

Town of Montville

INVITATION FOR PROPOSALS

Chip Seal

BID # 2020-12

The Town of Montville is soliciting bids for Chip Seal.

All proposals are due no later than 6/4/2020 at 10:00 AM and must be received at the Finance Office prior to the due date and time. A proposal must be delivered by regular or overnight mail to the Town of Montville, Finance Office, 310 Norwich/New London Turnpike, Uncasville, Connecticut 06382, with the proposal contained in a sealed envelope marked "Chip Seal". The proposal must be signed by a Company official. Proposals will be opened and read aloud in the Finance Office, and interested persons may attend the opening remotely under procedures that will be posted on the Town of Montville's website.

In addition to other reservations and conditions contained in the proposal documents, the Town of Montville reserves the right to waive any technical defects in the proposals received; to waive any formalities or irregularities; to reject any and all proposals for any reason, including that it or they do not conform to the terms and conditions described herein, as determined by the Town in its sole discretion; to accept or reject any part of any proposal received; to present and negotiate terms of a contract together or separately with any party submitting a proposal; to determine qualifications exclusively and finally; to request additional qualifications; and to select any proposal or part thereof based on any combination of factors, including the amount proposal, the time of completion, and the Town's best interests. The Town further reserves the right to retain all proposals submitted and to use any ideas in a proposal regardless of whether or not that proposal is selected.

It is the intent of the Town to award this contract to the lowest responsible bidder who is capable of performing work for all listed bid items. All bid items must be filled out to constitute a qualifying bid. The Town of Montville reserves the right to reject any or all bids and waive any informalities or irregularities in the bid procedure or bids.

The Town may hold the bids for a period not to exceed sixty (60) days from the date of the bid opening to review the bids and investigate the bidders' qualifications prior to awarding the contract.

All bidders are advised the Town of Montville has enacted through resolutions the following special conditions concerning Town bids and purchases.

1. For all Town purchases of goods and services not utilizing State or Federal funds, any Town bidder that has submitted a bid not more than 15% (fifteen percent) higher than the low bid may be awarded the project provided such Town based bidder agrees to accept the award of the bid at the amount of the low bid. If more than one Town based bidder has submitted bids not more than 15% (fifteen percent) higher than the low bid, and have agreed to accept the award of the low bid, the lowest responsible bidder shall be the one of such Town based bidders that submitted the lowest bid. That within the bidding process that all businesses claiming to be Montville businesses, provide the Finance Department (Assessor's Section) with sufficient documentation to prove that they are in compliance with property tax assessments, including motor vehicle tax assessments.
2. Seller agrees that as a condition of his sale of goods and/or services to the Town of Montville, the Town of Montville will be authorized to deduct from the proceeds due Seller an amount not to exceed 25% of the total amount due Seller. Said amount is to be applied against any unpaid and

overdue taxes, assessments, fees, or other charges levied by the town of Montville or any agency thereof against the Seller. The Seller further agrees that Seller shall insure that Seller has the right to withhold an amount not to exceed 25% from each subcontractor working for the Seller, and providing goods and/or services to the Town of Montville, and to remit such withheld money to the Town in full or partial satisfaction of any unpaid and overdue taxes, assessments, fees, or other charges levied by the Town of Montville or any agency thereof against such subcontractor.

INSTRUCTIONS TO BIDDERS

Bids shall be submitted on the enclosed forms. Incomplete forms may be cause for disqualification of the Bid. Bids must be signed by an authorized representative/officer/agent of the Bidder.

The Town of Montville shall be the sole judge as to whether any Bid complies with these specifications, and such a decision shall be final and conclusive. Bidders shall state any exceptions taken to the Bid specifications.

The Town of Montville is exempt from the Connecticut sales tax, Federal excise taxes, and the provision of the Federal-Robinson-Patman Act.

CONTRACT PERIOD

The contract period shall be for one year, beginning on July 1, 2020 and ending on June 30, 2021.

The Town reserves itself the option to extend the use, terms, conditions and prices of this bid annually, up to a maximum of two (2) years after the first year in which the contract is awarded. Such extension must be mutually agreed upon between the town and the Contractor.

It is the intent of this Request for Bids that all political subdivisions and districts located in the State of Connecticut be entitled to make purchases of materials, equipment, or supplies from the resulting bid award. Each participating entity shall be billed by and make payment directly to the successful bidder. In the event of a failure or breach in performance of any such bid by a participating entity or the successful bidder, The Town of Montville, specifically and expressly disclaims any and all liability for such defective performance or breach, or failure of either party to perform in accordance with its obligations, covenants.

Chip Seal

1. Materials:

- 1.1 Asphalt Base Emulsion- Catatonic Rapid Set Emulsion (CRS-2P). The specification for CRS-2P shall be in accordance with the material properties and test methods as specified by ASTM, AASHTO, CT DOT Form 817 and successors, and CT State Bid.

- 1.2 Aggregate- The aggregate shall be washed, hard, durable clean rock, free from coatings or deleterious material. All of the aggregate shall meet the requirement of CT DOT form 817 M.04.01 (3/8" or 1/4" stone, size to be determined by the town) by washed sieve analysis as described in AASHTO T 11, coarse aggregate for bituminous concrete materials. The Contractor shall notify the Town as to aggregate sources. The Contractor is responsible for loading and transporting materials to the site.

1.3 Material Testing-The Town shall approve the source of supply of each of the materials specified before delivery is started. The Contractor shall supply the Town with certifications that all materials to be supplied meet specification. Only materials conforming to the requirements of these specifications and approved by the Town shall be used.

No material shall be used until testing conforms to the specifications stated herein. Materials, which after approval, have in any way become unsuitable for use, will not be accepted by the Town.

The Contractor is responsible for the quality of materials from the source to the job site. No stockpiling of aggregate will be allowed at any location except the source without prior Town approval. Individual load tickets shall be provided to the Town Inspector during aggregate application. Material to be hauled in clean truck bodies.

2. Construction Requirements:

2.1 Equipment - The Contractor shall supply all equipment necessary to do the work specified. Should any equipment become unsatisfactory for whatever cause, the Contractor shall remove and replace the equipment without delay or additional cost.

2.2 Bituminous Carrier - All bituminous carriers must be clean, free from dirt, foreign material and material from previous loadings. Such carriers may not contain materials which tend to clog pipelines and pumps of distributors. The Contractor is responsible for any loss of material due to defective or improperly closed valves. Bituminous carriers delivering material shall be equipped with a satisfactory thermometer and heating apparatus to ensure that the material is in the proper condition for application. Each carrier or tanker shall have a working valve in the bulkhead for sampling purposes.

2.3 Bituminous Distributor - The Contractor's bituminous distributors must be equipped with approved tachometers. These tachometers should be checked and calibrated at the start of each oiling season, for use in determining accurate applications for all grades of emulsion, for varying widths of spray bars through coordination of vehicle speed and pump output. The distributors must be equipped with full circulating bars and have sufficient spare sections of spray bars to apply emulsion in multiples of 2 feet for any reasonable total width of application. Distributors must be equipped with a hand hose in an operating condition for use in covering areas inaccessible for standard spray bars. The distributor must be equipped with two (2) squeegees for removing excess emulsion at starts and stops. The Contractor's distributor must be equipped with an approved calibrated measuring stick and/or gauge to determine at any time the gallons of emulsion remaining in the tank of the distributor. All operators shall be fully trained in the operation of the distributor.

2.4 Aggregate Spreader and Roller - The Contractor operated aggregate spreader must be a self-propelled chip spreader type or approved equal. The aggregate shall be spread evenly by a computerized mechanical chip spreader. The spreader shall be capable of spreading in one (1) foot wide increments, and up to twenty-two (22) feet wide in a single pass.

The Contractor operated rubber tired roller must be a self-propelled pneumatic tire roller equipped with wide tread compaction tires capable of exerting an average contact pressure of anywhere from 60 to 90 pounds per square inch uniformly over the surface.

2.5 Sweeping - The Town shall sweep road(s) to be chip sealed prior to the arrival of the Contractor. The Contractor is required to re-sweep roads immediately prior to placing the base emulsion. The Contractor shall also sweep loose aggregate on the morning of the day following application of the chip seal, weather permitting. Sweeping must be conducted when the road surface is cool. Extreme care must be taken such that cover aggregate that has set is not disturbed. The sweeper must be mobile with a front or side unloading hopper, right and left gutter brooms, and be capable of unloading into a standard six wheel dump truck.

2.6 Delivery Requirements - Delivery of the liquid emulsion will be requested by the Town at least one (1) day prior to the day the emulsion is required on the job site. The Contractor shall have the liquid emulsion delivered to the destination specified, within the required temperature range and ready to apply at the time requested by the Town.

Emulsion temperature at the point of origin and at the time of delivery must be between 150 and 170 degrees F. Emulsions shall be heated to the lowest temperature necessary to obtain a satisfactory application. No emulsion will be heated above 170 degrees F.

At no time may the emulsion be heated above specification limits as listed herein. The Contractor's equipment must be equipped with satisfactory thermometer and heating apparatus. In addition to this equipment, bituminous distributors are to be equipped with pumps capable of circulating materials whereby specification temperatures may be maintained without burning of material adjacent to the heating flues.

2.7 Material Application Rates - The specific emulsion and aggregate application rates shall be determined using factors such as surface temperature, traffic volume, existing road conditions and the time of the year. The Contractor may alter application rates upon approval of the Town.

Emulsion -0.30 -0.45 Gallons/ Square Yard

Cover Coat Aggregate 3/8" - 21 - 28 pounds / Square Yard

3. Execution of Work:

3.1 Catch Basins, Manholes and Valve Boxes - Catch Basins, manholes and valve boxes shall be covered with an approved material during the chip seal operation. The covering shall be removed immediately after the chip seal operation is complete.

3.2 Weather Limitations - The chip seal shall not be applied when the pavement is moist, or when the weather is, or may be detrimental. Detrimental weather is defined as rain showers, cool temperatures, moist pavement, threat of rain showers or other environmental factors which could affect the performance of the chip seal operation. No chip seal shall be applied if either the pavement or air temperature is below 55 degrees F and falling, but may be applied when both the pavement and air temperature area above 50 degrees F and rising.

3.3 Surface Preparation - The Contractor shall be responsible for all measures required to provide a thoroughly clean and dry pavement surface including vegetation removal (if necessary) and additional sweeping prior to the chip seal application.

3.4 Application of Bituminous Emulsion - The application of emulsion shall be performed by means of a pressure distributor in a manner to achieve a uniform and continuous spread over the existing asphalt surface. The temperature of the emulsion shall be a minimum of 150 degrees F.

The quantity of emulsion per square yard shall be as specified above and agreed upon by the Town. The distributor shall be moving forward at the proper application speed at the time the spray bar is opened. If at any time a nozzle becomes clogged or not spraying a proper pattern, the operation shall be immediately halted until repairs are made. Repairs shall be made immediately after deficiencies are found and prior to the placement of aggregate. The width of the emulsion application shall be no greater than the width of the aggregate spreader except where additional passes are required, then the emulsion shall be four (4) inches beyond the aggregate spread. At no time shall the emulsion be allowed to break, chill, set up, harden or otherwise impair the aggregate retention before the aggregate has been properly applied and rolled.

3.5 Application of Cover Coat Aggregate - The aggregate cover coat shall be applied immediately following the emulsion application by the approved aggregate spreader. The quantity of cover coat material per square yard shall be as specified herein and agreed upon by the Town. The Contractor, prior to the start of work, shall calibrate the aggregate spreader to achieve the design application rate of cover coat aggregate. Spreading shall be accomplished in such a manner that the tires of the trucks and aggregate spreader never contact the newly applied bituminous emulsion. The width of the aggregate spreader shall be equal to the width of the emulsion spread, except where additional passes are required. All areas which are deficient in aggregate, shall be covered immediately with additional material.

3.6 Rolling- Initial rolling shall begin immediately after the application of the cover coat aggregate. Roller(s) shall work to complete a minimum of three (3) passes with sufficient overlap. Should the rolling operation be delayed, the emulsion and aggregate spreading shall be halted until the operation regains the proper sequencing and timing. The maximum speed of the rolling operation shall be 10 miles per hour.

3.7 Sweeping - Within 24 hours after application (weather permitting), excess aggregate shall be swept from the chip sealed roadway and adjacent areas. Disposal of excess aggregate is the responsibility of the Contractor. No used or dirty stone shall be re-applied in subsequent locations in the Town.

3.8 Contractor Furnished Traffic Control - The Contractor shall supply and be responsible for all labor including two (2) Uniformed Flaggers (as defined herein), equipment, signs, cones, and other materials necessary. Traffic control will be performed in accordance with "Work Zone Safety Guidelines for Maintenance Operations" . Payment for Contractor Furnished Traffic Control shall be included in the square yard unit price for the Chip Seal product.

3.9 Uniformed Flaggers - defined as: Persons who have successfully completed flagger training by the American Traffic Safety Services Association (ATSSA), National Safety Council or other Town approved programs. A copy of the Uniformed Flaggers training certificate must be provided to the Town Inspector before the Uniformed Flagger performs any work on any job site. Uniformed flaggers shall wear garments (including high visibility headgear) so as to readily distinguishable as Uniformed

Flaggers in accordance with Standard 6E-3 of the Manual on Uniform Traffic Control Devices (MUTCD) and these specifications. A Uniformed Flagger shall be equipped with a Stop/Slow paddle that is at least 18 inches in width with letters 6 inches high which conforms to standard 6E-4 of the MUTCD.

3.10 Variation of SPECIFICATIONS

Only the Town in its sole discretion, may amend, waive, or change any part of this specification. Any variation will be acknowledged in writing by the Town and the Contractor.

BASIS OF PAYMENT: The quantity to be measured for payment will be the number of square yards of Chip Seal actually completed. The accepted quantity of chip seal will be paid for at the contract unit price per square yard, which shall be full compensation for furnishing, transporting, handling and placing the material specified and furnishing of all labor, tools, equipment and incidentals for the satisfactory completion of this item. Pay items will be broken down as follows: 10,000-24,999 square yards, 25,000 to 50,000 square yards, 50,001+ square yards.

TRAFFIC CONTROL – ALL PROCESSES

If Municipality is in charge of traffic control:

Municipality shall be responsible for traffic control patterns throughout the term of Contract. Municipality shall be responsible for providing traffic control personnel, as well as supplying, erecting, maintaining, moving and removing all signs, sign supports, barricades, traffic cones, traffic delineators, and any other materials necessary to establish the traffic patterns.

If Contractor is in charge of traffic control:

Contractor shall be responsible for traffic control patterns throughout the term of Contract. Contractor shall be responsible for providing traffic control personnel, as well as supplying, erecting, maintaining, moving and removing all signs, sign supports, barricades, traffic cones, traffic delineators, and any other materials necessary to establish the traffic patterns. Contractor controlled traffic includes 3 flaggers. Should additional flaggers be needed, there will be an “additional flagger” pay item by the day.

PRICE PAGE

Chip Seal

<u>Project Size</u>	<u>Unit Price</u>
10,000 – 24,999 SY	/per SY
25,000 – 50,000 SY	/per SY
50,001+ SY	/per SY

Traffic Control, Contractor Supplies \$ _____/sq. yd.

Additional Flagger \$ _____/day

BIDDER

SIGNATURE

COMPANY NAME

DATE

TITLE

PHONE

ADDRESS

FAX