

TOWN OF BROOKFIELD, VT  
Eagle Peak Road Culvert Replacements  
REQUEST FOR PROPOSALS

June 10, 2024

The Town of Brookfield is herein requesting proposals to up size two existing culverts on Eagle peak Road. During the July 2023 storm, Eagle Peak Road sustained significant damage due to the inadequate size of these culverts. The purpose of this work is, in working with FEMA, to replace these two culverts with adequately sized culverts, to meet current "Codes and Standards".

Background

In 2023, the Norwich University Engineering Department completed a Hydraulic/Hydraulics study of the existing culvert crossings on Eagle Peak Road in Brookfield. The existing 18 and 20-inch diameter HDPE pipes were found not to meet the current standards of the VTrans Hydraulic Manual or state stream equilibrium standards for bankfull width. The Study went on further to recommend the up sizing/replacements to these current pipes.

The existing culverts are approximately 60-feet apart. It is likely that these pipes site on or near ledge. Therefore, to accommodate the new larger diameter pipes, the road surface elevation must be raising with gravel surfacing material (6 to 8-inches of "plant mix" over 4 to 6-inches of 1.5-inch crushed stone), approximately 1-foot for about 250-feet to provide adequate cover over the new pipes and to provide a smooth transition into the existing road profile. The Town will assist the Contractor in the road resurfacing effort by providing the Town Grader and Operator to grade the new surface material.

The replacement culverts will be 36-inch dilater, HDPE, corrugated exterior and smooth interior with concrete headwalls. The Norwich plan call for winged head walls at the inlets. The Town believes "L" shaped concrete headwalls at the inlets will better serve the condition and thus select this change. The swale around and between the two culverts shall be lined with Type III stone as shown on the plan along with a 1-yard stone splash pad at the outlets.

The Contractor shall take care in the removal of the two existing culverts and turn them over to the Town for reuse.

Proposal

1. Proposals shall be received in the Brookfield Town Office, 40 Ralph Road, PO Box 463, Brookfield, VT 05036, on or before the close of business (4:00 p.m.) July 9, 2024, in a sealed envelope clearly marked "Eagle Peak Road Culvert Replacements" on the outside of the envelope.
2. Questions may be submitted by email to the Town Administrative Assistant provided they are received no later than 3:00 p.m. on June 27, 2024 by the Administrative Assistant/Brookfield Town Office. The Administrative Assistant email address is [admin@brookfield.org](mailto:admin@brookfield.org). To receive a copy of any Addenda, the Contractor must provide the name of the project along with the Contractor's contact information to the Town's Administrative Assistant on or before this deadline above. Contractors are encouraged to check with the Administrative Assistant a week before the Proposals are due to be sure they have obtained any and all Addenda. The Town is not responsible for failure on the part of a Contractor to receive any and all Addenda or for accounts for such within the Bid.
3. The estimated cost shall include all Labor, Materials, Equipment, and appurtenances necessary to fully complete the work required along with the Contractors assumptions.
4. The Contractor, if awarded the contract, shall provide proof of insurance which covers both the workers and work being performed under this contract, including Commercial Liability, Business Auto Liability, and Workmen's Comp,
5. The Contractor is solely responsible for all work performed under this contract and shall assume full liability for any impacts resulting from the work including on the receiving Water and adjacent properties.

6. The Town reserves the right to reject, or negotiate terms regarding any or all proposal(s). Selection will be made on which proposal the Town deems best serves the interests of the Town.
7. All work on this contract shall be coordinated with the Town and be completed no later than September 30, 2024.
8. Contractor shall include a proposed traffic control plan and project schedule with their proposals.
9. Waste soil materials are the property of the Contractor and shall be disposed of in a legal manner.
10. Damage to the roadway or adjacent properties as a result of the Contractor's work shall be repaired to pre-project conditions to the satisfaction of the Town. The Town and the Contractor shall Photograph of the construction site prior to commencement of the work to document existing conditions. Note, Eagle Peak Road has a Three Rod Right-of-Way. No work outside the Town Right-of-Way is anticipated to be required. Should the Contractor wish to enter or do work on or from the adjacent properties, the Contractor must first obtain written permission form the Land Owner and a copy of such provided to the Town.
11. Materials, performance of the work, and requirements (not including bases for payment) shall comply with the Vermont Agency of Transportation Standard Specifications for Construction and the VT AOT Hydraulic Manual and are considered a part of the Contract Documents.
12. Permits – The Town has been in contact with ANR, DEC, River Management section regarding the replacement of these two culverts. DEC has determined that these are not subject to their jurisdiction and thus no permits are required. However, this does not release the Contractor of the responsibility to protect and maintain water quality and control erosion during all phases of construction.
13. A preconstruction meeting shall be arranged by the Contractor at the project site. At a minimum, the meeting shall include the Contractor's project Forman and the Town Road Foreman.
14. Work shall be completed during the low flow period of July 1 and September 30, 2024 unless otherwise permitted or restricted by the Permits.
15. The Norwich University study along with the headwall detail are considered a part of the Contract. Copies are attached.

Town of Brookfield, VT

Eagle Peak Road Culvert Replacements

**BID FORM**

Contractor \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

Phone Number \_\_\_\_\_ email \_\_\_\_\_

Proposed prices shall be presented in both written and numerical format.

**BASE ESTIMATE**

1. The furnishing of all Labor, Materials and Equipment to remove the existing culverts and install two new 36-inch HDPE culverts, concrete headwalls and appurtenances as specified and details herein, the proposed price of \_\_\_\_\_ dollars and \_\_\_\_\_ cents, \$\_\_\_\_\_.\_\_\_\_\_.
2. The furnishing of all Labor, Materials and Equipment to line the swale around and between the culvert inlets and one CY splash pad at the outlets with Type II Stone, the proposed price of \_\_\_\_\_ dollars and \_\_\_\_\_ cents, \$\_\_\_\_\_.\_\_\_\_\_.
3. The furnishing of all Labor, Materials and Equipment, with the exception of the Grader and Operator, to raise approximately 250-feet of the profile of the existing roadway by approximately 1-foot, the proposed price of \$ \_\_\_\_\_ dollars and \_\_\_\_\_ cents, \$\_\_\_\_\_.\_\_\_\_\_.

**UNIT COSTS**

- A. Type II Stone, the unit cost per square yard including all material, labor and equipment, trucking to prepare the surface and place Type II Stone to protect swale, disturbed channel banks and or roadway slopes, the unit cost per square yard of \_\_\_\_\_ dollars and \_\_\_\_\_ cents, \$\_\_\_\_\_.\_\_\_\_\_.
- B. Plant Mix gravel road surface material the unit cost per cubic yard including all material, labor and equipment to prepare the surface, truck and place the material to from the new road surface, not including grader work, the unit cost per cubic yard of \_\_\_\_\_ dollars and \_\_\_\_\_ cents, \$\_\_\_\_\_.\_\_\_\_\_.
- C. 1.5-inch crushed stone material the unit cost per cubic yard including all material, labor and equipment to truck and place the subbase material, not including grader work, to form the new road profile, , the unit cost per cubic yard of \_\_\_\_\_ dollars and \_\_\_\_\_ cents, \$\_\_\_\_\_.\_\_\_\_\_.

Submitted this \_\_\_\_\_ day of \_\_\_\_\_, 2024

Duly Authorized Agent of \_\_\_\_\_

Name \_\_\_\_\_

Signature \_\_\_\_\_