



CONTRACT DOCUMENTS
AND
SPECIFICATIONS
FOR
“BITUMINOUS CONCRETE PAVING”
2023 and 2024

INFORMATION FOR BIDDERS
February 2023

CITY OF BARRE, VERMONT

A. RECEIPT OF BIDS

The City of Barre, Vermont will receive bids until 12:00 PM (local time) on **Wednesday March 29, 2023** in the

City Manager's Office
City Hall Suite 2,
6 North Main St.
Barre, Vermont 05641

Shortly thereafter at 2:15 PM, bids will be publicly opened and read aloud in City Hall. Bids may be submitted electronically with email subject **PAVING BIDS City of Barre** to:

ExecAssist@barrecity.org

B. SCOPE OF THE WORK

The scope of work for this contract is paver placed materials at street OR sidewalk width. The work falls into three categories:

1. Pavement overlays up to 1.5 inches thick with sufficient shim to cause surface drainage OR
2. Finish grading gravel base subbase with placement of 2 lifts of hot mix or warm mix asphalt at the depth specified installed in accordance with the VT Agency of Transportation Standard Specifications for Highway Construction OR
3. A single lift sidewalk placement approximately 66 inches in width with a depth specific to the segments described.

This offering requires submission of an optional bid item including virgin asphalt wearing course hot or warm mix on all streets segment pavement. All bidders must comply with the General Conditions for this work.

The City of Barre may expand the list of projects to be completed during the timeframe of this contract. The selected Contractor will have the first opportunity to accept new work during this timeframe, but the City of Barre reserves the right to hire other contractors should the selected Contractor not be able or willing to take on additional work not listed in this bid.

1. Pavement Replacement

The street placement replacement work will consist of the Contractor applying a 2-lift course with total compacted thickness as specified (preferred layers at 1 ½ inch (or more) Type 3 Base course and 1 ¼-inch Type 4 surface course), unless otherwise specified of Bituminous concrete pavement over the streets listed below with a

projected fiscal year for fulfillment. All labor, equipment (satisfactory to accomplish the work) and materials (except unbound sub-base materials) needed for this application is to be provided by the Contractor. An optional use of calcium chloride as a compaction aid and subbase binding agent will be assessed by the City for completion in each assignment.

The streets in this section listed below will have the paved surfaces removed/scarified by the City and a suitable subbase material will be installed by the City to approximate grade. In all cases the successful contractor shall be responsible for shaping/grading and properly compacting each street to final grade. All streets will be capped by the Contractor with an application of liquid calcium chloride at a rate of 0.25 gallons per yard prior to paving, if the City elects to include chloride application. (Any needed crushed gravel/asphalt will be provided and hauled by the City of Barre.)

A project location for each street is further described as:

- a) Warren St beginning at the end of Plain St at Warren St from the lower Warren St to a line along the edge of Merchant St with a width of 28 feet and thickness of 2.75 inches (1 ½ -inch base and 1 ¼ inch top) and estimated length of 905 feet.
Completion by November 1, 2023.
- b) Merchant St beginning at the intersection of Wellington St to a point past the intersection of Warren St with a width of 34 feet and depth of 3 inches (1 ¾ inch base and 1 ¼ inch top) and estimated length of 1000 feet. **Completion by November 1, 2023.**
- c) Nelson St beginning at the curb line of Washington St continuing to the edge of pavement/curb line of Hill St with a width 30 feet, thickness of 2.75 inches and an estimated length of 765 feet. **Completion by November 1, 2024.**
- d) Newton St beginning at the edge of Farwell St and continuing to the end of Newton St with a width of 26 feet, thickness of 2.75 and estimated length of 630 feet.
Completion by November 1, 2024.
- e) Woodland Drive beginning at the southerly property of #57 and extending to the northwesterly property boundary of # 9 with a width of 28 feet, thickness of 2.75 inches and estimated length of 765 feet. **Completion by November 1, 2024.**

2. Pavement Overlays

The streets listed will have suitable base pavement repair of holes and minor sections (less than 5 % of total area) completed by the City prior to release of the project to the contractor for work. The contractor will place a suitable shim to increase cross slope and improve the inner wheel paths. Shim depths must fully eliminate ruts in the inner wheel path and reduce outer wheel path ruts to less than

½". The contractor will lay a single lift of pavement in two lanes of Type IV pavement at the specified width and with a depth that averages 1 ¼ inches deep over the project. Actual pavement depth shall not be less than ¾ inch in any location.

- a) Midway St beginning on Quinlan Avenue at a crossing point defined by extending to the intersection with Merchant St with a thickness of 1 ¼- inch and average width of 20 feet and estimated distance of 300 feet. **Completion by November 1, 2023.**
- b) Pleasant St beginning at curb on Beckley St continuing to the western edge of Garcia Ln with a thickness of 1 ¼ inch width of 22feet and estimated length of 575 feet. **Completion by November 1, 2023.**
- c) River St beginning at Granite St continuing to the northwestern edge of the Vanetti Park property with a width of 24 feet, thickness of 1 ¼ inches and estimated length of 1490 feet. **Completion date is November 1, 2023.**
- d) South Main St sidewalk east side beginning at the RR crossing continuing to Ayers St with a width of 5.5 feet, thickness of 1 ¼ inches and estimated length of 1420 feet. **Completion by November 1, 2023.**
- e) South Main St sidewalk west side from Walker St to Parkside Terrace with a width of 5.5 feet, thickness of 1 ¼ inches and estimated length of 2270 feet. **Completion by November 1, 2023.**
- f) Allen St sidewalk and curb with a width of 5.5 feet thickness of 2 inches (Single Lift) and estimated length of 1900 feet. **Completion by November 1, 2024.**
- g) Beckley St beginning at the northwest edge of Olliver St continuing to the City/Town line with a width of 24 feet, thickness of 1 ¼ inches and estimated length of 1265 feet. **Completion by November 1, 2024.**

C. PREPARATION OF BIDS

Bids will clearly be marked **PAVING BIDS City of Barre** and forwarded to:

City Manager's Office
City Hall Suite 2
6 North Main Street
Barre, VT 05641

Bids may be submitted electronically with email subject **PAVING BIDS City of Barre** to:

ExecAssist@barrecity.org

Bids must be submitted on the accompanying bid form. This is a bundled contract. All elements of the work are included the contract. The City reserves the right to remove any locations or postpone completion to meet budgetary or functional requirements.

D. SITE VISIT

Prior to the opening of Bids, it is expected that each Bidder will have inspected the sites for assignment and become thoroughly familiar with the Contract Documents, existing field conditions and limitations. Failure of a Bidder to review all documents pertinent to the Contract shall in no way relieve any Bidder from the obligation with respect to their Bid. Questions about the contract may be submitted in writing until March 15, 2023 and sent to execassist@barrecity.org with subject line **PAVING BIDS Question**. Written answers will be distributed to all bidders submitting questions and posted on the City website by March 20, 2023

E. AWARD OF CONTRACT

The Contract will be awarded to the lowest responsible and eligible Bidder as determined by the City. The City intends to award a Contract within approximately ten (10) working days after the Bid opening. The City reserves the right to reject any and all proposals or to waive any informality or technicality in any proposal in the best interest of the City.

F. PROPOSAL GUARANTEE OF BID BOND

A CERTIFIED CHECK, CASHIER'S CHECK OR A Bid Bond in the amount of 10% of the project cost as bid shall accompany each bid. The Bid Bond submitted by the successful bidder will be returned upon submittal of the Performance Bond (see G. below) and the Certificate of Insurance. The successful Bidder shall provide the City of Barre with these documents within twenty (20) days of notice of award of the Contract. Proposal Guarantees of all unsuccessful Bidders will be returned approximately thirty (30) days after the opening of the proposals.

G. PERFORMANCE BOND

Performance Bond in the amount of 10% of the total project cost will be required of the successful Bidder and paid for by them. This Bond shall be presented at the execution of the Contract on appropriate forms provided by the Contractor.

H. CONTRACT TIME

The paving projects listed in this document are intended to be completed by **November 1, 2023 or November 1, 2024 unless otherwise noted.** The City will bundle paving project mobilizations to provide a minimum tonnage estimated at no less than 850 tons. Failure of the Contractor to commence work within the ten (10) day notification will result in a (\$500.00) five hundred dollar per work-week penalty. Days

with inclement weather which prevents paving will not be included after the eighth day of this criteria.

I. ASPHALT PRICE ADJUSTMENTS

The asphalt price adjustment shall be the same formula as called for in the Vermont State Department of Transportation's contract for Liquid Bituminous Material in effect on the date of this bid. The contractor shall include the price index in effect for the bid submitted.

GENERAL CONDITIONS

I. GENERAL

- a) Before commencing work, the Contractor and each of their subcontractors if any, shall furnish the City of Barre with a certificate showing that they have adequate coverage pertaining to Workmen's Compensation, Public Liability and Property Damage Insurance.
- b) It will be the Contractor's responsibility to make arrangements to visit the site and make their own appraisal of the work to be carried out.

II. PREPARATION OF SUB-BASE

It will be the Contractor's responsibility to shape, finish grade and re-compact the sub-base to establish an acceptable road profile and typical cross section. The centerline road profile will be established from existing curb lines and/or gutter elevations. The Barre City Engineering Department will set control grades on each street and work with the Contractor in establishing these grades.

The roads shall be sloped at a grade of ¼-inch per foot from the centerline to each gutter.

III. PAVING SPECIFICATIONS

All paving will be in accordance with the latest version of the State of Vermont Agency of Transportation Standard Specifications for Construction.

- 1) The Contractor will sweep and apply Emulsified Asphalt (RS-1, RS-1H or CRS-1H) to all existing pavement prior to paving. The rate of application shall be greater than 0.10 gallons per square yard on any milled surface and 0.04 gallons per square yard between asphalt layers
- 2) A 2-foot-wide by 1-inch depth cold planed transition strip and butt joint will be created at all intersections of new pavement to existing roads. The cold

planned area shall receive emulsion as described in 1) above prior to applying new pavement.

- 3) 2 ¾-inch or more Pavement Thickness – The types of Bituminous Concrete to be used will be Type III (1/2" aggregate) for the base coat (1 ½-inch minimum thickness compacted or greater as specified for the location). A Type IV (3/8" aggregate) will be used for the surface with a thickness of 1 ¼ inch.

IV. ADJUSTMENT OF UTILITIES

It will be the City's responsibility to adjust all utilities (i.e. road boxes, manholes, etc.). Manholes will be adjusted/set to grade by the City or its Agent. When manholes and drainage basins are set to finish grade, it will be the Contractor's responsibility to meet those grades. The contractor is required to provide a taper from the centerline based grades for the street into the drainage structure. The taper shall be two feet wide on each structure parallel to centerline and 18 inches transversely. Failure of the Contractor to meet this requirement will result in the Contractor compensating the City of Barre for the costs associated with adjusting the utility or replacement of the pavement(s).

NOTE: MANHOLES, CATCHBASINS, ROADBOXES WILL BE LEFT IN PLACE AND THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND EACH OF THEM.

V. TRAFFIC CONTROL

It will be the Contractor's responsibility to provide for all necessary traffic control, which consists of but not limited to signs, police officers, etc. and will be considered as a part of the cost per ton bid price. Police officers shall be used at all signalized intersections. Street closures to through traffic are an anticipated element of the work for most locations.

VI. MISCELLANEOUS

The Contractor will be responsible for any clean-up (pertaining to their work) after each paving job has been completed.

VII. BIDDING

- a) BIDS SHALL BE SUBMITTED AS A PER TON COST FOR THE PAVING OF THE PROJECT INCLUDING ALL ASSIGNMENTS. THE BIDS WILL BE THE FULL COSTS FOR ALL THE NECESSARY WORK (LABOR, EQUIPMENT, MATERIALS) REQUIRED TO PREPARE AND PAVE THE STREETS/PROJECTS ACCORDING TO THE SPECIFICATIONS OUTLINED IN THIS DOCUMENT.
- b) BIDS SHALL INCLUDE A PRICE FOR THE OPTION OF A VIRGIN APSALT TOP COURSE ON ALL STREETS. THE OPTION SHOULD BE QUOTED AS THE ADDITIONAL COST PER TON FOR THE WEARING COURSE PAVEMENT.

- c) THE COST FOR THE MILLING OF THE TRANSITION STRIPS SHALL BE INCLUDED IN THE UNIT COST OF THE ASPHALT.
- d) BIDS SHALL BE SUBMITTED AS A COST PER SQUARE YARD FOR CAPPING STREETS WITH LIQUID CALCIUM CHLORIDE AT .25 GALLONS/SQUARE YARD. This is an Option to be exercised at the City's discretion.
- e) THE CITY OF BARRE RESERVES THE RIGHT TO ACCEPT OR REJECT ANY AND ALL BIDS AND TO ACCEPT THE BID DEEMED TO BE IN THE BEST INTEREST OF THE CITY OF BARRE.
- f) THE BIDDERS SHALL USE THE FORM SUPPLIED WITH THIS DOCUMENT FOR BIDDING. NO OTHER FORMS WILL BE ACCEPTED.

VIII. BIDDERS QUALIFICATIONS

- a) Each Bidder must be able to furnish a statement of qualifications listing his/her experience in the type of work included in the project and equipment available for the work contemplated if so required by the City. The City reserves the right to reject any Bid where an investigation of available evidence does not satisfy the City that the Bidder is qualified to properly perform the work.
- b) The Contractor shall supply all equipment, which shall be in conformance with the latest version of the State of Vermont Agency of Transportation Standard Specifications for Construction.

IX. TERMINATION OF CONTRACT

The Contractor may be terminated by the City at any time, upon written notice to the Contractor on a specified date if the Contractor:

- 1) Fails to begin work within the specified time (excluding weather days);
- 2) Fails to pursue the work in a manner to ensure proper completion;
- 3) Pursues the work in a manner to render the completed project unsuitable to the City; and/or
- 4) Discontinues work on the project or any assignment.

X. PAYMENT

The Contractor shall be compensated for the work completed at the time of completion of each of the streets/projects. The Contractor may invoice for streets/ projects on a mobilization basis if they so elect.

XI DIGSAFE

THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING DIG SAFE FOR OTHER THAN CITY-OWNED UTILITIES. (1-888-DIG-SAFE)

**BITUMINOUS CONCRETE PAVIING
BARRE, VERMONT - BID SHEET**

The undersigned declares that they have carefully examined the Contract Documents and familiarized themselves with all conditions, materials, equipment, tools, labor and incidentals necessary to carry out the work as specified in these Contract Documents.

The undersigned hereby agrees to commence work under this Contract and continue with all regularity and dispatch to complete these projects before **November 1, 2023** **or November 1, 2024 as specified in the bid.**

The undersigned proposes to complete all the work in its entirety in accordance with the above understanding at the price as follows:

- a) The grade of asphalt cement used to produce the bituminous concrete pavement shall be PG 58-28. Alternate grade asphalt cement that meet or exceed these requirements may be used.
- b) Emulsified asphalt shall be applied on existing pavement surfaces, between all courses of pavement and on cold planed surfaces at a rate of .02 gal. / square yard.

PAVEMENT BID PRICE AS COST PER TON APPLIED \$ _____

BID PRICE PER SQUARE YARD TO "CAP" STREETS WITH LIQUID CALCIUM CHLORIDE \$ _____

Optional Price Virgin Asphalt Wearing Course PER TON \$ _____

_____ Company Name

_____ Duly Authorized Agent

_____ Title

_____ Print Name

Mailing Address: _____

Telephone #: _____

**CONTRACT
PAVEMENT RECLAMATION
AND
BITUMINOUS CONCRETE PAVING
CITY OF BARRE, VERMONT**

This Contract made this _____ day of _____ by and between the City of Barre, Vermont hereinafter called the Owner and _____ with legal address of _____, Vermont and principal place of business at same, hereinafter called the Contractor.

WITNESSETH: That in consideration for payments and agreements hereinafter mentioned to be performed by the Owner, the Contractor agrees to commence and complete the PAVEMENT COLDPLANING and BITUMINOUS CONCRETE PAVING as set forth in the bid documents. The Contractor shall perform all the required work in a professional manner and provide and furnish all materials, labor, tools, equipment and related services necessary to complete said work in accordance with the conditions set forth in these Contract Documents, which are all part of this Contract.

The City of Barre shall pay the Contractor for paving the following price per ton for the performance of work under this Contract: \$ _____/ per ton.

The City of Barre shall pay the Contractor for asphalt cold planing the following price per square yard for the performance of work under this Contract: \$ _____per square yard.

The City of Barre shall pay the Contractor for "capping" the following price per square yard for the performance of work under this Contract: \$ _____/per square yard, if the option is elected by the City on each assignment.

The City of Barre agrees to pay the Contract in accordance with and subject to the provisions of the Contract Documents.

INWITNESS THEREOF, the parties to these present have executed this Contract on

Contractor's Name

By

Title

City of Barre Nicolas Storellicastro

City Manager

Title