

**CONTRACT DOCUMENTS
AND
SPECIFICATIONS
FOR
“BITUMINOUS CONCRETE PAVING”
INFORMATION FOR BIDDERS

FY 2019*

JULY 1, 2018 – JUNE 30, 2019

CITY OF BARRE, VERMONT**

*** Contract requires pricing hold until Nov 30, 2019**

A. RECEIPT OF BIDS

The City of Barre, Vermont will receive bids until 11:00 a.m. (local time) on Friday, June 22, 2018 in the City Manager's Office, City Hall, 6 North Main St. Barre, Vermont. Immediately thereafter, they will be publicly opened and read aloud in the City Council Chambers.

B. SCOPE OF THE WORK

The City of Barre will be performing utility work on some of the streets listed in this street reconstruction program. Others will be prepared for bituminous concrete pavement to be applied in two lifts at no less than the specified thicknesses

1) Pavement Removal

The streets listed will have the paved surfaces removed/scarified by the City and a suitable sub base material will be installed by the City to approximate grade. A project description for each street is further described in the following document pages. Each street is an assignment for completion within this project. 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.)

2) Paving

The work will also consist of the Contractor applying a 2-lift course with total compacted thickness to be 2 ½" in depth (preferred layers at 1 ½ inch Type 3 base course and 1 inch Type 4 surface course), or a 2 lift course with total compacted thickness of 4 inches in depth (preferred layers at 2 ½ inch Type 2 Base course and 1 ½ inches Type 4 surface course), unless otherwise specified of Bituminous concrete pavement over the streets listed on the following sheet. All assignments at 1 ½ inches or less are a single lift placement. Paving contractor shall provide taper to drain structures with 2 feet each side of structure longitudinally and 1.5 feet transversely. **Exceptions to thickness are as noted in these specifications.** All labor, equipment (satisfactory to accomplish the work) and materials (except 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.

3) This contract is considered a package contract.

C. PREPARATION OF BIDS

Bids will clearly be marked **PAVING BIDS** and forwarded to Nicolas Landry, Executive Assistant, City Hall, 6 North Main Street., Ste. 2, Barre, VT. 05641

D. SITE VISIT

Prior to the opening of Bids, it is assumed 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 his/her Bid.

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 project cost will be required of the successful Bidder and paid for by him/her. 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 **June 30, 2019**. The City has every intention of completing all of the streets listed in this bid document. However, if all utility work cannot be completed this calendar year those streets not completed will be held over and completed before November 30, 2019. The paving contractor will be required to hold his/her paving price and "capping" price for streets completed under this bid document in 2019. The Contractor shall start work WITHIN TEN (10) DAYS (EXCLUDING SAT. AND SUN.) AFTER RECEIVING NOTICE FROM THE CITY THAT ASSIGNMENT (THE STREET OR STREETS) is prepared and continue to work with all regularity and dispatch until the project, street or streets have been completed. Failure of the Contractor to commence work within the ten (10) day notification will result in a (\$500.00)

five hundred dollar per workday penalty. Days with inclement weather which prevents paving will not be included after the eighth day of this criteria.

Failure of the Contractor to complete the streets prepared under this contract by June, 2019 will result in a (\$500.00) five hundred dollar per workday penalty. The City will evaluate the reason(s) why the Contract was not completed before imposing the workday penalty. Exception to this will be if the City delays some of the streets listed in this bid document. If that occurs the remaining streets shall be completed by November 30, 2019.

NOTE: The City of Barre will make every effort to group the streets to be paved however the City reserves the right to request a street or streets be paved when the City deems it to be in the best interest of the general public and/or to prevent the potential of damage to the road sub-base material. Any streets with a grade greater than 6% shall receive at a minimum the base coat of asphalt within (5) days after the asphalt surface has been removed.

I. ASPHALT 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.

GENERAL CONDITIONS

I. GENERAL

- a) Before commencing work, the Contractor and each of his/her subcontractors if any, shall furnish the City of Barre with a certificate showing that he/she/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 his/her 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 ½" Pavement Thickness – The types of Bituminous Concrete to be used will be Type III (1/2" aggregate) for the base coat (1 ½" thick compacted). A Type IV (3/8" aggregate) will be used for the surface.
- 4) 4" Pavement Thickness – (4" Thickness shall be Super-Pave) The types of Bituminous Concrete to be used will be Type IIS (3/4" aggregate) for the base coat (2" thick compacted), Type IIIS (1/2" aggregate) for the finish overlay (2" thick compacted).

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/GRADED 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.

VI. MISCELLANEOUS

The Contractor will be responsible for any clean-up (pertaining to his/her 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

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) THE COST FOR THE MILLING OF THE TRANSITION STRIPS SHALL BE INCLUDED IN THE UNIT COST OF THE ASPHALT.
- c) 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.
- d) 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.
- e) 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 insure proper completion;

- 3) pursues the work in a manner to render the completed project unsuitable to the City;
- 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 CITY HAS EVERY INTENTION OF ACCOMPLISHING ALL THE WORK LISTED HOWEVER, THE CITY RESERVES THE RIGHT TO WITHDRAW CERTAIN STREETS FROM THIS PLAN, IF BUDGETARY PROBLEMS DEVELOP OR ADD TO THIS SCHEDULE IF NEEDED. ALL THE SAME UNIT COSTS WILL APPLY TO ADDITIONAL STREETS.

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 (1 OF 2)**

The undersigned declares that he/she has carefully examined the Contract Documents and familiarized himself/herself 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 **June 30, 2019.**

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

STREET NAME	Length/Width/Thickness	Sq. Yards	Tonnage
Waterman St.	1120/28/2 ½	3484	491
King St.	410/22/2 ½	1002	141
Park St. (Academy to Eastern Ave)	750/28/2 ½	2256	318
Hill St. (Cemetery Dr. to Camp St)	500/28/ 2 ½	1556	219
Camp St. (Hill to Washington)	550/20 2 ½	1222	172
Midway St	318 /18/ 2 ½	630	89
Merchant St. (Wellington to Summer)	360/24/4	960	216
Hall St. (Elm to Tremont)	200/18/2 ½	400	56
Cottage St.	370/28/2 ½	1151	162
Camp St (Tremont to City Line)	1500/22/2 ½	5000	705
Granite St. (Main St. to Railroad Crossing)	300/28/1 ½	933	78
Shimming TBD	1,400/24/1 ¼	3733	263

Thickness= total thickness of New Asphalt in inches

Area in square yards - approximate

All streets will be scarified by the City of Barre Public Works Dept. and a suitable sub-base will be installed by the City. The contractor will be required to shape/grade and compact (static roller) these streets and establish a cross-section slope of 1/4- inch per foot from the center-line to the gutters on each side of centerline prior to paving.

**BITUMINOUS CONCRETE PAVIING
BARRE, VERMONT
BID SHEET (2 OF 2)**

The grade of asphalt cement used to produce the bituminous concrete pavement shall be PG 58-28.

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 \$ _____

_____ Company Name

_____ Title

Duly Authorized Agent

_____ 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 submitted June 22nd, 2018. The Contractor shall perform all the required work in a workman like 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: \$ xx.xx/ per ton.

The City of Barre shall pay the Contractor for asphalt coldplaning the following price per square yard for the performance of work under this Contract: \$ N/A/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: \$x.xx/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 Steven E. Mackenzie P.E.

City Manager
Title