



TOWN OF BARRE, VERMONT

DEPARTMENT OF ENGINEERING

149 Websterville Road

P.O. Box 116

Websterville, VT 05678-0116

Tel. Barre 479-2595

April 27, 2005

HOT AND COLD MIX PAVING CONTRACTS GENERAL INSTRUCTIONS AND SPECIFICATIONS

I. General Instructions

Background:

The Towns of Barre and Williamstown intend to issue the award of paving to the low bidder based on the combined totals for the Towns of Barre and Williamstown. Each town will issue separate contracts for Asphalt Paving and will be on a per ton basis. Bidders may bid different prices per ton for each paving contract and may bid on one, more than one or all of the work.

Each contract will be awarded independent of the other. All paving shall be coordinated with each Town. The Town of Barre cold mix bid will be based on a unit per square yard basis.

Barre Town - Contract 1 - Hot mix asphalt will be June 27 - July 15, 2005

Williamstown - Contract 1 - Hot mix asphalt will be June 13 - June 30, 2005

Barre Town - Contract 2 - Phase 1 - Hot mix asphalt will be August 22 - September 2, 2005

Williamstown - Contract 2 - Phase 1 - Hot mix asphalt will be August 22 - September 23, 2005

Barre Town - Contract 2 - Phase 2 - Hot mix asphalt will be September 6 - September 23, 2005

Barre Town - Contract 3 - Extra Work - Hot mix asphalt will begin August 29 - September 23, 2005

Barre Town - Cold mix paving asphalt will be July 27 - August 19, 2005

- Chip Seal Work will be August 31 - September 16, 2005

Instructions to Bidders:

Firms interested in any one of the contracts must submit a bid(s) on the attached Bid Forms. The Bid Forms must be filled out completely. Use ink or typewriter. If you make a change, the person signing the form must initial the change. A contractor may bid on any individual or all contracts.

Bids must be returned to the Barre Town Manager's Office, Municipal Building, P.O. Box 116, Websterville, VT 05678 by 11:00 A.M., Thursday, May 19, 2005, at which time the bids will be opened and read aloud in public. Bids must be in a sealed envelope clearly labeled "PAVEMENT BIDS". Do not fax your bid. Questions regarding these instructions and specifications must be directed to Town Engineer Harry Hinrichsen at 479-2595 for Barre Town or to Bernie Duff, the Town Manager of Williamstown. There will not be a pre-bid meeting. Potential bidders must familiarize themselves with conditions.

Award of Contract:

The Select Boards reserve the right to reject any or all bids or to waive any informality when they deem it to be in the best interest of each Town. Also, the Towns reserve the right to alter the list of streets that are paved. An award of contract, if one is made, will be announced at the next available Select Board meeting if possible. However, bids must be valid for thirty (30) days from date of opening.

Local Vendor Allowance:

The Barre Town and Williamstown Purchasing Policies have a local vendor allowance that will apply to its purchase. A local vendor is one located within a 20-mile radius of the Municipal Building. The local vendor allowance for this purchase will be 1%, except for Contract # 3 that will be 3%. The local vendor allowance is a percentage reduction, for comparison purposes, in a local vendor's bid. The Towns reserve the right to make all decisions and interpretations of its policy.

Location of Work:

The streets for these contracts are listed below. The attached maps show the location of each road. It is suggested the bidder acquaint themselves with the streets in both Towns before bidding.

Contract 1 -Barre Town - Bituminous Asphalt Paving -2" shim work:

Plainfield Brook Road - from Rte 14 (E. Montpelier Rd.) to the intersection at Camire Hill Road
Beckley Hill Road - Lemay Drive to Town/City Line
Buena Vista Road - entire length including Cul-de-sac from Beckley Hill Road
Highland Crofts - entire length including Cul-de-sac from Orchard Terrace
Wark Street - entire length from Hill Street to end

Contract 1 -Williamstown - Bituminous Asphalt Paving - 1 ½" - 3" paving work as noted:

Business Center Road - Two Sections

- A. Section 1 - 22' x 1450' - Fine grade and pave 3" in two lifts.
- B. Section 2 - 22' x 1050' - pave with 1 ½" of Type 3 mix in one lift

Chelsea Road - Two Sections

- A. Section 1 - 22' x 1585' - fine grade and pave 3" in two lifts
- B. Chelsea Rd @ South Hill Rd. intersection - pave apron at average width 30' x 100'
Fine grade and pave 2" Type 3 mix in one application

Spiderweb Road - 14' x 670' - from Rte 14 to end - 2" overlay Type 3 mix

Contract 2 - Barre Town - Bituminous Asphalt Paving - 3" pavement unless otherwise noted:

Phase 1 - Baptist Street - Graniteville Road to Williamstown Town Line
Camp Street - Northerly section 4200' from Sunset Road
Sterling Hill Road - Graniteville Road to End of pavement (easterly end)

Phase 2 East Cobble Hill Road - south of Sunnyside Dr. to old gravel pit entrance
Sunny Drive - East Cobble Hill Road to Taplin Road

Contract 2 - Bituminous Asphalt Paving for Williamstown - 4" pavement unless otherwise noted:

Graniteville Road - 22' x 11,088' from Cogswell/Robar Rd. to Gilbert Rd. intersection

Contract 3 - Barre Town - Bituminous Asphalt Paving -1-1/2" to 4" paving work:

EMS - Parking Lot off McLaughlin Road - 3" in two lifts
Central Repair Facility - 2 areas of Parking Lot off Pitman Road in the Wilson Industrial Park
One section @ 3", one section @ 4" both in two lifts
DPW Garage Facility - Yard Lot off Websterville Road - two sections
One section @ 2", one section @1-1/2" both in one lift

Cold Mix Paving for Barre Town- 4" pavement unless otherwise noted:

Cummings Road - 3700' gravel road (north of Windy Wood Rd to Plainfield Town Line)

Cold Mix Paving for Barre Town - single chip seal only unless otherwise noted:

Peloquin Road - entire length
Farwell Street - Town Line to Nichols Rd.
Allen Street - Town Line to #212 Allen St.

Parker Road - Pitman Rd. south to Cul-de-sac
Sunset Road - Camp Street to Windy Wood Road

Traffic Control:

The contractor must provide traffic control that complies with the most recent MUTCD. A certified Flag Safety Trainer must train all flaggers. The roadway shall be kept open to traffic at all times with traffic discontinued on the lane being resurfaced. Traffic may be permitted on the resurfaced section as soon as backrolling and compaction have been completed. The contractor shall provide traffic control on both ends of the work area. Paddles, radios, vests and signs are the responsibility of the contractor. If a subcontractor is to be used, they must be identified on the bid sheet. The contractor must provide notice to local police or sheriff's department on a daily basis.

Insurance:

The successful bidder(s) must supply the Towns with an insurance certificate indicating at least \$500,000 coverage in worker's compensation, automobile liability, and general liability prior to commencement of work. Bidders may be asked to supply a list of references for similar projects.

Units, Billing, and Payment:

The unit of measure for bidding and billing for these contracts shall be by the ton for Contracts 1, 2 & 3 and by the square yard for Cold Mix. For Contract 1, 2 & 3 actual payment shall be based on totaled weight slips from the hot mix plant. The Town of Barre will have a representative on site during all its work to ensure collection of weight and load slips as well as depth of pavement for both hot and cold mix. For Barre Town, any variance in the pavement dimensions will require remeasurement after placement of the mix.

The unit price bid shall cover all labor, equipment costs, materials, and traffic control. There will be no separate agreement, but each Town will issue a purchase order to the successful bidder(s). An invoice will be accepted after the work in each contract is completed. Payment will be made within thirty days.

Scheduling:

All the paving work is associated with the Towns' summer construction projects. Paving will be done after necessary sewer and drainage improvements are made. The contractor must coordinate paving work with the Highway Department and the Town Engineer at least 48 hours prior to initiating any schedule of work. Commencing work without prior notice will result in forfeiture of payment for that section of work.

Completion Deadline:

The windows to complete work assigned by the towns are:

Contract 1 - June 13 - July 15
Contract 2-1 - August 22 - September 2
Contract 2-2 - September 6 - September 23
Contract 3 - August 29- September 23
Cold Mix Paving - July 27- August 19
Chip Seal Paving - August 31- September 16

The Towns will institute a penalty of \$500/day for each day beyond the completion date stipulated for any given contract. The contractor may apply for delays caused by inclement weather or by the Town's not being ready. No extension requests will be honored after the dateline has passed.

Warranty:

The contractor shall warranty materials and workmanship for a period of one (1) year from the date of completion. Defects and associated repair shall be reviewed with the Towns prior to the remedial work. The contractor or its subcontractor shall complete all remedial work at no additional cost to the own.

Specifications:

All paving will be in accordance with the most recent revision of the Vermont Highway Standard Specifications for Highway & Bridge Construction, Section 406, and will include the following:

Hot mix asphalt

- For areas to be shimmed, Type IV - 3/8" will be used as a leveling course.
- Where 1-1/2" of new pavement is called for, 1-1/2" of Type IV hot mix will be used.
- Where 2" of new pavement is scheduled, a total of 2" of Type III hot mix will be used for shim and overlay.
- Where 3" of new pavement is scheduled, 1 3/4" of Type II - 3/4" hot mix topped with a 1 1/4" of Type III or IV hot mix will be used. All joints shall be offset.
- Where 4" of new pavement is scheduled, 2 1/2" of Type II, 3/4" hot mix topped with 1 1/2" of Type III or Type IV hot mix will be used. All joints to be offset.

Areas which have shim and overlays applied shall first be sprayed with a tack coat of bituminous emulsion at a rate of 0.3 to 0.5 gallons per square yard as called for in Section 404.06 of the Vermont AOT Standard Specifications for Construction.

Open Graded Cold Mix

The base shall be 2 1/2" of Type 2 and the top course of 1 1/4" Type 5 (1/2" Minus) shall be used unless otherwise approved by the Barre Town Engineer (see attached). A single chip seal 3/8" surface application shall be applied as a finish course over all Open Graded Cold Mix placement work. Crushed ledge from West Lebanon, NH shall be used unless otherwise approved by the Barre Town Engineer. The Contractor shall be responsible for sweeping the loose material from the roadway after the chip seal has been applied. This shall take place within 5 days of the application of the chip seal or once the stone has had a chance to setup.

Incidental Work:

Before paving, **all pavement centerlines and edge lines** for layout shall first be marked by the Contractor (using the centerline offsets if provided by the Towns). Edge lines shall be set at the specified width called for on the Bid Forms.

Intersection aprons shall be ground out to the depth of pavement called for on that section of road for all side roads. The apron shall be ground out a width of **no less than four (4) feet** perpendicular to the line of paver travel and **a minimum depth of two inches (2")**. All necessary radius work shall be included in these contracts.

Where overlays meet with existing pavement, "key-ways" **no less than four (4) feet** are to be ground out to a **minimum depth of two (2) inches**.

Gate boxes, catch basins, and manholes are to be shaped and matched into finish grade as best possible for the top (wearing) course of asphalt. Raking and handwork associated with this work shall be incidental. All manholes and catch basins shall be protected prior to paving. If structures have had adequate reveal provided and the contractor does not leave enough reveal for a second lift, the contractor shall be responsible for any grade ring or frame and cover adjustments. Driveway aprons are to be matched flush where possible or flared out and paved approximately two (2) feet beyond the edge of resurfaced travel lanes unless otherwise approved.

Contract work conducted without proper tack coat application will be so noted by the Town's

inspector/representative on site. The Towns will not pay for any work that proceeds without first getting the required application rate. These items shall be considered incidental to the work required for this contract and as such shall not be priced out separately but instead be included in the unit price of asphalt to be placed. Contractors are expected to begin the day with full tanks of water on each road project. Should it become necessary to refill the supply tank, the Contractor will be required to use a hydrant meter and load only with a representative of the Town present or get permission. The Town of Barre will not charge the Contractor for this requirement.

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Bid Form

April 27, 2005
TOWN OF BARRE
P. O. Box 116
Websterville, VT 05678

CONTRACT # 1 BID FORM - BITUMINOUS CONCRETE PAVING

The undersigned, having become familiar with the existing conditions on the highways to be resurfaced affecting the work and conditions as set forth in the Invitation To Bid, hereby proposes to furnish all supervision, technical personnel, labor, materials, machinery, tools, appurtenances, equipment, traffic control, and services required to perform the proposed paving work where indicated all for the unit price per ton for work in place for the following items and quantities:

Town of Barre

<u>Project</u>	<u>Length (ft.)</u>	<u>Width (ft.)</u>	<u>Depth (in.)</u>	<u>Est. Tons</u>
Plainfield Brook Road	2,975	24	2	910
Beckley Hill Road	3,460	24	2	1,055
Buena Vista Circle	600	22	2	168
Buena Vista Cul-de-sac	80	80	3	96
Highland Crofts	820	22	2	229
Wark Street	740	22	2	311

Sub-Total Est. Tons = 1,180

Town of Williamstown

<u>Project</u>	<u>Length (ft.)</u>	<u>Width (ft.)</u>	<u>Depth (in.)</u>	<u>Est. Tons</u>
Business Center Road	1,450	22	3	591
Business Center Road	1,450	22	1 ½	215
Spiderweb Road	670	14	2	120
Chelsea Road -So. Hill Intersection	100	30	2	40
Chelsea Road	1,585	22	3	646

Sub-Total Est. Tons = 1,612

TOTAL BID PRICE

BARRE & WILLIAMSTOWN BID PRICE PER TON: \$ _____ X 2,792 EST. TONS = \$ _____

Date: _____

Signature of Authorized Person

Telephone: _____

Company: _____

Address: _____

Traffic Control Subcontractor (if any)

Company: _____

Bid Form

April 27, 2005
TOWN OF BARRE
P. O. Box 116
Websterville, VT 05678

CONTRACT # 2 BID FORM - BITUMINOUS CONCRETE PAVING

The undersigned, having become familiar with the existing conditions on the highways to be resurfaced affecting the work and conditions as set forth in the Invitation To Bid, hereby proposes to furnish all supervision, technical personnel, labor, materials, machinery, tools, appurtenances, equipment, traffic control, and services required to perform the proposed paving work where indicated all for the unit price per ton for work in place for the following items and quantities:

Barre Town Streets

Phase 1

<u>Project</u>	<u>Length (ft.)</u>	<u>Width (ft.)</u>	<u>Depth (in.)</u>	<u>Est. Tons</u>
Baptist Street	1,250	24	2	380
Baptist Street	1,500	24	3	690
Camp Street	4,200	22	3	1,765
Sterling Hill Road	1,375	22	2	385
Sterling Hill Road	575	22	4	325
<u>Subtotal</u>				3,545

Phase 2

Sunnyside Drive	1,050	22	3	440
East Cobble Hill Road	1,425	22	3	600
<u>Subtotal</u>				1,040

Town of Williamstown

<u>Project</u>	<u>Length (ft.)</u>	<u>Width (ft.)</u>	<u>Depth (in.)</u>	<u>Est. Tons</u>
Graniteville Road	11,088	22	3	4,775
<u>Subtotal</u>				4,775

Total Est. Tons = **9,360**

TOTAL BID PRICE

Option A: **BOTH BARRE TOWN & WILLIAMSTOWN**

BID PRICE PER TON: \$ _____ X 9,360 EST. TONS = \$ _____

Option B: **BARRE TOWN ONLY**

BID PRICE PER TON: \$ _____ X 4,585 EST. TONS = \$ _____

Date: _____

Signature of Authorized Person

Telephone: _____ Company: _____

Address: _____

Traffic Control Subcontractor (if any)

Bid Form

April 27, 2005
TOWN OF BARRE
P. O. Box 116
Websterville, VT 05678

CONTRACT # 3 BID FORM

BITUMINOUS CONCRETE PAVING

The undersigned, having become familiar with the existing conditions on the highways to be resurfaced affecting the work and conditions as set forth in the Invitation To Bid, hereby proposes to furnish all supervision, technical personnel, labor, materials, machinery, tools, appurtenances, equipment, traffic control, and services required to perform the proposed paving work where indicated all for the unit price per square yard for work in place for the following items and quantities:

<u>Project</u>	<u>Length (ft.)</u>	<u>Width (ft.)</u>	<u>Depth (in.)</u>	<u>Est. Tons</u>
<u>Barre Town</u>				
EMS Parking Lot	110	70	3	145
Central Repair Facility				
North side of building - 65		40	3	50
Entrance Main bays - 110		40	4	110
DPW Garage				
Fuel Island N. of bldg.	(65 x 100) - (12 x 55)		2	72
Main Driveway	207	27	2	69
Entrance Apron	49.5 (Ave.)	28	2	17
<u>Subtotal</u>				158

Total Est. Tons = **463**

TOTAL BID PRICE

BARRE TOWN EXRTA PAVING

BID PRICE PER ton: \$ _____ X 463 EST. Ton = \$ _____

Date: _____

Signature of Authorized Person

Telephone: _____

Company: _____

Address: _____

Bid Form

April 27, 2005
TOWN OF BARRE
P. O. Box 116
Websterville, VT 05678

B I D F O R M

COLD MIX AND CHIP SEAL PAVING

The undersigned, having become familiar with the existing conditions on the highways to be resurfaced affecting the work and conditions as set forth in the Invitation To Bid, hereby proposes to furnish all supervision, technical personnel, labor, materials, machinery, tools, appurtenances, equipment, traffic control, and services required to perform the proposed paving work where indicated all for the unit price per square yard for work in place for the following items and quantities:

<u>Project</u>	<u>Length (ft.)</u>	<u>Width (ft.)</u>	<u>Depth (in.)</u>	<u>Est. Sq.Yds.</u>
<u>Barre Town Streets - Full Depth</u>				
Cummings Road	3,695	22	4	9,032
<u>Barre Town Streets - Chip Seal Only</u>				
Peloquin Road	1,775	24	3/8"	4,733
Farwell Street	2,415	22	3/8"	5,903
Sunset	3,100	22	3/8"	7,578
Parker Road	600	22	3/8"	1,467
Allen Street	1,350	22	3/8"	<u>3,300</u>
<u>Subtotal</u>				22,981

TOTAL BID PRICE

BARRE TOWN COLD MIX

BID PRICE PER S.Y: \$ _____ X 9,032 EST. Sq.Yds. = \$ _____

BARRE TOWN Chip Seal Only

BID PRICE PER S.Y: \$ _____ X 22,981 EST. Sq.Yds. = \$ _____

Date: _____

Signature of Authorized Person

Telephone: _____ Company: _____

Address: _____

Traffic Control Subcontractor (if any)

Company: _____

Sent to:

Pike Industries, Inc.

P.O. Box 42
Websterville, VT 05678

Phone: 802-476-3050
Fax: 802-476-5650

S.T. Paving, Inc.

PO Box 567
Waterbury, VT 05676

Phone: 802-244-7861
Fax: 802-244-1354

Green Mt. Paving Co.

PO Box 248
East Barre, VT 05649

Phone: 802-479-0600
Fax: 802-479-0600 (*)

Frank W. Whitcomb Corp.

PO Box 1000
Walpole, NH 03608

Phone: 1-800-238-7203
Fax: 1-603-445-5307

Gorman Brothers, Inc.

Attn: Steve Simpson
584 Hayes Rd.
East Burke, VT 05838
244-7861

Phone: 802-626-4413
Fax: 802-626-4453

All States Asphalt, Inc.

PO Box 91
Sunderland, MA 01375

Phone: 413-665-7021
Fax: 413-665-9027

Johnson Paving Co.

PO Box 234
Barre, VT 05641

Phone: 802-476-3518
Fax: 802-479-0660

R.G Paving

P.O. Box 371
Williamstown, Vt. 05679

Roger Gabree
Phone: 802-433-1665

Jerry Perantoni, Paving Inc.

P.O. Box 1240
Barre, VT 05641

Jerry Perantoni
Phone: 802-476-4879

WP: PAVING.BID