

Approved Minutes of QCBFD Public Works Committee
Held on Saturday 18 June 2016
Held at Home of Wallace Kelly
1 Sea Breeze Avenue
Charlestown, Rhode Island 02813

Members in Attendance: Wally Kelly, Bill Meyer, Jim Montstream, Tom Frost and Dick Campbell

Members Absent: Vince Reppucci

Also in attendance were two members of the public.

I. Call to Order

The Chairperson, Wally Kelly, called the meeting to order at approximately 8:00 am.

II. Approval of Minutes

A motion was made to correct the draft minutes of the 15 December 2015 meeting of the Public Works Committee. The motion was seconded and passed, with all committee members in attendance voting in favor of the motion. A motion was made to approve the minutes as corrected of the 15 December 2015 meeting of the Public Works Committee. The motion was seconded and passed, with all committee members in attendance voting in favor of the motion.

III. Discussion and recommendations regarding the placement and design of “speed-bumps” on QCBFD community roads.

The difference between a “speed bump” and a “speed hump” was discussed and Wally Kelly’s research concluded that “speed bumps” were not generally recommended for through traffic streets but “speed humps” were. A motion was made to recommend to the B of G that QCBFD adopt as our standard speed restrictor, a speed hump that measures 39 inch wide by 2 ¾ inch high and with a 10 inch wide flat top with a straight line taper on each side. The motion was seconded and passed, with all committee members in attendance voting in favor of the motion.

A motion was made to modify the current speed bump at 85-90 Surfside to this proposed speed hump shape to confirm this proposal. The motion was seconded and passed, with all committee members in attendance voting in favor of the motion.

Regarding the placement of speed bumps/humps, a map was presented by Wally Kelly that showed the location where speed restrictors should be located based on the rule that they should be located every 300 feet or at the midpoint if distance is less than 600 feet. Also, the map showed the location of the present speed bumps. A motion was made to recommend to the B of G that QCBFD adopt the position that additional speed humps, if requested, must conform to the recommended shape and location. The motion was seconded and passed, with all committee members in attendance voting in favor of the motion.

IV. Discussion and recommendations regarding the placement of, the design and cost estimates related to the placement of stop signs at the seven locations where the QCBFD community roads intersect the Charlestown town roads.

A motion was made to recommend to the B of G that if and when a decision is reached to install the seven stop signs that they be 24" x 24" hex, 0.080 thick aluminum with a high-intensity reflective finish, attached to a white stained 8' long pressure treated 4" x 4" post set 3' into the ground, and located such that there is adequate visibility in both directions and white stop lines be painted adjacent to the stop signs. The motion was seconded and passed, with all committee members in attendance voting in favor of the motion except Bill Meyer who voted against the motion. Based on Peter Whitman doing the post installation and the remaining work being done by volunteers, the estimated total cost is \$1,200 to \$1,500. If any of stop signs require being located on the town of Charlestown right-of-way, to meet the visibility requirements, these locations will need to be reviewed with and get approval from Alan Arsenault, the Director of Public Works for the town of Charlestown.

A motion was made to have stop signs installed only during the summer season. The motion was not seconded.

V. Review of the current monthly nitrate levels in our public water wells. Discussion related to the use of well #2 as our primary well to reduce the maximum nitrate level we experience later this summer and fall. Also to provide the critical data needed to support the possibility of adding an additional shallow (ground water), acting as the primary well to current well #2, that has the potential to keep the yearly peak nitrate level in our wells at or below 5 mg/l.

The nitrate levels in our public water supply during 2014 exceeded 5.0 mg/l for five months, peaking at 6.2 mg/l. During 2015 the primary water source was switched from well #1 to well #2 at the end of August and the nitrate level in our water supply exceeded 5.0 mg/l for only one month, peaking at 5.1 mg/l. For 2016 we have continued with well #2 as the primary well and the nitrate level in our water supply during January through May has been below the levels during the same months in 2015 when well #1 was the primary well.

The primary water source was switched from well #2 to well #1 on 16 June 2016. One reason for taking this action was due to the rapid increased demand for water and higher level of iron rust in well #2 water resulting in an increased delta pressure drop across the water filter located in the pump house. Staying with well #2 as the primary water source would require the number of on-site visits to change the filter from weekly to twice a week during late June, July and August and three times a week during the two upcoming holidays. This demand would be very difficult for NWSI to accomplish without local assistance. This action will also reduce the amount of "in solution" iron entering the distribution system and then oxidizing out down stream of the pump house resulting in increased iron rust in CB homes. Also the action of using well #2 as our primary well from September 2015 to mid June 2016 may reduce the peak nitrate level in well #1 later this year. If and when the nitrate level in well #1 exceeds 5 mg/l later this year, we will need to address this issue again. Members of the committee requested the chairperson obtain a cost estimate from NWSI to

change the pump house filter based on using well #2 as the primary well from mid June through Labor Day and a cost estimate for the installation of a iron removal system, including iron in solution.

Members of the committee requested the chairperson put together a single page document that includes all the information regarding the two deep test wells drilled in the fall of 2015 and be sent out to the committee. This request was also made at the last Public Works Committee meeting.

VI. Adjournment

A motion was made to adjourn the meeting at 9:05 a.m. The motion was seconded and passed unanimously.

Respectfully submitted,

Wallace Kelly, Chairperson

Quonochontaug Central Beach Fire District Public Works Committee