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# TOWN OF SHAFTSBURY

DATE: 04/02/2019

## Shaftsbury Highway Road Projects

The Town of Shaftsbury is requesting bid proposals for Shaftsbury Highway Road Projects. All work will be accomplished in accordance with the provisions set forth in this Request for Proposals (RFP), approved and accepted town standards, and all applicable Federal, State and local regulations.

Lump Sum proposals are being requested from three (3) or more contractors. Completed proposals will be considered as detailed within the project Special Provisions and work assignment selection made accordingly.

All questions related to this RFP shall be forwarded to Mike Yannotti DPW Foreman, by phone at 802-442-9838, in writing to the address above, by e-mail at [DPW@Shaftsburyvt.gov](mailto:DPW@Shaftsburyvt.gov)

**Shaftsbury Highway Road Projects  
BID PROPOSAL FORM**

PROJECT: \_\_\_\_\_

Proposal of \_\_\_\_\_

Name

\_\_\_\_\_  
Address

to furnish the necessary labor, equipment and material to perform all work in accordance with the plans, special provisions, and the description of construction as contained herein, for the Shaftsbury Highway Road Projects project on which proposals will be received **until 1:00 pm EST, April 15<sup>th</sup> 2019 at the office of Town of Shaftsbury. Bids will be opened at the Shaftsbury Select Board Meeting at 6:30PM April 15<sup>th</sup> 2019 at Cole Hall.** The time of opening bids may be postponed by Town of Shaftsbury due to emergencies or unforeseen conditions. This project is situated as follows:

**Project sites:**

- Cider Mill RD Section 22435
- Cold Spring RD Section 24486/24487
- Holy Smoke RD Section 113734
- Murphy Hill RD Section 137821
- West Mountain RD Section 193115
- Horton Hill RD Section 114340/114343

**CONSTRUCTION SPECIFICATIONS:**

**Cider Mill Rd Section 22435:** Install 2 stone mattresses each 8'x30' (Detail Drawing Provided)

**Cold Spring RD Section 24486/24487:** 1500' of ditching, berm removal, mulching and seeding.

**Holy Smoke RD Section 113734:** Removal and resetting culvert at correct lower elevations.

**Murphy Hill RD Section 137821:** 20 trees and brush removed from east side of site. 250' of stone lined ditch installed. 1 stone mattresses installed across Murphy Hill Rd above intersection of Sally Gannon Rd. (Detail Drawing Provided)

**West Mountain RD Section 193115:** Install 8'x30' stone mattress at low point of road. (Detail Drawing Provided)

**Horton Hill RD Section 114340/114343:** 1500' of excavated ditches and install stone lined ditch. Remove berm. Install new 60' of 18" HOPE Culvert pipe. (Location will be marked out)

**All Sites will be staked and flagged.**

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**NOTES:**

1. The completion date for this work shall be on or before **Friday June 21<sup>st</sup> 2019** for the complete and accepted work.
2. All communications will go through the Town Highway Foreman Mike Yannotti. Any question(s) posed during the bidding process will be distributed electronically to all bidders in a question - answer format.
3. There will be a pre bid meeting held at the **Town Garage at 9:30am April 11<sup>th</sup> 2019**. All site locations will be visited. **Attendance is mandatory.**
4. Contractor must complete work in accordance with specifications contained in Vermont's Better Backroads Manual.
5. Any damage caused by the Contractor's operations will be repaired by the Contractor at the Contractor's expense.
6. If multiple bids are submitted from any one contractor, the last bid submitted prior to the submitted by date and time will be considered the official bid. All previously submitted bids will not be opened and will be returned.
7. All item quantities are estimates and the Town of Shaftsbury does not guarantee estimated quantities will be used.
8. All Contractors performing work for the Town of Shaftsbury must provide a certificate of insurance for liability and workman's comp.
9. The Town of Shaftsbury reserves the right to reject any or all bids/proposals received, to negotiate with any qualified source, or to cancel in part or in its entirety this bid/proposal as in the best interest of the Town of Shaftsbury. This solicitation in no way obligates the Town of Shaftsbury to award a contract.

In order to be considered responsive to this RFP, each proposal shall conform to the following requirements. The contractor shall:

1. Submit by mail or hand deliver one (1) copies of the proposal in a sealed envelope to David Kiernan, Town Administrator, PO Box 409, 61 Buck Hill Road, Shaftsbury VT 05262. Bid documents must be received by 1PM April 15<sup>th</sup> 2019. Any bids received after that time will be returned unopened. Emailed bids **will not** be accepted.
2. Clearly indicate the following on the outside of the sealed envelope containing the proposal:
  - a. name and address of the prime contractor
  - b. bid due date and time
  - c. envelope contents (proposals)
  - d. project name

If any of the above requirements are not met, the proposal will not be considered.

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ATTENTION TO BIDDERS

This Proposal shall be filled in by the Bidder, with each Unit Price written IN WORDS AND IN FIGURES and the extensions properly made in figures.

ITEM NO.	DESCRIPTION OF ITEM	UNIT		ITEM BID PRICE
	The Lump Sum Contract Amount for construction of the project	Lump Sum		\$
A	Cider Mill RD Section 22435	LS		
B	Cold Spring RD Section 24486/24487	LS		
C	Holy Smoke RD Section 113734	LS		
D	Murphy Hill RD Section 137821	LS		
E	West Mountain RD Section 193115	LS		
F	Horton Hill Section 114340/114343	LS		
PROJECT BID FOR AWARD CONSIDERATION=				\$

## Sub-Surface Drainage

### French Mattress

A structure installed under a road, consisting of clean course rock wrapped in geotextile fabric through which water can pass freely, sometimes referred to as a rock sandwich. Useful in extremely wet areas, such as wetlands, to support roadbed while allowing unrestricted water movement. Further details on sub-surface drainage practices can be found in the US Department of Agriculture's Environmentally Sensitive Road Maintenance Practices for Dirt and Gravel Roads manual, a link is provided in the reference section on page 51.

- French mattress can be used in areas where concentrated outlet flow through a pipe is undesired, wetlands where installing cross drains would be impractical, and areas with a high water table.
- Use of a French mattress maintains dispersed flows and prevents gully erosion above or below the structure.
- A French mattress should NOT be used for concentrated overland flow, such as small stream channels or storm water from ditches.
- Install to match the slope of the land. In flat areas, a 1 to 2 percent slope should be used to aid drainage.
- Excavate material to desired depth and place geotextile fabric in trench, ensure there is enough fabric to wrap around the sides.
- Place porous stone on top of the fabric spread out in a uniform bed. Cover top of structure with fabric, be sure to overlap all joints by at least 12 inches.
- Compact at least 8 inches of fill over top of finished mattress.
- Requires no maintenance and has a long service life.

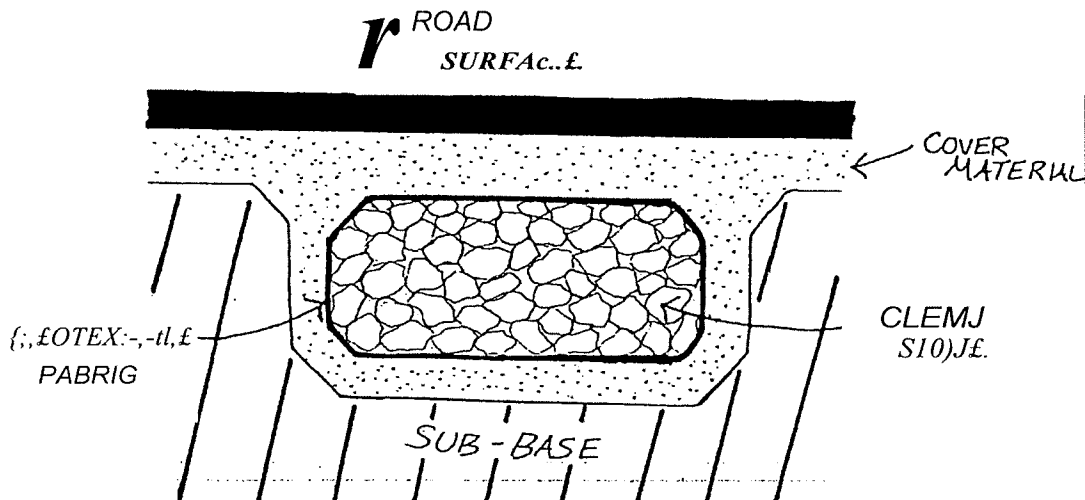


Figure 19: French Mattress



### Stone Lined Ditch

Ditches with a slope greater than 5% may need to be stone lined to provide adequate protection against erosion and to collect sediment from higher velocity stormwater runoff.

- It is recommended to use 12" minus stone, also referred to as Type 1 stone for ditch lining.
- Stone should be placed below the height of the shoulder so that grading and other maintenance operations don't negatively impact the stone lining.
- Recommended 2-foot minimum depth from stone in base of ditch, to road shoulder.
- Where ditches are installed adjacent to a steep back slope, stabilize the disturbed soil with methods detailed in the prior section, Temporary Erosion Prevention and Sediment Control.

**Municipal Roads General Permit Policy**

When a road slope is between 8% - 10% the stone-lined ditches shall use a minimum 6" - 8" minus stone or the equivalent for new practice construction. For ditches on a slope greater than 10% a minimum 6" - 8" minus stone is required but it is recommended to use 12" minus stone or the equivalent.

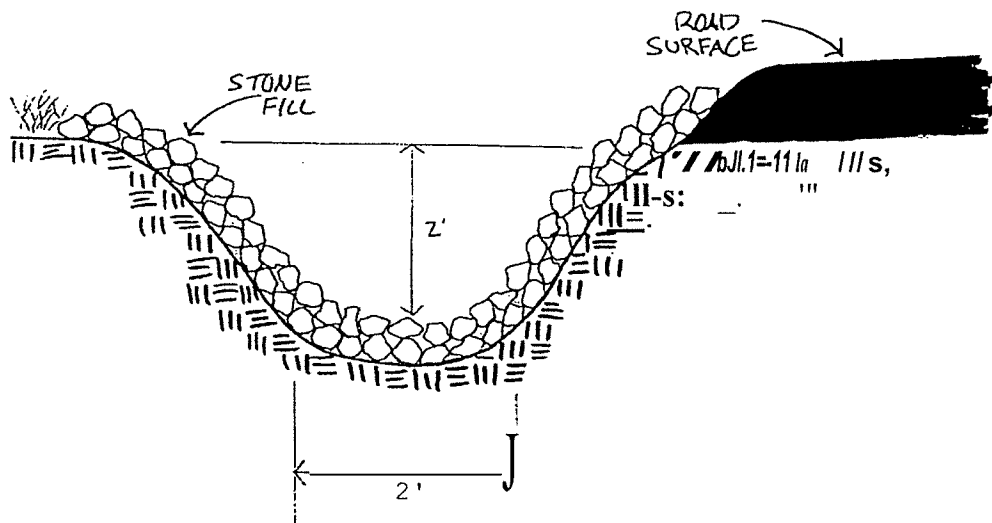


Figure 13: Stone lined ditch

### Ditch Cleaning & Maintenance

- Clean ditches when they become clogged with sediments or debris to prevent overflows and washouts.
- Check ditches after major storm events as they may have obstructions, erosion, or collapsed banks.
- Regrade ditches only when absolutely necessary and line with vegetation or stone as soon as possible.
- Preventing erosion from uphill or on backslopes can lengthen the time needed between ditch cleanings.

