

## 20180809 PROJECT UPDATES & AGENDA NOTES

### Water System Hydraulic Study

The remaining schedule for the study is as follows:

Complete field testing.....	August 10.
Assess Water System Surges.....	August 31.
Complete System Demand Analysis.....	August 31.
Visit Top Usage Customers.....	August 31.
Assess System Storage.....	August 31.
Prepare and Calibrate Water Model .....	September 24.
Analyze System Improvements.....	September 28.
Provide Recommended List of Improvements.....	October 19.
Meet to Discuss Recommended Projects.....	October 26.

### Waste Water Pump Station Improvements

I have sent out a Request for Proposals- Engineering Services for evaluation and design services for three of our Pump Stations - #6 Seminary Street Ext., #13 Halpin Road, and #14 Painter Hills Road, including conversion to submersible pumps, upgrade to piping and valves, stand-by power, updated controls, possible new wet well at PS14, and evaluation of a force main serving PS 13. The proposals are due on August 9 and this will be a consideration at the August 30 IC meeting.

### Charles Avenue Project

As of this writing the project is on schedule. Underground work is complete; streetlight bases installed. The road surface has been recycled. Curbing is next on the schedule.

Chipman Park & South Street Project

Update will be provided at the meeting.

Sidewalk Project

The contract with Acker Excavating LLC was signed on July 25<sup>th</sup>.

Public Works Building – Repairs

A bid packet for repairs to the building has been prepared and advertised. Bids are on August 9 at 1:30pm. Work involves fascia trim replacement, door replacement, and other minor improvements. This will be a consideration at the August 30th IC meeting.

AGENDA NOTES

Tree Removal in Town Green and Court Square

Bids were received from three (3) contractors to remove the seven (7) trees in the bid packet. The results are:

Webb's Tree Service	\$2,900
Heartwood Landscp & Tree Serv.	\$3,570
Vaillancourt	\$6,000

The Caring for Canopy Grant has \$ remaining for this project. The remaining funds can come from the Capital Tree line item.

Request the IC send this to the Select Board for approval.

## COMBINED SEWER OVERFLOW INITIATIVES

### Pump Station 3 & 9 Force main Improvement

This project involves re-alignment of the force mains from these two pump stations so the pumping capacity is less restricted in times of high flows. Bids from one (1) contractors was received on August 2.

Champlain Construction was the only bidder at \$21,286.49. The consulting engineering firm of Aldrich and Elliott, Inc. recommends awarding to Champlain Construction,

Request the Committee send the bid from Champlain to the Select Board for approval.

### Combined Sewer Overflow- Pump Station 9 Improvements: Engineering Proposal

One of the alternatives to address the overflows at PS 9 is to add increased storage at the pump station site. However, we do not know the extent of the overflow volumes as there is no way to currently measure them.

I requested Aldrich & Elliott to submit an engineering proposal to design an overflow monitoring structure for PS 9. Since A&E have completed the CSO Report submitted to the USEPA, it follows that they provide continuity with this process. A&E have proposed an amendment to their contract for previous CSO work. This proposal (\$5,900) covers Final Design and Bid Phase services only. The proposal is attached in your packet.

Request the Committee send the A&E proposal to the Select Board for approval.

## WATER RESERVOIR REPAIR

The contractor began work on July 17th. At the last IC meeting we briefly discussed the need for a protective coating for the concrete top of the reservoir. The coating needs to be waterproof, durable, breathable and flexible enough to seal small cracks. After the reservoir was cleaned, very tiny cracks were visible after a rain shower. These cracks are predominate above each of the 18 columns in the reservoir and along the edges.

A product called TAMOSEAL, manufactured by Euclid Chemical is recommended for this application. It will be sprayed on. I requested the contractor to provide a cost proposal to apply this product. The cost proposal is attached. Funds will come from the Water Capital Fund.

I request the Committee send the proposal to the Select Board for approval.

The estimated lineal footage of crack repair in the original proposal was 140 feet; the unofficial repair length is 145 ln.ft. The estimated deck-top spalled repair area was estimated at 800 sq.ft. The unofficial area is 450 sq.ft.

Also note that I will be requesting bids for fencing to surround the reservoir. This is an outstanding item to remedy in our sanitary survey from the State.

## Trailer Purchase For Water Department

The trailer the Water Department uses to haul the safety trench box and other supplies is in need of replacement. Bill Kernan will review the bids for a replacement trailer. G. Stone submitted the low bid at \$10,280.25. There are adequate funds in the Water Department's equipment reserve fund for this purchase.

Request the Committee send the G. Stone bid to the Select Board for approval.