

Kalkaska County Road Commission

1049 Island Lake Road
Kalkaska, MI 49646
Telephone: 231.258.2242
Facsimile: 231.258.8205

The Kalkaska County Road Commission is an Equal Opportunity Provider and Employer

- INVITATION TO BID - **CHIP SEAL APPLICATION**

Sealed bids will be received until 9:00 a.m., Wednesday, May 8, 2024, by the Kalkaska County Road Commission at their offices at 1049 Island Lake Road, Kalkaska, Michigan at which time and place they will be publicly opened and read aloud to furnish and apply chip sealing on select roads in Kalkaska County. Bids will be awarded at the next regular meeting, Wednesday, May 15, 2024.

Further information is available at the offices of the Kalkaska County Road Commission at 1049 Island Lake Road, Kalkaska, Michigan 49646, or call (231) 258-2242.

The Kalkaska County Road Commission reserves the right to accept or reject any or all bids or waive irregularities in the bid procedure and to award in the best interest of the Road Commission.

KALKASKA COUNTY ROAD COMMISSION
Michael Cox – Chairman
Warren Allen – Vice-Chairman
Amous Maue – Member
Denny Corrado – Member
David Simpson – Member

KALKASKA COUNTY ROAD COMMISSION

SPECIFICATIONS for FOG SEAL

2024

Description. This work shall consist of all labor, materials, and equipment required to Fog Seal as specified herein.

Equipment. All equipment must meet the requirements under Section 505 of MDOT's 2020 Standard Specifications for Construction, except as modified herein:

Miscellaneous:

Provide all equipment including hand tools, thermometers, etc. Equip all self-propelled equipment with at least one approved, flashing, rotating or oscillating amber light, visible to traffic in all directions.

FOG SEAL - APPLICATION RATES:

CSS-1H/SS-1H (at 50% dilution) shall be spread at a target rate between 0.10 and 0.15 gallons per square yard with a target rate of 0.13 gallons per square yard.

If the target rate of 0.13 gallons per square yard is not the optimum application rate due to the gradation of the coarse aggregate or due to existing surface conditions of the pavement, the Contractor shall notify the Road Commission's inspector immediately and prior to application. Upon approval of changes by the engineer, the Contractor shall then document the new JMF rate(s) by stationing. All truck demurrage will be the responsibility of the Contractor.

Fog Seal shall be placed 24-48 hours after completion of chipseal and brooming.

MEASUREMENT AND PAYMENT:

Completed work, as measured, will be paid for at the contract unit price for the following contract items:

Pay Item	Pay Unit
Fog Seal	LS Per Road

Payment for the fog seal (as selected by RCRC from the prices for each material combination) includes all equipment, labor and materials for placement of a single application of asphalt emulsion, brooming before fogging, establishment of yield intervals.

No adjustments in the unit price will be made for approved rate that are within the ranges identified.

The contract unit price shall be payment in full for all labor and equipment needed to accomplish the work.

KALKASKA COUNTY ROAD COMMISSION

SPECIFICATIONS for CHIP SEAL

2024

Description. This work consists of preparing the pavement surface and providing and placing a single chip seal in accordance with the MDOT 2020 Standard Specification for Construction except as herein modified.

Materials. Provide materials in accordance with the following:

All Coarse Aggregate shall be in accordance with Section 902 of MDOT’s 2020 Standard Specifications for Construction

All Asphalt Emulsion shall be in accordance with Section 904 of MDOT’s 2020 Standard Specifications for Construction

Application Rates. Apply the asphalt emulsion followed immediately by a uniform application of coarse aggregate.

Coarse Aggregate. Apply coarse aggregate from 17 pounds per square yard to 24 pounds per square yard.

Measurement and Payment.

Pay Item

Pay Unit

Seal, Single Chip..... LS, Per Road

Seal, Single Chip. The Unit price for Seal, Single Chip includes the cost of placing a single application of asphalt emulsion or multi grade asphalt and coarse aggregate to a pavement and the accompanying shoulders, and material sampling and testing, surface preparation, brooming and documentation.

CHIP SEAL APPLICATION

Kalkaska County Road Commission
1049 Island Lake Road
Kalkaska, MI 49646

Gentlemen:

We, the undersigned, propose to furnish and supply all necessary labor, equipment, and materials for the Kalkaska County Road Commission's "Chip Sealing" program. The material used must meet current MDOT specifications. We agree to supply all labor and equipment necessary to complete the "Chip Sealing" operations, including traffic control in accordance with the Kalkaska County Road Commission's "Chip Seal" and "Fog Seal" specifications at the specified locations and prices listed on the attached Bid Sheet.

Traffic control operations must follow the requirements set forth in the current Michigan Manual of Uniform Traffic Control Devices.

All roads within the project must be clear of debris prior to the application.

All work must be completed prior to September 1, 2024, unless otherwise specified.

The following roads are to be included in the project list under this agreement. Additional roads may be added in this summer.

ROADS TO BE CHIP SEALED

Chip Seal

1. Blue Lake Road, from Starvation Lake Road to Twin Lake Road (approx. 74,181 Syd).
2. Starvation Lake Road, from Cunningham Road to Blue Lake Road (approx. 83,239 Syd).
3. Birch Drive, from Twin Lake Road to Cul de sac (approx. 5,163 Syd).
4. N. Eagle Lane/Eagle Lake Drive, from Gedman Road to Cul de sacs (approx. 9,870 Syd).
5. Rapid City Road, from M-72 to Antrim County Line (approx. 138,667 Syd).
6. Ingersoll Road, Coster Road to M-66 (approx. 133,290 Syd)
7. Supply Road, from U.S. 131 to Grand Traverse County Line (approx. 32,067 Syd)

Sub-Total Chip Seal Projects = Approx. 476,477 SYD

BID SHEET

Kalkaska County Road Commission
1049 Island Lake Road
Kalkaska, MI 49676

"Chip Seal"

1. Blue Lake Road; CM-90 Multi Grade Asphalt, 25A Slag Course Agg, CSS-1H Fog Seal Emulsion (at 50% dilution).
Chip Seal \$ _____ Fog Seal \$ _____ Total \$ _____
*Alternate Asphalt Emulsion _____ **Alternate Fog Seal Emulsion _____

2. Starvation Lake Road; CM-90 Multi Grade Asphalt, 25A Slag Course Agg, CSS-1H Fog Seal Emulsion (at 50% dilution).
Chip Seal \$ _____ Fog Seal \$ _____ Total \$ _____
*Alternate Asphalt Emulsion _____ **Alternate Fog Seal Emulsion _____

3. Birch Drive; CM-90 Multi Grade Asphalt, 25A Slag Course Agg, CSS-1H Fog Seal Emulsion (at 50% dilution).
Chip Seal \$ _____ Fog Seal \$ _____ Total \$ _____
*Alternate Asphalt Emulsion _____ **Alternate Fog Seal Emulsion _____

4. N. Eagle Lane/Eagle Lake Drive; CM-90 Multi Grade Asphalt, 25A Slag Course Agg, CSS-1H Fog Seal Emulsion (at 50% dilution).
Chip Seal \$ _____ Fog Seal \$ _____ Total \$ _____
*Alternate Asphalt Emulsion _____ **Alternate Fog Seal Emulsion _____

5. Rapid City Road; CM-90 Multi Grade Asphalt, 25A Slag Course Agg, CSS-1H Fog Seal Emulsion (at 50% dilution).
Chip Seal \$ _____ Fog Seal \$ _____ Total \$ _____
*Alternate Asphalt Emulsion _____ **Alternate Fog Seal Emulsion _____

6. Ingersoll Road; CM-90 Multi Grade Asphalt, 25A Slag Course Agg, CSS-1H Fog Seal Emulsion (at 50% dilution).
Chip Seal \$ _____ Fog Seal \$ _____ Total \$ _____
*Alternate Asphalt Emulsion _____ **Alternate Fog Seal Emulsion _____

7. Supply Road; CM-90 Multi Grade Asphalt, 25A Slag Course Agg, CSS-1H Fog Seal Emulsion (at 50% dilution).
Chip Seal \$ _____ Fog Seal \$ _____ Total \$ _____
*Alternate Asphalt Emulsion _____ **Alternate Fog Seal Emulsion _____

8. Additional Roads, 22' width, 1 mile or more collectively; CM-90 Multi Grade Asphalt, 34CS Slag Course Agg, CSS-1H Fog Seal Emulsion (at 50% dilution).

*Chip Seal \$ _____/SYD **Fog Seal \$ _____/SYD

*Alternate Asphalt Emulsion _____ **Alternate Fog Seal Emulsion _____

9. Additional Roads, 22' width, less than 1 mile collectively; CM-90 Multi Grade Asphalt, 25A Slag Course Agg, CSS-1H Fog Seal Emulsion (at 50% dilution).

*Chip Seal \$ _____/SYD **Fog Seal \$ _____/SYD

*Alternate Asphalt Emulsion _____ **Alternate Fog Seal Emulsion _____

*Alternate Asphalt Emulsions will be considered. Include specifications with bid.

** Alternate Fog Seal Emulsions will be considered. Include specifications with bid.

The Kalkaska County Road Commission reserves the right to accept or reject any or all bids, portions of bids or to waive irregularities in the bid procedure and to award the bid in the best interest of the Road Commission.

Company: _____

Name & Title: _____ Signature: _____

Address: _____ Email: _____

Phone: _____ Date of Bid: _____

Bids must be submitted in a sealed envelope clearly marked "Chip Seal Bids" by 9:00 a.m., Wednesday, May 8, 2024, at which time they will be opened and read aloud. Bids will be awarded at the next regular meeting, Wednesday, May 15, 2024.