project is $23,083.91. The cost can be spread between the three (3) departments participating in the project. Highway's share will be (35%), Water-(20%) and Wastewater-(45%). All department's have adequate funds in their capital improvement reserves to absorb the additional expense.

Stormwater Feasibility Analysis

Urbanization of areas surrounding the Otter Creek has degraded water quality within the watershed. Due to extensive development, the watershed suffers from: an increase in runoff and pollutant loading, decreased infiltration, reduced baseflow, and degraded streambank habitat—all directly attributed to the effects of stormwater runoff. The proposed feasibility study will examine the opportunities available to better manage stormwater runoff, address pollutant loading, reduces peak runoff volumes, and improves baseflow.

The proposed study will take into consideration the existing Stormwater permits which the Town of Middlebury is a co-permittee on. The Town is listed as a co-permittee on eight Stormwater Permits, three of which need to be brought into compliance with current standards. Additionally, the Town will share financial obligation for permits such as the Mary Hogan Elementary School, where we own a portion of the impervious surfaces covered by the permit. In addition to permitted projects, there are several conceptual stormwater projects mentioned in the Town Master Plan that will be reviewed for feasibility. Proposed projects within the study will be developed to 30%, to allow for future funding determination. In addition to identifying achievable goals, projects that are not deemed feasible or financially applicable will be identified.

The Transportation Alternatives Program (TAP) provides 80% federal funding with a 20% local match for projects with a strong interest in stormwater quality improvement. We request that the Infrastructure

Committee make a recommendation to the Selectboard that supports our application for the TAP grant—due December 14, 2022.

Halladay Road Sanitary Pump Station -Generator Purchase Agreement

A standby generator for the pump station is a vital component of the station upgrade. The design plans for this pump station are nearing completion and the project will be put out to bid soon. This project will be funded with the Wastewater Capital Funds. Due to the extreme lead time (34 weeks) to obtain the generator, it should be ordered soon. Attached is the proposal for the generator, a Kohler KG60, and the electrical transfer switch. Start-up services are included. The proposal is for $26,327.00. This is the same generator used at the recent upgrade to the Seminary Street Pump Station. Request the Committee send the proposal for the generator package from Kinsley Power Systems to the Select Board for approval.

Engineering Firm Selection for Wastewater Treatment Facility – Discussion. A motion is in order to recommend an engineering firm to the Select Board for approval. There will be preliminary negotiations with the firm and staff prior to CWSRF approval. Then the engineering agreement will be brought back to the committee and the Select Board for final approval.