



*Eaton County*  
**Road  
Commission**

February 9, 2017

Duane A. Eldred  
*Chair*

**NOTICE TO BIDDERS**

Timothy J. Lamoreaux  
*Vice Chair*

Sealed proposals will be received by the Board of County Road Commissioners of the County of Eaton, Michigan at 1112 Reynolds Road, Charlotte, MI 48813, until 6:30 P.M., Tuesday, February 28, 2017 at which time and place proposals will be publicly opened and read aloud for furnishing and delivering the following:

Jerry L. Frazier  
*Member*

Benjamin S. Lyons  
*Member*

**DUST CONTROL**

Dorothy E. Maxwell  
*Member*

Specifications, bid blanks, and further information may be obtained at the offices of the undersigned, 1112 Reynolds Road, Charlotte, MI, 48813, Telephone (517) 543-1630 or (877) 883-2866.

Blair E. Ballou, P.E.  
*Engineer-Manager*

All proposals must be submitted in sealed envelopes bearing the name of the bidder and clearly marked with a notation indicating the service or material for which the bid is submitted.

Lori N. Friedlis, CPA  
*Director of Finance*

The Board reserves the right to accept or reject any or all bids, to waive irregularities in any proposal, and to make the award in any manner deemed in the best interest of the County of Eaton.

1112 Reynolds Road  
Charlotte, MI 48813

**BOARD OF COUNTY ROAD COMMISSIONERS  
OF THE COUNTY OF EATON, MICHIGAN**

Telephone  
517-543-1630  
Toll-Free  
877-883-2866

Duane A. Eldred, Chair  
Timothy J. Lamoreaux, Vice Chair  
Dorothy E. Maxwell, Member  
Benjamin S. Lyons, Member  
Jerry L. Frazier, Member

Fax  
517-543-2608

Email  
ecrc@eatoncountyrroad.com

EATON COUNTY ROAD COMMISSION  
SPECIFICATIONS  
FOR  
**2017 COUNTY WIDE DUST CONTROL PROGRAM**

ECRC

02/08/17

**DESCRIPTION**

The work for **DUST CONTROL - Mile** shall consist of furnishing and spreading the annual requirements of calcium chloride solution or mineral well brine on all county gravel roads in Eaton County. The annual dust control program includes two (2) separate applications to all gravel surfaced local roads in Eaton County during calendar 2017.

**MATERIAL**

The dust control materials furnished by the successful bidder shall be one of the following: a manufactured/processed calcium chloride solution, or a natural mineral well brine solution meeting these specifications.

Unprocessed brines produced from oil and/or gas wells, or brines produced as a by-product of oil and/or gas production operations or processing facilities are NOT ACCEPTABLE materials and shall not be used. The chloride solution furnished shall contain sufficient calcium chloride (CaCl) and/or magnesium chloride (MgCl), such that the combined total percentage of CaCl and MgCl in the solution is a minimum of 12% by weight. The solution shall not contain organic, hydrocarbon, or any other deleterious materials in excess of the applicable Michigan Department of Environmental Quality (MDEQ) standards for chloride materials used as dust palliatives on public roads.

All bidders shall furnish a chemical analysis of the chloride material to be supplied together with the bid. The chemical analysis shall be prepared by an independent testing laboratory within 6 months prior to the bid opening date. The analysis shall include the measured specific gravity, the **percent by weight** of calcium chloride, magnesium chloride, and sodium chloride, and together with measured levels of any organic or hydrocarbon materials, and any other materials that are regulated by MDEQ standards regarding dust palliative application.

**APPLICATION SCHEDULE**

The first application shall be made between the dates of May 15 and June 16, 2017, and the second application shall be made between the dates of July 17 and September 1, 2017. The successful bidder shall coordinate with the Road Commission to schedule the start date of each application in each area of the county. The road commission and the successful bidder will endeavor to accommodate the work schedule of both parties in scheduling the exact dates of each application.

The Road Commission reserves the right to modify the schedule as may be necessary due to weather limitations as determined by the Road Commission.

Application of dust control solution shall be done during daylight hours only, Monday through Saturday, and exclusive of holidays. Application will not be permitted during or immediately after heavy rain, nor if heavy rain is predicted, at the discretion of the Road Commission.

## **DELIVERY**

The successful bidder shall provide a sufficient number of trucks to furnish, deliver and apply a minimum of 100,000 gallons of chloride solution per day. The successful bidder shall furnish a load ticket with each load of material delivered, including such information as may be necessary to determine accurate dates, quantities of material delivered, and individual roads where the material was placed.

## **APPLICATION**

All applications shall be continuous from road intersection to road intersection excluding paved bridge decks and paved bridge approaches.

The application width for dust control shall be 16 feet and centered along the middle of the road.

The successful bidder shall apply dust control at the following rates:

If the material supplied is a manufactured 38% calcium chloride solution, then the application rate shall be 1,500 gallons per mile.

If the material supplied is a natural brine or a manufactured solution of any other concentration than that of 38% CaCl, the application rate used shall be the rate that is necessary to place a total combined weight in pounds of solid calcium chloride (CaCl) and/or solid magnesium chloride (MgCl) that is equivalent to the solid calcium chloride contained in an application of 1500 gallons per mile of 38% calcium chloride solution (6,595 lbs).

Each bidder that proposes to use a natural brine or manufactured chloride solution other than a manufactured 38% CaCl solution shall indicate on the bid blank the number of gallons per mile that the bidder shall provide.

## **ROAD PREPARATION**

The Eaton County Road Commission will prepare the road surface by blading or grading the road surface in advance of the spreading operations to assure a reasonable smooth surface on which to apply the chloride solution. This work will be accomplished in stages containing at least 100 miles of road. The Road Commission will closely coordinate this work with the expected schedule of the Dust Control contractor, and will notify the contractor at least 1 week in advance of the planned day for dust control application.

## **INSPECTION and MATERIAL TESTING**

The Eaton County Road Commission will inspect the dust control application as it progresses. Inspectors will collect load tickets from the tanker drivers as each load of dust control material is delivered and applied. Inspectors will notify the drivers if application rates are too low for each load to allow for adjustment. Drivers may be required to make a second pass during the same application if the Road Commission determines the quantity was too low on the first pass.

Inspectors will collect material samples from the tanker trucks on the road. The truck drivers shall cooperate with the inspector to provide for sampling. One sample per 20 miles of roadway will be collected, with a minimum of 1 sample per day. Material that does not meet the analysis provided with the bid will be re-applied as necessary to meet the minimum quantity of calcium chloride specified at no additional cost to the Road Commission.

If the samples show consistently different quantity of calcium chloride and/or magnesium chloride compared to the analysis supplied at the time of the bid, application rates shall be adjusted to meet the minimum calcium and magnesium chloride specified. Payment for any and all costs for the adjusted application rate shall be considered as included the original bid price per mile, and will not be paid for separately nor in addition to the original bid price per mile.

### **INSURANCE**

The contractor shall provide adequate insurance coverage and will provide the Eaton County Road Commission with a certificate of insurance satisfactory to the Board. The contractor shall save harmless of The Eaton County Road Commission and its Employees against all claims for damages to public or private property for injuries arising out of and during the progress of the work and to the completion of the work. Contractor will meet the insurance requirement set forth in Section 1.07.10 of the Michigan Department of Transportation 2012 Standard Specifications for Construction.

### **MEASUREMENT and PAYMENT**

Load tickets for each load of chloride solution applied shall be furnished with the following information: Truck number/designation, date, gallons, roads sprayed, and must be furnished to an inspector at the time of application. The inspector will review and verify the completed dust control application on each segment of roadway and record the total length of roadway completed each day. Payment will be made by the road commission based on the total length of roadway completed in miles using the state certified length of each road segment completed times the bid unit price per mile.

In addition to the bid unit price per mile, the contractor will also provide a bid price per gallon for mineral well brine and/or chloride solution, to be furnished at the contractors well head or production/storage facility, and loaded into tanker trucks furnished and operated by the Eaton County Road Commission. Indicate name and location of wellhead or production/storage facility to be used on the bid blank.

Delivery tickets for chloride material loaded into tanker trucks provided by the Eaton County Road Commission shall be furnished by the contractor to the tanker driver at the time of loading, and shall at a minimum include the material type, date, time, gallons, truck number, and plant operators name.

### **BIDDING**

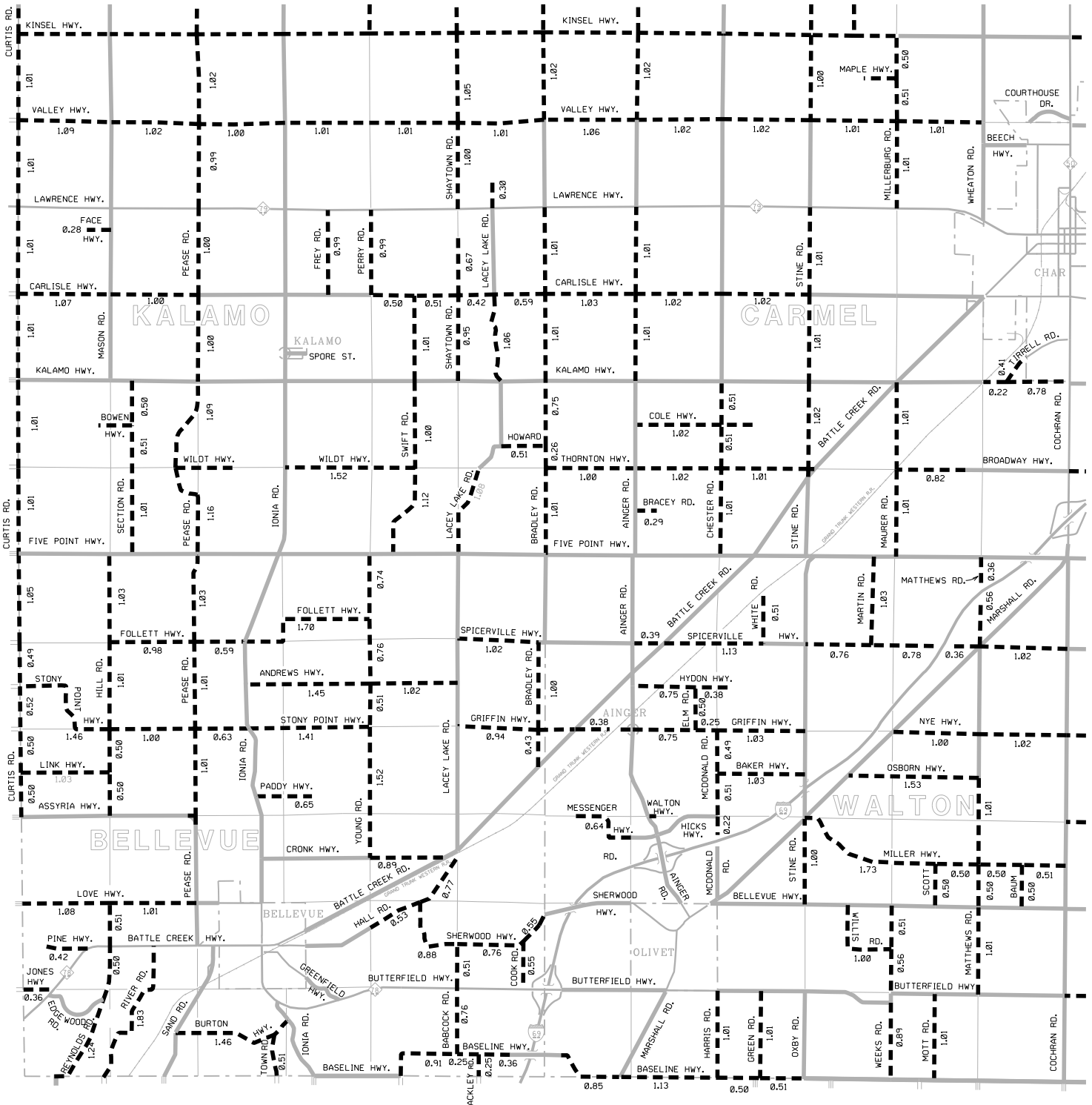
Bids must be submitted on bidding blanks furnished by the Eaton County Road Commission and all proposals must be in sealed envelopes bearing the name of the bidder with a notation indicating "DUST CONTROL BID."

Note that the bid blank includes separate quantities and separate unit price amounts for four (4) separate areas in Eaton County. **IT IS THE INTENT OF THE ROAD COMMISSION TO MAKE MULTIPLE AWARDS FOR THE WORK IN THIS BID.** Bidders may submit bids on the work in any single area of the county, or multiple areas of the county, or in any number or combination of areas up to and including all four(4) areas.

The Board of Eaton County Road Commissioners reserves the right to reject any or all bids, waive defects, and accept the bid which, in their opinion, is the most advantageous to the County of Eaton.

This agreement may be extended for 1 year upon mutual agreement of both parties.

# EATON COUNTY DUST CONTROL MAP SOUTH WEST



KALAMO TWP TOTAL MILES: 38.10

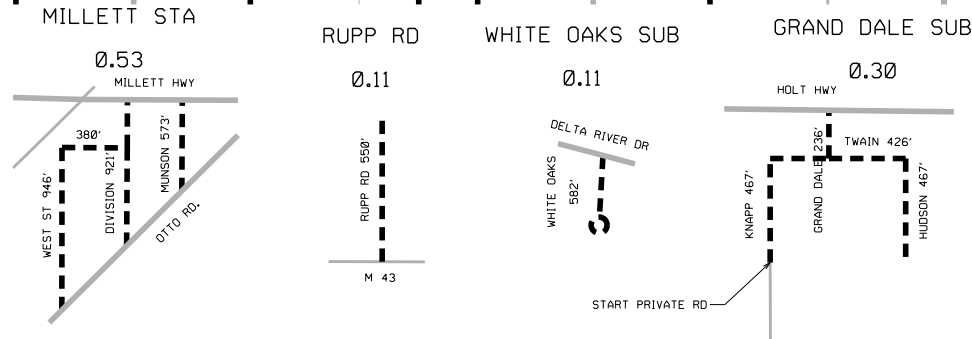
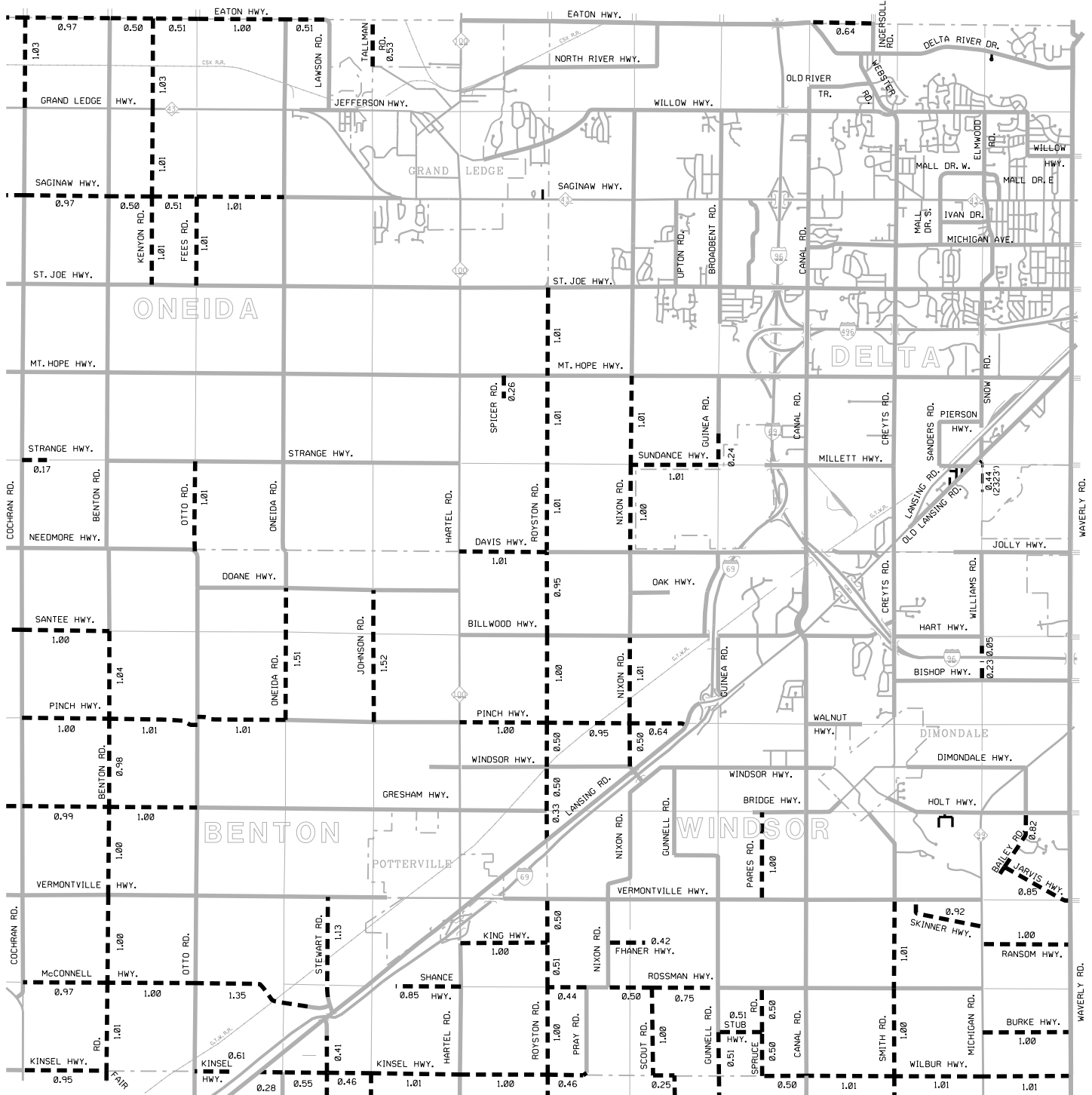
CARMEL TWP TOTAL MILES: 32.97

BELLEVUE TWP TOTAL MILES: 44.88

WALTON TWP TOTAL MILES: 34.12

SW QUADRANT TOTAL MILES: 150.07

# EATON COUNTY DUST CONTROL MAP NORTH EAST

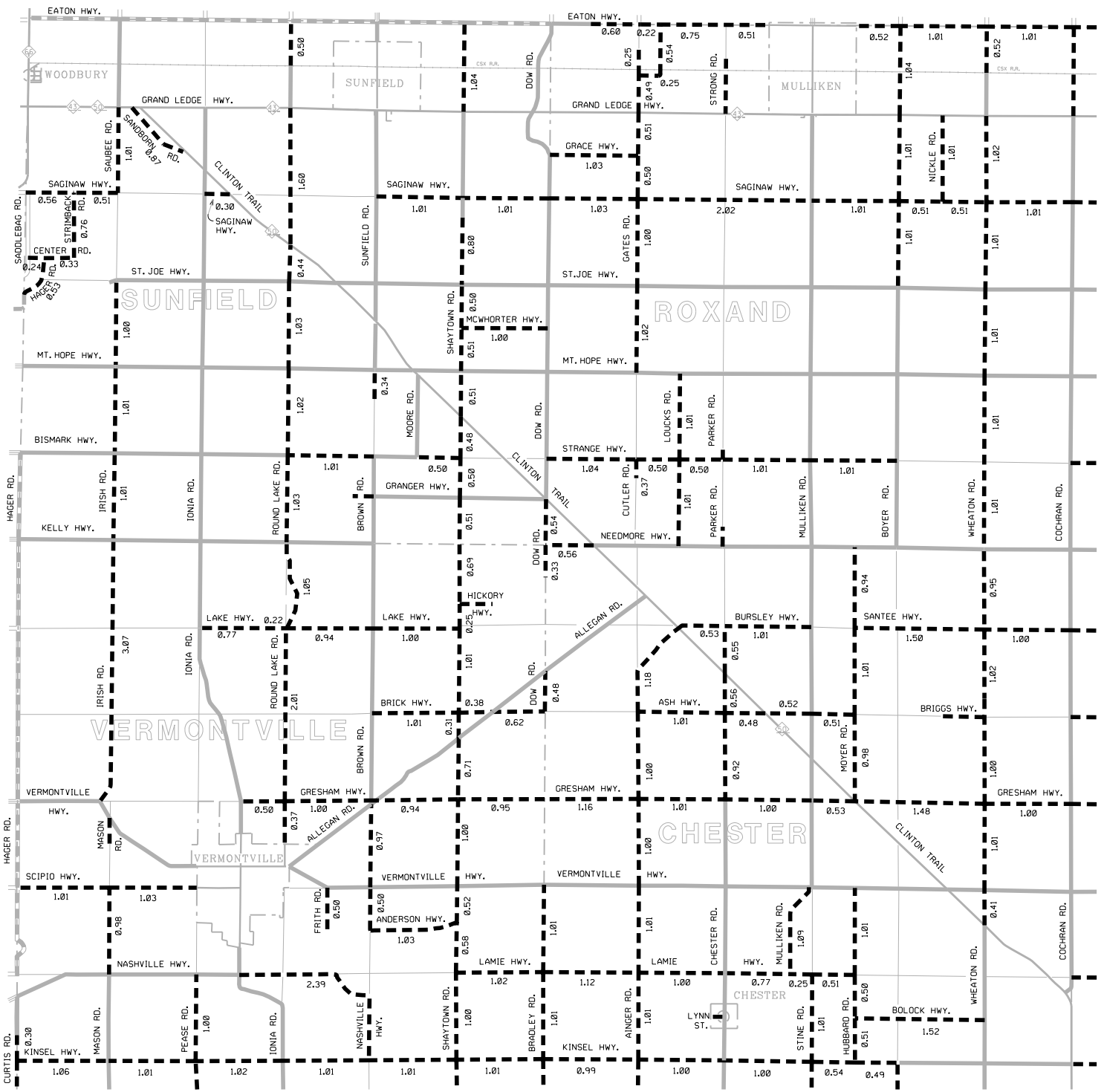


ONIEDA TWP TOTAL MILES: 14.66  
 DELTA TWP TOTAL MILES: 8.01  
 BENTON TWP TOTAL MILES: 26.64  
 WINDSOR TWP TOTAL MILES: 25.94

NE QUADRANT TOTAL MILES: 75.25

# EATON COUNTY DUST CONTROL MAP NORTH WEST

----- ECRC BRINE



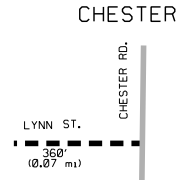
SUNFIELD TWP TOTAL MILES: 23.47

ROXAND TWP TOTAL MILES: 33.50

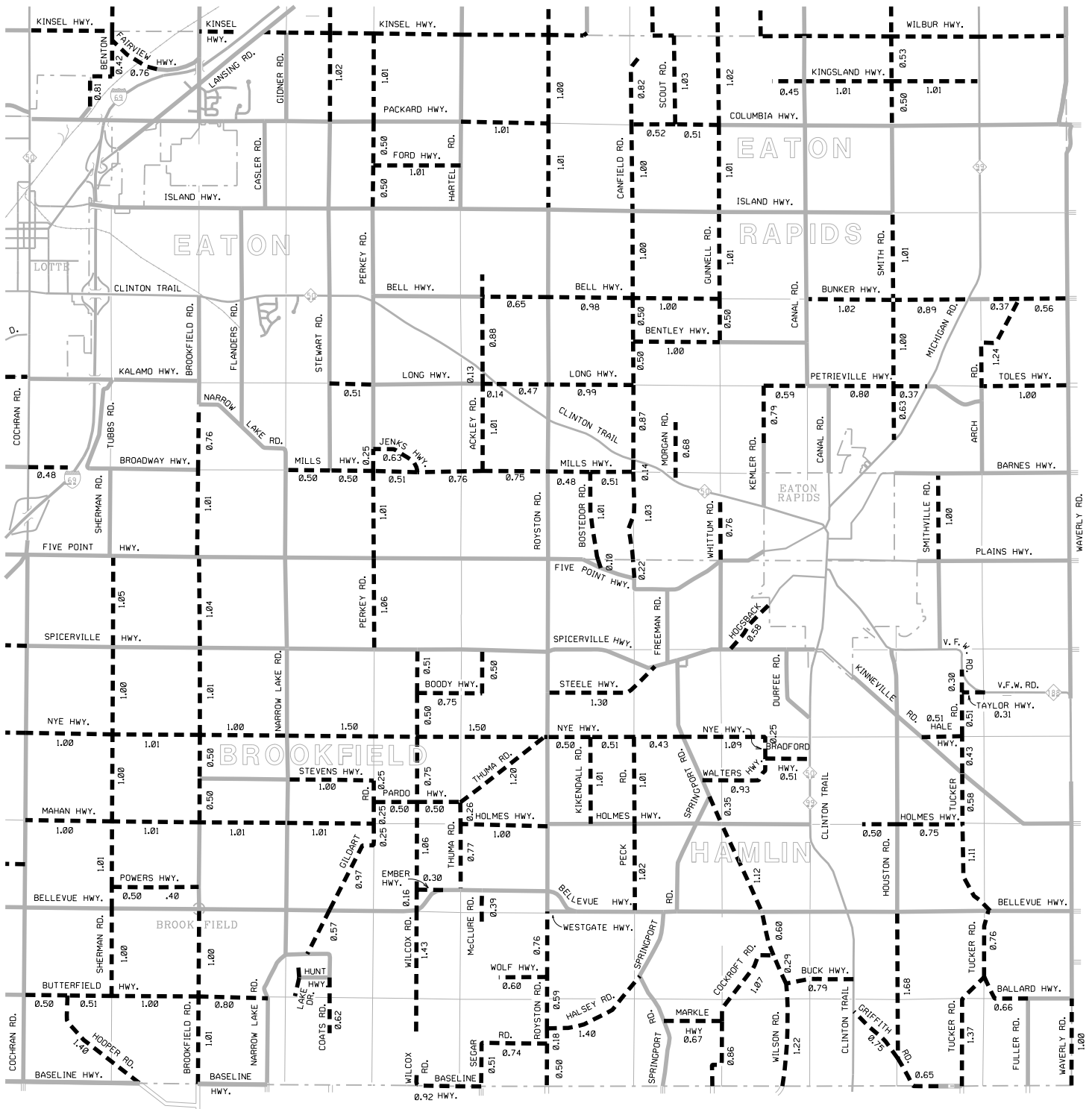
VERMONTVILLE TWP TOTAL MILES: 37.75

CHESTER TWP TOTAL MILES: 43.50

NW QUADRANT TOTAL MILES: 138.22



# EATON COUNTY DUST CONTROL MAP SOUTH EAST



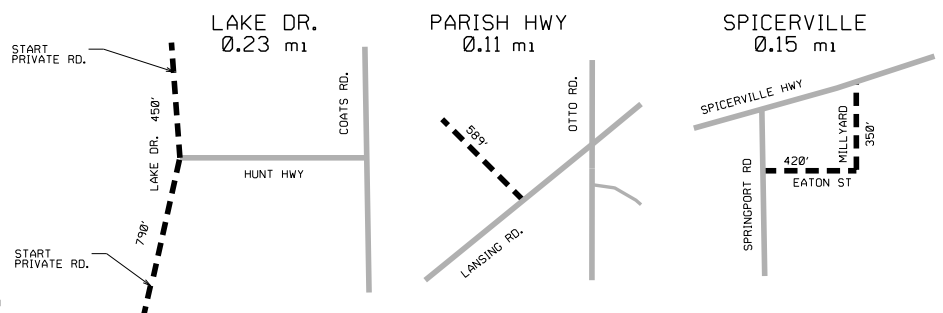
EATON TWP TOTAL MILES: 18.10

EATON RAPIDS TWP TOTAL MILES: 35.65

BROOKFIELD TWP TOTAL MILES: 43.82

HAMLIN TWP TOTAL MILES: 31.88

SE QUADRANT TOTAL MILES: 129.45





**EATON COUNTY ROAD COMMISSION**

**2017 COUNTY WIDE DUST CONTROL  
BID BLANK**

Eaton County Road Commission  
1112 Reynolds Road  
Charlotte, MI 48813

02/09/2017

Bidders:

This bid is for DUST CONTROL, meeting Eaton County Road Commission specifications and the Michigan Department of Transportation 2012 Standard Specifications for Construction, to be furnished, delivered, and spread on Eaton County Roads as noted in the specifications. All bid prices shall remain firm through December 16, 2017.

Bids for Dust Control will be reviewed and will be awarded for each area separately. Each area contains 4 townships. Estimated number of miles of gravel roads to receive dust control during each application are provided below. Payment will be based on the actual miles placed and is subject to change. The bidders are bidding to place 2 applications of dust control.

**DUST CONTROL**

<b><u>AREA</u></b>	<u>Miles per Application</u>	<u>Unit Price per Mile</u>	<u>Total Bid Price per Application</u>	<u>Material Supplied</u>	<u>Application Rate</u>
<b>Northeast</b> (Oneida, Delta, Windsor, Benton)	<u>75.18</u>	\$ _____	\$ _____	_____	_____
<b>Northwest</b> (Sunfied, Roxand, Vermontville, Chester)	<u>138.22</u>	\$ _____	\$ _____	_____	_____
<b>Southeast</b> ( Brookfield, Eaton, Eaton Rapids, Hamlin)	<u>129.41</u>	\$ _____	\$ _____	_____	_____
<b>Southwest</b> (Kalamo, Carmel, Bellevue, Walton )	<u>150.15</u>	\$ _____	\$ _____	_____	_____

County Wide Gravel Miles for  
Each Application = 492.96

	<u>Unit Price per Gallon</u>	<u>Wellhead/Production/Storage Facility Name and Location</u>
<b>Road Commission Tanker Fill</b>	\$ _____	_____
		_____

**EATON COUNTY ROAD COMMISSION**

**2017 COUNTY WIDE DUST CONTROL  
BID BLANK**

Bidders may submit bids for any area or combination of areas up to and including all four (4) quarters of the county

Bidder's remarks or exception, if any (Minimum loads, additional delivery costs, etc.):

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Terms:

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BIDDER (Company) \_\_\_\_\_

BY: \_\_\_\_\_

TITLE: \_\_\_\_\_

ADDRESS \_\_\_\_\_

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DATE: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_

FAX: \_\_\_\_\_

E-MAIL \_\_\_\_\_

Please provide e-mail address to be notified of future bids.