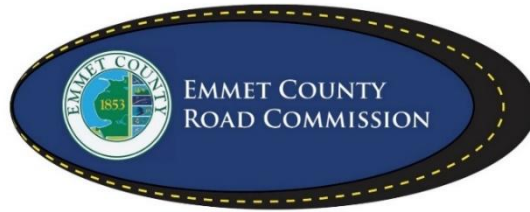


Frank Zulski  
Wade Williams  
Jim Kargol  
Brent Shank, PE  
Engineer-Manager  
Lisa Kleeman  
Finance Director



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**Project: 2026 County Wide Chip Seal Project**

33.99 miles of Single Chip Seal, Fog Seal and Pavement Markings

The Emmet County Road Commission will accept Bids until **9:00 a.m.** local time on **January 6, 2026** at: 2265 E. Hathaway Road, Harbor Springs, MI 49740. Bid packages are available at the Emmet County Road Commission Office or on Emmet County Road Commission website at [www.emmetcsrc.org](http://www.emmetcsrc.org).

**ALL BIDS WILL BE SEALED AND PLAINLY MARKED AS TO THE PROJECT AND PROJECT NUMBER. MAILED BIDS MUST BE RECEIVED BY 3:30 P.M. THE PREVIOUS EMMET COUNTY ROAD COMMISSION BUSINESS DAY PRIOR TO BID OPENING.**

The bidder has examined the plans, specification, special provisions and related materials in the proposal, as well as the location of the work described in the proposal for this project, and is fully informed as to the nature of the work and conditions relating to its performance and understands that the quantities shown are approximate only and are subject to either increase or decrease.

The bidder hereby proposes to furnish all necessary machinery, tools, apparatus and other means of construction, do all the work, furnish all the materials except as otherwise specified and, or each unit price, lump sum, or one each named in the itemized bid, to complete the work in strict conformity with the plans therefore and the entire proposal which is incorporated by reference in these pages, and in strict conformity with the requirements of the 2020 Standard Specifications for Construction, Michigan Department of Transportation and such other special provisions and supplemental specifications as may be part of the proposal for this project.

The bidder further proposes to do such extra work as may be authorized by the Emmet County Road Commission, prices for which are not included in the itemized bid. Compensation shall be made on the basis agreed upon before such extra work is begun.

THE BIDDER UNDERSTANDS AND AGREES THAT THE EMMET COUNTY ROAD COMMISSION RESERVES THE RIGHT TO REJECT ANY AND ALL BIDS; TO WAIVE IRREGULARITIES OR INFORMALITIES; AND NO CONTRACTUAL RELATIONSHIP SHALL EXIST BETWEEN THE BIDDER AND THE EMMET COUNTY ROAD COMMISSION FOR THE WORK DESCRIBED HEREIN UNTIL SUCH TIME AS THE CONTRACT HAS BEEN FORMALLY EXECUTED BY BOTH THE BIDDER AND THE EMMET COUNTY ROAD COMMISSION.

The Emmet County Road Commission, in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C 2000d to 2000d-4 and Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office the Secretary, Part 21, Nondiscrimination in Federally assisted programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it will affirmatively insure that in any contact entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

## **2026 County Wide Chip Seal Project**

### **DESCRIPTION OF WORK**

33.99 miles of Single Chip Seal, Fog Seal and Pavement Markings

### **SPECIFICATIONS**

The improvements covered by these plans shall be done in accordance with the Michigan Department of Transportation 2020 Standard Specifications for Construction as amended by Supplemental Specifications and Special Provisions.

### **PROJECT DATES**

A pre-construction meeting will be scheduled by the Emmet County Road Commission prior to project start. All project submittals are to be submitted for review at this meeting.

Project Start Date:	10 days after all Contracts are executed.
Project Completion Date:	July 31, 2026 (All Project Items)

The project shall be completed within thirty (30) calendar days of starting date.

### **PROJECT SUBMITTALS**

The following shall be submitted to the Road Commission Engineer for approval prior to project start:

1. Material Source List (MDOT Form 501)
2. Progress Schedule (must be submitted within 5 days of Contract award)
3. Damage Claim Program
4. Traffic Control Plan
5. Safety Program

Upon project completion, the Contractor shall submit a written "Notice of Completion" to the Engineer. After the Engineer receives the Notice of Completion, the Engineer will inspect the project. The Engineer will provide a list of any deficient items (Punch List) to the Contractor. Final acceptance will only be issued when any deficient items are addressed to the satisfaction of the Engineer. Final acceptance will be provided to the Contractor in writing.

### **TECHNICAL SPECIFICATIONS ORDER OF PREFERENCE**

The technical specifications for the project shall be in accordance with the 2020 Standard Specifications for Construction of the Michigan Department of Transportation, as amended, hereinafter referred to as the "Standard Specifications".

In case of a conflict in the contract, the following establishes the order of precedence:

1. ECRC Proposal and Project Specifications
2. Special Provisions
3. MDOT Supplemental Specifications
4. ECRC Project Plans and Drawings
5. MDOT Standard Plans
6. MDOT Standard Specifications

The Engineer has the right to increase or decrease quantities based on unit prices bid. Final quantities will be based on the unit price bid per estimated quantities and can be adjusted by the Engineer without adjustment in unit price bid by Contractor

### **STANDARD PLANS & SPECIAL DETAILS**

The following items shall be constructed in accordance with the referenced Standard Plan or Special Detail (\* included in Proposal) listed below unless otherwise specified.

#### Pavement Marking Standards

PAVE-905-E Longitudinal Line Types and Placement

#### Traffic & Safety Work Zone Special Details

WZD-125-E\* Temporary Traffic Control Devices

### **MAINTAINING TRAFFIC**

Maintain traffic using traffic regulators in accordance with MDOT Maintaining Traffic Typical 110-TR-NFW-2L. Traffic shall be maintained during the project through the use of lane closures, two way traffic shall be open during non-working hours. The Contractor shall coordinate operations with contractors performing work on other projects within or adjacent to the Construction Influence Area (CIA).

The Construction Influence Area for this project shall consist of the width of the project right of way, and the width of the right of way on intersecting roads, from a point where advance construction warning signing begins to a point where it ends.

### **At no time may Traffic Control Stop and Hold traffic, including loaded & unloaded asphalt trucks on the new HMA surface.**

Advanced Warning signs shall be in place before any work begins.

Payment for all traffic control, signing and traffic control items shall be paid for as **Traffic Control**.

Item	Quantity	Unit
Traffic Control, Max \$41,600	1	LSUM

## **PROPOSED IMPROVEMENTS**

### **Chip Sealing**

All application rates, materials and all work for placement shall be done in accordance with the Michigan Department of Transportation 2020 Standard Specification for Construction. All materials shall meet the requirements of the Michigan Department of Transportation Materials Source Guide.

Contractor shall protect all castings on the project. The known castings are indicated in the project notes below, however, the Contractor is expected to verify that all castings are protected within the project limits.

### **Fog Seal**

See attached Special Provision for Fog Seal 20RC500(A035).

## **LOCATION INFORMATION**

### **1 Pleasantview Road – Quick Road to Robinson Rd.**

- Length: 7.47miles
- Width:
  - 0+00 to 213+64      26.0 Ft Chipseal – 34.0 Ft Fog Seal
  - 213+64 to 394+50      28.0 Ft Chipseal – 28.0 Ft Fog Seal
- Extra Area: Three Passing lanes.
- Project Stations
  - POB is 220 feet north of the centerline of Quick Road.
  - 0+00      P.O.B. – existing paving joint.
  - 24+33      Centerline Catob Rd.
  - 28+46 to 30+88 L      Passing Lane
  - 44+60 to 46+88 L      Passing Lane
  - 65+59 to 73+46 R      Passing Lane
  - 68+66      Thru Arrow & Left Turn Arrow
  - 68+87      Highland Pike
  - 77+15      Wild Cherry Lane
  - 81+46      Royal view Road
  - 85+18      Nubs Nob Road
  - 95+80      Sun Valley Drive
  - 155+74      Beaux Rivages Road
  - 159+15      West Brutus Road
  - 173+23      Brutus Road
  - 212+49      Stutsmanville Road
  - 286+20      Scheirschmidt Road
  - 342+85      Tower Road
  - 394+50      P.O.E. – pave joint
  - 395+60      Centerline Robinson Road

Pay Item	Quantity	Unit
Seal, Single Chip	117,986	Syd
Seal, Fog	136,977	Syd
Pavt Mrkg, Waterborne, 4 inch, White	80,875	Ft
Pavt Mrkg, Waterborne, 2 <sup>nd</sup> Application, 4 inch, White	80,875	Ft
Pavt Mrkg, Waterborne, 4 inch, Yellow	69,050	Ft
Pavt Mrkg, Waterborne, 2 <sup>nd</sup> Application, 4 inch, Yellow	69,050	Ft
Pavt Mrkg, Polyurea, Lt Turn Arrow Sym Arrow Sym	1	Ea
Pavt Mrkg, Polyurea, Thru Arrow Sym	1	Ea
Raised Pavt Marker, Temp, Type 1, Yellow, Bidirectional, Mod	250	Ea

## 2 **Stutsmanville Road – M-119 to Terpening Road.**

- Length: 1.08 miles
- Width: 24.0 Ft
- Extra Area: Flares at M-119
- Project Stations
  - 0+00            P.O.B. – Edge of pavement M-119
  - 7+95            Centerline West Townline Rd.
  - 57+20          P.O.E. – pavement joint
  - 57+95          Centerline Terpening Rd.

Pay Item	Quantity	Unit
Seal, Single Chip	15,695	Syd
Seal, Fog	15,695	Syd
Pavt Mrkg, Waterborne, 4 inch, White	11,440	Ft
Pavt Mrkg, Waterborne, 2 <sup>nd</sup> Application, 4 inch, White	11,440	Ft
Pavt Mrkg, Waterborne, 4 inch, Yellow	11,440	Ft
Pavt Mrkg, Waterborne, 2 <sup>nd</sup> Application, 4 inch, Yellow	11,440	Ft
Raised Pavt Marker, Temp, Type 1, Yellow, Bidirectional, Mod	30	Ea

**3 Levering Road – Lookout Drive to Hill Road.**

- Length: 0.76 miles
- Width: 24.0 Ft
- Extra Area: none
- Project Stations
  - 0+00 P.O.B. – 40 feet east of centerline of Lookout Drive
  - 34+00 Centerline Hill Road
  - 40+00 P.O.E.

Pay Item	Quantity	Unit
Seal, Single Chip	10,667	Syd
Seal, Fog	10,667	Syd
Pavt Mrkg, Waterborne, 4 inch, Yellow	8,000	Ft
Pavt Mrkg, Waterborne, 2 <sup>nd</sup> Application, 4 inch, Yellow	8,000	Ft
Raised Pavt Marker, Temp, Type 1, Yellow, Bidirectional, Mod	21	Ea

**4 Belmer Road – Rustic Rd. to Pickerel Lake Rd.**

- Length: 0.49 miles
- Width: 24.0 Ft
- Extra Area: Intersection flares at Pickerel Lake Rd and Ristic Rd.
- Project Stations
  - 1+00 Centerline Ristic Rd.
  - 1+60 P.O.B. – end of concrete curb
  - 27+26 P.O.E. – end of concrete curb
  - 27+83 Centerline Pickerel Lake Rd.

Pay Item	Quantity	Unit
Seal, Single Chip	6,873	Syd
Seal, Fog	6,873	Syd
Pavt Mrkg, Waterborne, 4 inch, Yellow	700	Ft
Pavt Mrkg, Waterborne, 2 <sup>nd</sup> Application, 4 inch, Yellow	700	Ft
Raised Pavt Marker, Temp, Type 1, Yellow, Bidirectional, Mod	14	Ea

**5 Benal Road – Gokee Rd. to end of pavement.**

- Length: 0.38 miles
- Width: 24.0 Ft
- Extra Area: Large turn around
- Project Stations
  - 0+00 P.O.B. – 3088 feet west of Straddling Road.
  - 20+15 P.O.E. – end of turn around.

Pay Item	Quantity	Unit
Seal, Single Chip	5,754	Syd
Seal, Fog	5,754	Syd
Pavt Mrkg, Waterborne, 4 inch, Yellow	4,030	Ft
Pavt Mrkg, Waterborne, 2 <sup>nd</sup> Application, 4 inch, Yellow	4,030	Ft
Raised Pavt Marker, Temp, Type 1, Yellow, Bidirectional, Mod	11	Ea

**6 Cemetery Road – Intertown Rd. to Lears Rd.**

- Length: 0.49 miles
- Width: 24.0 – 32.0 Ft
- Extra Area: Intersection flares at Intertown Rd and additional area in 3 lane sections.
- Project Stations
  - 0+00 Centerline Intertown Rd.
  - 0+11 P.O.B. – Edge of pavement Intertown Rd.
  - 0+60 End of concrete curbs
  - 24+60 Transition 2 lanes to 3 lanes.
  - 26+36 P.O.E. – end of concrete curbs

Pay Item	Quantity	Unit
Seal, Single Chip	7,509	Syd
Seal, Fog	7,509	Syd
Pavt Mrkg, Waterborne, 4 inch, Yellow	5,152	Ft
Pavt Mrkg, Waterborne, 2 <sup>nd</sup> Application, 4 inch, Yellow	5,152	Ft
Raised Pavt Marker, Temp, Type 1, Yellow, Bidirectional, Mod	14	Ea

**7 Click Road – McDougal Rd. to Cedar Valley Rd.**

- Length: 1.00 miles
- Width: 25.0 Ft
- Extra Area: none
- Project Stations
  - 0+00 Centerline McDougal Rd.
  - 0+50 P.O.B.
  - 53+25 P.O.E. – end of concrete curb.
  - 53+83 Centerline Cedar Valley Rd.

Pay Item	Quantity	Unit
Seal, Single Chip	15,011	Syd
Seal, Fog	15,011	Syd
Pavt Mrkg, Waterborne, 4 inch, Yellow	1,500	Ft
Pavt Mrkg, Waterborne, 2 <sup>nd</sup> Application, 4 inch, Yellow	1,500	Ft
Raised Pavt Marker, Temp, Type 1, Yellow, Bidirectional, Mod	27	Ea

**8 Evergreen Trail – Bear River Rd. to Mindel Rd.**

- Length: 1.46 miles
- Width: 24.0 Ft
- Extra Area: Intersection flares at Bear River Rd.
- Project Stations
  - 0+00 Centerline of Bear River Rd.
  - 0+18 P.O.B. – edge of pavement Bear River Rd.
  - 29+10 Centerline of Lintlong Rd.
  - 76+76 Centerline Mindel Rd.
  - 77+50 P.O.E.

Pay Item	Quantity	Unit
Seal, Single Chip	20,883	Syd
Seal, Fog	20,883	Syd
Pavt Mrkg, Waterborne, 4 inch, Yellow	15,464	Ft
Pavt Mrkg, Waterborne, 2 <sup>nd</sup> Application, 4 inch, Yellow	15,464	Ft
Raised Pavt Marker, Temp, Type 1, Yellow, Bidirectional, Mod	66	Ea



**9 Fletcher Road – Pickerel Lake Rd. to Mitchell Rd.**

- Length: 1.48 miles
- Width: 24.0 Ft
- Extra Area: Intersection flares at Bellmer Rd. and Pickerel Lake Rd.
- Project Stations
  - 0+00 Centerline Pickerel Lake Rd.
  - 0+60 P.O.B.
  - 39+95 Centerline Country Club Rd.
  - 53+30 Centerline Bellmer Rd.
  - 78+85 P.O.E. – end of concrete curb.
  - 71+83 Centerline Mitchell Rd.

Pay Item	Quantity	Unit
Seal, Single Chip	21,122	Syd
Seal, Fog	21,122	Syd
Pavt Mrkg, Waterborne, 4 inch, Yellow	15,650	Ft
Pavt Mrkg, Waterborne, 2 <sup>nd</sup> Application, 4 inch, Yellow	15,650	Ft
Raised Pavt Marker, Temp, Type 1, Yellow, Bidirectional, Mod	52	Ea

**10 Gokee Road – Johnson Rd. to Benal Rd.**

- Length: 1.08 miles
- Width: 22.5Ft
- Extra Area: Intersection flares at Johnson Rd.
- Project Stations
  - 0+00 Centerline Johnson Rd.
  - 0+15 P.O.B. – edge of pavement Johnson Rd.
  - 26+12 Centerline Straddling Rd.
  - 57+00 P.O.E.

Pay Item	Quantity	Unit
Seal, Single Chip	14,759	Syd
Seal, Fog	14,759	Syd
Pavt Mrkg, Waterborne, 4 inch, Yellow	11,370	Ft
Pavt Mrkg, Waterborne, 2 <sup>nd</sup> Application, 4 inch, Yellow	11,370	Ft
Raised Pavt Marker, Temp, Type 1, Yellow, Bidirectional, Mod	42	Ea

**11 Greenwood Road – Township Line to Atkins Rd.**

- Length: 0.82 miles
- Width: 0+00 to 25+00 - 26.0 Ft / 25+00 to 43+25 – 24.0 Ft
- Extra Area: none
- Project Stations
  - 0+00 P.O.B. – Paving joint between curves.
  - 24+92 Centerline Russet Rd.
  - 42+62 Centerline Greenwood Rd. (west).
  - 43+25 P.O.E.

Pay Item	Quantity	Unit
Seal, Single Chip	12,090	Syd
Seal, Fog	12,090	Syd
Pavt Mrkg, Waterborne, 4 inch, Yellow	4,650	Ft
Pavt Mrkg, Waterborne, 2 <sup>nd</sup> Application, 4 inch, Yellow	4,650	Ft
Raised Pavt Marker, Temp, Type 1, Yellow, Bidirectional, Mod	30	Ea

**12 Shanley Road – Brubaker Rd. then west to end of pavement.**

- Length: 0.29 miles
- Width: 23.0 Ft
- Extra Area: Intersection flares at Brubaker Rd. and turn around.
- Project Stations
  - 0+00 Centerline Brubaker Rd.
  - 0.11 P.O.B.
  - 15+23 P.O.E. – end of turn around.

Pay Item	Quantity	Unit
Seal, Single Chip	4,227	Syd
Seal, Fog	4,227	Syd
Pavt Mrkg, Waterborne, 4 inch, Yellow	2,646	Ft
Pavt Mrkg, Waterborne, 2 <sup>nd</sup> Application, 4 inch, Yellow	2,646	Ft
Raised Pavt Marker, Temp, Type 1, Yellow, Bidirectional, Mod	8	Ea

**13 Straddling Road – Bear River Rd. to Gokee Rd.**

- Length: 1.04 miles
- Width: 0+15 to 2+65 – 41 Ft / 2+65 to 29+00 – 22.0 Ft / 29+00 to 55+20 – 24.0 Ft
- Extra Area: Intersection flares at Bear River Rd. and Gokee Rd. and apron at Lintlong Rd.
- Project Stations
  - 0+00 Centerline Bear River Rd.
  - 0+15 P.O.B. – edge of pavement Bear River Rd.
  - 28+97 Centerline Lintlong Rd.
  - 55+20 P.O.E. – edge of pavement Gokee Rd.
  - 55+31 Centerline Gokee Rd.

Pay Item	Quantity	Unit
Seal, Single Chip	15,054	Syd
Seal, Fog	15,054	Syd
Pavt Mrkg, Waterborne, 4 inch, Yellow	9,634	Ft
Pavt Mrkg, Waterborne, 2 <sup>nd</sup> Application, 4 inch, Yellow	9,634	Ft
Raised Pavt Marker, Temp, Type 1, Yellow, Bidirectional, Mod	29	Ea

**14 Beckon Road – State Rd. to Hill Rd.**

- Length: 2.01 miles
- Width: 22.0 Ft
- Extra Area: none.
- Project Stations
  - 0+00 Centerline State Rd.
  - 0+20 P.O.B.
  - 78+43 Centerline Rugged Rd.
  - 105+48 Centerline Hill Rd.
  - 106+50 P.O.E.

Pay Item	Quantity	Unit
Seal, Single Chip	25,985	Syd
Seal, Fog	25,985	Syd
Pavt Mrkg, Waterborne, 4 inch, Yellow	15,945	Ft
Pavt Mrkg, Waterborne, 2 <sup>nd</sup> Application, 4 inch, Yellow	15,945	Ft
Raised Pavt Marker, Temp, Type 1, Yellow, Bidirectional, Mod	55	Ea

**15 Pointe Drive** – Wilderness Park Dr. then left and right to turnarounds.

- Length: 0.76 miles
- Width: 24.0 Ft
- Extra Area: Intersection flares and 2 turnarounds.
- Project Stations
  - 0+00 P.O.B. – edge of pavement Wilderness Park Drive
  - 0+00 P.O.E. – left and right to end of turnarounds

Pay Item	Quantity	Unit
Seal, Single Chip	11,496	Syd
Seal, Fog	11,496	Syd
Pavt Mrkg, Waterborne, 4 inch, Yellow	7,608	Ft
Pavt Mrkg, Waterborne, 2 <sup>nd</sup> Application, 4 inch, Yellow	7,608	Ft
Raised Pavt Marker, Temp, Type 1, Yellow, Bidirectional, Mod	18	Ea

**16 Armock Road** – Lakeview Rd. then east to end of pavement.

- Length: 0.68 miles
- Width: 24.0 Ft
- Extra Area: none
- Project Stations
  - 0+00 Centerline of Lakeview Road
  - 0+15 P.O.B. – paving joint
  - 36+00 P.O.E. – end of pavement

Pay Item	Quantity	Unit
Seal, Single Chip	9,560	Syd
Seal, Fog	9,560	Syd
Pavt Mrkg, Waterborne, 4 inch, Yellow	2,688	Ft
Pavt Mrkg, Waterborne, 2 <sup>nd</sup> Application, 4 inch, Yellow	2,688	Ft
Raised Pavt Marker, Temp, Type 1, Yellow, Bidirectional, Mod	19	Ea

**17 Honeysette Road – Valley Rd. then north to end of turnaround.**

- Length: 0.61 miles
- Width: 23.0 Ft
- Extra Area: Flares at Valley Rd. and turnaround.
- Project Stations
  - 0+00 P.O.B. – Edge of pavement Valley Rd. (12 foot north of centerline)
  - 32+33 P.O.E. – end of turnaround

Pay Item	Quantity	Unit
Seal, Single Chip	8,342	Syd
Seal, Fog	8,342	Syd
Pavt Mrkg, Waterborne, 4 inch, Yellow	2,425	Ft
Pavt Mrkg, Waterborne, 2 <sup>nd</sup> Application, 4 inch, Yellow	2,425	Ft
Raised Pavt Marker, Temp, Type 1, Yellow, Bidirectional, Mod	17	Ea

**18 Valley Road – Moore Rd. to Milton Rd.**

- Length: 1.13 miles
- Width: 24.0 Ft
- Extra Area: Flares at Milton Rd.
- Project Stations
  - 0+00 P.O.B. – edge of pavement Milton Rd.
  - 14+19 Centerline Honeysette Rd.
  - 27+83 Centerline Kilmer Rd.
  - 59+43 P.O.E. – pavement joint
  - 60+00 Centerline Moore Rd.

Pay Item	Quantity	Unit
Seal, Single Chip	15,911	Syd
Seal, Fog	15,911	Syd
Pavt Mrkg, Waterborne, 4 inch, Yellow	4,458	Ft
Pavt Mrkg, Waterborne, 2 <sup>nd</sup> Application, 4 inch, Yellow	4,458	Ft
Raised Pavt Marker, Temp, Type 1, Yellow, Bidirectional, Mod	31	Ea

**19 Plains Road – Sand Rd. to Robinson Rd.**

- Length: 2.00 miles
- Width: 24.0 Ft
- Extra Area: Flares at Sand Rd. and Robinson Rd.
- Project Stations
  - 0+00 P.O.B. – edge of pavement Sand Rd.
  - 26+33 Centerline Woodland Rd.
  - 84+90 Centerline East Branch Rd.
  - 0+00 P.O.E. – edge of pavement Robinson Rd.

Pay Item	Quantity	Unit
Seal, Single Chip	28,342	Syd
Seal, Fog	28,342	Syd
Pavt Mrkg, Waterborne, 4 inch, Yellow	13,195	Ft
Pavt Mrkg, Waterborne, 2 <sup>nd</sup> Application, 4 inch, Yellow	13,195	Ft
Raised Pavt Marker, Temp, Type 1, Yellow, Bidirectional, Mod	54	Ea

**20 Ringler Road – Red School Rd. to US-31.**

- Length: 1.01 miles
- Width: 24.0 Ft
- Extra Area: Flares at Red School Rd. and Hartman Rd.
- Project Stations
  - 0+00 P.O.B. – edge of pavement Red School Rd. 13 feet east of centerline)
  - 51+82 Centerline Hartman Rd.
  - 53+20 P.O.E. – pavement joint
  - 53+70 Edge of pavement US-31

Pay Item	Quantity	Unit
Seal, Single Chip	14,294	Syd
Seal, Fog	14,294	Syd
Pavt Mrkg, Waterborne, 4 inch, Yellow	2,128	Ft
Pavt Mrkg, Waterborne, 2 <sup>nd</sup> Application, 4 inch, Yellow	2,128	Ft
Raised Pavt Marker, Temp, Type 1, Yellow, Bidirectional, Mod	28	Ea

**21 Tower Road – Red School Rd. then west 5215 feet.**

- Length: 0.99 miles
- Width: 22.0 Ft
- Extra Area: Flares at Red School Rd.
- Project Stations
  - 0+00 P.O.B. – edge of pavement Red School Rd. 13 feet west of centerline)
  - 52+15 P.O.E.

Pay Item	Quantity	Unit
Seal, Single Chip	14,006	Syd
Seal, Fog	14,006	Syd
Pavt Mrkg, Waterborne, 4 inch, Yellow	2,600	Ft
Pavt Mrkg, Waterborne, 2 <sup>nd</sup> Application, 4 inch, Yellow	2,600	Ft
Raised Pavt Marker, Temp, Type 1, Yellow, Bidirectional, Mod	27	Ea

**22 Valley Road – Edds Rd. to Sunny Ridge Rd.**

- Length: 1.73 miles
- Width: 22.0 Ft
- Extra Area: Flares at Sunny Ridge Rd.
- Project Stations
  - 0+00 P.O.B. – pavement joint (25 feet north of centerline Edds Rd.)
  - 91+13 P.O.E. – edge of pavement Sunny Ridge Rd.
  - 91+24 Centerline Sunny Ridge Rd.

Pay Item	Quantity	Unit
Seal, Single Chip	22,371	Syd
Seal, Fog	22,371	Syd
Pavt Mrkg, Waterborne, 4 inch, Yellow	18,226	Ft
Pavt Mrkg, Waterborne, 2 <sup>nd</sup> Application, 4 inch, Yellow	18,226	Ft
Raised Pavt Marker, Temp, Type 1, Yellow, Bidirectional, Mod	60	Ea

**23 Woodland Road – Gregory Rd. to Plains Rd.**

- Length: 0.50 miles
- Width: 24.0 Ft
- Extra Area: Flares at Plains Rd.
- Project Stations
  - 0+00 P.O.B. – (30 feet east of centerline Gregory Rd.)
  - 26+51 P.O.E. – Edge pf pavement Plains Rd.
  - 26+64 Centerline Plains Rd.

Pay Item	Quantity	Unit
Seal, Single Chip	8,607	Syd
Seal, Fog	8,607	Syd
Pavt Mrkg, Waterborne, 4 inch, Yellow	663	Ft
Pavt Mrkg, Waterborne, 2 <sup>nd</sup> Application, 4 inch, Yellow	663	Ft
Raised Pavt Marker, Temp, Type 1, Yellow, Bidirectional, Mod	14	Ea

**24 Blackbird Road – Lake Grove Rd. to Intertown Rd.**

- Length: 2.47 miles
- Width: 24.0 Ft
- Extra Area: Flares at Lake Grove Rd.
- Project Stations
  - 0+00 P.O.B. – Edge of pavement Lake Grove Road (pavement joint).
  - 52+26 Centerline School Rd.
  - 78+36 Centerline Kalchick Rd.
  - 104+54 Centerline Stump Rd.
  - 130+33 P.O.E. – pavement joint.
  - 130+90 Centerline Intertown Rd.

Pay Item	Quantity	Unit
Seal, Single Chip	34,873	Syd
Seal, Fog	34,873	Syd
Pavt Mrkg, Waterborne, 4 inch, Yellow	22,808	Ft
Pavt Mrkg, Waterborne, 2 <sup>nd</sup> Application, 4 inch, Yellow	22,808	Ft
Raised Pavt Marker, Temp, Type 1, Yellow, Bidirectional, Mod	70	Ea



**25 Hemlock Lane – Resort Pike to the end of turnaround.**

- Length: 0.65 miles
- Width: 24.0 Ft
- Extra Area: Flares at Resort Pike and very large turnaround.
- Project Stations
  - 0+00 P.O.B. –(13.0 feet east of centerline Resort Pike)
  - 34+32 P.O.E.

Pay Item	Quantity	Unit
Seal, Single Chip	11,074	Syd
Seal, Fog	11,074	Syd
Pavt Mrkg, Waterborne, 4 inch, Yellow	6,745	Ft
Pavt Mrkg, Waterborne, 2 <sup>nd</sup> Application, 4 inch, Yellow	6,745	Ft
Raised Pavt Marker, Temp, Type 1, Yellow, Bidirectional, Mod	16	Ea

**26 Kalchick Road – Blackbird Rd. to the end of turnaround (end of public road).**

- Length: 0.25 miles
- Width: 24.0 Ft
- Extra Area: Flares at Blackbird Rd. and turnaround.
- Project Stations
  - 0+00 P.O.B. –(edge of pavement Blackbird Rd.)
  - 13+16 P.O.E. – End of turnaround.

Pay Item	Quantity	Unit
Seal, Single Chip	4,158	Syd
Seal, Fog	4,158	Syd
Pavt Mrkg, Waterborne, 4 inch, Yellow	1,316	Ft
Pavt Mrkg, Waterborne, 2 <sup>nd</sup> Application, 4 inch, Yellow	1,316	Ft
Raised Pavt Marker, Temp, Type 1, Yellow, Bidirectional, Mod	7	Ea

**27 Kiebel Road – Townsend Rd. to Lake Grove Rd.**

- Length: 0.50 miles
- Width: 24.0 Ft
- Extra Area: Flares at Townsend Rd and Lake Grove Rd.
- Project Stations
  - 0+00 P.O.B. –(16 feet east of centerline Townsend Rd.)
  - 26+28 P.O.E. – Edge pf pavement Lake Grove Rd.
  - 26+60 Centerline Lake Grove Rd.

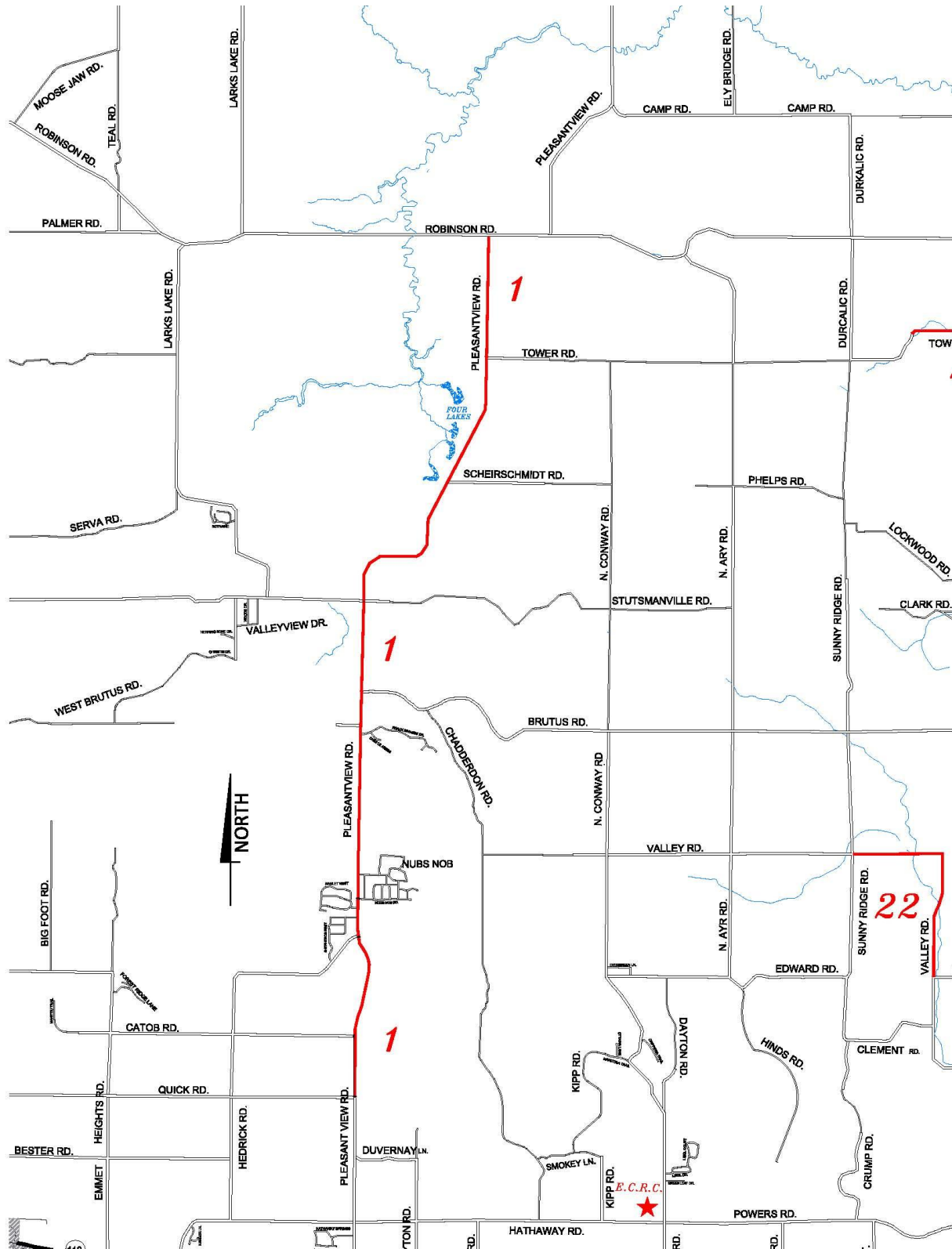
Pay Item	Quantity	Unit
Seal, Single Chip	8,607	Syd
Seal, Fog	8,607	Syd
Pavt Mrkg, Waterborne, 4 inch, Yellow	663	Ft
Pavt Mrkg, Waterborne, 2 <sup>nd</sup> Application, 4 inch, Yellow	663	Ft
Raised Pavt Marker, Temp, Type 1, Yellow, Bidirectional, Mod	14	Ea

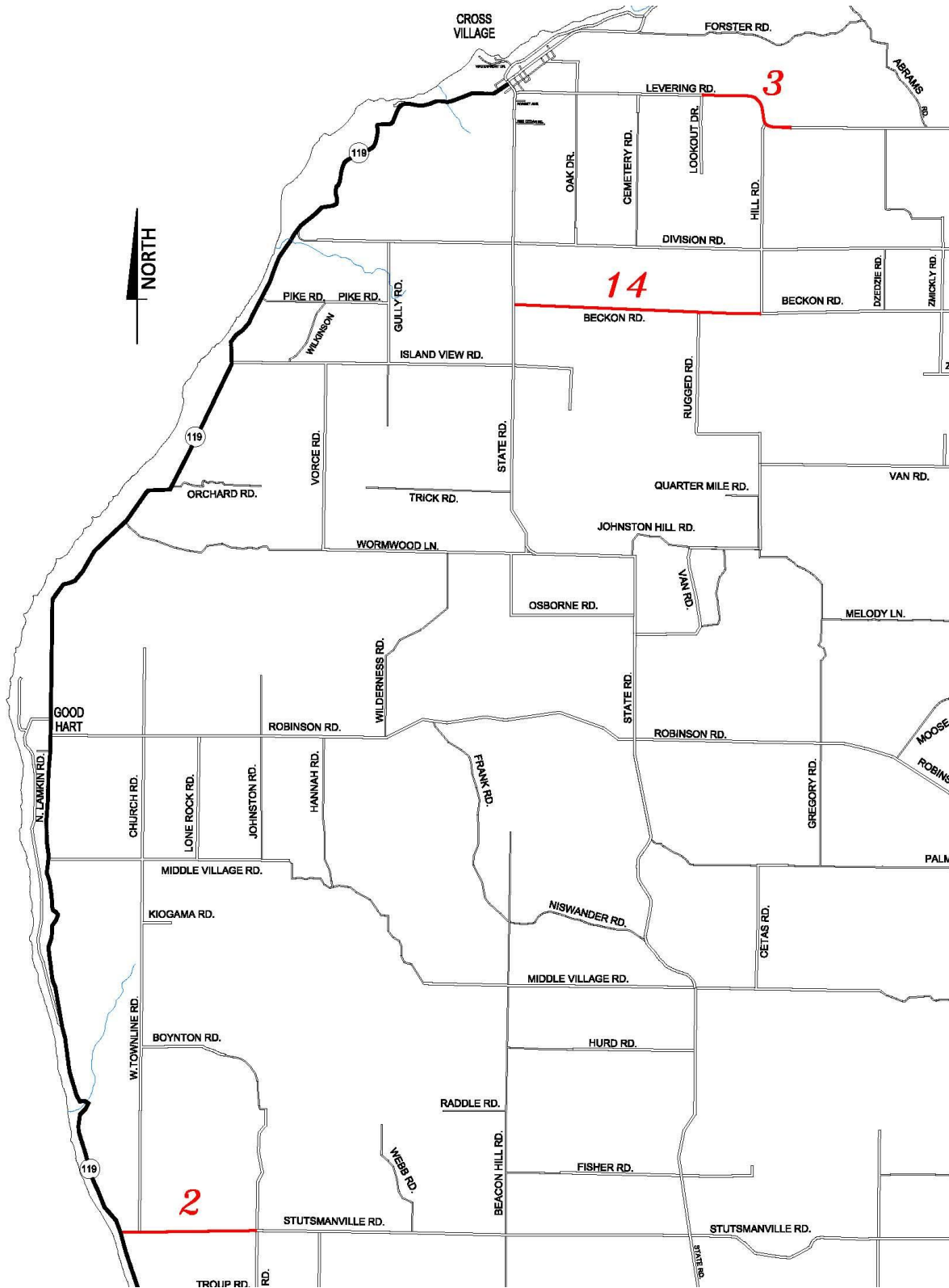
**28 School Road – Resort Pike then west to end of road.**

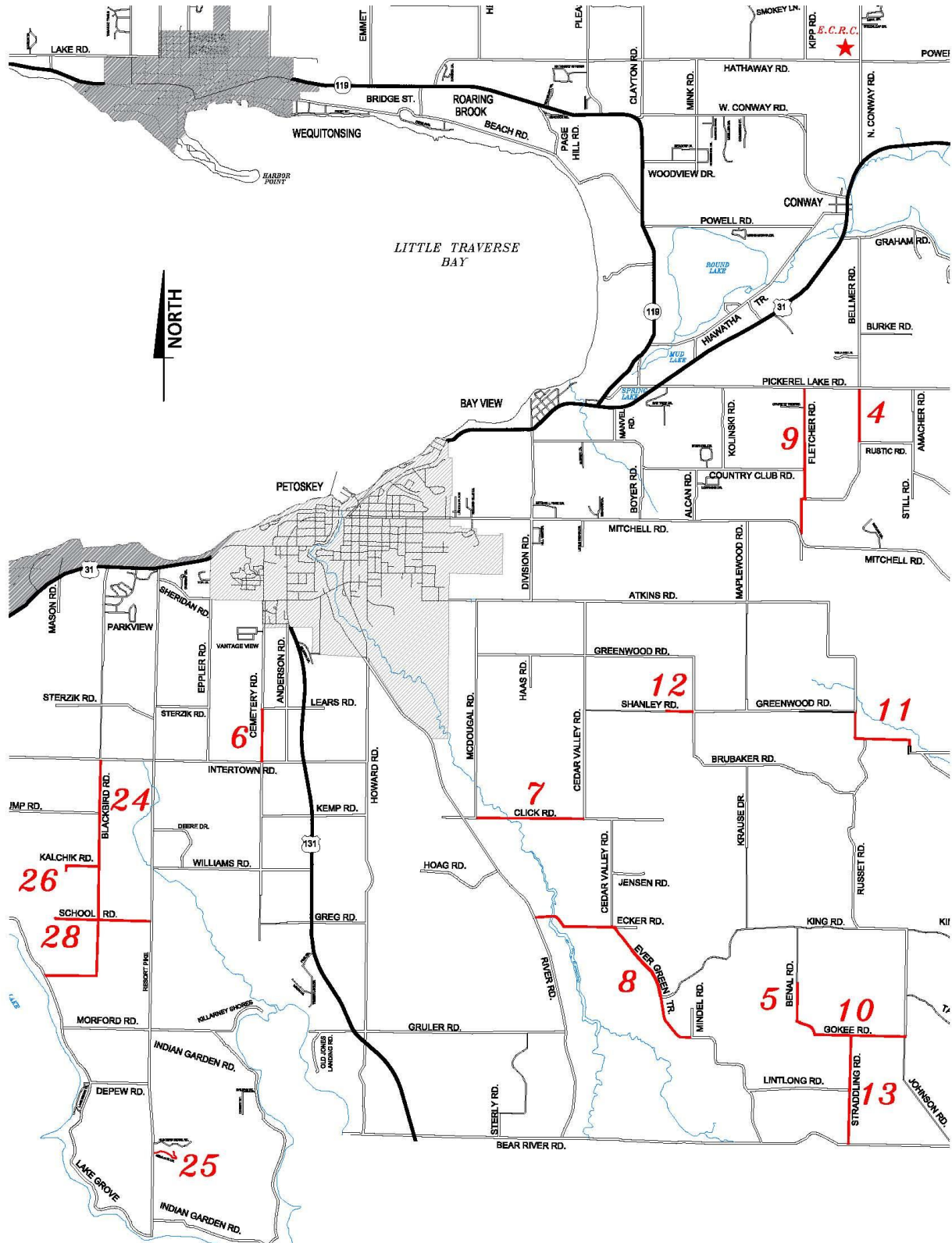
- Length: 0.86 miles
- Width:
  - 22.5 Ft - Station 0+00 to 25+34
  - 25.0 Ft – Station 26+58 to 45+84
- Extra Area: Flares at Resort Pike, Blackbird Rd. and turnaround.
- Project Stations
  - 0+00 P.O.B.1 – (16 feet west of centerline Resort Pike)
  - 26+34 P.O.E.1 – Edge of pavement Blackbird Rd. / pavement joint.
  - 26+46 Centerline Blackbird Rd.
  - 26+58 P.O.B.2 - Edge of pavement Blackbird Rd. / pavement joint.
  - 45+84 P.O.E.2 – end of turnaround.

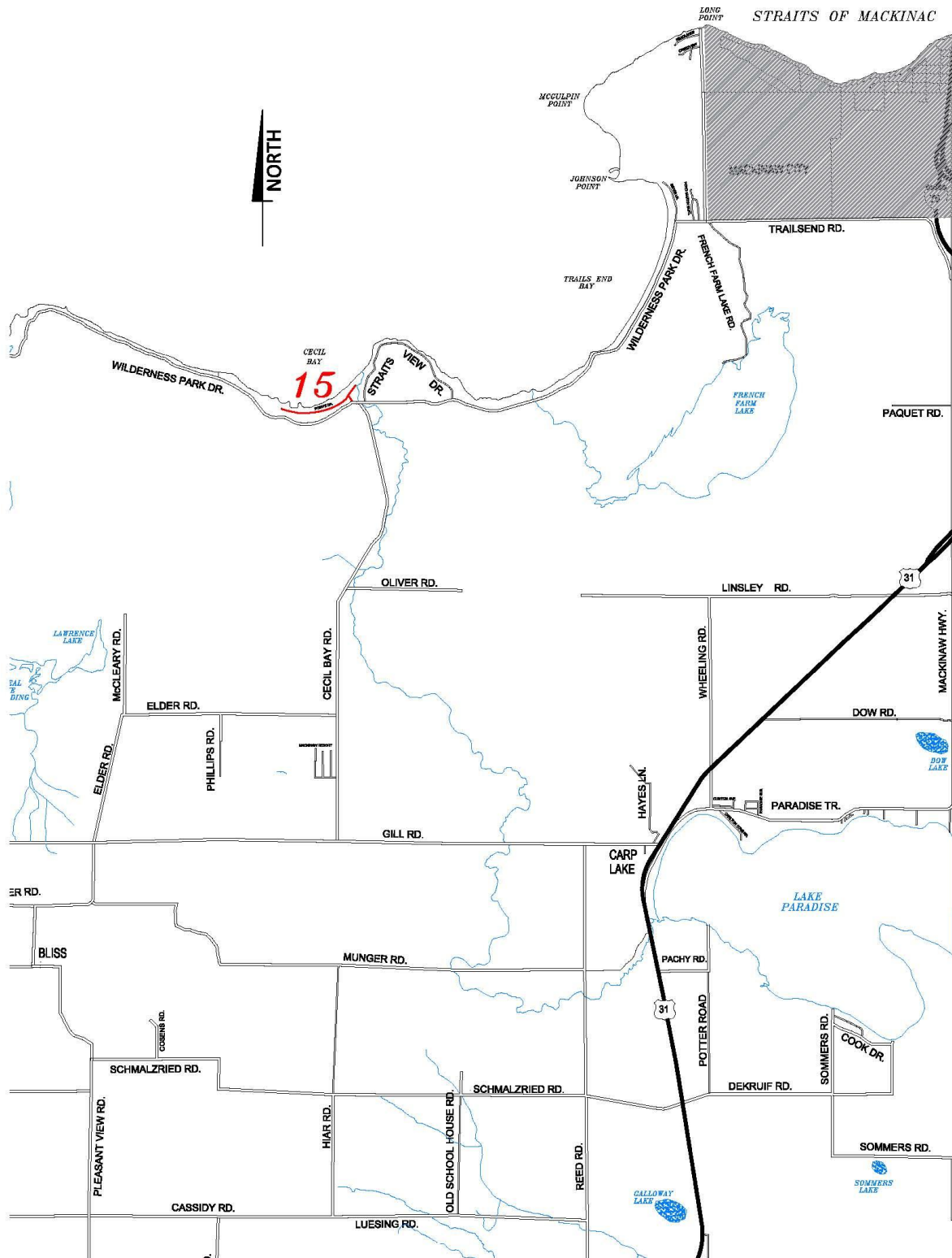
Pay Item	Quantity	Unit
Seal, Single Chip	12,329	Syd
Seal, Fog	12,329	Syd
Pavt Mrkg, Waterborne, 4 inch, Yellow	6,840	Ft
Pavt Mrkg, Waterborne, 2 <sup>nd</sup> Application, 4 inch, Yellow	6,840	Ft
Raised Pavt Marker, Temp, Type 1, Yellow, Bidirectional, Mod	24	Ea

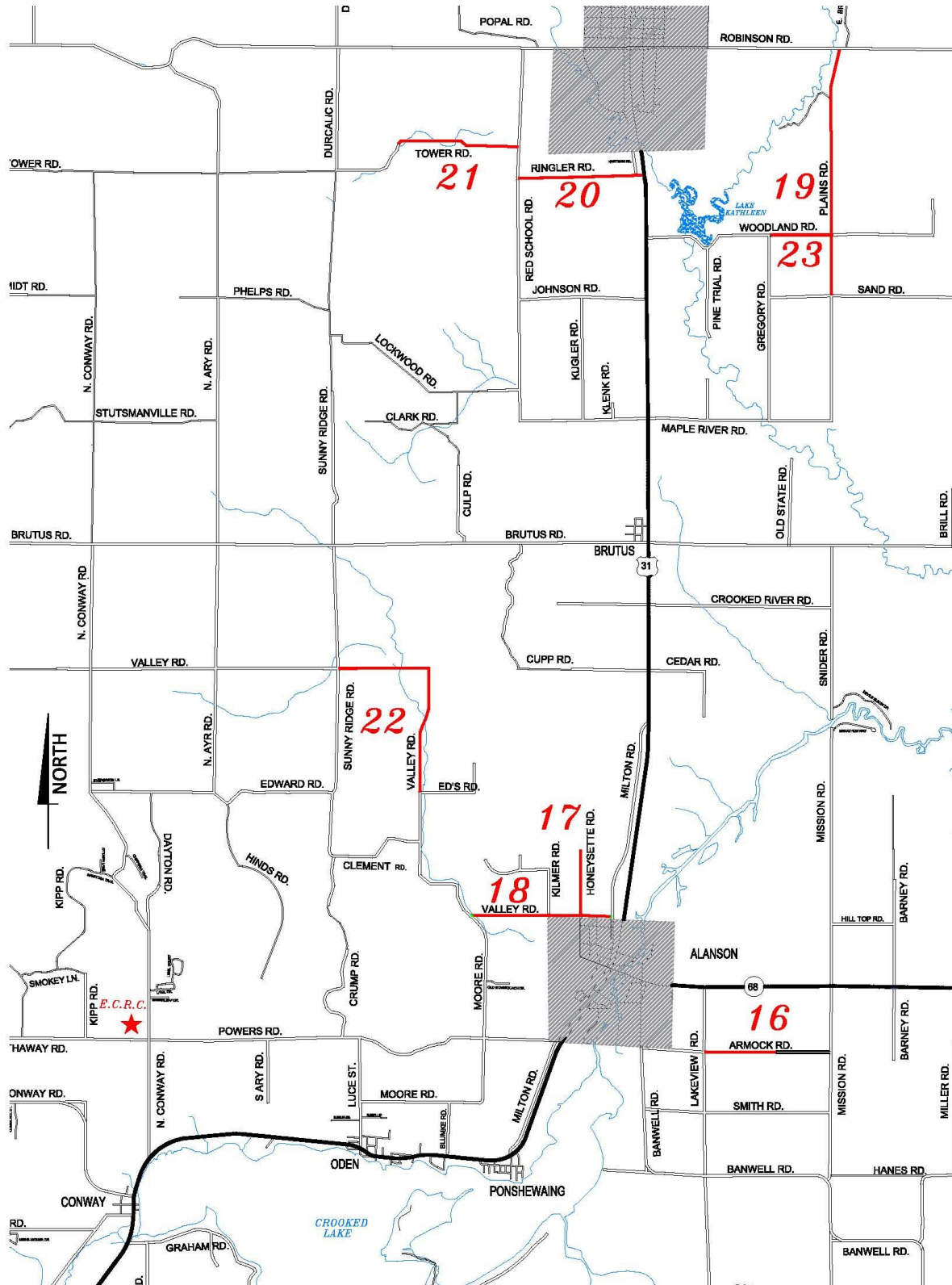
## LOCATION MAPS



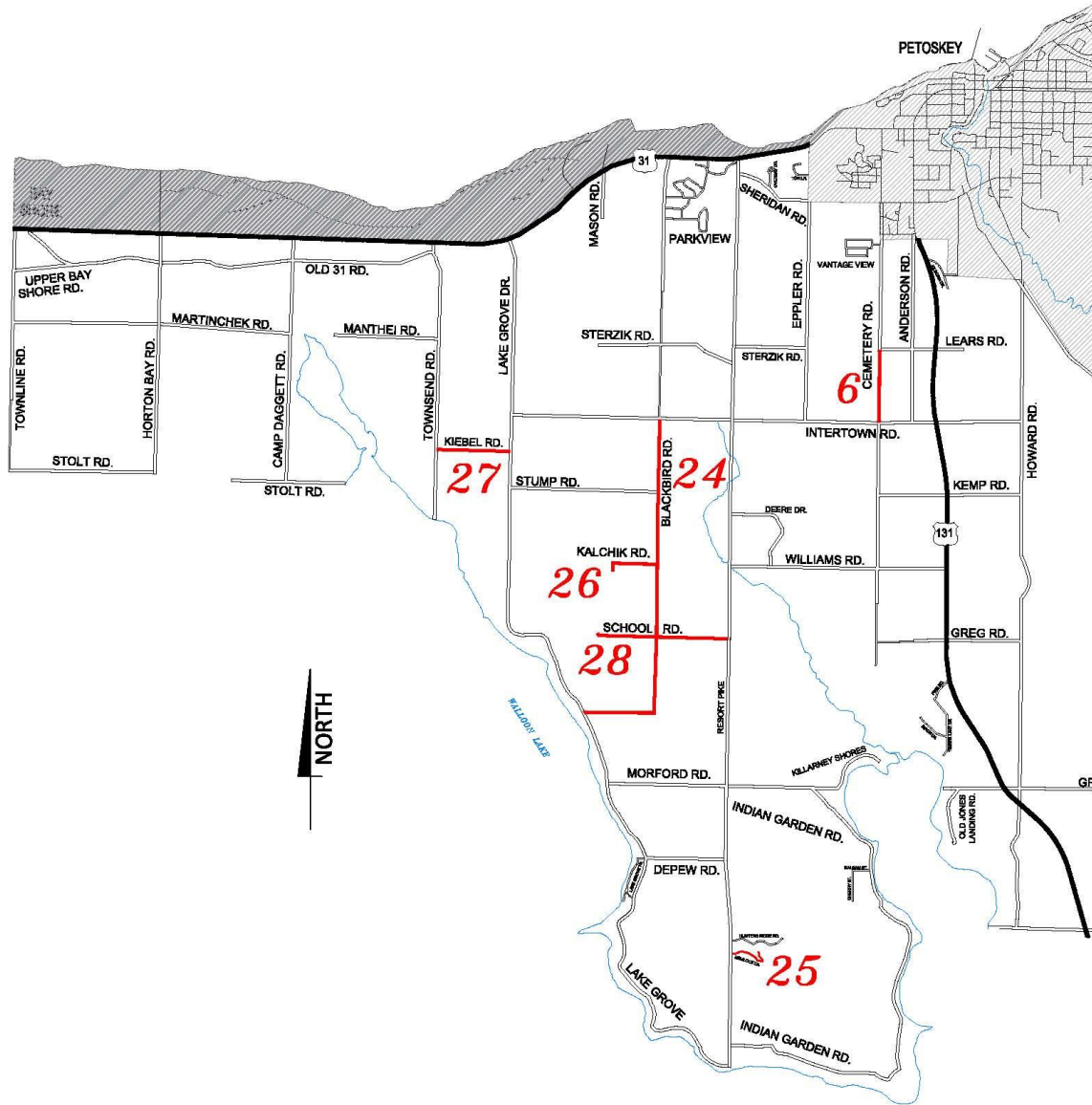














## **PAVEMENT MARKINGS**

### Temporary Raised Pavement Markings (TRPM's)

TRPM's shall be placed along the centerline at 200 foot intervals along straightaways and 100 foot intervals in curved portions of the road.

All Labor, Equipment and materials necessary to place TRPM's shall be paid for as **Raised Pavt Marker, Temp, Type 1, Yellow, Bidirectional, MOD (Ea).**

### Permanent Pavement Markings

Traffic will be maintained by the Contractor during construction, in accordance with the contract Special Provisions and the 2011 Michigan Manual of Uniform Traffic Control Devices, as revised.

All pavement markings, shapes and dimensions shall conform with the Michigan Department of Transportation Pavement Marking Typical PAVE-905-SERIES, unless otherwise indicated. Pavement Markings shall be placed in accordance with the 2011 Michigan Manual of Uniform Traffic Control Devices. All zoning shall be the responsibility of the contractor. Payment for zoning shall be included in the items for pavement markings.

## **MISCELLANEOUS ITEMS OF WORK**

The following items shall be used as they apply throughout the entire project.

Item	Quantity	Unit
Mobilization, Max \$166,400	1	LSUM

## **GENERAL NOTES**

All work being performed will be conducted in the safest manner possible and appropriate PPE shall be used at all times. All work shall be done in accordance with the Michigan Department of Transportation 2020 Standard Specification for Construction. Contractor assumes all responsibilities for Quality Control (QC) to assure the plans and specifications are met per the contract and to provide professional craftsmanship in each task being performed. Any errors in plans or discrepancies found in the field shall be brought to the engineer's attention immediately. All materials shall meet the requirements of the Michigan Department of Transportation Materials Source Guide.

The Emmet County Road Commission, in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C 2000d to 2000d-4 and Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office the Secretary, Part 21, Nondiscrimination in Federally assisted programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

### Site Cleanup

The Contractor shall keep the work site clean of trash and other debris. At the end of each day, the project shall be inspected, and all trash removed. No payment shall be made for this work.

### Bonding Requirements

The successful Contractor shall furnish a performance bond equal to the contract price as assurance for faithful contract performance.

The Contractor shall also furnish a separate **surety bond** equal to the contract price as security for payment to all persons performing labor and furnishing materials in connection with this contract. The Contractor shall pay the premium for all bonds.

The bonds must meet requirements of Michigan Law.

***Bonds shall be submitted and approved before contract execution.***

### Insurance requirements

The Contractor shall furnish proof of general liability insurance in amounts not less than \$2,000,000 each occurrence and general aggregate, proof of automobile liability in amounts not less than \$2,000,000 combined single limit for each accident, bodily injury per accident, and property damage per accident, and in amount not less than \$1,000,000 for bodily injury per person. Such proof of insurance shall include a valid certificate of insurance demonstrating that the Emmet County Road Commission is additional insured party on the policy. Such insurance shall cover a period not less than the term of the project and shall provide that it cannot be cancelled without 30 days advanced written notice to the Emmet County Road Commission, by certified mail, first class, return receipt requested. The Contract/Project Agreement will be invalid if insurance expires during the authorized period of work described.

In addition to any liability or obligation by the Contractor that may otherwise exist, Contractor shall, to the fullest extent permitted by law, indemnify and hold harmless the Emmet County Road Commission and its commissioners, officers, agents and employees from and against any and all claims, actions, proceedings, liabilities, losses, and damages thereof, and any and all costs and expenses, including legal fees, associated therewith which the Emmet County Road Commission may sustain by reason of claims for or allegations of negligence or violation of the terms and conditions of the Contract/Project Agreement, arising out of the work which is subject of the Contract.

### Liquidated Damages

Liquidated damages will be assessed for failure to complete this project by the specified date, or by the allowed number of days specified once work begins, due to lack of effort, poor organization or ability to perform on the Contractor's part. Liquidated Damages may be waived by the Project Engineer. Liquidated damages will be assessed according to the table below:

Project Award Amount	Liquidated Damages
\$0 - \$150,000	\$500 per Calendar Day
\$150,001 - \$500,000	\$750 per Calendar Day
Over \$500,000	\$1,000 per Calendar Day

**BID SHEET**

Board of Emmet County Road Commissioners  
 2265 East Hathaway Road  
 Harbor Springs, MI 49740

The undersigned proposes to furnish any and all materials, labor, and equipment necessary for the 2026 County Wide Chip Seal Project as spelled out in the "Invitation to Bid" for the prices below.

The Emmet County Road Commission reserves the right to reject any and/or all bids based on what is in the best interest of Emmet County.

Contractor Name: \_\_\_\_\_

Project:  
 2026 County Wide Chip Seal Project

Item	Quantity	Unit	Unit Price	Total
Mobilization, Max \$166,400	1	LSUM		
Seal, Single Chip	496,100	Syd		
Seal, Fog	515,091	Syd		
Pavt Mrkg, Waterborne, 4 inch, White	92,315	Ft		
Pavt Mrkg, Waterborne, 4 inch, Yellow	267,588	Ft		
Pavt Mrkg, 2 <sup>nd</sup> Application, 4 inch, White	92,315	Ft		
Pavt Mrkg, 2 <sup>nd</sup> Application, 4 inch, Yellow	267,588	Ft		
Pavt Mrkg, Polyurea, Lt Turn Arrow Sym	1	Ea		
Pavt Mrkg, Polyurea, Thru Arrow Sym	1	Ea		
Raised Pavt marker, Temp, Type 1, Yellow, Bidirectional, Mod	1049	Ea		
Traffic Control, Max \$41,600	1	LSUM		
TOTAL PROJECT COST ESTIMATE =				

Specify Stone Type, Source and AWI:

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If the Emmet County Road Commission elects to add roads to this project after bidding, please specify the latest date to notify the bidder:

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Bidder: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Signature: \_\_\_\_\_

Phone No.: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Date: \_\_\_\_\_

Title: \_\_\_\_\_

Email: \_\_\_\_\_

20RC500(A035)

MICHIGAN  
DEPARTMENT OF TRANSPORTATION  
SPECIAL PROVISION  
FOR  
**FOG SEAL**

CFS:RAG

1 of 4

APPR:KPK:CJB:04-22-20

**a. Description.** This work consists of an application of a fog seal. A fog seal is a light application of a slow-setting emulsified asphalt diluted with water. Ensure all work and materials are in accordance with the standard specifications, except as modified herein.

**b. Materials.** Provide materials in accordance with subsection 904.03 of the Standard Specifications for Construction with the following alternative:

1. Asphalt Emulsion. Provide Cationic Quick Setting Emulsified Asphalt (CQSEA) meeting the requirements of Table 1.

Dilute asphalt emulsion, at a maximum of one part asphalt emulsion to one part water, at the emulsion plant.

**c. Equipment.** Use equipment that is safe, environmentally acceptable, and capable of producing a quality product.

1. Pressure Distributor. Ensure the pressure distributor has the following characteristics:

- A. Has a ground speed computer-controlled device interconnected with the asphalt emulsion pump such that the specified application rate is supplied at any speed.
- B. Is capable of maintaining the asphalt emulsion at the specified temperature.
- C. Has spray bar nozzles capable of producing a uniform fan spray and with shutoff control that is instantaneous, with no dripping.
- D. Is capable of maintaining the specified application rate within  $\pm 0.015$  gallons per square yard (gal/syd) for each load.

2. Miscellaneous. Provide a power broom and all necessary hand tools, thermometers, etc. Ensure distributors and power brooms are equipped with at least one visible approved flashing, rotating, or oscillating amber light.

**d. Pre-Paving On-Site Meeting.** A pre-paving meeting between the Engineer and Contractor will be held prior to beginning work. The agenda for this meeting will include a review of the following:

- 1. Work schedule,
- 2. Traffic control plan.
- 3. Equipment calibration and adjustments,
- 4. Condition of materials and equipment, and

20RC500(A035) CFS:RAG

2 of 4

04-22-20

5. Quality control plan (job mix formula (JMF), Yield Check Methods, etc.).

**e. Construction.** Place the longitudinal construction joint at the edge of metal of the driving lane; at a location requiring a minimal overlap onto the driving lane; or at a location requiring a minimal overlap of the new longitudinal joint resulting from milling and resurfacing.

Where corrugations are present longitudinal joints are to be constructed at the outside edge of the far side of the corrugation on the first pass. Place the longitudinal joint at the outside edge of the opposite side of the corrugation for the second application.

If applying fog seal to a chip seal, complete application of the fog seal within 48 hours of the completion of the chip seal, but not on the same day as the application of chip seal.

Apply the fog seal only when the pavement and air temperature is 55 degrees Fahrenheit (F) or above. Do not apply the fog seal if there is threatening weather and temperatures are forecast to be below 32 degrees F within 24 hours from the time of application.

Use pressure sufficient to apply emulsion at a uniform rate, but without splattering or drilling from the spray bar. Adjust nozzle angle and spray bar height to ensure correct spray pattern.

Apply fog seal at a rate of 0.07 to 0.15 gallons of diluted material per square yard of pavement treated. Ensure the fog seal application results in a uniform coverage of emulsion just sufficient to flow into and seal the pavement pores, small cracks, and voids. The asphalt emulsion application rate, as determined by a yield check, must not exceed a tolerance of  $\pm 0.015$  gal/syd from the established JMF application rate.

If a condition is identified that causes an unsatisfactory fog seal, stop all production work and perform corrective action immediately at no additional cost to the contract. If there are adverse environmental conditions, provide the Engineer an action plan that clearly demonstrates how the fog seal operation will be adjusted for the actual environmental conditions.

Allow the Engineer access to all work in progress for the purpose of quality assurance review and testing.

**f. Quality Control.** Establish, maintain, and follow an effective quality control system in accordance with current Department procedures. The quality control system must detail plans, procedures, and organization necessary to furnish and apply a fog seal that complies with the contract. Follow the quality control system until work is accepted.

Establish, maintain, and follow a Contractor Quality Control (CQC) plan sufficient to ensure that the warranty related treatment complies with the contract. The CQC plan must cover all fog seal operations. Submit a copy of the plan to the Engineer, at the preconstruction meeting, for approval. Follow the approved plan throughout the project.

Include the following information, at a minimum, in the CQC plan:

1. Materials to be used on the project.

20RC500(A035) CFS:RAG

3 of 4

04-22-20

2. Sampling and testing methods used to determine compliance with material specifications.

3. Equipment to be used on the project.

4. Calibration method used to determine compliance with the application rates.

5. Procedures for pavement preparation.

6. Controls implemented by the Contractor to ensure that the fog seal material is cured or set up satisfactorily before opening to traffic.

7. Procedures implemented by the Contractor for monitoring initial acceptance requirements.

**g. Documentation.** Provide the Engineer a daily report including the following information:

1. Control section, project number, county, route, Engineer;

2. Date, air temperature, pavement temperature, humidity;

3. Asphalt emulsion temperature;

4. Beginning and ending stations;

5. JMF: application and dilution rates (asphalt emulsion);

6. Yield checks on asphalt emulsion (3 per day, minimum);

7. Length, width, total square yards; and

8. Contractor's signature.

Provide asphalt emulsion documentation in accordance with current Department acceptance procedures.

**h. Measurement and Payment.** The completed work, as described, will be measured and paid for at the contract unit price using the following pay item:

**Pay Item Pay Unit**

Seal, Fog ..... Square Yard ‘ ‘

**Seal, Fog** includes placement of the asphalt emulsion including surface preparation, stationing, and documentation.

20RC500(A035)



CFS:RAG

4 of 4

04-22-20

**Table 1: Cationic Quick Setting Emulsified Asphalt (CQSEA)**

	Requirements CQSEA
Viscosity, Saybolt Furol, AASHTO T59/ASTM D7496: At 25 °C, sec	20–100
Storage Stability Test, AASHTO T59/ASTM D6930, 24 hr, % Difference, max	1
Particle Charge Test, AASHTO T59/ASTM D7402 (a)	Positive
Sieve Test, AASHTO T59/ASTM D6933, % max (Distilled Water)	0.10
Residue, min	60
Tests on Distillation Residue:	
Penetration, 25 °C, 100 g, 5 sec, dmm, AASHTO T49/ASTM D5/D5M	40–90
Ductility, 25 °C, 5 cm/min, cm, min, AASHTO T51/ASTM D113	40
Solubility in Trichloroethylene, % min, AASHTO T44/ASTM D2042	97.5
Ash Content, % max, ASTM D128	2
a. If Particle Charge Test is inconclusive, material having a maximum pH of 6.7 is acceptable.	