

# INVITATION TO BID

BID DATE: 3/11/2021

**PLEASE REFER TO BID NO. 2021-025**

**QUOTE NOT LATER THAN: 3/24/2021 BY 4:00 PM  
(EST)**

TO:  
VENDOR NAME:  
ADDRESS:

FROM:  
PURCHASING DEPARTMENT  
COUNTY OF BERRIEN, MICHIGAN  
ADMINISTRATION CENTER  
701 MAIN STREET  
ST. JOSEPH, MICHIGAN 49085

CONTACT:  
TELEPHONE #:  
EMAIL:

**PLEASE INDICATE "BID NO. 2021-025" ON OUTSIDE OF SEALED ENVELOPE TO INSURE PROPER  
BID PLACEMENT.** DELIVERY REQUIREMENTS: AS PER SPECIFICATIONS

*The Berrien County Board of Commissioners reserves the right to reject any and all bids or make any deviations  
deemed in the best interest of Berrien County.*

Quality: All materials/services furnished must be the best of their respective kinds (unless otherwise specified) and will be subject to our inspection and approval after delivery. If materials are rejected it will be held for disposition at your risk and expense.

QUANTITY	DESCRIPTION	PER M PRICE	TOTAL
	<b><u>REQUEST FOR BID ON THE FOLLOWING:</u></b>		
	Liquid Calcium Chloride		
	PLEASE SEE ATTACHED SPECIFICATIONS		
	<b><u>PLEASE SEND TWO (2) COPIES OF BID PROPOSAL</u></b>		

QUANTITY	DESCRIPTION	PER M PRICE	TOTAL
	<p>PURSUANT TO MICHIGAN PUBLIC ACT 517 OF 2012, AN IRAN-LINKED BUSINESS IS NOT ELIGIBLE TO SUBMIT A BID FOR THIS RFP. FURTHER, <b>EACH BID SUBMISSION <u>MUST</u> INCLUDE WRITTEN CERTIFICATION BY THE BIDDER THAT THE BIDDER IS NOT AN IRAN LINKED BUSINESS (SEE ATTACHED FORM).</b> A BID SUBMISSION WITHOUT THE REQUIRED WRITTEN CERTIFICATION MAY BE REJECTED AS INCOMPLETE AND VIOLATIVE OF LAW. A SUSTAINED DETERMINATION BY THE COUNTY THAT A BIDDER HAS SUBMITTED A FALSE CERTIFICATION OF BEING AN IRAN LINKED BUSINESS MAY RESULT IN THE CANCELLATION OF AN EXISTING CONTRACT, A CANCELLATION OF INTENT TO ENTER INTO A NEW CONTRACT, AND/OR REPORTING OF THE BIDDER TO THE STATE ATTORNEY GENERAL, AND POSSIBLE FINES AND COSTS, AND BAR FROM FURTHER BIDDING ON COUNTY RFP'S FOR AN ADDITIONAL 3 YEARS, AS PROVIDED UNDER P.A. 517 OF 2012.</p> <p>MEMBER OF HPS (HOSPITAL PURCHASING SERVICES), STATE OF MICHIGAN MIDEAL PURCHASING PROGRAM, AND NATIONAL JOINT POWERS ALLIANCE</p> <p><b>ANY QUESTIONS REGARDING BID SPECIFICATIONS, PLEASE CONTACT Kevin Stack at 269-925-1196 ext 4421 or <a href="mailto:kstack@bcroad.org">kstack@bcroad.org</a></b></p> <p>ALL OTHER QUESTIONS REGARDING THE BID PROCESS, PLEASE CONTACT THE PURCHASING DEPT. AT 269-983-7111 EXT. 8295</p>		

*Jake Litaker*

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JAKE LITAKER  
 jlitaker@berriencounty.org  
 FINANCIAL ACCOUNTANT/ANALYST  
 PHONE: 269-983-7111 EXT. 8295  
 FAX 269-982-8668

BIDDERS NAME: \_\_\_\_\_

BIDDERS PHONE NUMBER: \_\_\_\_\_

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



# BERRIEN COUNTY

## ROAD DEPARTMENT

**PROPOSAL AND SPECIFICATIONS FOR**  
**LIQUID CALICUM CHLORIDE**

**Purchasing Department  
County of Berrien, Michigan  
Administration Center  
701 Main Street  
Saint Joseph, MI 49085  
1-269-983-7111  
[www.berriencounty.or](http://www.berriencounty.or)**

# BERRIEN COUNTY ROAD DEPARTMENT

## PROGRESS CLAUSE

The Owner anticipates that construction can begin no earlier than ten (10) days after receiving notice of award of contract, or on the date agreed upon with the Superintendent.

In no case shall any work be commenced prior to receipt of formal notice of award by the Department.

The Contractor shall prepare and submit a complete, detailed Progress Schedule to the Superintendent prior to start date. The Progress Schedule shall include the planned dates or work days that the contractor plans on working.

Liquid Calcium Chloride spread application shall be completed by **June 18<sup>th</sup>, 2021**. Deliveries for Liquid Calcium Chloride shall be delivery at the request of Berrien County Road Department (BCRD).

# BERRIEN COUNTY ROAD DEPARTMENT

## GENERAL SPECIFICATIONS

Except as hereinafter provided by Supplemental Specifications or Special Provisions, the method and manner of performing the work and the quantity and quality of materials to be furnished under this contract shall be in strict accordance with the current Standard Specifications for construction of the Michigan Department of Transportation and the current edition of the Michigan Manual of Uniform Traffic Control Devices.

## SUPPLEMENTAL SPECIFICATIONS

### 101.02           **Definitions:**

Commission – The Board of County Commissioners of the County of Berrien, Michigan.

### 103.02           **Changes in Work**

Adjustable Items – This Contract contains no adjustable item; therefore, no adjustments in unit prices for increased or decreased quantities will be allowed.

107.10           **Owners Protective Liability Policy** covering bodily injury and property damage protection shall be furnished to the Commission.

108.02           **Prosecution of the Work** – The Contractor shall begin the work within ten (10) days after being notified by the Department to do so, unless this is inconsistent with the progress clause, with full force and equipment adequate to complete the sections within the time limit therein fixed for completion. In case of failure to proceed with the work as rapidly as is provided in the progress clause, or if it appears any time that such work is not being prosecuted in such a manner as to insure its completion within time specified, the Department shall have the right to require the force and equipment as the Department shall deem necessary to bring the work up to the Progress Schedule; and in case of the Contractor's neglect to do so, the Department may place such working force and equipment on the work and charge the Contractor the cost of labor and such rental and depreciation rates for the plant and equipment as in its judgment is reasonable, and for such time as the plant and equipment are in service.

109.06           **Partial Payment** – PAYMENT WILL BE MADE IN FULL IN NOT MORE THAN THREE (3) PARTIAL PAYMENTS, SUCH PAYMENTS TO BE MADE on the basis of ninety percent (90%) of the value of the work done, provided the work is progressing satisfactorily and the orders of the engineer have been complied with an provided that the date for completion, or date granted as extension, has not passed, and provided that the amount is at least \$2,000.00.

# BERRIEN COUNTY ROAD DEPARTMENT

## SUPPLEMENTAL SPECIFICATIONS (CONT'D)

### 1. CANCELLATION OF CONTRACT PROVISIONS

The Board shall have the right to cancel the Contract for non-performance. Should an inspection by the Board's designated representative (County Engineer) reveal that the Contractor's work results in any non- acceptable maintenance condition of one or all specified areas;

The Board's designated representative at the time of the first circumstance shall call for a meeting with the Contractor to insure no misunderstanding on the issues involved.

If the condition should repeat itself a second time, the Board's designated representative shall call for another meeting with the Contractor and issue a written warning of possible Contract termination should the condition continue.

If the condition should repeat itself for a third time, the Board's designated representative shall call for another meeting with the Contractor and issue a written Notice of Contract Termination.

2. Submission of bid will be construed as a conclusive presumption that the Contractor is thoroughly familiar with the bid requirements and specifications and that he/she understands agrees to abide by each and all stipulations and requirements contained therein.
3. The Contractor, his/her employees, agent, and representatives shall conduct themselves in a manner which is conducive to good public relations. They shall display proper respect to the Board, the general public, and surrounding property owners as is applicable.
4. Neither the Contractor nor his/her Subcontractors shall discriminate against any employee or applicant for employment, to be employed in the performance of this Contract, with respect his/her hire, tenure, terms, conditions or privileges of employment, of any matter directly or indirectly related to employment because of his/her race, color, religion, national origin, or ancestry. Breach of this covenant may be regarded as a material breach of this Contract.

# BERRIEN COUNTY ROAD DEPARTMENT

## TITLE VI

The Berrien County Road Department, in accordance with Title VI of 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 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 gender, disability, race, color, or national origin in consideration for an award.

## TITLE VI CONTRACT REQUIREMENTS:

During the performance of this contract, the contractor, for itself, its assignees and successors in interest (hereinafter referred to as the "contractor") agrees as follows:

1. **Compliance with Regulations:** The contractor shall comply with the Regulations relative to non-discrimination in Federally-assisted programs of the Department of Transportation, Title 49, code of Federal Regulations, Part 21 as they may be amended from time to time, (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.
2. **Non-discrimination:** The contractor, with regard to the work performed by it during the contract, shall not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor shall not participate either directly or indirectly in the discrimination prohibited by section 21.5 of the Regulation, including employment practices when the contractor covers a program set forth in Appendix B of the Regulations.
3. **Solicitations for Subcontracts, Including Procurements of Materials and Equipment:** In all solicitations either by competitive bidding or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials or leases of equipment, each potential subcontractor or supplier shall be notified by the contractor of the contractor's obligations under this contract and the Regulations relative to non-discrimination on the grounds of race, color, or national origin.
4. **Information and Reports:** The contractor shall provide all information and reports required by the Regulations, or directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information and its facilities as may be determined by the **BERRIEN COUNTY ROAD DEPARTMENT** to be pertinent to ascertain compliance with such Regulations or directives. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish this information, the contractor shall so certify to the State highway department, or the Federal

# BERRIEN COUNTY ROAD DEPARTMENT

## TITLE VI

Highway Administration as appropriate, and shall set forth what efforts it has made to obtain the information.

5. **Sanctions for Non-compliance:** In the event of the contractor's non-compliance with the non-discrimination provisions of this contract, the **BERRIEN COUNTY ROAD DEPARTMENT** shall
6. impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:
  - (a) Withholding of payments to the contractor under the contract until the contractor complies, and/or
  - (b) Cancellation, termination or suspension of the contract, in whole or in part.
7. **Incorporation of Provisions:** The contractor shall include the provisions of paragraphs (1) through (6) in every subcontract, including procurement of materials and leases of equipment, unless exempt by the Regulations, or directives issued pursuant thereto. The contractor shall take such action with respect to any subcontract or procurement as the **BERRIEN COUNTY ROAD DEPARTMENT** may direct as a means of enforcing such provisions including sanctions for non-compliance: Provided, however, that, in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of such direction, the contractor may request the **BERRIEN COUNTY ROAD DEPARTMENT** to enter into such litigation to protect the interests of the County, and, in addition, the contractor may request the State highway department to enter into such litigation to protect the interests of the State and/or the United States to enter into such litigation to protect the interests of the United States.

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees to comply with the following non-discrimination statutes and authorities; including but not limited to:

### **Pertinent Non-Discrimination Authorities:**

- Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d et seq., 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin); and 49 CFR Part 21.
- The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. §4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- Federal-Aid Highway Act of 1973, (23 U.S.C. § 324 et seq.), (prohibits discrimination on the basis of sex);
- Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 et seq.), as amended, (prohibits discrimination on the basis of disability); and 49 CFR Part 27;
- The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 et seq.), (prohibits discrimination on the basis of age);
- Airport and Airway Improvement Act of 1982, (49 USC § 4 71, Section 4 7123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);



# BERRIEN COUNTY ROAD DEPARTMENT

## TITLE VI

- The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms "programs or activities" to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);
- Titles II and III of the Americans with Disabilities Act, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131-12189) as implemented by Department of Transportation regulations at 49 C.F.R. parts 37 and 38;
- The Federal Aviation Administration's Non-discrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);
- Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures discrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;
- Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);
- Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 et seq).

# **BERRIEN COUNTY ROAD DEPARTMENT**

## **NOTICE TO BIDDERS**

### **INSURANCE**

The Contractor shall provide for and in the behalf of the State, the Commission, the Department, its employees, and all agencies specifically named below and their interests may appear, Owner's Protective Public Liability Insurance. Such insurance shall provide coverage and limits the same as the Contractor's Public Liability Insurance.

The agencies are the Board of County Commissioners of The County of Berrien, and the Berrien County Road Department.

# **BERRIEN COUNTY ROAD DEPARTMENT**

## **PROJECT SPECIFICATIONS FOR SPECIAL PROVISIONS**

### **GENERAL**

The “2012 Standard Specifications for Construction” (Standard Specifications) of the Michigan Department of Transportation, are hereby incorporated into these contract documents. Copies of these standards are available for inspection at the office of the Engineer. All construction included in this project shall be done in accordance with the Standard Specifications, as modified by these project specifications and special provisions, or as modified by plan notes. Where notes on the plans are in conflict with the standard specifications or there special provisions, the plan notes shall control.

### **CONTRACT REQUIREMENTS AND COVENANTS**

Where the contract requirements in these Contract Documents conflict with the contract requirements specified in Division 1 of the standard specifications, the contract requirements in these contract documents shall control.

### **SPECIAL PROVISIONS**

The special provisions, which follow, shall modify the standard specifications for the item indicated.

### **PROJECT SPECIFICATIONS**

Bids will be received for 250,000 Gallons to 290,000 Gallons of Calcium Magnesium Chloride Solution in accordance with 2012 Michigan Department of Transportation current specifications (922.12 & table 922-1), and that the combined percentage of calcium and magnesium chloride in the solution shall not be less than 38%.

The quantity given is only approximate and the right is reserved by the Berrien County Road Department to accept delivery on more or less than the quantity bid upon.

Liquid Calcium Chloride shall be shipped in 7,000 to 9,000 gallon truck loads, delivered to designated locations and pumped into Berrien County Road Department storage tanks at the following addresses:

- a. BENTON HARBOR – 2860 E. Napier Avenue  
Benton Harbor, MI 49022
- b. BAKERTOWN - 1960 Bakertown Rd.  
Buchanan, MI 49107

Deliveries **MUST BE MADE WITHIN 48 HOURS** of receipt of order Monday Through Friday, 6:00 a.m. to 4:30 p.m., unless prior notice and arrangements have been

# **BERRIEN COUNTY ROAD DEPARTMENT**

## **PROJECT SPECIFICATIONS (CONT'D)**

made, at all locations.

Bids shall be per gallon delivered and pumped into our storage tanks, F.O.B. for each delivery location.

The Berrien County Road Department reserves the right to award quantities based on price and service by delivery location in the best interest of the County or to the lowest responsible and responsive bidder on lowest average.

Firm price for March 2021 through November 2021 must be bid.

Submission of bids will be construed as a conclusive presumption that the Contractor is thoroughly familiar with the bid requirements and specifications and that he/she understands and agrees to abide by each and all of the stipulations and requirements contained herein.

Substitutions or deviations from 38% liquid calcium chloride must be authorized prior to delivery by contacting Don Geisler, Superintendent 269) 925-1196, Ext 4405.

All invoices shall show the percentage of calcium chloride in each delivery. Invoices shall be in duplicate.

Analysis of a load may be ordered from a competent chemist in case of a disagreement in total calcium chloride content, and such chemist's conclusions shall be final in regard to acceptance of the given load. Test method will conform to ASTM E449

Tanks shall have been thoroughly cleaned before loading. Chloride showing foreign matter will be rejected.

Questions concerning specifications should be directed to Don Geisler at (269) 925-1196, Ext 4405

Delivery trucks used for spreading must be equipped with automatic metering devices for spreading at rates up to 1,800 gallons per mile, 16 feet wide:

# BERRIEN COUNTY ROAD DEPARTMENT

## BID PRICES

38% Calcium Chloride

Continuous spread –  
@ Any location in Berrien County

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6,000 Gal, or more at pump off –  
@ Benton Harbor Garage

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6,000 Gal. or more at pump off –  
@ Bakertown Garage

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NOTE: THE AMOUNTS AND LOCATIONS OF LIQUID CALCIUM CHLORIDE TO BE DELIVERIED WILL BE DETERMINED BY THE ROAD DEPARTMENT AT A LATER DATE. THE LOCATIONS OF LIQUID CALICUM CHLORIDE TO BE SPREAD ARE SHOWN IN THE ATTACHED MAPS.

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Signature, Title

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Company

# BERRIEN COUNTY ROAD DEPARTMENT

## SWORN AND NOTARIZED AFFIDAVIT OF COMPLIANCE IRAN ECONOMIC SANCTIONS ACT

Michigan Public Act No. 517 of 2012

All bidders must submit the following certification statement in compliance with Public Act No.517 of 2012 (the "Iran Economic Sanctions Act") and attach this form to the bid; bidders may file a certification statement with the County of Berrien that confirms compliance for all bids submitted in fiscal year 2021. By submitting this form to the County of Berrien, you are confirming that you are in compliance with the Act in relation to the submitted bid(s). **The County of Berrien shall not accept a bid unless, and until, this sworn and notarized certification statement is submitted to the County of Berrien either as an attachment to a given bid, or, as filed with the County of Berrien to confirm compliance during fiscal year 2021.** A certification statement filed with the County of Berrien for fiscal year 2021 will only be effective for bids submitted and dated from 1/1/21 to 12/31/21. The completed form will be kept on file in the purchasing department. The undersigned, the owner or authorized officer of

\_\_\_\_\_ (the "Bidder"), pursuant to the compliance certification requirement provided in the County of Berrien Request for Proposal, hereby certifies, represents and warrants that the Bidder (including its officers, directors and employees) is not an "Iran linked business" within the meaning of the Iran Economic Sanctions Act, and that in the event the Bidder is awarded a contract as a result of the aforementioned Request for Proposal, the Bidder will not become an "Iran linked business" at any time during the course of performing the work or any services under the contract. The Bidder further acknowledges that any person who is found to have submitted a false certification is responsible for a civil penalty of not more than \$250,000.00 or 2 times the amount of the contract or proposed contract for which the false certification is made, whichever is greater, the cost of the County of Berrien's investigation, and reasonable attorney fees, in addition to the fine. Moreover, any person who submitted a false certification shall be ineligible to bid on a request for proposal for three (3) years from the date it is determined that the person has submitted the false certification.

### BIDDER:

Name of Bidder \_\_\_\_\_

By: \_\_\_\_\_ Its: \_\_\_ Date: \_

STATE OF \_\_\_\_\_)

)ss COUNTY OF \_\_\_\_\_)

This instrument was acknowledged before me on the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, by

\_\_\_\_\_  
, Notary Public

\_\_\_\_\_  
County,

\_\_\_\_\_  
My Commission Expires:

Acting in the County of: \_\_\_\_\_

# BERRIEN COUNTY ROAD DEPARTMENT

## HOLD HARMLESS

This Agreement made this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_ by and between the Berrien County Road Department and the Board of County Road Commissioners of the County of Berrien (hereinafter referred to as the BOARD) and \_\_\_\_\_ (hereinafter referred to as the CONTRACTOR).

Said Contractor hereby agrees to undertake the following work in the status of independent contractor performing the following operations:

### LIQUID CALICUM CHLORIDE

Said Contractor shall at all times exercise extreme care and shall assume any and all liability for bodily injury, death or property damage arising out of the above stated operation or by anyone else acting in concert or under the control or direction of said Contractor, and will indemnify and hold harmless the Berrien County Road Commission, its Commissioners, employees, attorneys and agents for any and all claims for bodily injury, death or property damage arising out of this agreement.

It is also agreed while engaged in such operation, that the Contractor shall maintain insurance, naming the Board of Berrien County Road Commissioners, the Berrien County Road Commission; their Officers, Agents and Employees as an additional named insured with policy limits of:

Bodily Injury and Property Damage Liability: Each Occurrence	\$1,000,000
Aggregate	\$2,000,000

Statutory Workmen's Compensation Insurance

Additionally said Contractor shall furnish to the Board a certificate of insurance providing above requested limits.

It is also agreed if the Board is involved in any litigation arising out of said operation, that the Contractor will indemnify and hold harmless the Board for any and all legal fees or cost incurred by the Board in defense of said Board.

WITNESSED BY:

\_\_\_\_\_  
Contractor

\_\_\_\_\_  
Berrien County Road Department

# BERRIEN COUNTY ROAD DEPARTMENT PROPOSAL

Date \_\_\_\_\_

Board of County Commissioners of the County of Berrien, 2860 E. Napier Avenue, Benton Harbor, Michigan 49022-0768

Gentlemen:

The undersigned has examined the plans, specifications, and location of the work described herein and is fully informed as to the nature of the work and the conditions relating to its performances and understands that the quantities shown in the estimate are approximate only and are subject to either increase or decrease; and hereby proposes to furnish all necessary machinery, tools, apparatus and other means of doing the work, do all the work, furnish all the materials except as otherwise specified herein, and, for the unit prices named in the accompanying unit price schedule, to complete the work in strict accordance with the plans and specifications therefore.

The undersigned further proposes to do such extra work as may be ordered by you, prices for which are not included in the itemized bid, compensation therefore to be made on the basis agreed upon before such extra work is begun.

The undersigned agrees to begin work within ten (10) days after being notified to do so, and to complete all spread applications of work **BY June 18th, 2021 and delivery material upon request by BCRD.**

Signed \_\_\_\_\_

By \_\_\_\_\_

Post Office of Bidder \_\_\_\_\_

\_\_\_\_\_

In case the bidder is a co-partnership, each member must sign this proposal.

In case the bidder is a Corporation this proposal must be executed by its duly authorized officials in accordance with its articles of incorporation and a certified copy of such articles must be attached hereto.



### **38% Liquid Calcium Chloride Application -Dust Control**

<b>Township</b>	<b>Road Class</b>	<b>Road</b>	<b>Termini</b>	<b>Road Miles</b>	<b>District</b>	<b>Treatment</b>	<b>Estimated Gallons</b>
Bainbridge	Local	County Line Rd.	Territorial Rd. to Meadowbrook Rd.	0.49	56	Calcium Chloride	882
Bainbridge	Local	Maner Rd.	Twp. line to end	0.50	56	Calcium Chloride	900
Bainbridge	Local	Sells Rd.	Michael Rd. to Twp. Line	1.01	42	Calcium Chloride	1,818
Baroda	Local	Keehn Rd.	Hinchman Rd. to Lemon Creek Rd.	1.00	44	Calcium Chloride	1,800
Baroda	Local	Spitzke Rd.	Skala Rd. to Snow Rd.	0.51	44	Calcium Chloride	918
Benton	Local	Blue Creek Rd.	south of Territorial Rd. to Townline	3.50	56	Calcium Chloride	6,300
Benton	Local	Diller Rd.	M-139 to Twp. Line	0.16	56	Calcium Chloride	288
Benton	Local	E. Main St.	Benton Center Rd. to end	0.36	56	Calcium Chloride	648
Benton	Local	Maner Rd.	Roslin Rd. to Twp. Line	0.50	56	Calcium Chloride	900
Benton	Local	Wickwire Rd.	E. Euclid Ave. to end	0.37	56	Calcium Chloride	666
Berrien	Local	Franklin Rd.	Pucker St. Rd. to Brush Lake Rd.	1.27	42	Calcium Chloride	2,286
Berrien	Local	Jones Rd.	True Rd. to Fairland Rd.	1.96	42	Calcium Chloride	3,528
Berrien	Local	Lake Chapin Rd.	end of pavement to Twp. Line	0.50	42	Calcium Chloride	900
Berrien	Local	Lake Rd.	Pucker St. Rd. to Brush Lake Rd.	1.01	42	Calcium Chloride	1,818
Berrien	Local	Love Rd.	Laberdy Rd. to end	0.79	42	Calcium Chloride	1,422
Berrien	Local	Painter School Rd.	Smith Rd. to M-140	0.95	42	Calcium Chloride	1,710
Berrien	Local	S. Lake Rd.	Lake Rd. to Pucker St. Rd.	0.71	42	Calcium Chloride	1,278
Berrien	Local	Smith Rd.	Pucker St. Rd. to Cass County line	1.01	42	Calcium Chloride	1,818
Berrien	Local	Smith Rd.	Huckleberry Rd. to M-140	1.00	42	Calcium Chloride	1,800
Bertrand	Local	Batten Rd.	Boyle Lake Rd. to Dayton Rd.	1.00	43	Calcium Chloride	1,800
Bertrand	Local	Boyle Lake Rd.	Galien-Buchanan Rd. to Batten Rd.	0.76	43	Calcium Chloride	1,368
Bertrand	Local	Briar Rd.	Portage Rd. to Weaver Rd.	1.03	43	Calcium Chloride	1,854
Bertrand	Local	Curran Rd.	Oak Forest Rd. to Spirea Rd.	2.04	43	Calcium Chloride	3,672
Bertrand	Local	Sage Rd.	Curran Rd. to IN State line	1.15	43	Calcium Chloride	2,070
Bertrand	Local	Spirea Rd.	Buffalo Rd. to IN State line	1.61	43	Calcium Chloride	2,898
Bertrand	Local	Weaver Rd.	M-139 to paved section	0.50	43	Calcium Chloride	900
Bertrand	Local	Weaver Rd.	Briar Rd. to paved section	0.90	43	Calcium Chloride	1,620
Buchanan	Local	Boyle Lake Rd.	Glendora Rd. to Galien-Buchanan Rd.	5.16	43	Calcium Chloride	9,288
Buchanan	Local	Coveney Rd.	Glendora Rd. to Wagner Rd.	1.96	43	Calcium Chloride	3,528
Buchanan	Local	E. Lake Chapin Rd.	Twp. Line to Range Line Rd.	1.70	42	Calcium Chloride	3,060
Buchanan	Local	Fedore Rd.	Miller Rd. to Madron Lake Rd.	1.33	43	Calcium Chloride	2,394
Buchanan	Local	Runyon Rd.	Elm Valley Rd. to Galien-Buchanan Rd.	0.92	43	Calcium Chloride	1,656
Buchanan	Local	W. Clear Lake Rd.	Elm Valley Rd. to Galien-Buchanan Rd.	1.02	43	Calcium Chloride	1,836

### **38% Liquid Calcium Chloride Application -Dust Control**

<b>Township</b>	<b>Road Class</b>	<b>Road</b>	<b>Termini</b>	<b>Road Miles</b>	<b>District</b>	<b>Treatment</b>	<b>Estimated Gallons</b>
Buchanan	Local	Wells Rd.	Elm Valley Rd. to Galien-Buchanan Rd.	1.00	43	Calcium Chloride	1,800
Chikaming	Local	Avery Rd.	Warren Woods Rd. to Elm Valley Rd.	1.00	44	Calcium Chloride	1,800
Chikaming	Local	Long Rd.	Three Oaks Rd. to end	0.47	44	Calcium Chloride	846
Chikaming	Local	Wee-Chik Rd.	Harbert Rd. to Minnich Rd.	0.75	44	Calcium Chloride	1,350
Coloma	Local	Carmody Rd.	Park Rd. to Friday Rd.	0.66	56	Calcium Chloride	1,188
Coloma	Local	Carmody Rd.	Hennesey Rd. to paved section	0.80	56	Calcium Chloride	1,440
Galien	Local	Adams Rd.	US-12 to Buffalo Rd.	1.00	43	Calcium Chloride	1,800
Galien	Local	Andrews Rd.	Buffalo Rd. to Olive Branch Rd.	1.01	43	Calcium Chloride	1,818
Galien	Local	Avery Rd.	US-12 to Olive Branch Rd.	2.06	43	Calcium Chloride	3,708
Galien	Local	Beaver Dam Rd.	Olive Branch Rd. to Spring Creek Rd.	0.52	43	Calcium Chloride	936
Galien	Local	Jeffery Rd.	Olive Branch Rd. to Spring Creek Rd.	0.48	43	Calcium Chloride	864
Galien	Local	Kinne Rd.	Avery Rd. to Beaver Dam Rd.	1.03	43	Calcium Chloride	1,854
Galien	Local	Nye Rd.	US-12 to Olive Branch Rd.	2.04	43	Calcium Chloride	3,672
Galien	Local	Smith Rd.	US-12 to Second St. Rd.	0.51	43	Calcium Chloride	918
Galien	Local	Spring Creek Rd.	Jeffery Rd. to Beaver Dam Rd.	0.87	43	Calcium Chloride	1,566
Hagar	Local	Adams St.	Evanston St. to End	0.19	56	Calcium Chloride	336
Hagar	Local	Anderson Rd.	M-63 to Clanton Ln.	0.14	56	Calcium Chloride	256
Hagar	Local	Ash St.	Riverside St. to End	0.06	56	Calcium Chloride	114
Hagar	Local	Beech St.	Cedar Ave. to End	0.06	56	Calcium Chloride	112
Hagar	Local	Birch Ave.	M-63 to Hagar Place	0.26	56	Calcium Chloride	471
Hagar	Local	Carolyn St.	Hagar Place to Jefferson St.	0.34	56	Calcium Chloride	603
Hagar	Local	Carolyn St.	Roosevelt St. to Van Buren St.	0.23	56	Calcium Chloride	421
Hagar	Local	Carolyn St.	Wilson St. to End	0.27	56	Calcium Chloride	482
Hagar	Local	Cedar Ave.	Wilson St. to Anderson Rd.	0.07	56	Calcium Chloride	130
Hagar	Local	Cedar Ave.	W. bundy Rd. to Elm St.	0.14	56	Calcium Chloride	251
Hagar	Local	Cedar Ave.	Cherry Ave. to End	0.09	56	Calcium Chloride	157
Hagar	Local	Chabot Rd.	Broderick Rd. to N. Chabot Rd.	1.01	56	Calcium Chloride	1,818
Hagar	Local	Cherry Ave.	M-63 to Hagar Plae	0.41	56	Calcium Chloride	747
Hagar	Local	Clanton Ln	M-63 to Anderson Rd.	0.09	56	Calcium Chloride	170
Hagar	Local	Dearborn St.	Central Ave. to Washington St.	0.15	56	Calcium Chloride	273
Hagar	Local	Dogwood St.	Rivierside St. to End	0.04	56	Calcium Chloride	65
Hagar	Local	E. Bundy Rd.	Central Ave. to end	0.39	56	Calcium Chloride	702
Hagar	Local	Erie St.	John St. to Inidana St.	0.39	56	Calcium Chloride	700

### **38% Liquid Calcium Chloride Application -Dust Control**

<b>Township</b>	<b>Road Class</b>	<b>Road</b>	<b>Termini</b>	<b>Road Miles</b>	<b>District</b>	<b>Treatment</b>	<b>Estimated Gallons</b>
Hagar	Local	Evanston St.	Wilson St. to Harrison St.	0.14	56	Calcium Chloride	254
Hagar	Local	Garfield St.	Carolyn St. to End	0.04	56	Calcium Chloride	254
Hagar	Local	Garfield St.	Hagar Shore Rd. to End	0.04	56	Calcium Chloride	77
Hagar	Local	Hagar Place	Cherry Ave. to End	0.09	56	Calcium Chloride	157
Hagar	Local	Harding St.	Mckinley St. to End	0.11	56	Calcium Chloride	205
Hagar	Local	Harding St.	Mccray St. to Park St.	0.38	56	Calcium Chloride	675
Hagar	Local	Harrison St.	Carolyn St. to Mccray St.	0.13	56	Calcium Chloride	675
Hagar	Local	Hickory St.	W. Bundy Rd. to End	0.14	56	Calcium Chloride	255
Hagar	Local	Huron St.	M-63 to End	0.41	56	Calcium Chloride	741
Hagar	Local	Indiana St.	Erie St. to Madison St.	0.03	56	Calcium Chloride	60
Hagar	Local	Jackson St.	M-63 to End	0.34	56	Calcium Chloride	614
Hagar	Local	Jefferson St.	Ohio St. to Evanston St.	0.62	56	Calcium Chloride	1,111
Hagar	Local	John St.	M-63 to Jefferson St.	0.16	56	Calcium Chloride	290
Hagar	Local	Lincoln St.	Mccray St. to Carolyn St.	0.12	56	Calcium Chloride	214
Hagar	Local	Lincoln St.	Dearborn St. to Evanston St.	0.25	56	Calcium Chloride	452
Hagar	Local	Lynch Rd.	Eaman Rd. to Pier Rd.	1.00	56	Calcium Chloride	1,800
Hagar	Local	Madison St.	Indiana St. to John St.	0.38	56	Calcium Chloride	676
Hagar	Local	Martin Rd.	Taube Rd. to paved section	0.40	56	Calcium Chloride	720
Hagar	Local	Mccray St.	M-63 to Van Buren St.	0.63	56	Calcium Chloride	1,142
Hagar	Local	Mccray St.	Wilson St. to Taylor St.	0.19	56	Calcium Chloride	343
Hagar	Local	Mckinley	Central Ave. to Mccray St.	0.15	56	Calcium Chloride	268
Hagar	Local	Michigan Ave	Wood St. to End	0.17	56	Calcium Chloride	307
Hagar	Local	Monroe St.	Central Ave. to End	0.26	56	Calcium Chloride	463
Hagar	Local	N. Chabot Rd.	Riverside Rd. to Chabot Rd.	0.24	56	Calcium Chloride	432
Hagar	Local	Oak St.	Bundy Rd. to End	0.22	56	Calcium Chloride	405
Hagar	Local	Ontario St.	M-63 to End	0.24	56	Calcium Chloride	435
Hagar	Local	Park St.	W. Hagar Shore Rd. to Harding St.	0.33	56	Calcium Chloride	603
Hagar	Local	Pershing Dr.	Fikes Rd. to Oak Sta.	0.19	56	Calcium Chloride	344
Hagar	Local	Pier Rd.	end of pavement to Zoschke Rd.	0.30	56	Calcium Chloride	540
Hagar	Local	Pierce St.	Carolyn St. to End	0.08	56	Calcium Chloride	145
Hagar	Local	Pierce St.	Mccray St. to End	0.04	56	Calcium Chloride	68
Hagar	Local	Pierce St.	N. and S. of Evanston	0.14	56	Calcium Chloride	254
Hagar	Local	Pine St.	Chestnut Ave. to End	0.08	56	Calcium Chloride	148

### **38% Liquid Calcium Chloride Application -Dust Control**

<b>Township</b>	<b>Road Class</b>	<b>Road</b>	<b>Termini</b>	<b>Road Miles</b>	<b>District</b>	<b>Treatment</b>	<b>Estimated Gallons</b>
Hagar	Local	Plum St.	W. bundy Rd. to End	0.08	56	Calcium Chloride	136
Hagar	Local	Poplar St.	Cherry Ave. to End	0.08	56	Calcium Chloride	151
Hagar	Local	Prospect Ave.	Tulip St. to End	0.16	56	Calcium Chloride	293
Hagar	Local	Riverside St.	W. Bundy Rd. to Michigan Ave.	0.18	56	Calcium Chloride	321
Hagar	Local	Riverside St.	Cherry Ave. to End	0.06	56	Calcium Chloride	102
Hagar	Local	Roosevelt St.	M-63 to Carolyn St.	0.53	56	Calcium Chloride	945
Hagar	Local	Schmuhl Rd.	Duncan Rd. to pavement	0.50	56	Calcium Chloride	900
Hagar	Local	Superior St.	Ohio St. to Mccray St.	0.45	56	Calcium Chloride	801
Hagar	Local	Taube Rd.	Clymer Rd. to end	0.80	56	Calcium Chloride	1,440
Hagar	Local	Taylor St.	Carolyn St. to End	0.22	56	Calcium Chloride	1,440
Hagar	Local	Taylor St.	Hagar Shore Rd. to End	0.06	56	Calcium Chloride	115
Hagar	Local	Tulip St.	W. Bundy Rd. to End	0.32	56	Calcium Chloride	580
Hagar	Local	Van Buren St.	Carolyn St. to Evanston St.	0.41	56	Calcium Chloride	731
Hagar	Local	W. Thar Rd.	Fikes Rd. to Riverside Rd.	0.34	56	Calcium Chloride	612
Hagar	Local	Washington St.	Carolyn St. to central Ave.	0.07	56	Calcium Chloride	133
Hagar	Local	Washington St.	Dearborn St. to Evanston St.	0.17	56	Calcium Chloride	300
Hagar	Local	Wilson Ave.	Anderson Rd. to Fikes Rd	0.32	56	Calcium Chloride	572
Hagar	Local	Wilson St.	Caroylin St. to End	0.20	56	Calcium Chloride	366
Hagar	Local	Wilson St.	Evanston St. to End	0.06	56	Calcium Chloride	116
Hagar	Local	Zoschke Rd.	Riverside Rd. to Pier Rd.	0.80	56	Calcium Chloride	1,440
Lincoln	Local	Grand Mere Rd.	end of pavement to end or road	0.50	44	Calcium Chloride	900
New Buffalo	Local	Kluver Rd.	end of pavement to IN State line	0.50	43	Calcium Chloride	900
New Buffalo	Local	Shedd Rd.	Wilson Rd. to IN State line	0.74	43	Calcium Chloride	1,332
Niles	Local	Adams Rd.	Bertrand Rd. to Ontario Rd.	0.38	42	Calcium Chloride	684
Niles	Local	Burton Rd.	M-51 to Cass County line	0.64	42	Calcium Chloride	1,152
Niles	Local	Camp Rd.	Walton Rd. to East Riverside Rd.	0.75	42	Calcium Chloride	1,350
Niles	Local	Creek Rd.	Pucker St. Rd. to Cass County line	2.43	42	Calcium Chloride	4,374
Niles	Local	Geyer Rd.	Range Line Rd. to Smith Rd.	0.90	42	Calcium Chloride	1,620
Niles	Local	Hance Rd.	Harrah Rd. to Niles city limits	0.38	42	Calcium Chloride	684
Niles	Local	Harrah Rd.	Morris Dr. to Philip Rd.	1.00	42	Calcium Chloride	1,800
Niles	Local	Hatfield Rd.	M-140 to M-139	1.15	42	Calcium Chloride	2,070
Niles	Local	Matthew Rd.	Knott Rd. to Range Line Rd.	2.41	42	Calcium Chloride	4,338
Niles	Local	Portage Rd.	Weiser Rd. to end	0.21	42	Calcium Chloride	378

### **38% Liquid Calcium Chloride Application -Dust Control**

<b>Township</b>	<b>Road Class</b>	<b>Road</b>	<b>Termini</b>	<b>Road Miles</b>	<b>District</b>	<b>Treatment</b>	<b>Estimated Gallons</b>
Niles	Local	Pucker St. Dr.	Ullery Rd. to pavement	0.50	42	Calcium Chloride	900
Niles	Local	Smith Rd.	Walton Rd. to East Riverside Rd.	1.12	42	Calcium Chloride	2,016
Niles	Local	Stafford Rd.	Knott Rd. to Creek Rd.	3.24	42	Calcium Chloride	5,832
Niles	Local	Ullery Rd.	M-140 to end	0.49	42	Calcium Chloride	882
Niles	Local	W. Winn Rd.	Range Line Rd. to end	1.15	42	Calcium Chloride	2,070
Niles	Local	Weiser Rd.	M-139 to Portage Rd.	1.24	42	Calcium Chloride	2,232
Niles	Local	Winn Rd.	Walton Rd. to end	1.06	42	Calcium Chloride	1,908
Niles	Local	Wyant Rd.	Fairland Rd. to Stafford Rd.	0.46	42	Calcium Chloride	828
Pipestone	Local	Bailey Rd.	Naomi Rd. to end	0.52	42	Calcium Chloride	936
Pipestone	Local	Clawson Rd.	Black Lake Rd. to Columbia Ave.	1.47	42	Calcium Chloride	2,646
Pipestone	Local	Clawson Rd.	E. Eureka Rd. to M-62	1.20	42	Calcium Chloride	2,160
Pipestone	Local	County Line Rd.	Meadowbrook Rd. to Columbia Ave.	2.51	42	Calcium Chloride	4,518
Pipestone	Local	Cushing Rd.	Clawson Rd. to Brush Lake Rd.	1.00	42	Calcium Chloride	1,800
Pipestone	Local	Keigley Rd.	Old Pipestone Rd. to end	0.40	42	Calcium Chloride	720
Pipestone	Local	Naomi Rd.	M-140 to Clawson Rd.	1.00	42	Calcium Chloride	1,800
Pipestone	Local	Steimle Rd.	Brush Lake Rd. to Clawson Rd.	0.75	42	Calcium Chloride	1,350
Pipestone	Primary	Tabor Rd.	Evans Rd. to Pipestone Rd.	0.74	42	Calcium Chloride	1,332
Pipestone	Local	Town Hall Rd.	Bailey Rd. to end	0.31	42	Calcium Chloride	558
Pipestone	Local	Ward Rd.	Sells Rd. to Black Lake Rd.	0.50	42	Calcium Chloride	900
Pipestone	Local	Wolf Rd.	Meadowbrook Rd. to Black Lake Rd.	1.00	42	Calcium Chloride	1,800
Sodus	Local	Diller Rd.	Twp. Line to End	0.62	56	Calcium Chloride	1,116
Three Oaks	Local	Flynn Rd.	Kruger Rd. to US-12	1.00	43	Calcium Chloride	1,800
Three Oaks	Local	Olive Branch Rd.	Avery Rd. to Ray Rd.	0.50	43	Calcium Chloride	900
Three Oaks	Local	Ray Rd.	Olive Branch Rd. to Spring Creek Rd.	0.50	43	Calcium Chloride	900
Three Oaks	Local	Starr Rd.	Martin Rd. to Three Oaks Rd.	0.50	43	Calcium Chloride	900
Weesaw	Local	Elm Valley Rd.	Cleveland Ave. to Gardner Rd.	1.00	43	Calcium Chloride	1,800
Weesaw	Local	Larson Rd.	Gardner Rd. to Boyle Lake Rd.	1.00	43	Calcium Chloride	1,800