

MUNICIPAL OFFICES



Jeff Schulz, Town Manager
jschulz@northfield.vt.us

Phone 1-802-485-6121
Fax 1-802-485-8426

51 SOUTH MAIN STREET
NORTHFIELD, VERMONT 05663

Request for Bids Smith Hill Road Culvert Replacement Project

The Town of Northfield, VT (Northfield) seeks bids from qualified contractors to install a single arch culvert and headwalls with wing-walls over the Smith Hill Road Brook. The project involves the removal of an existing culvert and includes construction of a temporary Dam in the brook. Attached is a proposed scope of work.

Submittal

Proposals shall include the following:

1. Letter expressing interest in the project.
2. Project Schedule – a time line, and completion dates. All work must be completed by October 15, 2017.
3. Cost proposal – a full schedule of project costs, including material costs.

Questions and Submittal Dates

Questions regarding the work should be directed to the Town Manager at 802-485-6121 or at jschulz@northfield.vt.us.

All proposals must be received by the Town of Northfield no later than four PM on August 21, 2017. The Town reserves the right to reject all and any bids. Proposals shall be sent to the Town Manager, Town of Northfield, 51 South Main Street, Northfield, VT 05663, or email to jschulz@northfield.vt.us.

CONTRACTING PROVISIONS

All contractors, and any sub-contractors must carry adequate insurance coverage (not less than \$1,000,000-per occurrence). \$1,000,000 - General Aggregate Applying, in total, \$1,000,000 - Products/Completed Operations Aggregate, \$50,000 – Fire/Legal/Liability, and \$1,000,000 – Automotive Liability).

Town of Northfield, TH No. 51, Smith Hill Road over Brook

Proposed Scope of Work

1. Dig-Safe Project Area including where Detour Signs will be Installed
2. Erect Detour Signs, Notify Appropriate Entities, and Close Road to Thru Traffic
3. Mobilize and Erect Construction Signs and Barricades in Area of Project
4. Install All Necessary Safeguards to Provide Erosion Protection and Sediment Control
5. Using Precast Concrete Blocks and Timber Blocking, Construct 2 Sets of Cribbing on Upstream End
6. Excavate Across Smith Hill Road on the Westerly Side of the Culvert (Material to be saved if good)
7. Using Precast Concrete Blocks and Timber Blocking, Construct 2 Sets of Cribbing on Downstream End
8. Install New 36" HDPE Supported by and Anchored to Cribbing, and Setting On Excavated Area across Smith Hill Road
9. Set 6" Pump In Place About 50'+/- Upstream of Inlet End
10. Construct Temporary Dam in Brook Using Sand Bags and Polyethylene
11. Start Pump and Pump Brook Into and Thru 36" HDPE Culvert (pump to run 24/7)
12. Carefully Excavate Along Both Sides of Existing Culvert, Remove and Return to the Town
13. Lay Out, Form, Place Rebar and Pour New Reinforced Concrete Footings for the New Single Radius Arch
14. Strip Footings After Curing Period is up
15. Assemble New Single Radius Arch, Set in Place and Grout Around Legs of Arch in Keyway
16. Once Grout has set up, Backfill and Compact Area Around New Arch up to Subgrade
17. Place and Compact Subbase of Gravel to within 6" of Finished Grade
18. Construct New Reinforced Concrete Full Headwalls (w/Anchor Bolts); New Headwalls to Include Wingwalls on Each End
19. After Curing Period Expires, Strip and Backfill Around New Headwalls and Wingwalls; Apply Water Repellent to all Exposed Concrete .

Town of Northfield, TH No. 51, Smith Hill Road over Brook

Proposed Scope of Work (cont'd.)

20. Place Geotextile For Stone Fill, and Stone Fill, Type II Around and in Front of New Headwalls and Wingwalls and on Slope to 1' Above Top of New Arch
21. Remove Temporary Dam, Turn Water Back Into Original Channel and Stop Pumping Operations
22. Remove Temporary 36" Culvert and Backfill and Compact Excavated Portion of Smith Hill Road; Culvert to be Returned to Town
23. Retrieve Pump and Hoses, Precast Concrete Blocks and Timber Blocking (Precast blocks and Timber Blocking to be Delivered to Town)
24. Place and Compact 6" of Aggregate Surface Course and Grade Thru Construction Area
25. Install New Steel Beam Guard Rail, Radiuses and Anchors
26. Remove Detour Signs and Open Road to Traffic
27. Begin Cleanup Operations and Provide Turf Establishment on all Affected Areas
28. Remove Construction Signs, Barricades and Detour Signs and Open Road to Thru Traffic
29. Notify Entities that Road is Reopened and Demobilize