

**BID FOR SINGLE CHIP SEAL OVER ASPHALT & FOG SEAL – 2018**

**General Information for Bidders**

**Sealed bids must be received by 12:00 Noon, Thursday, March 29, 2018** at the Wascott Town Hall as stated in the public notice and advertisement for bids. Bids may be mailed to: Jeannette Atkinson, Clerk/Treasurer, Town of Wascott, PO Box 159, Wascott, WI 54890. Bid must be submitted using this form.

**Bids will be opened at the Regular Town Board Meeting on Tuesday, April 10, 2018 at 7:00 p.m. and approval on the award of the contract(s) will be considered.** 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.

## **Specifications**

### **BID - SINGLE CHIP SEAL OVER ASPHALT – 2018**

#### **Scope of Work to be Performed**

1. Seal coat shall be 5/16" 100% Fractured Trap Rock.
2. Asphaltic material used for the seal coat binder shall be CRS-2.
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. The asphalt material used for the chip seal coat shall be compatible with cover aggregate, applied in uniform and sufficient quantity to seal the pavement surface and provide bond to the cover aggregate. The contractor shall have instrumentation and controls to monitor and alter the asphalt application rate and temperature. Asphalt material shall be applied in a single pass up to 24'. The asphalt shall be heated as specified by the manufacturer.
5. Any patching or filling work to be done prior to the seal coat shall be completed by the Town of Wascott.
6. 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.
7. Apply tack coat only when the air temperature is 60 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.
8. 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.
9. Cover previously applied material as required to create transverse joints without overlapping.
10. Treated areas shall be closed to traffic until after the initial rolling of the cover aggregate has been completed.
11. After the asphaltic material develops sufficient tackiness, aggregate shall be uniformly spread over the treated surface. The aggregate shall be damp to surface dry when applied.
12. 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.
13. 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 with by pneumatic rollers of good operating condition.
14. Chip Seal Restrictions – Chip seal to be done not before May 14, 2018 or after September 1, 2018. Pavement and air temperature shall be 60 degrees Fahrenheit or higher. Relative humidity shall be less than 75%. Chip seal shall not be placed during rain or fog or if rain is expected, before set time.
15. Final sweeping or vacuuming of the excess material in the treated area shall be done by the bidder.
16. All equipment necessary for the seal coat shall be supplied by the bidder.
17. All work to be done shall be coordinated with the Town of Wascott, giving at least one week notice prior to starting.

**Fog Seal Specifications – 2018**

**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

Dilute during manufacture. Do not dilute in the field.

**Construction Requirements**

- 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.
- 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.
- 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)**

<b>CSS-1h</b>
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	100 ° F (37.7 ° C)	100 ° F - 140 ° F (37.7 ° C - 60 ° C)

- The contractor is to lap the center line in both directions 6 inches.
- 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.
- 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 - Specified Road for Single Chip Seal Over Asphalt & Fog Seal – 2018**

<u>Item #</u>	<u>Road</u>	<u>Estimated Length</u>	<u>Lump Sum Bid</u>
1	Bass Lake Road from Apple Lake Road to Whitefish Lake Road	1 mile	
2	Price for the Fog Seal	1 mile	

Estimate of Quantity of material to be used for Chip Seal:

Gallons of oil (CRS-2) \_\_\_\_\_

Tons of Aggregate (5/16" Trap Rock) \_\_\_\_\_

Estimate of Quantity of material to be used for Fog Seal

Gallons of oil (CSS-lh) \_\_\_\_\_

**TOTAL BID: \$** \_\_\_\_\_

Est. Completion Date \_\_\_\_\_

Proposed Source of Aggregate \_\_\_\_\_

**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”.

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Town of Wascott  
PO Box 159  
Wascott, WI 54890

**BID PROPOSAL**  
**For**  
**Single Chip Seal Over Asphalt & Fog Seal – 2018**

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 **Noon, Thursday, March 29, 2018**, to furnish and deliver all materials, and to do and perform all work for Single Chip Seal Over Asphalt project 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** \_\_\_\_\_