

TOWN OF MORRIS, CONNECTICUT

HIGHWAY DEPARTMENT

CHIP SEAL SURFACE TREATMENT BID PACKAGE – 2026-2028

The Town of Morris Highway Department is requesting bids for the furnishing of all labor, insurance, materials, equipment, and traffic control necessary to perform chip seal surface treatment on various town roads.

Bids And Proof Of Insurance Must Be Received Via Email Or Dropped off to the First Selectman's Office By: Thursday April 16, 2026, 3:30 PM.

Email: selectmen@morrisct.gov

Address: 3 East Street Morris CT 06763

Notes: The Road Work Must Be Completed In The Month Of June

The Highway Department will pre sweep and prepare the roads to the best of our abilities. Town Crew will provide a front end loader and Storage area at the Town Garage for stone and oil trucks. Final surface preparation (day of) shall be the contractors responsibility.

Road Schedule – Base Bid

Road	Length (ft)	Width (ft)
Woodward Rd	1,536	24
Farnham Rd	1,728	20
E. Chestnut Hill Rd	1,808	20
Esthers Ln	1,691	21
Memorial Park	730	20
Curtiss Hill Rd (back side)	2,977	22

Estimated Area: ~24,800 Square Yards

Add Alternate – Budget Permitting

Road	Length (ft)	Width (ft)
East Shore Rd	13,514	24

Estimated Area: ~36,000 Square Yards

Material Specifications

PASS Oil

PASS Oil polymer-modified asphalt emulsion meeting CTDOT Form 816 Section 404. The final application rate shall be determined in the field based on road conditions and approved by the Public Works Director.

CRS-2P

CRS-2P polymer modified rapid set asphalt emulsion meeting CTDOT Form 816 Section 404. Application rate to be set in the field based on road condition and approved by the Director of Public Works.

Cover Aggregate

Aggregate shall be 1/4 inch clean crushed stone meeting CTDOT M.04.01 requirements. Application rate to be set in the field based on road conditions.

Fog Seal

Fog seal shall consist of diluted asphalt emulsion meeting CTDOT Section 4.09 requirements. Fog seal shall be applied after chip seal has cured and loose stone has been swept.

Length of Contract

The Town of Morris is requesting bid proposals for the time period beginning June 1st 2026 until June 30, 2028. The Town of Morris reserves the right to negotiate with the Contractor selected, additional periods beyond June 30, 2028 if deemed to be in the best interest of the Town. **This is a two-year bid.**

TECHNICAL SPECIFICATIONS

CHIP SEAL

1. Scope of Work

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;

- Prior to Chip Seal operation, the Town shall sweep all roads as many times as necessary before that road is Chip Sealed. The day of the Town will provide a turbine blower.
- Preparing the pavement surface,
- 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
- Applying the Polymer Modified Asphalt Surface Sealer,
- Applying aggregate,
- Rolling the aggregate,
- The Town of Morris will sweep the loose stone and dispose of.
- Traffic control will be provided by the contractor. At least two traffic control persons must be supplied unless more are needed. The Town of Morris will provide the additional flaggers as needed.

2. Application

- The application of Polymer Modified Asphalt Surface Sealer shall be applied when ambient temperature is 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 a 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;
- Aggregate Application Rate Emulsion Spread Rate
 - 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.

3. Equipment

The following equipment to be used for the chip seal shall be as follows;

- A. Sweepers shall be capable of depositing debris into a dump truck.
- B. An asphalt distributor for application of the emulsion sealer.
- C. A self-propelled aggregate spreader with front discharge that can evenly distribute aggregate.
- D. A minimum of one (1) pneumatic roller.

4. 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 needs to be provided. For example: Aggregate Size Emulsion Spread Rate

Aggregate Size:
1/4-inch trap rock
3/8-inch trap rock

Emulsion Spread Rate:
.23 -.35 gallons per square yard
.33 - .40 gallons per square yard

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.
 - a) Obtain approval of equipment before starting the job.
 - b) Use equipment for asphalt emulsion distribution ensure that it has a computerized rate control that automatically adjusts the emulsion pump to the unit ground.
 - c) 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 in conjunction with the town 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 Road Foreman. Adjust and document the new application rate by stationing.
- Do not allow the asphalt emulsion to streak on the road surface. If the Road Foreman determines that streaking is occurring, cease operations until the Road Foreman 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.

· **Escalation/de-escalation**

The Town will allow an escalation/de-escalation for Fog Seal.

(Current Market Price – Base price at Bid)/235 (gallons per ton) x 59.2% (adjustment factor) x .15 (application rate) = + increase or - decrease per square yard.

· **Acceptance of Fog Seal**

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.
- c. Fog seal uniformly covers all portions of chip seal surface.
- d. Perform all corrective work to the satisfaction the Road Foreman.

· **Method of Measurement:**

The Department will measure Fog Seal by the number of square yards treated

• **Traffic Control:**

Contractor shall supply adequate number of certified flaggers to maintain traffic control.

ASPHALT PRICE ADJUSTMENTS:

1. Asphalt Price Adjustments allowed will be based on the March 1, 2026 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.

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, 2026 and 2027. 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., March 1, 2026, and March 1, 2027) 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:

Price - Base Average /235 X Total Adjustment = (New Terminal Allowable (per gallon) Monthly Price) Petroleum% Average FOB Terminal Price

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>

$P / 235 \times 0.67 \times 0.33 \times (\text{QUANTITY IN SQUARE YARDS}) /$

\$ _____ Where: P = [Period Price – Asphalt Base Price]

**BID SCHEDULE
FOR
CHIP SEAL PROGRAM
June 1, 2026 through June 30, 2028**

The undersigned declares that he/she has thoroughly reviewed the specifications and all other bidding documents, and that, if his/her bid is accepted, he/she will complete the work for the Town of Morris and that he/she will take in full payment therefore, The unit prices set forth below are inclusive of all labor, materials, equipment, technical service, insurances, warranties, taxes licenses and fees to furnish, deliver and install the materials specified:

IN DOLLARS IN WRITING

1.) Complete in place Chip Seal with PASS-CR & 1/4" clean stone

\$ _____ per sq. yard _____ per sq. yard

2.) Complete in place Chip Seal with PASS-CR & 3/8" clean stone

\$ _____ per sq. yard _____ per sq. yard

3.) Complete in place Chip Seal using PASS-CR & 1/4" recycled stone

\$ _____ per sq. yard _____ per sq. yard

4.) Complete in place Chip Seal using PASS-CR & 3/8" recycled stone

\$ _____ per sq. yard _____ per sq. yard

5.) Complete in place Chip Seal with CRS 2-P & 1/4" clean stone

\$ _____ per sq. yard _____ per sq. yard

6.) Complete in place Chip Seal with CRS 2-P & 3/8" clean stone

\$ _____ per sq. yard _____ per sq. yard

7.) Complete in place Fog Sealing – CSS-1h

\$ _____ per sq. yard _____ per sq. yard

8.) Complete in place Fog Sealing – PASS-QB

\$ _____ per sq. yard _____ per sq. yard

9.) Provide road sweeping services per machine

\$ _____ per hour _____ per hour

The undersigned is familiar with the conditions surrounding this call for bids, is aware that the Town of Morris reserves the right to reject any and all bids, is submitting this bid without collusion with any other person, individual or corporate.

Title: _____

Signature: _____

Printed Name: _____

Address: _____

Phone: _____

Date: _____

Email: _____

