



## TOWN OF MILTON, VERMONT 05468

Department of Public Works:  
Admin, Buildings and Grounds, Highway Operations, Water and Wastewater

To: Milton Select Board

From: David K. Allerton, P.E., Director of Public Works

CC: Don Turner, Town Manager

Re: Milton DPW Year 2019 in Review – January 6, 2020

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Below is an update on DPW accomplishments and activities in 2019.

### DPW STAFFING

#### Employee Milestones

1. Danny Sweeney, 5 years
2. Larry Blow, 5 years

#### New Employees

1. Ashley Toof, Public Works Engineer
2. Larry Underwood, Highway Division Mechanic
3. Steve Edgerly, Water/Wastewater Operator

### DPW HIGHWAY DIVISION

1. Purchase of New Equipment
  - a. Single Axle Dump Truck, \$153,259
  - b. Cold Planer for Bobcat, \$4,500
  - c. Total Expenditure on New Equipment - \$\$157,759
2. Work Completed
  - a. 330-feet of shoulder berm, and 1,280 feet of berm beneath guardrails removed
  - b. 13,465-feet of roadside ditching
  - c. 21 Catch basins cleaned
  - d. 5 Catch basins repaired
  - e. One 24-inch drainage outfall flushed and jetted
  - f. 10 culverts replaced, a total pipe length of 486 feet
  - g. ±130 tons of asphalt patching
  - h. Beebe Hill Road ditching and road repair (Grants-in-Aid Project)
  - i. Bear Trap Road, repaired road base prior to contractor paving
  - j. Kingsbury Crossing ditching and road repair (Grants-in-Aid Project)
  - k. Bartlett Road reconstruction.

- l. Repaired Rollin Irish Road, Mars Hollow Road, and cleaned up River Street Park after the Halloween rain event (the state has submitted this to FEMA for disaster funding).
- m. 2-miles of roadside tree and brush removal
- n. 1.6 miles of gravel shoulder
- o. Snow plowing, roadside mowing, vehicle maintenance, shop repairs, responding to resident concerns, general daily duties, etc.
- p. Revised the Winter Operations Guideline for the 2019-2020 plowing season.

## **DPW WATER/WASTEWATER DIVISION**

1. Work Completed
  - a. Upgraded Westford Road High Service Water System
  - b. Upgraded Steeplechase Lane High Service Water System
  - c. Completed the Lake Road Water Main Replacement Project
  - d. Cleaned Sludge Holding Tank No. 1 and replaced all aeration membranes
  - e. Cleaned WW effluent chambers
  - f. Cleaned septage receiving tank and added aerators for improved efficiency of treatment
  - g. Cleaned ALL pump stations
  - h. Upgraded Maplewood WW lift station control panel
  - i. Worked on a comprehensive audit for W/WW billing with Finance and Town Manager's Office
  - j. Working on meter evaluations and repairs
  - k. Replaced approximately 60 water meters
  - l. Responding to customer concerns
  - m. Reviewing plans for new W/WW connections, and performing inspections of new meter installations
  - n. Investigated and repaired leaks
  - o. Assisted MHPs with issues and leaks
  - p. Assisted the Flanders Development with water issues
  - q. Constantly repairing and replacing meters
  - r. General maintenance on the W/WW systems
  - s. Responding to resident issues, including assisting an elderly resident in pumping water out of her basement.

## **DPW ADMINISTRATIVE DIVISION AND ENGINEERING**

1. Completed the following administrative tasks and follow ups:
  - a. 102 final meter readings.
  - b. 286 Highway Division Work Orders/Report-a-Concern
  - c. 46 Highway Access Permits
  - d. 254 Excess Weight Permits
  - e. 14 Water/Wastewater Allocations
  - f. 439 Water/Wastewater Work Orders/Report-a-Concern
  - g. 104 Meter Replacements

- h. Processed the following number of invoices
  - i. 818 for Highway Division
  - ii. 369 for Water/Wastewater Division
  - iii. 239 for Administrative Division and Engineering

2. Grants Applied for and Awarded

- a. Better Roads Grant – Beebe Hill Road South - \$25,670
- b. Better Roads Grant – Westford Road - \$8,336
- c. Lake Champlain Basin Program, Allen Brook (not awarded)
- d. Lake Champlain Basin Program, Highway Garage - \$5,000 for design
- e. Grants-in-Aid – Kingsbury Crossing – \$24,500
- f. Transportation Alternatives Grant – Munson Hill - \$300,000
  - i. Will find out in February 2020 if awarded the grant.
- g. VTrans Structures Grant – East Road Bridge No. 6 - \$175,000
- h. VTrans Class 2 Paving Grant – Everest Road - \$175,000
- i. Lake Road Water Main Replacement Project – 30% Subsidy, \$158,000

Total Awarded Grants and Subsidy - \$571,506

3. Projects Managed and Completed

- a. East Road Bridge Nos. 5 and 6 Replacements
- b. Lake Road Culvert Replacement Project
- c. Steeplechase Lane High Service Water System
- d. Westford Road High Service Water System
- e. Bartlett Road Reconstruction
- f. Lake Road Water Main Replacement Project
- g. Stormwater Management Plan, Approved by the Agency of Natural Resources
- h. Stormwater Master Plan, worked with CCRPC and FEA, and it is approved by the Agency of Natural Resources (used an Ecosystem Restoration Grant to help fund this work)
- i. Stormwater Murals painted on Center Drive and Main Street/Route 7 Intersection.
- j. 2019 Paving completed
  - i. Everest Road
  - ii. Bear Trap Road
  - iii. East Road
  - iv. North Road
  - v. Lake Road
  - vi. Quarry Lane
  - vii. Cooper road
  - viii. Hardscrabble, Murray Avenue, and Sawyer Avenue out to bid for spring 2020
  - ix. Plans prepared for FY2021 paving program
- k. Crack Sealing
- l. Replaced guardrails on Mars Hollow Road, McMullen Road, and repaired guardrails on Hardscrabble Road, and Haydenberry.

4. Projects Moving Forward

- a. Hourglass Project, Scheduled for 2021.
- b. Route 7 Gap Project, under construction.
- c. Route 7 Streetscape Project, awarded contract. Construction to start May 2020.
- d. East Road Bridge No. 5 Replacement. Punch list items to complete in spring 2020.
- e. East Road Bridge No. 6 Replacement. Punch list items to complete in spring 2020.
- f. Cherry Street Sidewalk Project. Getting ROW plans recorded, then will go through the NEPA process. Construction scheduled for 2020.
- g. Bear Trap Bridge expansion joint.
- h. DPW highway garage working group.
- i. Public Works Specifications.
- j. Milton Health & Safety Plan.
- k. Railroad Street Water Main Replacement and New Pressure Sustaining Valve. The Preliminary Engineering Report has been completed and approved by the Agency of Natural Resources. Holding off on final design for now.
- l. River Street Pressure Sustaining Valve Replacement Project. PER approved, and currently in final design.
- m. Flanders Water Main Replacement and Wastewater Evaluation Project. Finalizing PER.
- n. High Risk Rural Road VTrans Project. VTrans will be replacing signs on West Milton Road, Bear Trap Road, Herrick Avenue, and Bradley Street. This is 100% a VTrans project. Scheduled for construction in 2020.
- o. Southern Gateway. Awaiting traffic signal equipment and installation, late January or February 2020.

5. Upcoming Projects and Continuing Work for all DPW

- a. Munson Hill slope, stormwater and road repair. Still looking for funding.
- b. Rollin Irish Road culvert replacement. Potential FEMA funding.
- c. Mars Hollow Road permanent repair. Potential FEMA funding.
- d. Duffy Road culvert replacement.
- e. Eagle Mountain Harbor Road stormwater issues. Applied for two Better Roads Grants to assist in funding this work.
- f. Beebe Hill and Westford Road stormwater improvements (Better Roads Grant Projects) to be completed prior to June 30, 2020.
- g. Paving plan, including crack sealing and other pavement treatments.
- h. Guardrails. Need to continue to repair/replace failed guardrails.
- i. Culverts, stormwater infrastructure, and ditching. Continuing this work as part of the MS4 permit, with annual reporting.
- j. Prepare Phosphorous Control Plan as part of our MS4 Permit. We will be submitting a grant application to the Chittenden County Regional Planning Commission to get the project into their Unified Program Work Plan for assistance with this project.
- k. Evaluate Allen Brook, as it is nearing impaired status on ANR's list of impaired waters. Contaminants include chloride (salt application), iron (natural sources, industrial sources,

- corrosion of iron containing metals), and conductivity (conductivity is a measure of the water’s capability to pass electrical flow, which is a direct measure of the number of ions in the water, from alkalis, chlorides, sulfides, and carbonate compounds).
- l. Continuing with Highway Access Permits and Excess Weight Permits
  - m. WWTF septage acceptance standard operating procedure.
  - n. Water Plant roof, soffits, siding and other repairs.
  - o. Updating Town infrastructure in GIS format: W/WW, storm drains, culverts, bridges, roads, outlets/discharges, signs, etc.
  - p. MS4 Permit.
    - i. Annual report due April 1, 2020.
    - ii. Phosphorous Control Plan.
    - iii. Allen Brook.

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