



Town of Bristol
1 South Street
P.O. Box 249
Bristol, VT 05443
(802) 453-2410
town@bristolvt.org
www.bristolvt.org

INVITATION TO BID FOR 2019 SIDEWALK RECONSTRUCTION

The Town of Bristol is requesting bids for the replacement of approximately 630 linear feet of sidewalk in two locations. The sidewalk sections are currently four feet (4') wide and many are heaved by tree roots, are deteriorated, and/or have depressions, which create trip hazards, pool water, and interfere with winter maintenance operations. The replaced sidewalks should be five feet (5') wide wherever possible.

I. SCOPE OF WORK

1. Replacement of existing sidewalks in the following locations:
 - Mountain Street between Garfield and Spring Streets (approx. 531 feet);
 - East end of Park Place (approx. 100 feet).
2. Bids should be submitted per linear foot for a five-foot wide sidewalk. Price should be inclusive of demolition, disposal, subgrade preparation, materials, and other factors.
3. Areas of sidewalk with depressions are to be elevated to eliminate pooling/ponding of water.
4. Areas of property owners' yards and roadside green strips that meet the edge of the new sidewalk are to be graded to ensure smooth transitions and of sufficient material and compaction to ensure vegetation regrowth and minimize settling.
5. The Town will be responsible for removing the conflict trees and/or roots prior to the start of the project.
6. The bid should reflect work to be completed this year. Provide a schedule for when the project can be expected to begin and the estimated length of time to complete.

ANTICIPATED PROJECT SCHEDULE

Request for Bids issued
Bids due
Selectboard awards contract

July 3, 2019
July 26, 2019
August 5, 2019

II. RESPONSIBILITIES

1. The Contractor shall:
 - a) Remove and properly dispose of existing sections of sidewalk.
 - b) Prepare and compact base material.
 - c) Provide all forms, materials, tools, supplies and labor needed for the job.
 - d) Provide, pour, and finish concrete and warranty the concrete against any defects for one year from the date of completion and acceptance by the Town.
 - e) Provide all necessary traffic control appropriate to the situation, pedestrian or otherwise, while complying with MUTCD standards.
 - f) Make arrangements with homeowners for parking and/or access when working across their driveways.
 - g) Protect the newly poured concrete from vandalism.
 - h) Be cautious of survey pegs and if disturbed it is the Contractor's sole responsibility to work with the land owner or surveyor to replace the pin.
 - i) Keep the site and adjacent areas free from accumulation of waste materials caused by the operation and must keep tools, equipment, machinery, etc. suitably stored when not in use.
2. The Town shall:
 - a) Contact abutting property owners about the scope of the project and provide contact information to the Contractor. Residents will be urged to contact the Town or Contractor to discuss any concerns.
 - b) Coordinate with the Tree Warden and the Public Works Department regarding the removal of trees and/or roots or other vegetation that impact and/or are impacted by the sidewalk replacement.
 - c) Make payment to the Contractor in a timely manner after invoices are submitted. Invoices are paid by the Town every two weeks following approval of warrants at Selectboard meetings.

III. SPECIFICATIONS

1. All old concrete sidewalk, dirt, asphalt and roots in the project area shall be removed. A minimum of six inches (6") of crushed gravel, $\frac{3}{4}$ " to 1 $\frac{1}{2}$ ", shall be placed for base for replacement sidewalk sections. New sidewalk sections will be excavated a minimum of 12 – 24 inches (depth to be determined in consultation with the Public Works Foreman during excavation), and refilled with crushed gravel base material, $\frac{3}{4}$ " to 1 $\frac{1}{2}$ ". Crushed gravel for base material will be available to the contractor from the Town's gravel supplies. The Contractor will compact the base materials in 3-inch lifts to 90% compaction. The finished sidewalk height shall be 2" above lawn grade and blended into existing sidewalks at starting and finishing point, to avoid creating a tripping hazard.

2. There may be some places where the width or alignment of the sidewalk may need to be varied due to proximity of large trees or other immovable features, such as fire hydrants or utility poles. Details of width and lines in these locations shall be worked out with the Public Works Foreman and/or the Tree Warden in advance of setting forms.
3. All forms to be metal.
4. Finished surface of sidewalk to pitch one quarter inch ($\frac{1}{4}$ ") per foot toward the street to assure good drainage.
5. Concrete shall be rated for a minimum of 4,000 lbs. Contractor shall use a Class B mix using clean aggregates only.
6. Sidewalk widths shall be five feet per section, except as adjusted per III.2, above.
7. Minimum thickness of concrete shall be four inches (4").
8. Minimum thickness of concrete at all driveway crossings shall be increased to six inches (6").
9. Sidewalk shall be creased every five feet (60") and edged continuously.
10. Surface of sidewalk to be hand worked and shall be "broom" finished by hand (not by machine). The length of pours must be no greater than the ability of the crew to adequately finish them without having to add water, as adding water to the surface can create a thin layer that may eventually scale.
11. The concrete should be air entrenched at least 6%. The more air the more room for aggregates to expand during freezing.
12. The concrete shall be sealed once it has had a chance to fully cure, with a product approved by the Town.
13. After forms are removed, all lawn areas are to be top soiled, seeded, and mulched. Driveways and private walkways are to be returned to previous condition with appropriate material to match existing materials and blended neatly with the new sidewalk.
14. Areas of property owners' yards and roadside green strips that meet the edge of the new sidewalk are to be graded to ensure smooth transitions and of sufficient material and compaction to ensure vegetation regrowth and minimize settling.
15. Truncated domes should be installed at intersections.

16. See the attached Illustrative Photos for more information.

GENERAL REQUIREMENTS

1. The Contractor will be required to provide the Town with a proof of general liability insurance of a \$1,000,000 per each occurrence, with the Town listed as additional insured, a W-9, and worker's comp if applicable.
2. The Contractor shall meet with the Public Works Foreman for a pre-construction meeting prior to commencement of the project.
3. Any disputes as to quality of workmanship and specifications shall be governed by the Vermont Agency of Transportation's General Specifications (Section 03301) Curb and Sidewalk.
4. The Town reserves the right to test any materials to assure they meet specifications.
5. The Contractor shall provide a one year warranty on all workmanship, including durability of installed materials, adequacy of grades to improve or ensure proper drainage, and sufficiency of grading and seeding.
6. The Contractor shall be responsible for making him/herself familiar with site conditions prior to submitting the bid, and no allowances shall be made in the contract for having failed to do so.
7. The Town, by its Selectboard, reserves the right to reject any or all bids and to accept any bid deemed by it to be in the best interests of the Town of Bristol.
8. The contractor agrees to indemnify, defend, and hold harmless the Town of Bristol and its officers and staff from all costs, claims, damages, liabilities, settlements and judgments that arise out of any breach of contract, negligence or wrongful act or omission of the contractor, or failure of the contractor to comply with state or federal law.
9. This contract may be terminated by either party with five days written notice without cause. If the contracted work is not complete, the Town will pay the Contractor only for the portion of completed work.
10. The Contractor is required to contact Dig Safe and any non-participating utilities, including the Town of Bristol Water Department.

Questions? Contact Public Works Foreman Eric Cota at (802) 453-4707 or bristolhighway@gmavt.net or Administrative Assistant Sharon Lucia at (802) 453-2410 or town@bristolvt.org.

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Sealed bids will be accepted **until 1:00pm, Friday, July 26, 2019** by e-mail to town@bristolvt.org with “Sidewalk Bid” in the subject line or by mail or hand delivery with “Sidewalk Bid” on the envelope to:

Town of Bristol
1 South Street
P.O. Box 249
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Figure 1. Mountain Street at Garfield Street.



Figure 2. Mountain Street, facing north.

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Figure 3. Mountain Street. Sidewalk will need to be elevated to eliminate ponding.



Figure 4. Mountain Street, facing north.

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Figure 5. Mountain Street, facing north.



Figure 6. Mountain Street, facing north.

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Figure 7. Mountain Street at Spring Street, facing south. **Truncated dome?** **Figure 8.** Park Place at North Street, facing west.

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Figure 9. Park Place, looking west.



Figure 10. Park Place, looking west.