



**TOWN OF TRUMBULL, CONNECTICUT
ENGINEERING DEPARTMENT**

**REQUEST FOR PROPOSAL
TOWN-WIDE
Application of Polymer Asphalt Surface Sealer – “Chip Seal”
TRUMBULL, CONNECTICUT**

RE-BID-RFP #6338 DUE: July 2, 2019 at 2:00 PM

**TOWN OF TRUMBULL
ENGINEERING DEPARTMENT
REQUEST FOR PROPOSAL
APPLICATION OF POLYMER ASPHALT SURFACE SEALER – “CHIP SEAL”**

RE-BID-RFP # 6338 DUE: JULY 2 2019 at 2:00 PM

GENERAL INSTRUCTIONS

The Town of Trumbull, (hereinafter referred to as Town or Owner), through the office of the Purchasing Agent, is seeking qualified contractors to provide all labor, material, equipment, delivery and all else necessary for the Town-wide application of Polymer Asphalt Surface Sealer, “Chip Seal”, as further described herein.

All qualified and interested parties (hereinafter referred to as proposer, bidder, contractor or supplier) are invited to submit proposals under the terms and conditions set forth as follows:

This RFP is not a contract offer, and no contract exists until a written contract is signed by the Town and the successful proposer.

1. PREPARATION FOR PROPOSALS

One (1) original and two (2) exact copies of the Proposal shall be submitted in a sealed envelope, and addressed to: Purchasing Agent Kevin Bova, Town of Trumbull, in a sealed envelope and plainly marked on the outside as “**Application of Polymer Asphalt Surface Sealer – “Chip Seal”**” the envelope shall bear on the outside the name of the proposer and address. No oral, Email, telephone or telegraphic responses will be considered. Proposals received after the advertised time and date due shall not be opened or considered. The Town reserves the right to communicate with any or all of the proposers to clarify the provisions of Proposals. The Town further reserves the right to request additional information from any proposer at any time after proposals are opened

2. PROPOSAL SUBMISSION

a) Proposals are to be completed (unless directed otherwise in the specifications), printed, signed by an authorized agent, and sealed in an envelope (including all official literature, brochures, etc., which support this request) and addressed as follows:

Re-Bid-RFP # 6338 July 2, 2019 @ 2 PM
Application of Polymer Asphalt Surface Sealer – “Chip Seal”
Trumbull Town Hall – Attn: Kevin J Bova, Purchasing Agent
5866 Main Street, Trumbull CT 06611

b) All Proposals must be made on the enclosed Proposal form. All blank spaces for Proposal prices must be filled in, in ink or typewritten, and the proposal form must be fully completed and executed when submitted. Please be advised that the person signing the formal proposal must be authorized by your organization to contractually bind your firm with regard to prices and related contractual obligations for the subject project and for the contractual period requested

c) The Town reserves the right to correct, after proposer verification, any mistake in a proposal that is a clerical error, such as a price extension or decimal point error.

3. PROPOSAL RESPONSE TIME

Responses to this request shall be received at the office of the Purchasing Agent, Town Hall prior to the advertised hour (noted above) of opening, at which time all proposals (total proposal amount only) shall be publicly opened and read aloud. A proposer may withdraw a proposal at any time prior to the above scheduled date and time. Any proposal received after the above scheduled date and time shall not be considered or opened. No proposer may withdraw a proposal within Ninety (90) days after the actual proposal opening.

4. TOWN OPTIONS

The Town reserves the right to accept all or any part of a proposal, reject any or all proposals and to waive any requirements, informalities or irregularities, technical defects or non-material deficiencies in a proposal. The Town also reserves the right, if applicable, to award the purchase of individual items under this RFP to any combination of separate proposals or proposers for ON CALL. The award shall be made after careful consideration of all factors including but not limited to price. **The Town reserves the right to cancel the Bid if funding is not approved.**

5. TAX EXEMPT

The Town of Trumbull is exempt from the payment of taxes imposed by the Federal Government and/or State of Connecticut. Such taxes must not be included in the bid price. A Town Tax Exemption Certificate shall be furnished upon request.

6. SPECIFICATIONS

If quoted materials and/or equipment do not meet or better the attached specifications on ALL points, the proposer must note ALL exceptions as separate attachments to their formal response; otherwise, it will be presumed that the proposal is in accordance with all specifications requested herein.

7. INQUIRIES & ADDENDUMS

All technical inquiries regarding this request may be directed to **Tatiana Smotritskaya**, PE, Town of Trumbull, Engineering Department, (203) 452.5050 (tatianas@trumbull-ct.gov). All other questions shall be directed to **KEVIN BOVA** 203.452.5042 Kbova@trumbull-ct.gov.

- a) No inquiries shall be responded to that are received after **June 27, 2019 by close of business 5:00pm**.
- b) Answers to questions the Town deems to be in the interest of all proposers will be made available in writing, email or by Fax as appropriate to all proposers or posted as an addendum on the Town web site.
- c) The Town reserves the right to communicate with any or all of the proposers to clarify the provisions of this request; the Town further reserves the right to request additional information from any proposer at any time after proposals are opened.
- d) **It is the sole responsibility of a proposer to verify any addendums that may have been issued relating to this request prior to submission of a proposal. Any notice of addendum shall be published on the Town website (www.trumbull-ct.gov) in the Purchasing Department Section (Bid Notices) and from Digiprint. Submission of a response that does not address any changes or addendums may result in a disqualification of a proposal submission.**

8. ASSIGNMENT OF RIGHTS, TITLES, AND INTERESTS

ANY SUBCONTRACTING for work to be performed, or services to be provided, in whole or in part, and any other interest in conjunction with this project shall not be permitted without the express written consent of the Town of Trumbull.

9. HOLD HARMLESS CLAUSE

The Contractor agrees to indemnify, hold harmless and defend the Town from and against any and all liability for loss, damage or expense which the Town may suffer or for which the Town may be held liable by reason of injury, including death, to any person or damage to any property arising out of or in any manner connected with the operations to be performed under this request, whether or not due in whole or in part of any act, omission or negligence of the Owner or any of his representatives or employees.

10. WORK REGULATIONS, STANDARDS

All work activities performed in association with this request must be performed and completed for the Town in accordance with current Federal State and Local regulations. All services performed shall also conform to the latest OSHA standards and/or regulations.

11. INSURANCE

The successful proposer shall provide the Town Purchasing Agent with a Certificate of Insurance before work commences. The Town shall be named as an additional insured with Insurance Company licensed to write such insurance in Connecticut, against the following risks and in not less than the following amounts:

Commercial General Liability	Each Occurrence	Aggregate
Bodily Injury Liability	\$1,000,000	\$1,000,000
Property Damage Liability	\$1,000,000	\$1,000,000
Personal Injury Liability	\$1,000,000	\$1,000,000
Comprehensive Auto Liability	Each Occurrence	Aggregate
Including coverage of owned, non owned & rented vehicles	\$1,000,000	\$2,000,000
Property Damage	Each person 1m	Each Occur -1m

The insurance policy must contain the additional provision wherein the company agrees, that Thirty (30) days prior to termination, expiration, cancellation or reduction of the insurance afforded by this policy with respect to the contract involved, written notice will be served by registered mail to the Purchasing Agent, Town of Trumbull.

Additionally, the successful proposer (Contractor) shall provide adequate statutory Workmen’s Compensation Insurance for all labor employed on this project, and comprehensive General Public Liability Insurance (Coverage “B”)

The successful proposer (Contractor) and each Subcontractor agree that their insurance carriers waive subrogation against the Town, its agents or employees with respect to any loss covered by the Contractor's and each Subcontractor's insurance.

12. CONFLICT OF INTEREST

Public officials shall be prohibited from receiving any town work procured through a public Bid or bid waived process so as to avoid any appearance of impropriety or conflict of interest;

And, Public officials cannot circumvent the intent of this ordinance by receiving town work through a bid waiver, as proscribed by the Trumbull Town Charter.

14. WORK SCHEDULE

The Town anticipates requesting **Application of Polymer Asphalt Surface Sealer – “Chip Seal”** on **as-needed** basis.

15. LOWEST RESPONSIBLE PROPOSAL

- a) The Town shall determine the “lowest responsible qualified proposer” on the basis of the Proposer submitting the lowest “Total Proposal”, responsiveness of his Technical Proposal; and demonstrating a history of the ability and integrity necessary to perform the required work; and certifying that it shall perform the work in accordance with the specifications.
- b) Proposals will be compared on the basis of the “Total Proposal” of the items listed in the Proposal and on basis of the Proposer's experience and competence.
- c) If the Lowest Total Proposal exceeds the amount of funds available for the project, the Town reserves the right to increase or decrease any class, item or part of the work. After determining the “lowest responsible qualified proposer”, the Town will issue a Notice of Award to the successful Proposer.

16. DELIVERY TIME IS OF THE ESSENCE

Each firm submitting must indicate in their submission- minimum notification needed when **Application of Polymer Asphalt Surface Sealer – “Chip Seal”** is requested by the Town.

Award of work shall be for **one (1) year and six (6) months valid April 2019 to October 1, 2020**. The Town may request an optional of total 2 additional years in one year increments extension if the prices are held by the bidders or mutually agreed upon.

17. STATEMENT OF QUALIFICATIONS AND REFERENCES

Bidders shall complete and submit the “Statement of Qualifications” section of this request along with the References form. The Town and Engineering Department may make such investigations as necessary and it deems appropriate to determine the qualifications of the proposer to perform the work required. If the Town is not satisfied that the proposer is properly qualified, the Town along with Engineering Department reserves the right to reject the proposal of said proposer.

18. MISCELLANEOUS

- a) The Town may make such investigations as necessary and it deems appropriate to determine the qualifications of the proposer to perform the work required. Each proposer shall submit the Statement of Qualifications section (contained herein). If the Town is not satisfied that the proposer is properly qualified, the Town reserves the right to reject the proposal of said proposer.

19. AWARD AND AUTHORITY

The Purchasing agent from Town Hall on will issue notification of award in writing along with Standard contract and may issue a Purchase order on as needed bases.

1. Individual requirements and or assignments shall be awarded to the successful respondent to this request on an as needed basis for specific projects designated by the Town. **The Town may obtain the services of at least Two (2) qualified contractors in order to provide services for all of the specific General Specifications and Requirements but May only choose one if the town cannot obtain 2 qualified proposers. One will be the primary contractor, the second low qualified bidder will be secondary contractor.** Such assignments shall require a complete breakdown by the rates and pricing structure identified in the proposal form contained herein PRIOR to the commencement of any work assignments. All pricing quoted shall remain firm fixed for a period of **one (1) year and six (6) months from date of proposal opening**. Special consideration will be given to responses with extended firm price dates.
2. The duration of the contract shall be for one (1) year and six (6) months and may be renewed for 2 additional years in one (1) year increments if both parties mutually agree upon a price by giving the contractor at least thirty (30) days written notice and upon mutual consent of both parties. Notwithstanding the foregoing, the Town may cancel the contract at any time.

3. All awards for specific assignments shall be awarded by purchase order; however certain emergency requirements may be authorized directly by the Town Engineer or its designee.
- 4. The Town reserves the right to utilize the next lowest bidder if the lowest bidder is not able to fulfil the Towns request for Application of Polymer Asphalt Surface Sealer – “Chip Seal”**

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TECHNICAL SPECIFICATIONS

1. Price is to include all labor, materials, tools, equipment, plant, mobilization, permits, insurances, etc., required to properly complete this work.
2. The Town of Trumbull reserves the right to award the bid with multiple items:
 - to more than one bidder, based on meeting the item(s) specification, cost, availability, or any combination of these criteria;
 - to a single bidder who meets the specifications for all items, and offers the best combination of lowest cost, best availability, and broadest product range;
 - May add, subtract or delete any item and/or quantity as deemed in the best interest of the Town.
3. The Bidder must not discriminate, nor permit discrimination, against any person on the grounds of race, color, national origin, religion, sex, handicap, or veteran status, in their employment practices, in any of their contractual arrangements, in all service and accommodations they offer to the public, and in any of their other business operations.
4. The successful bidder MUST secure all required permits (local, state, federal) prior to commencing work on the site.
5. Award of this bid, either partial or in its entirety, is contingent upon funding approval by the applicable boards of the Town of Trumbull, including state and federal agencies.
6. If total project exceeds \$100,000 prevailing wage rates shall apply.
7. The Contractor shall have a minimum of five (5) years of experience in each application listed in this bid. Experience shall include but not be limited to Polymer Modified Asphalt Surface Sealer as applied to chip-seal, utilizing PASS-CR to the satisfaction of their clients. Contractors shall list and have successfully completed at least five (5) projects for each process.

FINAL INSPECTION

Upon written notice from the Contractor that the project is complete, the Town’s Engineer or its designee will make a final inspection with the Contractor and will notify the Contractor in writing of any deficiencies in the project. The Contractor shall correct all deficiencies before final acceptance and payment is made.

FINAL INSPECTION FOR PAYMENT

After the Contractor has corrected all deficiencies to the satisfaction of Town’s Engineer, the Contractor may make application for final payment following the procedure for progress payments.

PERFORMANCE ISSUES

The Town will hold the Contractor responsible for meeting all contractual obligations. If performance issues arise, the Town will schedule a meeting regarding the contractual deficiencies and the Contractor will be responsible for providing a written correction action plan within two (2) working days from meeting.

DETAILED SPECIFICATIONS – CHIP SEAL

- The application of aggregate shall meet all State of Connecticut Department of Transportation standards and specifications.
- The work shall be done in the following order:
 - Preparing the pavement surface,
 - Applying the Polymer Modified Asphalt Surface Sealer,
 - Applying aggregate,
 - Rolling the aggregate,
 - Sweeping up and disposing of excess aggregate off the job site.
 - Prior to chip seal operations, the Contractor shall sweep the entire surface with vacuum assisted power brooms.
 - Prior to Chip Seal operation, the Contractor shall remove any and all vegetation within the limits of the chip seal by applying approved herbicide.
 - Remove all existing thermoplastic striping, legends, and raised pavement markers, as well as any excessive adhesive left of the pavement.
 - Cover all personal covers, drain inlet covers, or other utility covers with either cut to fit plastic sheets or plastic bags. All traces of plastic, residual emulsion, and chips shall be removed.
- Application
 - Prior to chip seal operations, the Contractor shall sweep the entire surface with vacuum assisted power brooms
 - The application of Polymer Modified Asphalt Surface Sealer shall be applied when ambient temperature is about forty (40) degrees Fahrenheit and rising. The polymer modified asphaltic rejuvenating emulsion shall not be placed if the ambient temperature during the twenty four (24) curing period is expected to be below twenty five (25) degrees Fahrenheit.
 - Application shall be with a distributor truck to the pavement surface at a rate of .20 to .50 gallons per square yard. For cul-de-sacs, turnout pockets, elbows and curve returns the use of the hand hose may be required.
 - 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 (20) feet wide in a single pass.
- The aggregate screening rate of application and corresponding emulsion spread rates shall conform to the following:

<u>Aggregate Application Rate</u>	<u>Emulsion Spread Rate</u>
For Grading A= 19 – 24 lbs./sy	.23 gals/sy - .26 gals/sy
For Grading B= 23 – 27 lbs. /sy	.26 gals/sy - .31 gals/sy
For Grading C= 25 – 31 lbs. /sy	.29 gals/sy - .38 gals/sy
- Compaction shall be done by self-propelled 25,000 lbs. pneumatic-tired roller.
- The pneumatic-tired roller shall be in good working condition and actively rolling at all times during the chip seal operation.
- Power sweeping shall be done after chip seal operation to remove any excess loose aggregate.

- The Contractor shall wait a minimum of one day after the chip seal application before applying other surface treatments.
- **Equipment**
 - The following equipment to be used for the chip seal shall be as follows:
 - A. Sweepers shall be 4-wheel high dump models with a minimum capacity of four (4) cubic yards and capable of depositing debris into a dump truck. Sweepers shall be a filtered and pumped system with sufficient nozzles to adequately control dust, including as a minimum nozzle across the front and/or along the main broom and at least two (2) nozzles at the gutter broom.
 - B. An asphalt distributor for application of the emulsion sealer shall have a full circulation spray bar that is adjustable to at least sixteen (16) feet wide in one (1) feet increments and capable of heating and circulating the emulsion simultaneously. It must have a computerized rate control for adjusting and controlling the application from the cab that is adjusting .01 gallons per square yard increments.
 - C. A self-propelled aggregate spreader with front discharge that can evenly distribute aggregate.
 - D. A minimum of one (1) pneumatic roller weighting at least five (5) tons each.
- **Material**
 - The asphalt emulsion shall be a polymer modified rejuvenating emulsion with latex polymer, rejuvenating agent and asphalt and shall meet the following specifications;
 - PA-AS- 1 a product of Polymer Science of America, or owner approved equal
 - Stone should be trap rock and sieve analysis need to be provided. For example:

Aggregate Size	Emulsion Spread Rate
1/4 inch trap rock	.23 - .35 gallons per square yard
3/8 inch trap rock	.33 - .40 gallons per square yard
1/2 inch trap rock	.45 - .60 gallons per square yard
1/2 inch minus from screened millings	.4 - .55 gallons per square yard

- **Payment**
 - Payment shall include full compensation for furnishing, labor, materials, equipment, and incidentals, pre-sweeping, post-sweeping, cleaning surface, mixing, applying emulsion, and disposal.
 - For sweeping, payment shall be based upon an hourly rate. “Per hour” is defined as the time spent cleaning Town roads per sweeper with operator. For instance, two sweepers with operators working in tandem from 7AM to 3PM will be paid for 16 hours total. Commuting time to and from Trumbull shall not be considered in the “per hour” rate.

FOG SEAL

- **Description** This work shall consist of furnishing all materials, equipment, labor and preparation necessary for the application of a light coating of asphalt emulsion to an existing or newly constructed pavement or chip sealed surface.
- **Materials.** Asphalt emulsion SS-1, SS-1h, CSS-1, CSS-1h or PASS QB diluted with up to 50 percent water. Water shall be clean and clear and free of incompatible soluble salts or minerals.
- **Equipment.** Provide equipment conforming to the requirements of this section.

- Obtain approval of equipment before starting the job.
- Use equipment for asphalt emulsion distribution ensure that it has a computerized rate control that automatically adjusts the emulsion pump to the unit ground.
- Furnish accurate thermometers for determining any of the applicable temperature requirements of this specification.
- **Weather Limitations**
 - Place the fog seal when the pavement and atmospheric temperature is 60°F (16°C) or above and the atmospheric temperature is 70° F (24°C) or above. Do not schedule the performance of this work for the time period before May 1 or after November 1. Do not place fog seal if any of the following conditions exist:
 - A. Impending weather conditions do not allow for proper curing or if temperatures are forecasted below 50°F (10°C) within 24 hours from the time of work.
 - B. The existing pavement temperature is 140°F (60°C) or above.
 - C. The pavement surface is wet or rain is forecasted within 24 hours of placement.
- **Surface Preparation**
 - The Contractor shall clean the pavement surface prior to placement with a power broom or road sweeper. Clean any muddy or dirty areas by flushing with water. Allow surface to dry completely prior to applying asphalt emulsion.
- **Application of Asphalt Emulsion.** The Contractor shall follow the construction methods as described.
 - Apply the asphalt emulsion at the target rate(s) established during the test strip.
 - Maintain the asphalt emulsion temperature from 150 to 185°F (65 to 85°C) during construction, including the start of each day. Reheat the asphalt emulsion at a rate of no more than 25 °F (14°C) per hour, when the asphalt emulsion is allowed to cool below 150°F (65°C).
 - If the target application rates are not the optimum application rates to achieve proper coating of the existing or newly constructed pavement or chip sealed surface or the break time is too long or short, immediately notify the Engineer. Adjust and document the new application rate by stationing.
 - Do not allow the asphalt emulsion to streak on the road surface. If the Engineer determines that streaking is occurring, cease operations until the Engineer is satisfied that streaking has been eliminated.
 - For chip seal surfaces, apply the asphalt emulsion to all exposed areas of asphalt or chip sealed surface as directed.
 - Unless otherwise specified in the Contract Documents, maintain adequate lanes of traffic.
 - Traffic shall be considered incidental to the performance of this item.
- **Asphalt Emulsion Application Rates**
 - Gallons per Square Yard**
 - Material Asphalt
 - Chip Seal
 - Surface
 - 50% Diluted Emulsion 0.03 – 0.11 0.06 – 0.15
- **Acceptance**

- During the application of the fog seal, inspect the fog seal for deficiencies resulting from poor workmanship, flushing, tracking from equipment, surface patterns, and sweeping. Inspect workmanship for untreated areas, minimum overlap on longitudinal joints, and minimum overlap on construction joints.

Verify the following for daily acceptance:

- A. Fog seal edge is neat and uniform along the roadway lane, shoulder, and curb lines.
 - B. Fog seal has no surface patterns such as lean or heavy lines.
 - C. Fog seal has no bleeding/flushing areas.
 - D. Fog seal uniformly covers all portions of chip seal surface.
 - E. Perform all corrective work to the satisfaction the Engineer.
- **Method of Measurement:** The Department will measure Fog Seal by the number of square yards treated
 - **Traffic Control:** The Town will supply certified flaggers to maintain traffic control.

COLD MIX

The Town of Trumbull will supply road millings and a work area to screen and process such millings per this bid. The Town will also supply material for fine grading.

- **Description:** This work shall consist of the construction of one or more courses of cold mix asphalt produced in a central plant. It shall be constructed in accordance with these specifications and in close conformity with the lines, grades, thickness, and typical cross section shown on the plans or established by the Engineer.
- **Materials:** The cold mix asphalt shall be composed of a mixture of RAP and emulsified asphalt binder as specified below:
- **Cold Mix Asphalt Pavement (Recycled):** This cold mix asphalt shall be manufactured using Recycled Asphalt Pavement (RAP). The RAP shall meet the following requirements:

Sieve Size	Percent Passing
1"	100
3/4"	90-100

All RAP shall meet the requirements of the Connecticut Department of Transportation Standard Specification for fine and coarse aggregates.

The emulsified asphalt binder used shall be PASS - R[®] emulsion. PASS- R[®] is a solvent free asphalt emulsion. No emulsion substitution shall be permitted. The emulsion must be solvent free and remain workable and stockpile stable for a minimum of seven (7) days after production. A minimum of 2.0% emulsified asphalt binder by weight shall be incorporated into the mixture.

- **Cold Mix Asphalt Pavement – Dense Graded:** This cold mix asphalt shall be manufactured using RAP aggregates. It shall meet the following requirements:

	Type 1	Type 2
Sieve Size	Percent Passing	Percent Passing
25 mm	100	100
12.5 mm	90-100	100

6.3 mm	20-100	90-100
2.36 mm	15-70	30-70
850 µm	10-40	10-40
425 µm	5-22	5-22
180 µm	1-7	1-11
75 µm	0-3	0-3

All aggregates shall meet the requirements stated in Article M.04.01 of the standard specifications. The emulsified binder used shall be a PASS- R[®] emulsion. For the dense graded Type 1 mix, 2.0% to 3.0% emulsified asphalt binder by weight shall be incorporated into the mixture. For the dense graded Type 2 mix, 2.2% to 3.5% emulsified asphalt binder by weight shall be used.

▪ **Mix Design and Submission Requirements:** The Contractor shall submit the following information to the Town a minimum of seven (7) calendar days prior to the start of operations:

1. Product information from the supplier of the emulsified asphalt PASS- R[®] liquid binder.
2. A copy of all calculations which were done to determine the mix design. State the mix design procedure in accordance with industry standards and the design requirements. This submission shall include the recommended degree of in-place compaction for each mix designed. Recycled mixes, unless determined otherwise in the design submission, shall be compacted to the requirements specified below.
3. A list of the specific equipment proposed including personnel and their respective duties.
4. M.S.D.S. Sheets

All mix designs and submission requirements must be approved in writing by the Town prior to the start of operations.

▪ **Equipment:** All cold mix asphalts under this specification shall be produced with a central continuous or batch type pugmill designed to accurately proportion mixture ingredients either by volume or weight, so that when aggregate and bituminous materials are incorporated in the mix, a thorough and uniform coating will result. The mixer shall be equipped to mechanically or electrically interlock the bituminous feed with the aggregate feed such that uniformity of the mixture is maintained at all times. The pugmill mixer shall be provided with weighing, equipment which shall be capable of providing accurate control at all times of the amount of aggregate entering the mixer per time interval. The mixer shall be equipped with a positive displacement metering system capable of totaling the quantity of bituminous material applied to the mixing chamber.

- The mixture shall be transported from the mixing plant to the job site in trucks having tight bodies cleaned of all foreign material. Truck body coatings may consist of soapy water type solutions. Loaded trucks shall be tightly covered with waterproof canvas or other suitable covers. Mesh type covers are prohibited. Both the front and rear of the cover must be fastened to minimize air infiltration.
- The mixture shall be placed with conventional paving equipment of the self-powered type. The paver shall have a sufficient amount of driving wheels so there will be no undue amount of slippage during placement of the mixture. The screed or strike-off member shall be adjustable to the thickness and shape of the cross-section of the specified lift of pavement to be placed. The paver shall be equipped with automatic grade and slope screed controls with sensors for either or both sides of the paver which shall be utilized on all paving lifts. The transverse slope controller shall be capable of maintaining the screed at the desired slope within ± 0.1 percent. In areas or situations

where using automatic grade and slope controls are impractical, the use of such equipment may be waived by the Engineer.

- The mixture shall be compacted with self-propelled steel wheel static, steel wheel vibratory, and pneumatic tire rollers. The number, type, size, and method of use shall be determined in the “Mix Design and Submission Requirements” specified herein. The weight of any roller used shall not be less than five (5) tons. Unless otherwise approved in the design submission, compaction equipment for recycled mixes shall consist of a large pneumatic tired roller of 16,000 lbs. or more, and a double drum vibratory roller of 8 tons or more.
- All other equipment needed to insure the proper manufacture, transportation, preparation of existing surface, laydown, and compaction of cold mix asphalt shall be provided to complete the work.
- **Construction Methods:** The cold mix asphalt operation shall proceed in accordance with the requirements of the “Maintenance and Protection of Traffic” and “Prosecution and Progress” specifications.
 - The manufacture and placement of cold mix asphalt shall not be performed when the atmospheric temperature is below 50°F (10° C) or when the weather is foggy or rainy or when weather conditions or predicted weather conditions are such that in the judgement of the Engineer, proper mixing, spreading and compacting of the cold mix asphalt cannot be accomplished.
 - The roadway surface to be covered shall be free from excessive or large holes, depressions, bumps, waves and corrugations. Any unsuitable surface areas shall be repaired by replacement of the unstable materials or by patching with material to produce a tight surface having the same elevation as the surrounding surface. There may be areas where key cuts are required. Key cuts are to be made with a 24” drum. Such areas shall be identified by the Engineer. Unless otherwise specified, the cost of repairing these areas shall be included in the cost of the work specified herein.
 - If the cold mix asphalt is to be placed on an existing pavement, the surface shall be clean of all foreign material and debris prior to placement of the cold mix asphalt. Prior to cold mix asphalt installation, areas shall be tack coated.

ASPHALT PRICE ADJUSTMENTS:

1. Asphalt Price Adjustments allowed will be based on the February 1, 2019 average of F.O.B terminal price per ton of unmodified PG 64-22 binder without anti-stripping agent (base average F.O.B. terminal price). The new monthly average terminal price will be determined by the Connecticut Department of Transportation based on prices of performance graded binder in accordance with the State of Connecticut Dept. of Transportation Standard Specification.

The February 1, 2019 average is \$495.00 per ton.

NOTE: The same grade of asphalt cement used in establishing the base average F.O.B. terminal price shall be used in establishing the new average F.O.B. terminal price.

<http://www.ct.gov/dot/cwp/view.asp?a=1410&q=399708>

2. The new average F.O.B. terminal price will be determined based on the above F.O.B. terminal prices that are posted on the 1st of each month, hereafter known as the “Adjustment Date”, During the contract period starting with (Month) 1, 20(). However, Asphalt Price Adjustments, in accordance with the formula below, will be effective for deliveries made on and after the first of the month (i.e., February 1, 2019) following the adjustment date.

The unit prices of bituminous materials purchased from any award based on this specification will be subject to adjustment based on the following formula:

$$\begin{array}{rclclcl} \text{Price} & & & \text{Base Average} & /235 & \times & \text{Total} \\ \text{Adjustment} & = & (\text{New} & \text{Terminal} & & & \text{Allowable} \\ \text{(Per gallon)} & & \text{Monthly} & \text{Price} &) & & \text{Petroleum\%} \\ \text{Average FOB} & & \text{Terminal} & & & & \\ & & \text{Price} & & & & \end{array}$$

The allowable petroleum % for PASS is 64% + 4%=68% Total Petroleum Allowance.

Contract Rollover - Upon mutual request, the terms of this contract may be extended on a yearly basis. Price fluctuations will be allowed for liquid asphalt prices only. Asphalt prices will be determined by the state of Connecticut website: <http://www.ct.gov/dot/lib/dot/document/dconstruction/asphalt.pdf>

The asphalt adjustment cost will be based on the variance in price for the liquid asphalt component for contract bid items.

The Asphalt Price is available on the Department of Transportation Website; <http://www.ct.gov/dot/asphaltadjustment>

P / 235 x 0.67 x 0.33 X (QUANTITY IN SQUARE YARDS) / \$ _____

Where: P = [Period Price – Asphalt Base Price]

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APPLICATION OF POLYMER ASPHALT SURFACE SEALER – “CHIP SEAL”**

RE-BID-RFP # 6338 DUE: JULY 2 2019 at 2:00 PM

STATEMENT OF QUALIFICATIONS (To be submitted with proposal)

Submitted by:

Name of Organization _____

Name of Individual _____

Title _____

Address _____

Telephone _____ Fax: _____ Cell: _____

General Business Information

Check If: Corporation Partnership Joint Venture Sole Proprietorship

If Corporation:

a. Date and State of Incorporation

b. List of Officers

Name Title

If Partnership

a. Date and State of Organization

b. Names of Current General Partners

c. Type of Partnership

General Publicly Traded

Limited other (describe): _____

If Joint Venture:

a. Date and State of Organization

b. Name, Address and Form of Organization of Joint Venture Partners: (Indicate managing partner by an asterisk*)

If Sole Proprietorship:

a. Date and State of Organization

b. Name and Address of Owner or Owners

1. On Schedule A, attached, list major engineered construction projects completed by this organization in the past five (5) years. (If a joint venture list each participant's projects separately).

2. On Schedule B, attached, list current projects under construction by this organization. (If joint venture, list each participant's projects separately).

3. Name of Surety Company and name, address, and phone number of agent.

4. Is your organization a member of a controlled group of corporations as defined in I.R.C. Sec. 1563?

Yes ___ No ___

If yes, show names and addresses of affiliated companies.

5. Furnish on Schedule C, attached, details of the construction experience of the principal individuals of your organization directly involved in construction operations.

6. Has your organization ever failed to complete any construction contract awarded to it?

Yes ___ No ___

If yes, describe circumstances on attachment.

7. Has any Corporate officer, partner, joint venture participant or proprietor ever failed to complete a construction contract awarded to him or her in their own name or when acting as a principal of another organization?

Yes____ No ____

If yes, describe circumstances on attachment.

8. In the last five years, has your organization ever failed to substantially complete a project in a timely manner?

Yes____ No ____

If yes, describe circumstances on attachment.

I hereby certify that the information submitted herewith, including any attachment is true to the best of my knowledge and belief.

Name of Organization: _____

By: _____

Title: _____

Dated: _____

**TOWN OF TRUMBULL
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REFERENCES

(To be submitted with proposal – attach additional pages as necessary)

List references for similar services provided for at least four (4) clients in the past five (5) years (attach any other client references if desired). **PLEASE NOTE IT IS THE TOWN'S INTENT TO COMMUNICATE WITH THE REFERENCES LISTED HEREIN.**

CLIENT 1:

Organization Name: _____
Contact Name: _____ **Phone:** _____
Service Dates: _____
Project(s): _____

CLIENT 2:

Organization Name: _____
Contact Name: _____ **Phone:** _____
Service Dates: _____
Project(s): _____

CLIENT 3:

Organization Name: _____
Contact Name: _____ **Phone:** _____
Service Dates: _____
Project(s): _____

CLIENT 4:

Organization Name: _____
Contact Name: _____ **Phone:** _____
Service Dates: _____
Project(s): _____

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SUBCONTRACTORS

THE PROPOSER SHALL STATE THE NAMES OF ALL OF ALL PROPOSED SUBCONTRACTORS (to be submitted with proposal)

PROPOSED SUBCONTRACTORS

If none, write "None" _____.

*Description of Work _____

Proposed Subcontractor Name _____

Address _____

*Description of Work _____

Proposed Subcontractor Name _____

Address _____

*Description of Work _____

Proposed Subcontractor Name _____

Address _____

*Description of Work _____

Proposed Subcontractor Name _____

Address _____

*Insert description of work and subcontractors' names as may be required.

This is to certify that the names of the above mentioned subcontractors are submitted with full knowledge and consent of the respective parties.

The Proposer warrants that none of the proposed subcontractors have any conflict of interest as respects this contract.

Proposer _____
(Fill in Name)

By _____
(Signature and Title)

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PROPOSAL

Proposal of _____ (hereinafter called "Proposer, Bidder"), organized and existing under the laws of the State of Connecticut, doing business as to the Engineering Department, Town of Trumbull, Connecticut (hereinafter called the "Owner").

In compliance with your Advertisement for Proposals, Proposer hereby proposes for the **Application of Polymer Asphalt Surface Sealer – “Chip Seal”**, in the Town of Trumbull, Connecticut together with all related incidental and appurtenant work as described in the specifications or outlined and/or shown on the exhibits. The work is to be done in strict accordance with the Specifications, Drawings and all Contract Documents, within the time set forth therein, and at the prices stated on the Proposal Schedule.

By submission of this Proposal, each Proposer certifies, that this Proposal has been arrived at independently, without consultation, communication, or agreement as to any matter relating to this Proposal with any other Proposer or with any competitor.

Proposer further agrees that they will provide and sustain the Insurance Policies as required.

Proposer acknowledges receipt of the following Addendum:

Proposer understands that the Owner reserves the right to reject any or all proposals and to waive any informality in the bidding.

Proposer agrees that this proposal shall be good and may not be withdrawn for a period of ninety (90) calendar days after the scheduled closing time for receiving proposals.

Please note: Quantities range in this bid are for determining the low bidder(s) for each of the Base Bid, Alternate 1, and Alternate 2. The Town will consider and evaluate all options. Actual quantities will be based on actual needs of the Town. The award will be based on quantities and criteria that is in the best interest of the Town. The Town reserves the right to award work to more than one bidder based on the overall value, and/ or if the Primary low bidder cannot respond to requests on an as needed basis.

BID FORM - Bidder will complete the Work in accordance with the **Technical Specifications** for the following price(s):

Item Description	Base Bid: Over 15,500 SY	ALTERNATE 1: 7,801-15,500 SY	ALTERNATE 2: 2,401-7,800 SY
1. Complete in place Chip Seal using ½” trap rock	\$ _____ per SY	\$ _____ per SY	\$ _____ per SY
2. Complete in place Chip Seal using 3/8” trap rock	\$ _____ per SY	\$ _____ per SY	\$ _____ per SY
3. Complete in place Chip Seal using ¼” trap rock	\$ _____ per SY	\$ _____ per SY	\$ _____ per SY
4. Complete in Place Chip Seal using ½ minus screened from RAP	\$ _____ per SY	\$ _____ per SY	\$ _____ per SY
5. Complete in place Chip Seal using recycled 3/8” trap rock	\$ _____ per SY	\$ _____ per SY	\$ _____ per SY
6. Complete in place Chip Seal using recycled ¼” trap rock	\$ _____ per SY	\$ _____ per SY	\$ _____ per SY
7. Complete in place Chip Seal using recycled ½” trap rock	\$ _____ per SY	\$ _____ per SY	\$ _____ per SY
8. Option to provide road sweeping services per machine:	\$ _____ per Hour	\$ _____ per Hour	\$ _____ per Hour
9. Fog Seal installed with SS-1, SS-1h, CSS-1, CSS-1h at	\$ _____ per SY	\$ _____ per SY	\$ _____ per SY
10. Fog seal installed with PASS-QB at	\$ _____ per SY	\$ _____ per SY	\$ _____ per SY
11. Crushing of millings (RAP)	\$ _____ per ton	\$ _____ per ton	\$ _____ per ton
12. Segregating ½” minus from millings to be used for chip seal	\$ _____ per ton	\$ _____ per ton	\$ _____ per ton
13. Production of Cold Mix per ton measured by pug mill discharge display	\$ _____ per ton	\$ _____ per ton	\$ _____ per ton

14. Complete installation of Cold Mix	\$ _____ per ton	\$ _____ per ton	\$ _____ per ton
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Bidder to provide the minimum notification requirement when Application of Polymer Asphalt Surface Sealer – “Chip Seal” is requested by the Town below:

_____ HOURS

The Town has the right to add or remove items and/or quantities from this bid. Unbalanced bids will not be accepted. The Town of Trumbull reserves the right to award the bid with multiple items:

- a) To more than one bidder, based on meeting the item(s) specification, cost, availability, or any combination of these criteria;
- b) To a single bidder who meets the specifications for all items, and offers the best combination of lowest cost, best availability, and broadest product range;
- c) May add, subtract or delete any item and/or quantity as deemed in the best interest of the Town.
- d) All pricing shall include the cost of labor, materials, equipment, tools, mobilization, incidentals, delivery, (where not waived by the Town), licenses, overhead and profit, taxes (except from which the Town is exempt) and insurances.

**PROPOSAL – Application of Polymer Asphalt Surface Sealer – “Chip Seal”
 (Continued)**

The undersigned hereby declares that in regard to all conditions affecting the work to be done and the labor and materials required, this proposal is based on his investigations and findings, and the Town of Trumbull and the Engineers and their officers, agents and employees shall not in any manner be held responsible for the accuracy of, or be bound by any estimates, borings, water or underground conditions relative to the proposed work, indicated in this or in the other contract documents; that no warranty or representation has been made by the Town of Trumbull or the Engineers or their officers, agents and employees as to subsurface soil or rock conditions, ground water, or other underground and similar conditions; nor has any representation or warranty been so made that the estimated quantities to be used for comparison of proposals will even approximate the actual quantities or materials and work which the Contractor may be required to furnish or perform.

 Company Name

 By (Signature)

 Address

 Print Name

 City, State, Zip code

 Title

 Phone #Work / Cell

 FAX

 EMAIL

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PROPOSAL (continued)

(SEAL-if proposal is by a corporation)

Note: Insert Proposer's name. If a corporation, give the State of Incorporation using the phrase, "A corporation organized under the laws of

_____, composed of officers as follows:

President

Secretary

Vice President

Treasurer

If a partnership, give names of partners, using also the phrase, "co-partners trading and doing business under the firm name and style of _____, composed of partners as follows:

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NON-COLLUSION AFFIDAVIT OF PRIME BIDDER

State of _____)

) SS:

County of _____)

_____, being first duly sworn,

1. He is _____ of
The bidder that has submitted the attached bid.
2. He is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances respecting such bid.
3. Such price is genuine and is not a collusive or sham bid.
4. Neither the said Bidder nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly with any other Bidder, firms or person to submit a collusive or sham Bid in connection with the Contract for which the Contract, or has in any manner, directly or indirectly, sought by agreement or collusion or communications or conference with any other Bidder, firm or person to fix the proceeds or prices in the attached Bid or of any other Bidder, or to fix any overhead, profit or cost element of the Bid price or the Bid price of any bidder, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage, against the Town of Trumbull, (Owner) or any person interested in the proposed Contract; and
5. The price or prices quoted in the attached Bid are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Bidder or any of its agents, representatives, owners, employees, or parties in interest including this affiant.

Signed _____

Title

Subscribed and sworn to before me this _____ day of _____, 20

Title

My Commission Expires

END OF BID