

Approved 12-13-21

**Board of Public Works
Meeting Minutes**

Date: November 8, 2021

Time: 6:00 p.m.

**Place: Library Program Room
Library Plaza**

In attendance for all or part of the meeting were the following:

Robert Shaughnessy	Chairman
Dave Carriere	Vice Chairman
John Cusick	Member
Tom Reynolds	Superintendent
Dan Bowen	Assistant Superintendent
Rod Procaccino	Town Engineer
Paul Tomkavage	P.E., Project Manager
Ann Marie Sacchetti	Board of Public Works Secretary

The meeting convened at 6:01 p.m.

Dave Carriere motioned to open the meeting and reviewed the agenda which included action items, items for discussion, minutes, and Superintendent's report.

Seconded by John Cusick

All in favor.

ACTION ITEMS

- 1) Award Contract 2022-02 Re-development of Well & Replacement of Well Pumping/Furnace Brook 2

Rod was present to review the contract. Project status: the Furnace Brook Well No. 2 pumping capacity has dropped off 300 GPM and is causing unacceptable cycling of the system high-head pump at the treatment facility. Pump testing indicate both well cleaning and pump replacement is necessary. The last cleaning and pump replacement was conducted in 2007. Staff recommends awarding Contract 2022-02 to Denis L. Maher Co. of Sterling, Ma in the amount of \$48,141. References have been checked by the Town's consultant Amory Engineers, who determined that D.L. Maher Co. met minimum qualification.

MOTION: Robert Shaughnessy motioned to award Contract 2022-02, Redevelopment of Furnace Brook No. 2 and Replacement of Well Pumping Unit, to Denis Maher Co., Sterling, MA in the amount of \$48,141 and authorize the Chairman or designee to sign the contract when the documents are prepared.

Seconded: Dave Carriere

All in favor.

- 2) Engineering Services Plymouth Ave. Pump Station By-pass & Pump Evaluation

Rod reviewed the contract details. Description: the ductile iron sewer force main (1800lf) in Plymouth Ave. from the Plymouth Ave Pump Station is over 40 years old. Similar vintage pipe at the Avon Pump Station required re-lining due to deterioration from both exterior and interior exposure. The proposal will provide engineering services to evaluate the sewer force main and determine if replacement is needed at this time. The effort will include an alternative analysis to determine if the

force main could be down sized, based on smaller capacity pumps, lined or replaced. Staff recommends authorizing funding to conduct Plymouth Ave. Pump Station Force Main Assessment by Environmental Partners Group.

MOTION: Dave Carriere motioned to authorize amendment to EPG General Service Agreement to include task 1 through task 4 of proposal dated October 27, 2021 from Environmental Partners Group LLC, Quincy, MA for engineering services to conduct Plymouth Ave. Pump Station Force Main Assessment for and amount of \$47,700 and to authorize the Chairman or designee to sign the contract amendment when the documents are prepared.

Seconded: Robert Shaughnessy

All in favor.

3) Engineering Services Dyke Road Sluiceway / water Main & Seer Crossing Replacement Design & Permitting *Passed Over*

4) Engineering Services for Replacement of Drainage on Surf Ave.

Rod gave an update on the amendment. Description: drainage system in Surf Ave. is in a deteriorated state and needs to be replaced. The installation of a new water main will require construction to be too close to the existing drain and will likely cause collapse of the drain during construction. It is recommended that both the water and drainage be installed at the same time within the same trench located approximately 4 feet apart. This should save approximately \$300K in construction costs versus constructing in two separate excavations. The project amendment includes additional soil subsurface investigation to determine soil bearing capacity and additional field survey. Amendment No. 2 will include realignment of water main to alternate location preferred by the town and design of drainage replacement including 600lf of 18 inch RCP Drain and 1500lf of 12 inch RCP drain and approximately 40 structures in Surf Ave. Staff recommends authorizing additional funding for Field Survey, Subsurface investigation and design of drain replacement and new water location in Surf Ave. task 1 and 2.

MOTION: Dave Carriere motioned to authorize Amendment No. 2 to Contract 2021-13 to include only task 1 and task 2 of proposal from Environmental Partners Group LLC, Quincy, MA for engineering services to replace drainage collection system in Surf Ave. and relocate water main for an amount of \$51,300 and to authorize the Chairman or designee to sign the contract amendment when the documents are prepared.

Seconded: Robert Shaughnessy

All in favor.

5) Change Order #2, Contract 2021-14 Flow Meter Project to D&C Construction

Paul Tomkavage was present to provide details of the change order. Scope of work installation of a flow meter and associated piping and infrastructure at Macker Terrace, which was original Add alternate 1 as bid. Installation of three additional valves at each station which was Add Alternate 2 as bid. Staff recommends approval of this change order. Adding a flow meter at Macker Terrace (Alt. 1) completes the metering of the wastewater pump stations. Installation of three valves at each station (Alt 2) enhances operational flexibility by allowing the meter vault to be bypassed, i.e., the meter needs service/repair, while the station continues in operation.

MOTION: Robert Shaughnessy motioned to approve Change Order No. 2 in the amount of \$52,400.00 to Contract 2021-14, Marshfield Pump Station Flow Meter Project to D&C Construction and to authorize the Chairman or designated member to execute the contract documents when they have been prepared.

Seconded: John Cusick

All in favor.

6) Extension of Contract No, 2020-08, Construction Equipment Rental & Labor: third & Final Year Extension

Rod provided the details of the extension. The Marshfield Department of Public Works seeks to extend the contract for year three of the three year contract for equipment rental and labor contract for short term maintenance, long term infrastructure projects and/or repair work to its infrastructure as necessary. At time the maintenance and repair work may occur under emergency circumstance which may require an emergency response. Staff recommends extending Contract No. 2020-08 with Mass Pavement Reclamation Inc. of Hanover, MA. Mass Pavement Reclamation Inc. has been responsive on all accounts, including a adverse weather conditions. Over the past year the contractor has completed the following projects: couch Cemetery Project, Bartlett's Isle Drainage and Water, Rt. 139 (Plain Street) Water Main Replacement, Longview Terrace Water Main Upgrade, Ocean Street @ Franklin Sidewalks, Murdock's Pond Spillway Dam Structural Repairs, Old Main Street Sidewalk/Road Reconstruction.

MOTION: Robert Shaughnessy motioned to extend Contract No. 2020-08 Construction Equipment Rental and Labor with Mass Pavement Reclamation Inc. of Hanover, MA for one additional year (third and final year extension) starting November 15, 2021 and to authorize the Chairman or designated member to execute the contract documents when they have been prepared.

Seconded: John Cusick

All in favor.

BOARD DISCUSSION

1) Planning Board Article Passed at Fall STM-Potential Impact & Demand on our Water Supply & Sewer System

Bob has concerns with the impact of the high density proposals and the demand on our water supply and sewer system. Where is our master plan and updates need to be added. Rod indicated there has been no update as of yet. Nothing has been provided by Moderna. Bob stated the plan has been in place for 15 years and things have changed. The high density projects will have an impact on our systems. We need to have communication with the BOS and Planning Board. We need to plan ahead for the changes to come. Also, in regard to the solar rays, they propose contamination to our water supply. What you put on the surface of the ground ends up in our water supply. We are very concerned about our water supply and the quality of it. Because of the housing shortage they are pushing us to have high density. From a water and wastewater standpoint we need to be prepared. Tom will move forward with the communication efforts with the Town Boards.

VOTE TO ACCEPT MINUTES – 10/12/21 & 10/18/21 (STM) Open Minutes

MOTION: Dave Carriere motioned to accept open meeting minutes from 10/12/21.

Seconded: John Cusick

All in favor.

MOTION: Dave Carriere motioned to accept open meeting minutes from 10/18/21.

Seconded: John Cusick

All in favor.

SUPERINTENDENT'S REPORT

1) Update on 965 Plain Street – Tom gave the update. Last Thursday we had the kick-off meeting with the contractor, the Town project manager and the design consultant. We are anticipating a quick turn around with submittals. There may be some work here with the drainage. The contractor indicated that he will be preparing to begin the drainage.

2) Update on Marshfield Hills Sidewalk Project – Tom indicated that the project is substantially complete. Weather permitting the crosswalks may be done this week. We had planned to do a walk through last week but was delayed due to the storm. We are hoping to catch up.

3) Storm Update – He cannot give enough credit to the men and women of the department for their response to the storm. CTG was called in on Tuesday evening at about 8:00 p.m. and then Highway personnel came in at about 11:00 p.m. He (Tom) was in Town at about 4:30 a.m. It was hurricane force winds. Almost the exact day of the 30th anniversary of the Perfect Storm. The way it ramped up during the last minute wreaked havoc. Many roads were impassable due to downed trees and wires. Once Eversource was activated we had to wait for them for safety reasons as we did not know what was energized. We were offered mutual aid. We accepted but did not need it because we had to wait for Eversource. We had 2 crews out clearing and chipping. We were only addressing the trees that were taken down in the wires. We pushed many branches/brush off to the side of the roads. There are still many logs on the side of the roads and we do not have the resources to retrieve them. We are preparing the storm costs for the meeting at the EOC as we may be able to receive some disaster aid.

There are still many trees down in certain neighborhoods where many trees have been uprooted. We are not taking brush from anyone's back yard. We don't have the resources or space to take it. We have kept track of our hours and equipment. Again, the men and women of this department came through three fold and thankful that we have them. It will be an on-going clean up. Some fields have damage. Also, the ARP funding that we have the need for is as follows; the Surf Ave. water main and drainage upgrade, roughly \$2.2 million dollars ; Dyke Road water and sewer upgrade is about \$425K, the Plymouth Ave. Pump Station is about \$2 million dollars for the bypass, upgrades to the building. Aside from that, we can't open up the transfer station to residents without stickers as we do not have the capacity. Tom indicated he will speak to the Fire Chief in regard to burning.

4) & 5) Solid Waste Capital Projects; install full load emergency Generator at Transfer Station – Tom indicated that Dave brought it to his attention that there was no power at the location. Having a generator at this time of year but also as winter proceeds is necessary. We have lost power there on several occasions. It becomes a safety issue; also to replace the loader there. Wastewater Capital, we need to replace the Vactor Truck and the Camera Truck. Water Capital, water main upgrade in Rexhame area, and to purchase a utility service truck. From General Fund, CTG Capital, requesting for cemetery expansion, deck mower, and replacement of truck #117. For Engineering Capital, Old Ocean Street Culvert Rehabilitation and NPDES Permit BMP Implementation. For Highway Capital, request for replacement of #68 with Chevy 1 ton crew cab with plow, purchase of carpenters van, road reconstruction, and purchase for wheeled excavator.

NEXT MEETING – November 22, 2021

At this time the open meeting of the Board of Public Works for November 8, 2021 adjourned at 7:39 p.m.

Respectfully Submitted,

Ann Marie Sacchetti,
Board of Public Works Secretary