



# Ludlow, Vermont

*A Better Place To Live, Work & Play*

April 12, 2019

## **Request for Qualifications and Bid Design/Build Commonwealth Ave Infrastructure Project**

The Town and Village of Ludlow is soliciting firm, fixed price bids for the Commonwealth Avenue Infrastructure Project. This Project involves replacing sewer lines, replacing water lines, installing storm drains, and repaving.

The Scope of Services includes but is not limited to the following:

- Replace 590' of existing sewer main with 8" SDR 35, including service lines
- Add two manholes and maintain line & grade (max 300" ft apart),
- Replace manholes as described in Attachment A,
- Replace 625' of old cast iron water main with 8" ductile iron,
- Provide insulation and new connections to existing customers and provide temp water,
- Raise existing fire hydrant and add new fire hydrant,
- Test pressure, disinfect and test for coliform bacteria
- Create storm drain system on east side of Commonwealth, approx. 570',
- Install 3 new catch basins,
- Remove 625' of asphalt road, including approx. 30' section of Main St,
- Remove and replace 24" of road base with 1.5" max. crushed gravel,
- Regrade entire width of Commonwealth Avenue,
- Replace asphalt with 2.5" base layer and 1.5 finish layer,
- Properly restore all disturbed areas
- Complete all items as listed on Attachment A and shown on Sewer Improvement Design Map.

All construction shall be performed in accordance with VTrans' 2018 Standard Specifications for Construction and all applicable OSHA (VOSHA) and environmental regulations.

### Contract Period

All work must be completed by September 15, 2019. Liquidated damages in the amount of \$500.00 per day will be assessed for each day beyond the required completion date and those damages shall be deducted from the monies due the contractor for the performance of the project.

Pre-Bid Meeting A Pre-Bid meeting will be held at the site on Friday May 10, 2019 at 10:00 AM. Attendance is not required but highly recommended. (Other arrangements to visit the site can be made by contacting Ron Tarbell, Highway Foreman).

Commonwealth RFP – Due 5/17/19

*"A Better Place to Live, Work & Play"*

### Payment Schedule

A payment schedule agreeable to both parties will be arranged with the successful bidder as part of the contract agreement.

### Submission

All submissions should be clearly marked "Commonwealth Ave Infrastructure Project" and delivered to the Ludlow Town Office located at 37 Depot Street, P.O. Box 359, Ludlow, VT 05149 no later than May 17, 2019 at 10:00 A.M., at which time they shall be publicly opened and read aloud.

### Submissions shall include:

- Lump Sum cost proposal.
- Bid Security in the form of a bid bond or certified treasurers or cashier's check in the amount of ten percent (10%) of the total bid price.
- A list of similar projects recently completed along with references.
- A preliminary schedule including the start date and documenting the anticipated road closure period.

**The Town and Village of Ludlow reserves the right to reject any and all bids.** This solicitation does not obligate the Town or Village to award a contract.

The successful bidder shall furnish a valid Certificate of Insurance naming the Town & Village of Ludlow as additional insured, in the amount of the total project cost, as well as 100% performance and payment bonds.

For additional information contact Scott Murphy, Municipal Manger at (802) 228-2841 or Highway Foreman Ron Tarbell at (802) 770-9566.

# Attachment 4

## Village of Ludlow

### Commonwealth Ave. sewer line replacement

Replace approx.. 590' of existing sewer main with 8" SDR 35 including service lines to edge of R.O.W.

Starting at MH.( Mai81) and ending at MH.( Com13).

Add two manholes (com3 and com7) to maintain line and grade. Max. 300' apart.

Manholes to be 4' diameter pre-cast concrete with 24" iron frames and covers to finish 2" below pavement.

Replace M.H. (com13) in kind and re-attach services.

Pass under 3' x 5' stream culvert.

Backfill NOT to create a conduit for groundwater.

Compact backfill in 1' lifts. (trenches)

Verify depth of existing house services and sewer main before siting manholes.

Install caution tape at 1' below finish grade. (buried sewer below) Traceable preferred.

Possible ledge at northern end of project.

Village of Ludlow  
Commonwealth Ave. Water main replacement

Replace Approx. 625' of old cast iron water main with 8" ductile iron. 5' min. depth.

Connect to existing 8" interconnect (or) 8" water main at Main St. and provide 8" gate valve (open left) with service box.

Orient new main to maintain 10' of separation to sewer main on Commonwealth Ave.

Encase Main St. sewer line with concrete where the new water main crosses.

Provide temp. water service for all affected customers on Commonwealth Ave.

Install new ¾" K copper building services to and including new curb stops, with new service boxes. Reconnect customers water line. Min. of 2" rigid insulation, between, wherever service runs under storm drain, extending 4' each side.

Raise existing fire hydrant 12"

Discontinue 4" blow-off at end of existing main.

Add new 6" fire hydrant with valve at end of new main, corner of lot 15.

Trench backfill NOT to create a conduit for groundwater.

Min. 6" under and 1' above all pipes to be sand fill.

Compact backfill in 1' lifts in trenches.

Pass under 3' x 5' stream drain with clearance for (2) 2" rigid foam insulation extending 4' each side.

All pipe and fittings to be AWWA standard with American made iron. Pressure tested @ 1.5 x working pressure (150 #) for 24 hours.

All mains will be disinfected and tested for coliform bacteria before being put into service.

Install caution tape at 1' below surface. (water main below)

May need exploratory dig at main St. connection.

Possible ledge at northern end of project.

Village of Ludlow

Commonwealth Ave. storm drain

Create storm drain system on eastern side of Commonwealth Ave. with a paved swale surface, approx.. 570' to terminate at drop inlet- Commonwealth Ave.

Add (3) new catch basins in proximity to new sewer manholes, ( com3-com7-com13 ) or to north of nearest driveway cut.

Catch basins to be 4' dia. Precast concrete with 1' ( +/-) debris sump and 24" storm drain grates.

Drain pipes will be 12" SDR35 maintaining line and grade.

Install a min. of 4" rigid foam insulation below drain and 4' beyond at all water line service crossings.

Compact trench backfill in 1' lifts. Backfill NOT to create a conduit for groundwater.

Village of Ludlow

Commonwealth Ave. Highway

Remove approx.. 625' of asphalt road surface and discard at Ludlow highway pit, to include an approx.. 30' wide section of Main St.

Remove and replace 24" of road base with 1.5" max. crushed gravel.

Regrade entire width of commonwealth Ave. to shed water to swale and drains on eastern side of street.

Replace asphalt with 2.5" base layer and 1.5" finish layer.

Village of Ludlow

Commonwealth Ave. general

Water, sewer, storm and highway work should be done in concert to minimize job time frame to the best extent possible.

Disruptions to residents quality of life should be held to a minimum.

Traffic control (when required) will be done by trained and certified flaggers. Complete sign packages will be required and maintained throughout the project.

Must maintain a minimum of one lane of traffic during non-work hours for emergency response, otherwise Commonwealth Ave. can be closed to traffic during work hours, with proper signage.

Work in Main St. should be done as a whole and temporary pavement shall be provided there until final paving of Commonwealth Ave. is done.

A Dig-safe ticket will be obtained and maintained through the project.

All areas of private property that are disturbed shall be returned to their original state.

Open lines of communication between the contractor and Town and Village personnel (water / sewer / highway) will be maintained.