



*Eaton County*  
**Road  
Commission**

April 2, 2018

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 10:00 A.M., Friday, April 13, 2018 at which time and place proposals will be publicly opened and read aloud for furnishing and delivering the following:

Jerry L. Frazier  
**Member**

**DUST CONTROL**

Benjamin S. Lyons  
**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.

Dorothy E. Maxwell  
**Member**

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.

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

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.

Lori N. Friedlis, CPA  
**Director of Finance**

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

1112 Reynolds Road  
Charlotte, MI 48813

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

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

Fax  
517-543-2608

Email  
ecrc@eatoncountyroad.com

**EATON COUNTY ROAD COMMISSION**

**2018 COUNTY WIDE DUST CONTROL  
BID BLANK**

Eaton County Road Commission  
1112 Reynolds Road  
Charlotte, MI 48813

04/02/2018

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 15, 2018.

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)	188,125	\$ _____	\$ _____	_____	_____
<b>Northwest</b> (Sunfied, Roxand, Vermontville, Chester)	345,525	\$ _____	\$ _____	_____	_____
<b>Southeast</b> ( Brookfield, Eaton, Eaton Rapids, Hamlin)	323,625	\$ _____	\$ _____	_____	_____
<b>Southwest</b> (Kalamo, Carmel, Bellevue, Walton )	376,600	\$ _____	\$ _____	_____	_____

County Wide Gallons for Each Application = 1,233,875

	<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**

**2018 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.

EATON COUNTY ROAD COMMISSION  
SPECIFICATIONS  
FOR  
**2018 COUNTY WIDE DUST CONTROL PROGRAM**

ECRC

04/02/18

**DESCRIPTION**

The work for **DUST CONTROL - Gallon** 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 2018.

**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.

The mineral well brine shall meet the following specifications. All percentages are **percent by weight**:

- A. Calcium Chloride plus Magnesium Chloride: 18% minimum
- B. Sodium Chloride: 7% maximum
- C. Specific Gravity: 1.22 or greater at 68 degrees F

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 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 solution 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 1 and June 16, 2018, and the second application shall be made between the dates of July 1 and August 15, 2018. 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 at least 16 feet but no greater than 20 feet, and shall be centered along the middle of the road.

Minimum Application Rates:

Manufactured 38% calcium chloride solution - 1,500 gallons per mile single pass.

Mineral Well Brine – 2500 gallons per mile. If a second pass is required to meet the application rate, it shall be placed the same day as the first pass.

### **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. 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 QUALITY ASSURANCE**

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 to allow for adjustment. Drivers may be required to make an additional pass during the same application if the Road Commission determines the quantity was sufficiently low to require additional material.

Inspectors will collect material samples from the tanker trucks on the road. The truck drivers shall cooperate with the inspector to provide for sampling. A minimum of 1 sample per day will be collected. Material that does not meet the analysis provided with the bid shall 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, material type, date and time, gallons, and plant operators name. Drivers shall provide the roads where the material was sprayed for each load, and all load tickets must be furnished to the inspector prior to the end of the day. The inspector will review and verify the completed dust control application on each segment of roadway and record the total gallons placed each day.

Payment will be made on a per gallon basis with no allowance made for stronger solution. Payment will be in full for all labor, materials, and equipment needed to accomplish the work in accordance to these specifications.

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."

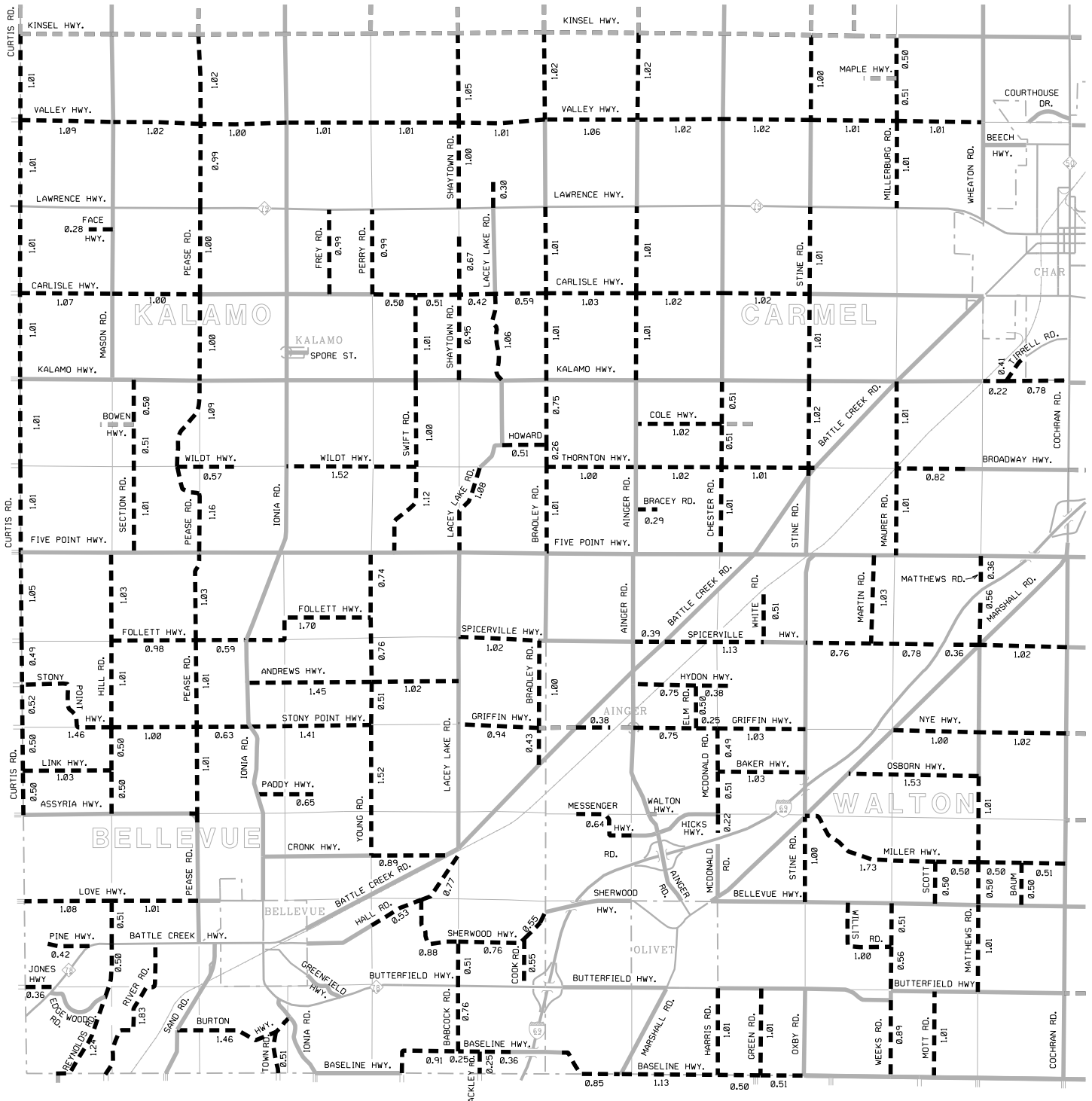
Note that the bid blank includes separate quantities and separate unit price amounts for four (4) separate areas in Eaton County. **IT IS THE INTENT OF THE ROAD COMMISSION TO MAKE MULTIPLE AWARDS FOR THE WORK IN THIS BID.** Bidders may submit bids on the work in any single area of the county, or multiple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

04-02-18

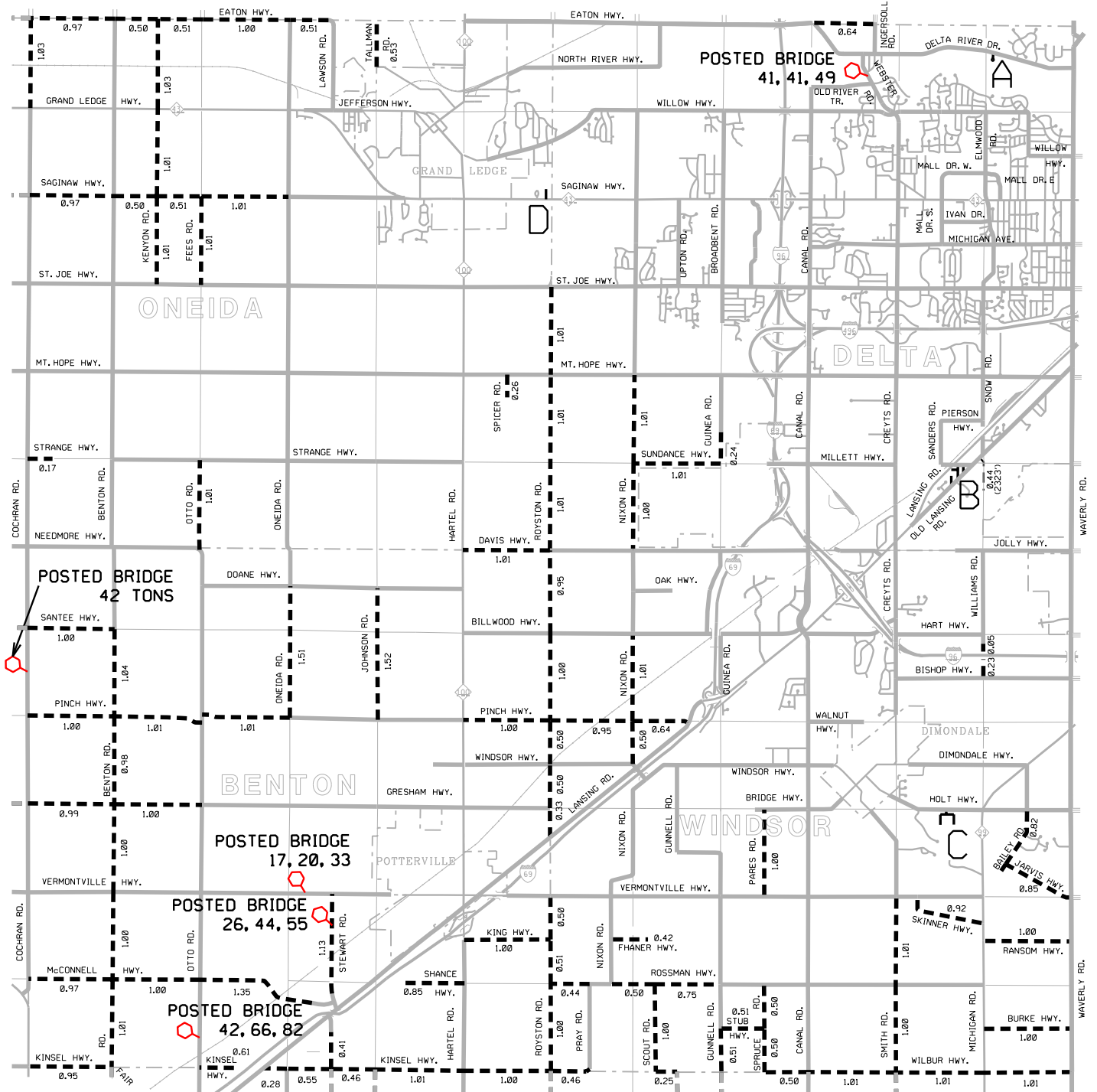


KALAMO TWP TOTAL MILES: 38.67  
 CARMEL TWP TOTAL MILES: 32.97  
 BELLEVUE TWP TOTAL MILES: 44.88  
 WALTON TWP TOTAL MILES: 34.12  
 SW QUADRANT TOTAL MILES: 150.64

GALLONS PER MILE 2,500  
 TOTAL GALLONS 376,600

# EATON COUNTY DUST CONTROL MAP NORTH EAST

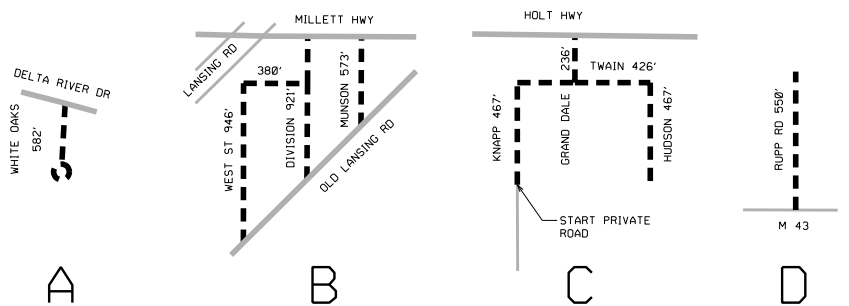
04-02-18



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

GALLONS PER MILE 2,500  
 TOTAL GALLONS 188,125

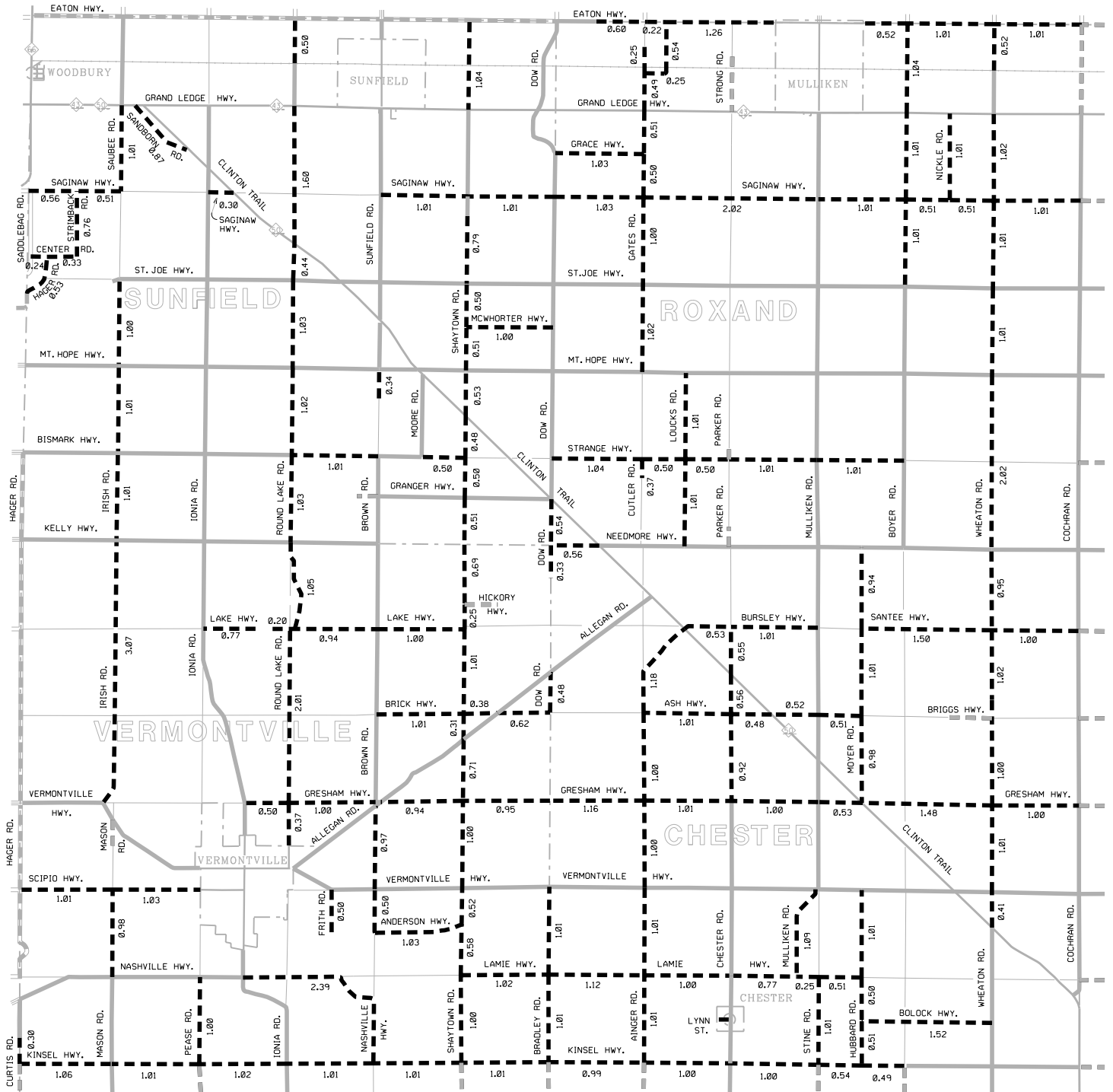
WHITE OAKS SUB 0.11      MILLETT STA 0.53      GRAND DALE SUB 0.30      RUPP RD 0.11





# EATON COUNTY DUST CONTROL MAP NORTH WEST

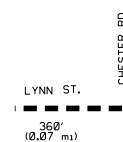
04-02-18



SUNFIELD TWP TOTAL MILES: 23.48  
 ROXAND TWP TOTAL MILES: 33.50  
 VERMONTVILLE TWP TOTAL MILES: 37.73  
 CHESTER TWP TOTAL MILES: 43.50  
 NW QUADRANT TOTAL MILES: 138.21

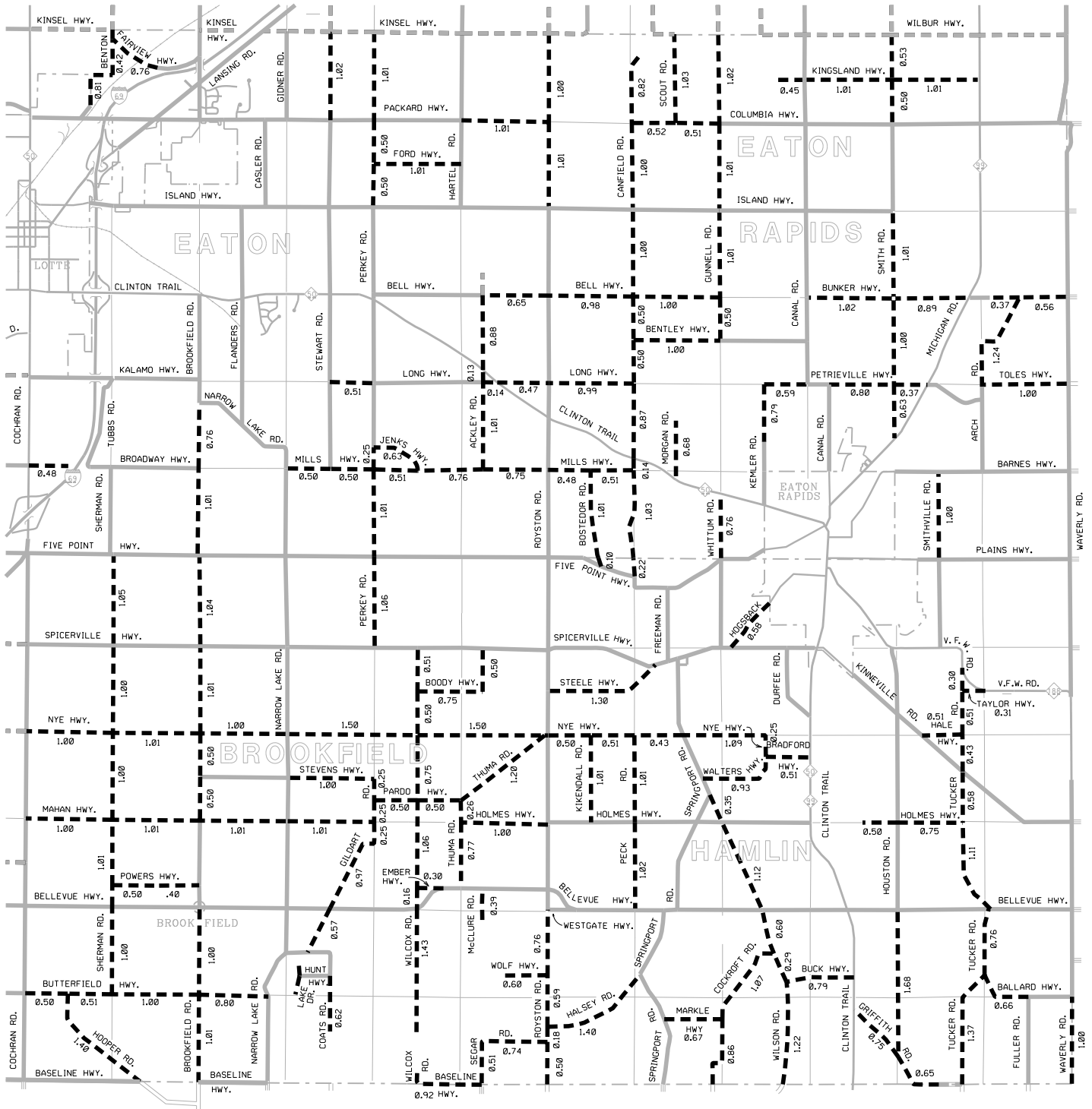
GALLONS PER MILE 2,500  
 TOTAL GALLONS 345,525

CHESTER



# EATON COUNTY DUST CONTROL MAP SOUTH EAST

04-02-18



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  
 GALLONS PER MILE 2,500  
 TOTAL GALLONS 323,625

