

The Public Works Commission met at 7:15 p.m. on Wednesday, April 13, 2016, at the Select Board Room at 22 Monument Square, Concord, Massachusetts. Pursuant to Chapter 303 of the Acts of 1975, notice of the above meeting was duly filed with the Town Clerk, Town House, and Monument Square, Concord, Massachusetts.

PRESENT:

Commissioners:

Andrew Boardman
Arthur Fulman
Toby Kramer
Nick Pappas

Absent:

Peter W. Wallis

Staff:

Richard K. Reine, PWLF, Public Works Director
William Renault, P.E. Town Engineer
Anna R. Trout, Administrative & Special Projects Coordinator

Other:

Alice Kaufman (Select Board Observer)
Robert Hilsinger (League of Women Voters Observer)

A: ACTION ITEMS

A-1 through A-4 - The meeting was convened at 7:15 p.m. by Commissioner Fulman.

The March 9, 2016, meeting minutes were approved.

The next two PWC meetings were scheduled for Wednesday, May 11, 2016 and June 8, 2016 at 7:15 P.M. at 141 Keyes Road.

The West Concord Advisory Committee and Green Thumbs are having an Open House next week to discuss many West Concord focused items which include the Church Street bump out and curb line reconfiguration which will also create a plaza where people can sit. CPW is in the process of coordinating a public outreach meeting for the May PWC meeting which will also be attended by members of the West Concord Advisory Committee and West Concord Green Thumbs.

D: DISCUSSION/ACTION ITEMS

7:20 P.M. D-1: 2016/2017 Roads Program Public Hearing

Commissioner Boardman **MOVED** and Commissioner Pappas **SECONDED**, and it was **UNANIMOUSLY VOTED** as follows:

To open the Public Hearing for the 2016/2017 Roads Program.

Director Reine explained that public meetings are held on site early in the morning to discuss projects at project sites. This provides people with the opportunity to talk about issues that they observe. Many of these suggestions are incorporated into the design work. Appreciation was expressed to the Public Works Commission for all the work they did on the article that passed at Town Meeting for 1.35 Million Dollars. This provides a great opportunity for Concord Public Works to continue to maintain the Town's infrastructure. There are 107 miles of roadway that require maintenance. Because we invest properly, between the bonding, Chapter 90 Funding and other funding – it allows us to achieve the PWC's long standing goal of maintaining a Pavement Condition Index (PCI) at 80+.

The goal is to maintain 107 miles of roadway. CPW uses a strategic approach that utilizes VHB's pavement management software and includes a field condition assessment of all roadways every four years. During years one through three we spot check the theoretical roadway deterioration that is predicted from the pavement management deterioration curves. We look at the actual benefit value index or BVI which is a number derived which uses Average Daily Traffic on the roadway, the cost and longevity of the repair and PCI. We also use engineering judgment and coordination with some of the other roadway projects such as sewer and water main replacement and all the other utility work that is required on each roadway. Drainage improvements are also incorporated in each design where it is needed to ensure a sustainable and lasting design.

Funding sources include \$680,000 of Chapter 90 funds, \$140,000 from the Road Repair Revolving Fund (Article 27), Operational Budget and Capital Budget of \$90,000 for roadway improvements. In addition there is a bonding authorization of \$1,350,000.

As mentioned the Pavement Condition Index (PCI) is measured out in the field every four years. This provides a calibration to see how the deterioration curve actually is in alignment with real field conditions. We then have a treatment strategy that is developed for each one of those brackets. The PCI is used as one piece of the plan for CPW to determine which roadways are incorporated into the plan. The other component is the Benefit Value Index (BVI). There are a few inputs including the cost of the project, PCI, longevity and average daily traffic that are used to determine the BVI. About seven years ago a strategy was initiated dedicated towards placing a portion of each year's funding towards the residential road program. Otherwise due to the low average daily traffic count and high cost of repair these roadways would seldom raise to a level which would prioritize their reconstruction. In some cases a roadway improvement is deferred for a number of years to accommodate a water main replacement or other utility as needed.

Town Engineer, Bill Renault, explained that the FY17 roads program will be broken into three bids. The first one will rehabilitate 2.7 miles of roadway. A

pavement patching bid will also include a portion of 5.4 miles of roadway. Parking lot rehabilitation on Keyes Road, Walden Street and Church Street will also be included in the 2016/2017 Road Program.

Lowell Road is scheduled for mill and overlay treatment from Barrett's Mill Road to Westford Road. The work area will include the Lowell Road Culvert Replacement, drainage collection system replacement near Westford Road (both partially funded through FEMA), and realignment of Barrett's Mill and Lowell Road intersection to meet ADA requirements. Mill and overlay of a section of Lowell Road to 1,000' north of Lowell Road will be completed. This will be coordinated with the Lowell Road Culvert and drainage collection system replacement.

There will be a mill and overlay of Sudbury Road from Heath's Bridge Road to 1,000' north of Heath's Bridge Road. Kenny Dunn Square will have a reclaim within the square area itself. This is located at the Pail Factory Bridge to Commonwealth Ave. to Laws Brook Road. ADA upgrades will be completed to ramps in the area, the sidewalk will be extended to the Pail Factory Pocket Park at Warner's Pond Dam and repairs will be made to the brick sidewalk in the island. The Pail Factory Bridge itself has weight restrictions following an assessment by MassDOT. Rather than disturbing this area which may result in further bridge issues CPW has elected to not include any pavement milling and paving directly over the bridge.

A reclaim is planned for Shadyside Avenue. This covers Lexington Road to the end of the roadway. Two culverts will be replaced and drainage improvements will be made at Lexington Road near the intersection and on the east side of the road. There was some history where Public Works paved this area, leaving a section unpaved which was private. Public Works then went in and paved that last section. We do not intend to pave the section of the road that is determined to be private.

Adams Road will have a reclaim treatment from Elm Street to Nimrod Road. A small drainage extension will be completed to correct some flooding. Re-grading at Elm Street and Colburn Hill will be performed to correct drainage issues. Curbing and under drain will be installed.

Final design is occurring this month with a May NRC hearing to permit the culvert rehabilitation on Shadyside. CPW is planning a June bid for a July construction start for this project.

The second bid is for the patching program. This approach began last year. These are isolated areas that are being targeted for patching. A "mill and fill" approach is performed on these roads. Full depth patching will be performed where needed. Construction is proposed on Main Street from Sudbury Rd. to Rte. 2; from Westford, Lowell to Spencer Brook Road, ORNAC - Rte. 2 to Sudbury Rd. and Sudbury Road from Powdermill to Route 2. This is a total of 5.4 miles of roadway that will have patching at selected areas. This is scheduled for a May bid with construction to begin in July.

The third bid is for parking lots. This includes the reclaim of the Keyes Road, Walden Street and Church Street lots. Some new Sustainable Infrastructure retro fits will be installed along with implementation of portions of the Parking Management Team recommendations which includes multi space meters and signage. Design will be completed by August with construction to begin in September. There will be a significant public outreach program for this project. Commissioner Boardman mentioned that it would be good to keep the closure of Middlesex Bank and Bank of America's drive-throughs to a minimum. Director Reine indicated that CPW is sensitive to the busy shopping season and the impact that parking lot construction can have on merchants and shoppers and may defer actual paving on some or all of the lots until 2017 depending on timing of design and bidding.

Commissioner Kramer **MOVED** and Commissioner Pappas **SECONDED**, and it was **UNANIMOUSLY VOTED** as follows:

To close the Public Hearing for the 2016/2017 Roads Program.

D-3: Director's Report

- **New Commissioner** – KC Winslow will be joining the Public Works Commission.
- **Early Sweeping** – There will be some early sweeping, beginning at 4 A.M. tomorrow – in preparation for the Patriots' Day Parade. An announcement will be made via news/notices to residents.
- **Nagog Pond** – The water level is very high at this time, which is typical for the spring.
- **Sleepy Hollow Culvert** – An Order of Conditions has been issued by the NRC. Final design and bid will be prepared and construction will begin this year. The railroad culvert will be slip lined. The swamp trail culvert will be completely replaced. A pedestrian bridge will be installed where the main culvert is located.
- **Business Recycling Event** – The April 1 event was well attended. Eighteen businesses participated.
- **Reformatory Branch Trail Culvert Repair** – Permitting is underway for the repair of this culvert, located in the priority habitat of the Blanding's turtle and the Britton's Violet.
- **Assabet Avenue** – CPW is pursuing methods of improving drainage in this area.
- **Winter Maintenance** – There was an April 4 storm event that occurred during Town Meeting. A great job by CPW storm fighters was done so that the meeting took place as scheduled.
- **Patriots' Day Preparation** – Raking, sweeping and patching were performed along the parade route.
- **Meriam's Corner Accident** – A tractor-trailer truck knocked over the monument. Crews and a contractor worked quickly to replace the monument and repair the wall in time for the April 9 ceremony.
- **Doug White Field** – This is in good condition. A third party maintainer will come in to do a warranty examination.

- **Monument Street Wall Repair** – Park and Tree Specialist Steve Barter completed repairs to damage on the Monument Street Wall.
- **Water Quality Report** – Concord’s Consumer Confidence Report has been issued.
- **Seasonal Flushing** – Concord performs unidirectional flushing with a GIS map to strategically flush to a designated area that removes sediment.
- **Robinson Well** – This well is back online after the replacement of a pump.
- **NPDES MS4 Permit** – This was released by the EPA Region 1 in the Federal Register today. This goes into effect in July of 2017. An NOI will need to be submitted that looks at all minimum control measures. Best Management Practices will be developed to address the six minimum control measures.
- **Cambridge Turnpike Update** – We expect to have the signed settlement agreement in place over the next week or so. All parties are in agreement with the terms. A new contract is being negotiated with a new firm, which was the next most qualified engineering firm as part of our qualification based selection – CMA Engineers. They have put together a solid team to develop a scope and fee. Those contracts should be signed soon.

D-4: Commissioner’s Comments

Commissioner Kramer asked about the paint collection program for the Town. She was informed that latex paint should be dried out and then put at the curb for disposal. Oil based paint can be brought to the Compost Site on Saturdays between 9-3 for proper recycling.

D-5: Public Comments

Alice Kaufman asked about recycling. She had spoken to a resident that was told that her recycling was being disposed of with trash. Concord has a separate truck for trash and another for recycling. Occasionally the regular recycling truck is replaced with a “co-mingled” vehicle where paper and plastic items are put together. Alice was asked to provide more details so that further investigation can occur.

There also was a question about opening the compost site on additional days other than Saturdays. Director Reine will investigate if this might be possible. The issue is that the site needs to be staffed.

ADJOURNED: 8:37 P.M.

Respectfully submitted,

Approved,

Anna R. Trout
Administrative & Special Projects Coordinator
Concord Public Works

Arthur Fulman
Public Works Commission