

**BID FOR SCRUB SEAL WITH FOG SEAL
OVER ASPHALT ROAD PROJECTS – 2022**

General Information for Bidders

Sealed bids must be received by 9:00 a.m., Thursday March 10, 2022 at the Wascott Town Hall as stated in the public notice and advertisement for bids. **All bids shall be placed in a sealed envelope and be clearly marked as “2022 Scrub Seal Bid w/Fog Seal”.** Bids may be mailed to: Jeannette Atkinson, Clerk/Treasurer, Town of Wascott, PO Box 159, Wascott, WI 54890.

Awarding of bid will occur at the Town of Wascott’s Special Town Board Meeting on Thursday, March 10, 2022 at 9:00 a.m. Bids may be considered for acceptance for a period of 30 days after the bid opening.

The bid must comply with all material requirements of the bid invitation and specifications. The Town reserves the right to reject any bid determined by the Town to be nonresponsive. The Town reserves the right to reject any or all bids or portions of bids as determined to be in the best interest of the Town of Wascott. The Town maintains the right to determine the number of miles to be performed.

Depending on the costs of the proposed projects and budget limitations, the Town of Wascott may need to eliminate some roads from a final contract. The Town reserves the right to withdraw roads or segments of a roadway prior to bid award.

A written notice of award will be given to the successful bidder. The bidder(s) are required to execute the public contract and furnish required Certificates of Insurance within ten (10) calendar days from the date of the notice of award.

Insurance – Prior to beginning work, the contractor shall furnish and deliver to the Town Clerk, a Certificate of Insurance for Worker’s Compensation and an umbrella certificate of liability and property insurance in the minimum amount of \$3 million dollars, and shall notify the Town Clerk immediately of any cancellations or change in insurance coverage.

Traffic Control – The contractor will be responsible for all temporary traffic control, including furnishing and maintaining all signs, flags, flag-persons, barricades and lights where required, to protect the safety of the traveling public, all in accordance with the Manual on Uniform Traffic Control Devices (MUTCD) currently adopted by the Federal Highway Administration and the Wisconsin Department of Transportation supplement. All work will be done under traffic unless otherwise directed by the Town.

Payment Schedule – Payment shall be made within 30 days of receipt of a properly completed invoice or receipt and acceptance of the property or service, or in accordance with the payment schedule specified in the public contract. Claims for payment shall be filed with the Town Clerk.

Town of Wascott

Scrub Seal With Fog Seal Over Asphalt Specifications – 2022

Scope of Work to be Performed

1. Scrub Seal shall be 5/16" fractured trap rock aggregate.
2. Asphaltic material used for the seal coat binder shall be polymer bituminous rejuvenating emulsion binder – grade CMS-2P
3. The asphalt and aggregate material shall meet WisDOT Roadway Standard Specifications, Section 475 with the additional aggregate requirement of no more than 1% passing through the #200 sieve.
4. Any patching or filling work to be completed by the Town of Wascott prior to the scrub seal coating in accordance with the Town of Wascott's specifications.
5. Immediately before applying the asphaltic material, the existing surface shall be cleaned with a power broom or other suitable equipment to remove dirt, clay, or other objectionable matter.
6. Apply tack coat only when the air temperature is 36 degrees Fahrenheit or more and the surface is dry and reasonably free of loose dirt, dust, or other foreign matter. Do not apply if weather or surface conditions are unfavorable or before impending rains.
7. Tack coat shall be applied at a rate sufficient to provide 70% embedment of the aggregate chip into the asphalt after the asphalt has cured and the road is open to traffic.
8. Cover previously applied material as required to create transverse joints without overlapping.
9. Treated areas shall be closed to traffic until after the initial rolling of the cover aggregate has been completed.
10. Aggregate shall be applied at a rate to completely cover the treated surface but limited to an amount easily embedded in and bonded by the asphaltic material.
11. The surface shall be rolled immediately after spreading the aggregate, beginning at the edges and continuing to the center, lapping ½ the roller width on each successive pass. After the initial rolling, perform subsequent rolling until the aggregate is thoroughly embedded and the surface is smooth and uniform in texture. Roller speed shall not exceed 5 mph and care should be taken when reversing roller direction to avoid displacing or loosening the cover aggregate, or damaging the asphaltic material. All rolling shall be completed by pneumatic rollers of good operating condition.
12. Final sweeping or vacuuming of the excess material in the treated area shall be done by the bidder.
13. Traffic on the newly placed seal coat shall be limited to 25 mph for 24 hours after the application. Temporary speed limit signs shall be posted and supplied by the contractor and shall be in accordance with the Wisconsin MUTCD.
14. All signing and flagmen to be provided by the bidder per Wisconsin MUTCD standards.
15. Work shall be completed prior to August 31, 2022.
16. All work to be done shall be coordinated with the Town of Wascott Highway Department, giving at least one week notice prior to starting.
17. Bid shall be based on an amount per section road.
18. Fog sealing to be applied after scrub sealing.
19. The Town of Wascott reserves the right to reject any bid determined to be nonresponsive. Further, the Town of Wascott reserves the right to reject any or all bids, or any portion of bid, as determined to be in the best interest of the Town. The list of road sections is subject to change. Listed distances of road sections to be bid, are estimates only.
20. A full width 22' wide broom **shall** be used.

SEE ATTACHED POLYMER SCRUB SEAL SUPPLEMENTAL SPECIFICATIONS

Specified Roads for Scrub Seal With Fog Seal Over Asphalt– 2022

<u>Project #</u>	<u>Road</u>	<u>Estimated Width</u>	<u>Estimated Length</u>	<u>5/16" Fractured Trap Rock Aggregate Cost per sq. yd.</u>	<u>Lump Sum Bid</u>	<u>Cost Per Ton (Alternate)</u>
1	Crystal Lake Road from Marshall Road to Cranberry lake Road	22 Feet	5,861 feet			\$/Ton _____ Est. Tons: _____

Scrub Seal w/Fog Seal shall be done after any Flex Patching.

Note: Work shall be completed by August 31, 2022.

Proposed Source of Aggregate _____

Aggregate Gradation _____

Comments – Please explain any special methods you propose and disclose any specifications you cannot meet. Alternative bids may be submitted, but must be clearly marked as “Alternative Bid”.

Fog Seal Specifications – 2022

Scope of Work to be Performed

Bituminous Fog Seal

Description – This work consists of constructing a fog seal on a prepared surface as shown on the bid.

Materials – Bituminous Material. Provide bituminous emulsion as shown in the plans meeting the following requirements:

- CSS-1h or Equivalent

Dilute during manufacture. Do not dilute in the field.

Construction Requirements

- A. Weather Limitations – Perform fog seal operations only during daylight hours and not during foggy weather. Begin fog seal operations when pavement and air temperatures are 60° F (15.5° C) and rising.
- B. Road Surface Preparation – Contractor will use a motorized broom to broom pavement before fog sealing to remove loose rock chips. Cover metal surfaces to prevent adherence of the bituminous material. Remove the protective coverings before opening the road to traffic.
- C. Application of Bituminous Material – Begin using the rate of application for bituminous fog seal as shown in Table 2355-1, Fog Seal Application Rates, and within the temperatures specified in Table 2355-3, Fog Seal Application Temperatures. Demonstrate a uniform application of asphalt emulsion producing 100 percent coverage of the surface after curing. Stop operations if the application demonstration does not meet the coverage requirements. Minimize the amount of overspray during the fog seal operation. Using a distance of 1,000 feet (300 meters) perform a yield check at the beginning of each project to verify the application rate is correct.

**Table 2355-1
Fog Seal Application Rate
Application Rates – gallons/square yard (liters/square meter)**

CSS-1h or Equivalent
0.05 to 0.20 (0.23 to 0.91)

**Table 2355-2
Fog Seal Application Temperatures**

<u>Bituminous Material</u>	<u>Minimum Temperature</u>	<u>Ideal Temperature</u>
CSS-1h or Equivalent	100 ° F (37.7 ° C)	100 ° F - 140 ° F (37.7 ° C - 60 ° C)

- D. The contractor is to lap the center line in both directions 6 inches.
- E. Protection of the Surface – Do not allow traffic on the fog sealed surface until after the bituminous material has set and will not pick up rock chips or emulsion on vehicle tires.
- F. Equipment
 - Distributor – Use a distributor in accordance with 2360.3.B.2.d., “Distributor”.
 - Brooms – Provide motorized brooms with a positive means of controlling vertical pressure and with the capacity to clean the road surface prior to spraying bituminous material.
 - Fog seal will be applied 24 hours after chip/scrub seal and no later than 3 days after chip/scrub seal is completed.

Town of Wascott
PO Box 159
Wascott, WI 54890

BID PROPOSAL
For
SCRUB SEAL WITH FOG SEAL OVER ASPHALT – 2022

Submitted by the undersigned bidder to the Town of Wascott, Douglas County, Wisconsin, in accordance with the advertisement inviting bid proposals, which will be received until **Thursday, March 10, 2022 at 9:00 a.m.** to furnish and deliver all materials, and to do and perform all work for Scrub Seal projects designated in accordance with the Contract documents.

The undersigned bidder, if awarded the Contract, agrees to complete the work on or before the date stated in the specifications.

The undersigned bidder, submitting this proposal, hereby declares and agrees to be bound, and to perform the work, in accordance with all terms, conditions and requirements of the within and foregoing proposal, the Contract, the applicable specifications, the special provisions, and the Advertisement for Bid, are made part, hereof, as fully and completely as if attached hereto.

PROPOSAL Submitted By: _____
(Print Name of Bidder)

Of _____
(Sole Owner, Co-Partnership of Corporation)

Note: If a corporation, incorporated under the laws of the State of _____

Signature of Bidder _____

Mailing Address _____

Phone _____ **Email** _____

Date _____