

DATE: November 8, 2019  
TO: All Qualified Bidders  
FROM: Jonathan Hoskins - Highway Foreman  
Town of Mount Washington,  
118 East Street, Mount Washington, MA 01258  
RE: Invitation for Bids  
East Street and West Street Paving FY2020

The Town of Mount Washington, ("Town") acting through its Highway Foreman invites sealed bids from contractors who are pre-qualified by the Massachusetts Department of Transportation (MassDOT) to prepare, level, and resurface of a section of East and West Street in the Town of Mount Washington. Specifications for this job are outlined on the attached Bid Proposal Form and must be strictly followed. No modifications will be allowed. All bid proposals must be made on the Bid Proposal Form and must be complete. Incomplete submissions will be deemed non-responsive and will be rejected. Only those contractors who have been pre-qualified by the Massachusetts Department of Transportation (MassDOT) and have a pre-approval form will be allowed to receive Bid Proposal Packages and bid on this project.

All bids must be accompanied by a bid deposit of five percent (5%) of the bid price in the form of a bid bond, cash, certified or cashier's check issued by a responsible bank or trust company, payable to the Town of Mount Washington. Bid bonds shall be with a surety company qualified to do business in the Commonwealth of Massachusetts and shall be satisfactory to the Town.

Completed Bid Proposal Forms must be received at the Office of the Board of Selectmen which is located at 118 East Street by November 27<sup>th</sup> 2019, at 12:00 PM. Bids will be publicly opened and read aloud at 12:10 PM.

Proposals must be sealed and clearly marked "**East Street and West Street Paving FY2020**". Bids received after the deadline will be returned, unopened. Corporate bidders must submit an executed Certificate of Vote (form attached to Bid Proposal Form) stating that the person signing the bid has the authority to bind the corporation. Bids may not be withdrawn within 30 consecutive days after the bid opening.

At the time of the opening of the bids, each bidder will be presumed to have read and be thoroughly familiar with the specifications for this project. The failure or omission of any bidder to examine any form, instrument or document shall in no way relieve any bidder from any obligation in respect to their bid.

Each bidder shall inform themselves of the conditions relating to the project and the employment of any labor thereon. Failure to do so will not relieve a successful bidder of their obligation to furnish all equipment, material, and labor necessary to carry out the provisions of the contract.

All bidders must submit with their bid a completed and signed Non-Collusion Certificate which is included in the Bid Proposal Form.

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The Town may make such investigations as it deems necessary to determine the ability of any bidder to perform the work, and the bidder shall furnish to the Town all such information and data for this purpose as it may request. The Town reserves the right to reject any bid if the evidence submitted by, or investigation of, such bidder fails to satisfy it that such bidder is properly qualified to carry out the obligations of the contract and to complete the work contemplated therein. Conditional bids will not be accepted.

A contract for the project in the same form as that enclosed in this package will be awarded within thirty days by the Board of Selectmen to the qualified, responsive bidder with the lowest total price for the project. The Town reserves the right to reject any and all bids. The bidder agrees that its bid shall be good and not withdrawn for a period of thirty (30) days, Saturdays, Sundays, and legal holidays exclude, after the date of opening the bids. Bidders are requested to commence the project as soon as possible in the spring of 2020 and should be completed by July 31, 2020. Once commenced, all work should be uninterrupted until completion.

This project is subject to Section 26-27G of Chapter 149 of the Massachusetts General Laws as amended, including, but not limited to, the following:

- Prevailing wage rates as determined by the Commissioner of Labor and Industries must be paid on this contract. A copy of said rates is contained herein. All reports and records required shall be maintained and/or submitted by each contractor and subcontractor.
- The successful bidder shall furnish to the Town a one hundred percent (100%) Construction Payment Bond with a surety company acceptable to the Town.

This project is being bid under of Chapter 90 of the Massachusetts General Laws and will be subject to the provisions of that statute.

Prior to the execution of a contract, the successful bidder shall furnish to the Town Certificates of Insurance which evidence the maintenance of the following insurance policies:

- General Liability

Bodily Injury Liability	:	\$ 1,000,000 per occurrence
Property Damage Liability	:	\$ 500,000 per occurrence
(or combined single limit)		\$ 1,000,000 per occurrence

- Automobile Liability

Bodily Injury Liability	:	\$ 1,000,000 per occurrence
Property Damage Liability	:	\$ 500,000 per occurrence
(or combined single limit)		\$ 1,000,000 per occurrence

- Workers Compensation Insurance

Coverage for all employees in accordance with Massachusetts General Laws.

All Certificates of Insurance shall include the Town of Mount Washington as an additional named insured and shall require a thirty-day notice of cancellation to the Town.

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Town of Mount Washington  
**Bid Proposal Form page 1**

Department : Highway Department

Project/Job : East Street and West Street Paving FY2020

Bids Due : November 27<sup>th</sup>, 2019, at 12:00 PM (opened at 12:10 PM)  
 Office of the Board of Selectmen  
 Town Hall, 118 East Street  
 Mount Washington, MA 01258

All requested information in this form must be provided. The Bid Proposal Form checklist on Page 6 must be completed and signed indicating you received and understand all requirements of this bid.

**Specifications:** Furnish all equipment, labor and materials necessary to carry out the project listed as specified in the Street Schedule listed below under the direction of the Highway Foreman.

Street Name	Length (ft)	Width (ft)	FDR Reclaim with Calcium sy)	Binder		Top		Tack Coat
				Inches	Tons	Inches	Tons	Gallons
East Street	5300	22	12,956	2.5	1800	1.5	1080	700
				Shim				
				Inches	Tons			
West Street	2696	17.5		0.5	139	1.5	450	300

\* Measurements are rounded off.

The above estimated quantities are approximate, and the Town shall have the right to increase or decrease these amounts depending on conditions. All work shall be carried out in accordance with the specifications as detailed in Exhibit A to this Bid Proposal Form and entitled **“East Street and West Street Paving FY2020”**.

**Bid Proposal Form page 2**

Having fully examined, read, and in understanding of the specifications for this job and being familiar with all of the conditions surrounding the proposed work, the undersigned proposes to carry out the street paving resurfacing project in accordance with the noted specifications at the unit prices as stated below:

<b>Item No.</b>	<b>Estimated Quantity</b>	<b>Item with Unit Bid Prices Written in Words &amp; Figures</b>	<b>Total Amt. of Item Dollars &amp; Cents</b>
1		For each SY of Full Depth Reclamation with Calcium, installed as specified herein, the sum of: 12,956 (\$ _____ ) per sy	\$ _____
2		For each ton of Modified Top Installed, as specified herein, the sum of: 1,530 (\$ _____ ) per ton	\$ _____
3		For each ton of Binder 1,800 (\$ _____ ) per ton	\$ _____
4		For each Gallon of Tack Coat 1,000 (\$ _____ ) per ton	\$ _____
5		For each ton of top Shim 139 (\$ _____ ) per ton	\$ _____

**TOTAL AMOUNT OF BID:**

\_\_\_\_\_ **Dollars**  
 (\$ \_\_\_\_\_ )

\_\_\_\_\_  
 Signature/Title Date

\_\_\_\_\_  
 Company/Firm Name Phone

\_\_\_\_\_  
 Street City/Town State ZIP

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**Bid Proposal Form page 3**

**CERTIFICATE OF NON-COLLUSION**

The undersigned certifies under penalties of perjury that this bid or proposal has been made and submitted in good faith and without collusion or fraud with any other person. As used in this certification, the word "person" shall mean any natural person, business, partnership, corporation, union, committee, club, or other organization, entity, or group of individuals.

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Signature/Title

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Company/Firm Name

**Bid Proposal Form page 4**

**CERTIFICATE OF VOTE**  
(Corporations Only)

At a duly authorized meeting of the Board of Directors of the

\_\_\_\_\_ held on \_\_\_\_\_  
Name of Corporation Date

it was VOTED, that

\_\_\_\_\_ Officer \_\_\_\_\_  
Name

of this company, be and hereby is authorized to execute contracts and bonds in the name and on behalf of said company, and affix its corporate seal hereto; and such execution of any contract or obligation in this company's name on its behalf by such officer under seal of the company, shall be valid and binding upon this company.

I hereby certify that I am the clerk of the above-named corporation and that \_\_\_\_\_ is the duly elected officer as above of said company, and that the above vote has not been amended or rescinded and remains in full force and effect as of the date of this contract.

\_\_\_\_\_ Clerk \_\_\_\_\_  
Date

Corporate  
Seal

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**Bid Proposal Form page 5**

**BID PROPOSAL FORM CHECKLIST**

Each of the below named items should be included in this bid package. Check off in the appropriate place below all items and sign indicating your receipt of each of the items. If any of these items are not in your package, you must obtain them and read them before submitting a proposal. If any of the below named items are not checked or if this form is not signed, your proposal will be rejected as non-responsive.

Job/Project: **East and West Street Paving FY2020**

\_\_\_\_\_ Invitation to Bid (2 pages)

\_\_\_\_\_ Bid Proposal Form (5 pages)

\_\_\_\_\_ Specifications for Full Depth Reclamation with Calcium Chloride  
(6 pages)

The undersigned certifies under penalties of perjury that he/she has received, read and understands all the above noted items which are an integral part of this bid proposal.

\_\_\_\_\_  
Signature/Title

\_\_\_\_\_  
Company/Firm Name

**SPECIFICATIONS FOR FULL DEPTH RECLAMATION  
WITH CALCIUM CHLORIDE**

**1.0 DEFINITIONS**

The term Highway Foreman shall mean the Highway Foreman of the Highway Department of the awarding authority.

The term Designee shall mean an employee of the awarding authority, designated by the Highway Foreman.

The term Contractor shall mean a professional company contracted by the awarding authority to perform work under this agreement.

**2.0 DESCRIPTION**

Work under this contract shall consist of the Contractor furnishing equipment and materials to pulverize the in-place asphalt pavement and underlying material, spray liquid calcium chloride on the pulverized mass, mix and/or blend the material, spread and compact the resultant mixture to the lines and grades shown on the plans or established by the Highway Foreman or his/her Designee, cap the finished base with an application of calcium chloride. Bid quantities are approximate only; payment shall be for actual square yards reclaimed.

**3.0 MATERIALS**

3.1 Liquid Calcium Chloride:

The calcium chloride solution shall be provided by the manufacturer as a true solution and shall not be reconstituted from flake calcium chloride. The calcium shall meet the following material specifications (see ASTM Designation D98; AASHTO-M144).

Calcium Chloride	35% +/- 1%
Alkali Chloride as NaCl	2% max.
Magnesium as MgCl	0.1%

**Typical (in lbs. per gallon)**

Calcium Chloride	5.050
Sodium Chloride	0.200
Magnesium Chloride	0.004
Calcium Sulfate	0.004
Water	6.002
	<b>11.26</b>

\*Magnesium Chloride may be substituted for Calcium Chloride.



3.2 Reclaimed Base:

All pulverized material shall pass the 76.2 mm, (3-inch), sieve. The processed sub-base shall meet the following gradation:

Sieve Size	% Passing
3" (76.2 mm)	98 – 100
1 ½" (38.1 mm)	70 – 100

\*Gradation may vary due to local aggregate conditions.

4.0 **EQUIPMENT**

The equipment used by the Contractor shall include, but not be limited to, one or more of the following:

4.1 Laboratory:

Contractor must maintain a working laboratory capable of sampling and testing reclaimed soils and must be open for inspection by the awarding agency.

4.2 Reclaimer:

Reclamation will be by means of a traveling rotary reclaimer or equivalent machine capable of cutting through existing asphalt at depths up to 12 inches with one pass. The machine shall be self-propelled and equipped with an adjustable grading blade thus leaving its path generally smooth for traffic. Equipment such as road planners or cold milling machines which are designed to mill or shred the existing bituminous concrete rather than to crush or fracture it, are not considered capable of achieving specification gradation. The required and necessary action of the reclaimer will increase the percentages of fine aggregate. This machine is not intended for use on sub-bases with large boulders or ledge. Existing bituminous concrete and gravel base must be pulverized and mixed so as to form a homogeneous mass of uniformly processed base material which will bond together when compacted.

4.3 Pressure Distributor:

The distributor for calcium shall be capable of applying liquid calcium chloride in accurately measured quantities at any rate between 0.1 to 2.0 gallons per square yard of roadway surface, at any length of spray bar up to 20 feet. The distributor shall be capable of maintaining a uniform rate of distribution of material regardless of change in grade, width or direction of the road. The distributor shall be equipped with a Digital Volumetric Accumulator capable of measuring liters applied and distance traveled. The volume and measuring device shall be equipped with a power unit for the pump so that application is by pressure, not gravity.

The spray nozzles and pressure system shall provide a sufficient and uniform fan-shaped spray of material throughout the entire length of the spray bar at all times while operating and shall be adjustable laterally and vertically. The spray shall completely cover the roadway surface receiving the treatment.

4.4 Grader:

A motor grader shall be used for shaping and finishing the surface of the reclaimed base, in accordance with the lines, grades and typical cross sections shown on the plans or established by the Highway Foreman of his/her Designee.

Rollers:

At least one (1) vibratory roller shall be used on each reclaimed surface and shall have a compacting width of not less than 5 feet. Each roller shall have a gross weight of not less than 12 tons.

**5.0 CONSTRUCTION PROCEDURES**

5.1 Streets to be Treated:

The Contractor and the Highway Foreman shall mutually determine the streets which shall receive reclamation. Measurements of streets to be reclaimed shall be made by the Contractor and the Highway Foreman of his/her Designee. The Contractor shall prepare a cost estimate for each street prior to beginning work. Lines and grades shall be furnished by the awarding authority to all bidders at the time of job negotiation.

5.2 Surface Preparation:

Surface preparation, which may include cleaning and grubbing; removal of visible cobbles; drainage; adjusting of street irons-valve covers, manhole covers, drop inlet gratings, catch basins; signs, mail boxes and guard rail resetting; etc., will be the responsibility of the awarding authority and will be completed before the contractor moves onto the job.

5.3 Pulverization Process:

The existing road pavement shall be pulverized and mixed with equal amounts of gravel base existing in the roadway foundation. The pulverization shall blend the asphalt and base material into a homogeneous mass, utilizing the asphalt acquired from the existing pavement as a stabilizer to bond material together when compacted. After the first pulverization, one (1) application of calcium chloride totaling 0.9 gallon per square yard, shall be applied. The aggregate mass shall then be pulverized again to ensure proper asphalt, gravel, and calcium chloride blending to the desired depth. Following base compaction, shaping and fine grading, then recompaction, a final capping of 0.1 gallons per square yard of calcium chloride shall be applied. Total calcium chloride application shall be one (1) gallon per square yard.

5.4 Grading:

Sub-grade changes may be necessary to meet proposed grade lines and cross sections. In areas where the proposed roadway grade to above the present grade, additional material will be provided by the awarding authority on the site, incorporated during regrading and compaction of the pulverized material, then brought to line and grade. Any excavation of sub-base material shall be placed in windrows or stockpiled so as not to impede the work of the Contractor, for later removal by municipal forces. After the material has been thoroughly worked by the reclaimer, the mass will be shaped and fine graded.

5.5 Rolling:

Initial rolling shall be done immediately following the second reclaimer pass, and again following fine grading.

5.6 Traffic Control:

Traffic control, including police details, warning lights, barricades, and warning signs, is the sole responsibility of the awarding authority. Unless otherwise specified, the roadway shall be kept open to traffic at all times, with traffic discontinued on the lane being reclaimed. Controlled traffic may be permitted as soon as the base has been rolled.

## 6.0 PERFORMANCE

The awarding authority will not award this contract unless the Contractor furnished satisfactory evidence of his/her ability and experience to perform this work, and that he/she has sufficient capital and equipment to enable him/her to prosecute the work successfully and to complete it within the time named in the contract. The Contractor shall not sublet any portion of this contract and will own all equipment used to complete such contract. As part of the bid, the Contractor must submit a list of six similar and successfully completed jobs, whose relevance to the proposed job shall be deemed by the awarding authority. The name, address, and telephone number of a contact person involved with each of these projects must be included so they can be investigated prior to the award of the contract. It will be the responsibility of each bidder to visit the job site with the Highway Foreman. The awarding authority can reject any bid of a contractor who has not visited the work site.

## 7.0 METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Payment for work under this agreement shall be made at the contract unit price per square yard times the number of square yard, measured by the Contractor and the Highway Foreman or his/her designee, of road surface reclaimed and surface treated. Prior to the bid, the awarding authority must elect to have the grading done by other or with its own machining and forces. Price per square yard shall be for complete in place quantities. Upon completion of work, and acceptance by the Highway Foreman, the Contractor shall submit a payment request to the Highway Foreman. Payment shall be net thirty (30) days.

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**BID FORM**

**BASE BID: FULL DEPTH RECLAMATION WITH CALCIUM CHLORIDE** applied to town prepared roadways in accordance with the attached specifications.

Price per Square Yard \$ \_\_\_\_\_

Bidder: \_\_\_\_\_ Phone: \_\_\_\_\_

Address: \_\_\_\_\_ Fax: \_\_\_\_\_

\_\_\_\_\_

Signature: \_\_\_\_\_

Printed Name & Title: \_\_\_\_\_

Date: \_\_\_\_\_

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**REFERENCE LIST FOR FULL DEPTH RECLAMATION  
WITH CALCIUM CHLORIDE**

Please list six similar projects that have been completed.

Owner:  
Address:  
City, State, Zip:  
Contact:  
Phone:  
Contract Amount:

Owner:  
Address:  
City, State, Zip:  
Contact:  
Phone:  
Contract Amount:

Owner:  
Address:  
City, State, Zip:  
Contact:  
Phone:  
Contract Amount:

Owner:  
Address:  
City, State, Zip:  
Contact:  
Phone:  
Contract Amount:

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City, State, Zip:  
Contact:  
Phone:  
Contract Amount:

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City, State, Zip:  
Contact:  
Phone:  
Contract Amount: