

SAGINAW COUNTY ROAD COMMISSION

BID FORM

Gentlemen/Ladies:

Sealed Proposals will be received at the office of the Board of Saginaw County Road Commissioners at 3020 Sheridan Avenue, Saginaw, Michigan, 48601, until

Monday, March 11, 2019 at 10:00 a.m.

At which time and place proposals will be publicly opened and read for the furnishing of the following supplies, material and/or services for delivery at

F.O.B. 3110 Sheridan Avenue, Saginaw, MI 48601

PER: *Dan Medina,*
Director of Maintenance

Proposal No. 8 -- Highway Traffic Sign Aluminum Blanks

Traffic sign material used in the fabrication of traffic signs to be furnished under this bid proposal shall meet the Michigan Department of State Highways and Transportation specifications per the 2005 manual, as amended. The reflective sheeting is to be of the same grade specified in the bid documents.

All signs shall conform to the Michigan Manual of Uniform Traffic Control Devices for the shape.

ITEM: To furnish the Saginaw County Road Commission with approximately 1,400 pieces, more or less, of various quantities, shapes and sizes of reflective sign faces and complete signs.

After initial order, minimum quantity on all orders to be 10 faces.

DELIVERY: Within 30 days. All deliveries made outside 30 calendar days from the date of order will be assessed a 1% per day deduction of the total order value.

BID PERIOD: April 1, 2019, to March 31, 2020 Price to be firm for bid period.

SEE ATTACHED SHEET for prices, quotations, sign specifications and sizes.

In compliance with the above invitation for proposals, and subject to all conditions thereof, the undersigned offers, and agrees if this bid be accepted within 15 days from the date of opening, to furnish any and all items at the price quoted opposite each item, F.O.B. as indicated.

Specification:

ALUMINUM BLANKS – .080 gauge

<u>FACE SIZE</u>	<u>PRICE PER FACE</u>	<u>FACE SIZE</u>	<u>PRICE PER FACE</u>
48"x24"	_____	36"x9"	_____
36"x36"	_____	30"x9"	_____
36"x30"	_____	24"x9"	_____
36"x12"	_____	36"x6"	_____
30"x30"	_____	30"x6"	_____
24"x30"	_____	24"x6"	_____
24"x18"	_____	60"x18"	_____
18"x18"	_____	60"x24"	_____
12"x18"	_____	48"x18"	_____
12"x12"	_____	48"x24"	_____
18"x6"	_____	36"x18"	_____
		30"x18"	_____

ALUMINUM BLANKS – STOPS – .080 gauge

36"x36"	_____	30"x30"	_____
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ALUMINUM BLANKS – ROUND (R.R. ADVANCE) – .080 gauge

36"		_____
36"x48"x48"	No Passing Zone Blank	_____

BIDDER: _____

ADDRESS: _____

CITY, STATE, and ZIP: _____

TERMS: Net 30 **DELIVERY:** _____

BY: _____ **TITLE:** _____

DATE: _____ **PHONE #:** _____

Any questions please contact
Dan Medina, Director of Maintenance, 989-399-3773

SAGINAW COUNTY ROAD COMMISSION

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F.O.B. 3110 Sheridan Avenue, Saginaw, MI 48601

PER: *Dan Medina,*
Director of Maintenance

Proposal No. 9 -- Highway Traffic Signs

Traffic sign material used in the fabrication of traffic signs to be furnished under this bid proposal shall meet the Michigan Department of State Highways and Transportation specifications per the 2005 manual, as amended. The reflective sheeting is to be of the same grade specified in the bid documents.

All signs shall conform to the Michigan Manual of Uniform Traffic Control Devices for the shape, color, symbols and letters.

ITEM: To furnish the Saginaw County Road Commission with approximately 1,400 pieces, more or less, of various quantities, shapes and sizes of reflective sign faces and complete signs.

All materials used for the construction of reflective sign faces associated with this bid are to be 3M Brand or equal to as defined by specification section. Alternate materials other than 3M must have documentation certifying specifications and approved by the Saginaw County Road Commission.

After initial order, minimum quantity on all orders to be 10 faces and/or complete signs of like legend.

DELIVERY: Within 30 days. All deliveries made outside 30 calendar days from the date of order will be assessed a 1% per day deduction of the total order value.

BID PERIOD: April 1, 2019, to March 31, 2020 Price to be firm for bid period.

ITEM 1: Regulatory Signs

ITEM 2: Warning Signs

ITEM 3: Construction Signs

ITEM 4: School Area Signs

Estimated quantities for bid period:

ITEM 1: 200₊

ITEM 2: 300₊

ITEM 3: 100₊

ITEM 4: 100₊

SEE ATTACHED SHEET for prices, quotations, sign specifications and sizes.

In compliance with the above invitation for proposals, and subject to all conditions thereof, the undersigned offers, and agrees if this bid be accepted within 15 days from the date of opening, to furnish any and all items at the price quoted opposite each item, F.O.B. as indicated.

Specification:

**HIGH INTENSITY PRISMATIC (HIP) SHEETING – Series 3930 OR EQUAL,
(White, Yellow, Red, Green, Blue, and Brown)**

A. General:

The reflective sheeting shall consist of cube corner prismatic optics encapsulated by a flexible transparent plastic film that has a smooth outer surface. The sheeting shall have a pre-coated adhesive protected by an easily removable liner. The sheeting shall be available in sheets and in roll widths of up to 48 inches. The reflective sheeting shall meet ASTM Type X specification.

B. Coefficient of Retro-reflection:

The reflective sheeting shall have a minimum Coefficient of retro-reflection as shown in Table II, expressed as “candelas per Lux per square meter” (Cd/Lux/m²). Conformance to coefficient of Retro-reflection requirements shall be determined by instrumental method in accordance with ASTM E-810 “Test Method for Coefficient of Retro-reflection of Retro-reflective Sheeting”, and per E-810 the values of 0° and 90° rotation are averaged.

Table III - Minimum Coefficient of Retro-reflection Candelas per Lux per square meter

Observation Angle	White	Yellow	Red	Orange	Green	Blue	Brown
0.2	560	420	84	210	56	28	17
0.5	200	150	30	75	20	10	6
0.2	280	210	42	105	28	14	8.4
0.5	100	75	15	37	10	5	3

C. Field Performance:

A ten-year field performance warranty must be provided. The sign sheeting shall retain at least 80% of the initial values shown in Table II during the first 7 years of the warranty, and at least 70% in the remaining 3 years of the warranty.

SUPER HIGH EFFICIENCY FULL CUBE PRISMATIC (FCP) RETROREFLECTIVE SHEETING Series- 4000 OR EQUAL

(White, Fluorescent Yellow, Red, Fluorescent Orange, Green, Fluorescent Yellow Green, Blue, Brown)

A. General:

The sheeting shall consist of full cube prismatic lens elements with a distinctive interlocking diamond seal pattern visible from the face of a smooth surface. The sheeting shall have a pre-coated adhesive protected by an easily removable liner. The sheeting shall be available in sheets and in roll widths of up to 48 inches.

B. Coefficient to Retro Reflection:

The reflective sheeting shall have a minimum Coefficient of retro-reflection as shown in Table IV, expressed as “candelas per Lux per square meter” (Cd/Lux/m²). Conformance to coefficient of Retro-reflection requirements shall be determined by instrumental method in accordance with ASTM E-810 “Test Method for Coefficient of Retro-reflection of Retro-reflective Sheeting”, and per E-810 the values of 0° and 90° rotation are averaged.

Table III - Minimum Coefficient of Retro-reflection Candelas per Lux per square meter

Entrance Angle	Observation Angle	White	Fl. Yellow	Red	Fl. Orange	Green	Fl. Yellow Green	Blue	Brown
-4	0.2	570	340	115	200	57	460	26	17
-4	0.5	400	240	80	140	40	320	18	12
-4	1.0	120	72	24	42	12	96	5.4	3.6
30	0.2	215	130	43	75	22	170	11	6.5
30	0.5	150	90	30	52	15	120	6.8	4.5
30	1.0	45	27	9	16	4.5	36	2	1.4

C. Field Performance/Warranty:

A twelve (12)-year field performance warranty will remain effective for the reflective sign sheeting for its intended use and meet the stated minimum values of coefficient of Retroreflection for standard colors used in permanent sign applications.

Colors: white, red, green and blue.

Percentage of Table III Initial coefficient of Retroreflection Minimums Guaranteed over 12 Year Warranty Period

Warranty Period	Minimum Percentage R _a Retained
1-7 Years	80%
8-12 Years	70%

A ten (10)-year field performance warranty will remain effective for the reflective sign sheeting for its intended use and meet the stated minimum values of coefficient of Retroreflectrion for Fluorescent Yellow and Fluorescent Yellow-Green used in permanent sign applications. The warranty is subject to the following provision:

Warranty Period for Fluorescent Colors

Color	Warranty Period
Fluorescent Yellow	10 Years ⁵
Fluorescent Yellow Green	10 Years ⁵
Fluorescent Orange	3 Years

ADHESIVE AND FILM PROPERTIES

Test Methods shall comply with the following standards:

A. Standard Conditioning: All mounted and un-mounted test specimens shall be conditioned for 24 hours at 73° F ± 2° F and 50% ± 4% R.H. before testing.

B. Standard Test Panel and Application:

Unless otherwise specified, the reflective sheeting shall be applied according to the manufacturer's recommendations to smooth 0.063 inches minimum thickness 6061-T6, 5052-H38 or equivalent aluminum panels that have been degreased and lightly acid etched. Lack of contamination on test panels must be confirmed by passing water break and tape snap test.

C. Adhesion:

Apply 4 inches of a 1" x 6" strip of sheeting to a test panel and condition, face panel down and suspend a test weight of 13/4 lbs. from the free end. There shall not be more than 2 inches of peel in 5 minutes.

D. Impact Resistance:

Apply sheeting to a standard 0.040" x 3" x 5" test panel of alloy 6061-T6 and condition 24 hours. Subject sheeting to 100 inch pound, using a weight with a 5/8 inch diameter rounded tip dropped from a height necessary to generate an impact of 100 inch-pounds, at test temperatures of both 32° F and 72° F. No separation from the test panel or cracking outside the impact area shall be observed.

E. Shrinkage:

Following the conditioning of a 9" x 9" sample, remove liner, place specimen on flat surface with adhesive side up. Shrinkage not greater than 1/32" in 10 minutes or more than 1/8" in 24 hours in any dimension shall be observed.

F. Flexibility:

Following the conditioning of a 1" x 6" sample, remove liner and dust adhesive with talc. At standard conditions, bend in one second around 1/8" mandrel with adhesive side facing mandrel. There shall be no signs of cracking.

G. Gloss:

Test in accordance with ASTM D523 using an 85° glossmeter. There shall be a minimum reading of 50.

H. Application:

Care shall be exercised in the fabrication process so orientation of the sheeting for maximum entrance angle benefits is achieved. The sheeting shall be applied at room temperatures (65° F) or higher by methods recommended by the manufacturer.

I. Screen Processing:

Only screen processing inks recommended by the manufacturer for use on their product shall be used in the fabrication process.

SIGN FACE ONLY

FACES BELOW TO BE 3M BRAND, SERIES 3930 HIGH INTENSITY PRISMATIC SHEETING MATERIAL (HIP) OR EQUAL, WITH 1 COLOR LEGEND (BLACK, RED, WHITE) PER MUTCD DESIGN.

<u>FACE SIZE</u>	<u>PRICE PER FACE</u>	<u>FACE SIZE</u>	<u>PRICE PER FACE</u>
12"x36"	_____	24"x30"	_____
24"x42"	_____	24"x24"	_____
30"x30"	_____	24"x18"	_____
12"x18"	_____	12"x12"	_____
30"x36"	_____	18"x6"	_____
30"x18"	_____	48"x30"	_____
48"x24"	_____	36"x36"	_____
30" STOPS	_____		
36" STOPS	_____		

FACES BELOW TO BE 3M BRAND, SERIES 3930 SUPER HIGH INTENSITY PRISMATIC SHEETING OR EQUAL.

<u>FACE SIZE</u>	<u>PRICE PER FACE</u>	<u>FACE SIZE</u>	<u>PRICE PER FACE</u>
30"x30"	_____	48"x24"	_____
36"x36"	_____	12"x36"	_____
24"x24"	_____	24"x18"	_____

24"x30"	_____	24"x42"	_____
12"x18"	_____	12"x12"	_____
30"x36"	_____	18"x6"	_____
30"x18"	_____	48"x30"	_____
36" STOP AHEAD	_____	36" YIELD AHEAD	_____
36" SIGNAL AHEAD	_____	36" ROUND	_____
36"x48"x48" NO PASSING ZONE	_____	30"x12"	_____

FACES BELOW TO BE 3M BRAND, SERIES 4084, SUPER HIGH EFFICIENCY FULL CUBE PRISMATIC SHEETING, OR EQUAL, ORANGE DURABLE FLUORESCENT

<u>FACE SIZE</u>	<u>PRICE PER FACE</u>	<u>FACE SIZE</u>	<u>PRICE PER FACE</u>
30" DIAMOND	_____	36" DIAMOND	_____
48" DIAMOND	_____	30"x24"	_____
48"x18"	_____		

FACES BELOW TO BE 3M BRAND, SERIES 4083, SUPER HIGH EFFICIENCY FULL CUBE PRISMATIC SHEETING, OR EQUAL, FLUORESCENT YELLOW GREEN

<u>FACE SIZE</u>	<u>PRICE PER FACE</u>	<u>FACE SIZE</u>	<u>PRICE PER FACE</u>
36" DIAMOND	_____	24"x8"	_____
30"x 12"	_____	24"x12"	_____
30" x 18"	_____		

COMPLETED SIGNS

Aluminum sheet sign panel material is to meet the Michigan Department of Transportation 2003 Standard Specifications for Construction, Section 919 PERMANENT TRAFFIC SIGN AND SUPPORT MATERIAL, section 919.02 TRAFFIC SIGNS, and sub-section 3, ALUMINUM SHEET. The aluminum sheet sign panels will be Type III and must conform to the requirements for aluminum alloy 6061-T6, 5052-H38, or 5154-H38 of ASTM B 209. The Type III aluminum sheet sign panels must be fabricated from nominal 0.080 inch thick aluminum sheet with mill tolerance as specified in ASTM B 209. Corners must be rounded with 1.50 inch radius.

Hole punching of the sign panels is to conform to the Saginaw County Road Commission attached specification, any panel not conforming will be rejected. Thoroughly degrease the aluminum sheet panels according to the sheeting manufacturer's recommendations. After degreasing, surface treating, and proper rinsing, keep sign panels free of grease, oil, and other contaminants.

COMPLETED SIGNS BELOW TO BE 3M BRAND SERIES 4000, SUPER HIGH EFFICIENCY FULL CUBE PRISMATIC SHEETING WITH 3M BRAND SERIES 1160 PROTECTIVE OVERLAY FILM APPLIED OR EQUAL.

LEGEND

PRICE PER COMPLETED SIGN

30" STOP
36" STOP

COMPLETED SIGNS BELOW TO BE 3M BRAND SERIES 4000, SUPER HIGH EFFICIENCY FULL CUBE PRISMATIC SHEETING OR EQUAL.

LEGEND

PRICE PER COMPLETED SIGN

36" STOP
30" STOP
36" YIELD
18"x6" ALL WAY

COMPLETED SIGNS BELOW TO BE 3M BRAND SERIES 3930 YELLOW (HIP) OR EQUAL.

LEGEND

PRICE PER COMPLETED SIGN

36"x48"x48"
NO PASSING ZONE

36" ROUND ADVANCE
RAILROAD

COMPLETED SIGNS BELOW TO BE 3M BRAND SERIES 4083. SUPER HIGH EFFICIENCY FULL CUBE PRISMATIC SHEETING, FLUORESCENT YELLOW-GREEN OR EQUAL.

LEGEND

PRICE PER COMPLETED SIGN

36" SCHOOL

36" DIAMOND

STREET NAME SIGNS- (HIP) 3930 HIGH INTENSITY PRISMATIC OR EQUAL (SHEETED ON BOTH SIDES).

SIZE

PRICE

SIZE

PRICE

24" x 6"

24" x 9"

30" x 6"

30" x 9"

36" x 6"

36" x 9"

THE BIDDER'S ATTENTION IS CALLED TO THE FOLLOWING ESTIMATED INITIAL ORDER FOR SIGN FACES AND COMPLETED SIGNS

3930 SERIES HIGH INTENSITY PRISMATIC (HIP), OR EQUAL, FACE ONLY

<u>QUANTITY</u>	<u>TYPE</u>	<u>SIZE</u>	<u>DESCRIPTION</u>
100	R2-1	24"x30"	Speed Limit (Non-Numerical)
100	R4-1	24"x30"	Do Not Pass
50	R4-2	24"x30"	Pass With Care

3930 SERIES HIGH INTENSITY PRISMATIC (HIP), OR EQUAL, FACE ONLY

<u>QUANTITY</u>	<u>TYPE</u>	<u>SIZE</u>	<u>DESCRIPTION</u>
50	R8-3A	12"x12"	No Parking Symbol
20	R12-1	24"x30"	Bridge Limit
20	R12-5-	30"x36"	Bridge Limit

3930 SERIES HIGH INTENSITY PRISMATIC YELLOW (HIP) OR EQUAL, FACE ONLY

<u>QUANTITY</u>	<u>TYPE</u>	<u>SIZE</u>	<u>DESCRIPTION</u>
20	W1-1L	30"x30"	Left Turn
20	W1-1R	30"x30"	Right Turn
20	W1-2L	30"x30"	Left Curve
20	W1-2R	30"x30"	Right Curve
50	W1-6	48"x24"	Target Arrow
20	W1-7	48"x24"	Double Arrow
50	W1-8	18"x24"	Chevron
150	W2-1	30"x30"	Cross Road
100	W2-2	30"x30"	Side Road
100	W3-1A	36"x36"	Stop Ahead
20	W3-2A	36"x36"	Yield Ahead
20	W8-3	30"x30"	Pavement Ends
50	W13-1	18"x18"	Speed Plate
50	OM-3L	12"x36"	Left Portal
50	OM-3R	12"x36"	Right Portal

3930 SERIES HIGH INTENSITY PRISMATIC YELLOW (HIP) OR EQUAL, FACE ONLY

<u>QUANTITY</u>	<u>TYPE</u>	<u>SIZE</u>	<u>DESCRIPTION</u>
100	W14-3	36"x48"x48"	No Passing Zone

BIDDERS ARE TO FURNISH MATERIAL SAFETY DATA SHEET(S) WITH BID, IF REQUIRED, FOR MATERIAL BEING FURNISHED

BIDDER: _____

ADDRESS: _____

CITY, STATE, and ZIP: _____

TERMS: Net 30

DELIVERY: _____

BY: _____

TITLE: _____

DATE: _____

PHONE #: _____

Any questions please contact
Dan Medina, Director of Maintenance, 989-399-3773

SAGINAW COUNTY ROAD COMMISSION

BID FORM

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Monday, March 11, 2019 at 10:00 a.m.

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3110 Sheridan Avenue, Saginaw, MI 48601

PER: *Dan Medina,*
Director of Maintenance

Proposal No. 11 -- Metal Culvert Pipe

Pipe shall meet M.S.H.D. Specifications for Metal Culvert Pipe

BID PERIOD: April 1, 2019 through March 31, 2020
Price to be firm for bid period.

NOTE: *All discounts must be fully calculated on bid price list submitted in order for bid to be considered.*

ITEM 1

Corrugated Metal Pipe and Bands
Submit price list for sizes and gauge on 12" through 54"
Quote Price F.O.B. Saginaw in truckload lots or job sites

Pipe Diameter	16 Gauge	14 Gauge	12 Gauge	10 Gauge	8 Gauge	Bands
12"						
15"						
18"						
21"						
24"						
30"						
36"						
42"						
48"						
54"						

ITEM 2

Poly-Coated Corrugated Metal Pipe and Bands
Submit price list for sizes and gauge on 12" through 54"
Quote Price F.O.B. Saginaw in truckload lots or job sites

Pipe Diameter	16 Gauge	14 Gauge	12 Gauge	10 Gauge	8 Gauge	Bands
12"						
15"						
18"						
21"						
24"						
30"						
36"						
42"						
48"						
54"						

Lifting Lugs \$_____ ea.

SAGINAW COUNTY ROAD COMMISSION

BID FORM PROPOSAL #12

Gentlemen / Ladies:

Sealed Proposals will be received at the office of the Board of Saginaw County Road Commissioners at 3020 Sheridan Avenue, P.O. Box 1867, Saginaw, Michigan, 48605, until

Monday, March 11, 2019, at 10:00 a.m.

At which time and place proposals will be publicly opened and read for the furnishing of the following supplies, material and/or services for delivery at

F.O.B. Destination as listed as requested

PER: *Dan Medina,*
Director of Maintenance

Proposal No.12-Aggregate

SPECIFICATIONS: Must meet M.D.O.T. standard specifications for 31A Aggregate.
All material delivered shall be dry. (Wet material will be refused.)

BID PERIOD: April 1, 2019 – March 31, 2020

PRICE TO BE FIRM FOR BID PERIOD

<u>Description: 31A Limestone</u>	<u>Unit</u>	<u>Unit Price</u>
Chesaning Garage -- material & trucking	TON	\$ _____
Hemlock Garage -- material & trucking	TON	\$ _____
Saginaw County Rd. Comm. Garage -- material & trucking	TON	\$ _____
Geddes Road Pit – Materials & Trucking	TON	\$ _____
Curtis Road Pit – Material & Trucking	TON	\$ _____

In compliance with the above invitation for proposals, and subject to all conditions thereof, the undersigned offers, and agrees if this bid be accepted within 30 days from the date of opening, to furnish any and all items at the price quoted opposite each item, F.O.B. as indicated.

BIDDER: _____

ADDRESS: _____

CITY, STATE, and ZIP: _____

PHONE: _____

TERMS: **Net 30** **DELIVERY:** _____

BY: _____ **TITLE:** _____

DATE: _____

Any question please contact
Dan Medina, Director of Maintenance
at 989-752-6140 ext 3773

SPECIFICATIONS

Aggregates

Aggregates shall consist of sound, tough, durable particles, free from adherent films of matter that would prevent thorough coating with the bituminous material. The percentage of wear shall not be greater than 45 percent when tested in accordance with ASTM C-131.

Aggregates shall contain 100 percent having at least one fractured face.

Sampling and Testing

ASTM D75 shall be used in sampling the aggregate. The Contractor shall furnish documentation to the Engineer, at the time of bid confirming that the aggregate meets both AWI and L.A. Abrasion specification requirements.

Sources of Aggregates

Sources of aggregates shall be selected well in advance of the time the materials are required on the work. When the aggregates are obtained from a previously approved source of an existing source producing aggregates that have a satisfactory service submitted 10 days prior to the start of construction. The Engineer will make an inspection of the producer's operation. Approval of the source of aggregate does not relieve the Contractor in any way of the responsibility for delivery at the job site of aggregates that meet the requirements specified herein.

Samples of Aggregates

Saginaw County Road Commission shall take samples of aggregate during the time of delivery. All samples taken will be required to meet the following requirements:

TABLE 1 AGGREGATE GRADATION

Sieve Size	Percentage by Weight Passing Sieves Surface Course
12.5mm (½ in.)	100
9.5mm (3/8 in.)	95 - 100
4.75mm (No. 4)	35 - 65
2.36mm (No. 8)	0 - 25
Loss by Wash	2.5% Max

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F.O.B. as indicated

PER: *Dan Medina,*
Director of Maintenance

Proposal No. 14-- Ready Mix Concrete - Wet or Dry

SEE ATTACHED SHEET FOR SPECIFICATIONS AND PRICE QUOTATIONS

BID PERIOD: April 1, 2019 to March 31, 2020
(Price to be firm for bid period and exclusive of taxes.)

Quantities: As required

In compliance with the above invitation for proposals, and subject to all conditions thereof, the undersigned offers, and agrees if this bid be accepted within 15 days from the date of opening, to furnish any and all items at the price quoted opposite each item, F.O.B. as indicated.

BIDDER: _____

ADDRESS: _____

CITY, STATE, and ZIP:

PHONE: _____

TERMS: Net 30 **DELIVERY:** _____

BY: _____ **TITLE:** _____

DATE: _____

Quote Price F.O.B. County Trucks at Plant

Description _____ **Price per Cubic Yard** _____

4-1/2 sack \$ _____

Quote price per Cubic Yard delivered to Project Sites Saginaw County

Description **5 sack** **9 sack** **Price per Cubic Yard**

5 yards and over	_____	_____	\$ _____
4 to 5 yards	_____	_____	\$ _____
3 to 4 yards	_____	_____	\$ _____
2 to 3 yards	_____	_____	\$ _____
Under 2 yards	_____	_____	\$ _____

Add price per Cubic Yard per mile past free delivery zone: _____

Indicate Free Delivery Zone: _____

Add price per Cubic Yard at or after 3:00 p.m. _____

Add price per Cubic Yard Saturday: A.M. _____ **P.M.** _____

Free Unloading Time: _____

Demurrage: _____

Add price per Cubic Yard Chloride Concrete: _____

Any questions please contact
Dan Medina, Director of Maintenance
at 989-399-3773

SAGINAW COUNTY ROAD COMMISSION

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Monday, March 11, 2019 at 10:00 a.m.

At which time and place proposals will be publicly opened and read for the furnishing of the following supplies, material and/or services for delivery at

F.O.B. Destination as listed

PER: *Dan Medina,*
Director of Maintenance

Proposal No.15

SPECIFICATIONS: See Attachment.

BID PERIOD: April 1, 2019 – March 31, 2020
PRICE TO BE FIRM FOR BID PERIOD

STOCKPILE AT THE FOLLOWING LOCATIONS:

<u>Description: C S 2 Trap Rock & 29A Limestone 50/50 Blend</u>	<u>Unit</u>	<u>Unit Price</u>
Geddes Road Borrow Pit -- material & trucking	TON	\$ _____
Curtis Road Borrow Pit -- material & trucking	TON	\$ _____
Chesaning Garage -- material & trucking	TON	\$ _____
Hemlock Garage -- material & trucking	TON	\$ _____
Saginaw County Rd. Comm. Garage -- material & trucking	TON	\$ _____
Pick-up by Road Comm Trucks at Source -- material	TON	\$ _____
Albee Township -- material & trucking	TON	\$ _____
Birch Run Township -- material & trucking	TON	\$ _____
Blumfield Township -- material & trucking	TON	\$ _____
Brady Township -- material & trucking	TON	\$ _____
Brant Township -- material & trucking	TON	\$ _____
Bridgeport Township -- material & trucking	TON	\$ _____
Buena Vista Township -- material & trucking	TON	\$ _____

Carrollton Township -- material & trucking	TON \$ _____
Chapin Township -- material & trucking	TON \$ _____
Chesaning Township -- material & trucking	TON \$ _____
Frankenmuth Township -- material & trucking	TON \$ _____
Fremont Township -- material & trucking	TON \$ _____
James Township -- material & trucking	TON \$ _____
Jonesfield Township -- material & trucking	TON \$ _____
Kochville Township -- material & trucking	TON \$ _____
Lakefield Township -- material & trucking	TON \$ _____
Maple Grove Township -- material & trucking	TON \$ _____
Marion Township -- material & trucking	TON \$ _____
Richland Township -- material & trucking	TON \$ _____
Saginaw Township -- material & trucking	TON \$ _____
St. Charles Township -- material & trucking	TON \$ _____
Spaulding Township -- material & trucking	TON \$ _____
Swan Creek Township -- material & trucking	TON \$ _____
Taymouth Township -- material & trucking	TON \$ _____
Thomas Township -- material & trucking	TON \$ _____
Tittabawassee Township -- material & trucking	TON \$ _____
Zilwaukee Township -- material & trucking	TON \$ _____

In compliance with the above invitation for proposals, and subject to all conditions thereof, the undersigned offers, and agrees if this bid be accepted within 30 days from the date of opening, to furnish any and all items at the price quoted opposite each item, F.O.B. as indicated.

BIDDER: _____

ADDRESS: _____

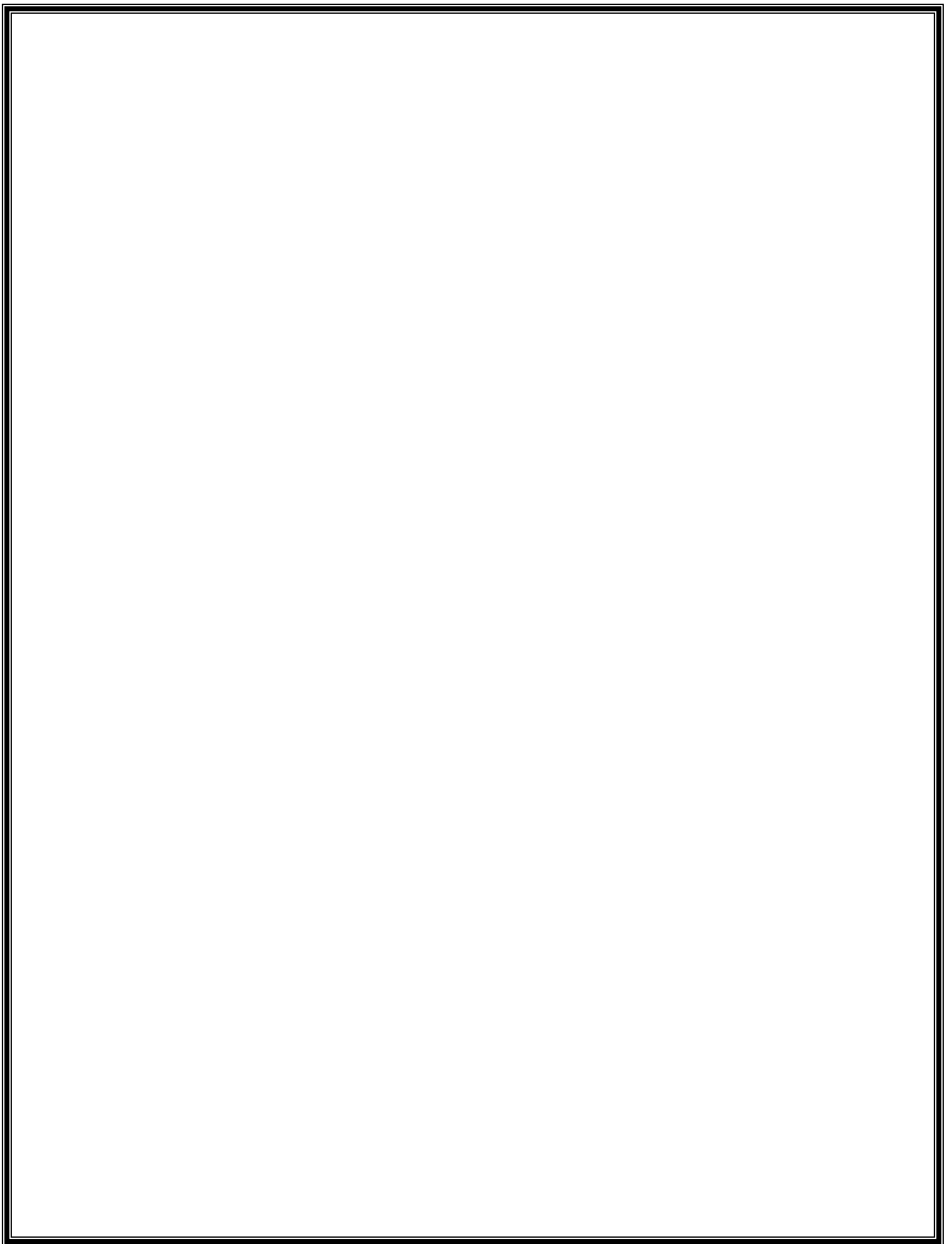
CITY, STATE, and ZIP: _____

PHONE: _____

TERMS: **Net 30** **DELIVERY:** _____

BY: _____ **TITLE:** _____

DATE: _____



SPECIFICATIONS

Aggregates

Aggregates shall consist of sound, tough, durable particles, free from adherent films of matter that would prevent thorough coating with the bituminous material. The percentage of wear shall not be greater than 45 percent when tested in accordance with ASTM C-131.

Aggregates shall contain 100 percent having at least one fractured face.

Sampling and Testing

ASTM D75 shall be used in sampling the aggregate. The Contractor shall furnish documentation to the Engineer, at the time of bid confirming that the aggregate meets both AWI and L.A. Abrasion specification requirements.

Sources of Aggregates

Sources of aggregates shall be selected well in advance of the time the materials are required on the work. When the aggregates are obtained from a previously approved source of an existing source producing aggregates that have a satisfactory service submitted 10 days prior to the start of construction. The Engineer will make an inspection of the producer's operation. Approval of the source of aggregate does not relieve the Contractor in any way of the responsibility for delivery at the job site of aggregates that meet the requirements specified herein.

Samples of Aggregates

Saginaw County Road Commission shall take samples of aggregate during the time of delivery. All samples taken will be required to meet the following requirements:

Gradation Report

Product: CS-2

<i>Sieve Designation</i>	Specification
1/2" (12.5mm)	100.0
3/8" (9.5mm)	85-100
1/4" (6.7mm)	0
#4 (4.75mm)	10-30
#8 (2.36mm)	0-10
#200 (75um)	0.3

Detail Gradation Statistical Summary Report

Product: 29A Limestone

Sieve/Test	Specification
1/2" (12.5mm)	100-100
3/8" (9.5mm)	90-100
#4 (4.75mm)	10-30
#8 (2.36mm)	0-10
#200 (75um)	0-3
Pan	

Approximate Tonnage Needed: 24,000 ton (+/-)

SAGINAW COUNTY ROAD COMMISSION

BID FORM PROPOSAL #12

Gentlemen / Ladies:

Sealed Proposals will be received at the office of the Board of Saginaw County Road Commissioners at 3020 Sheridan Avenue, P.O. Box 1867, Saginaw, Michigan, 48605, until

Monday, March 11, 2019, at 10:00 a.m.

At which time and place proposals will be publicly opened and read for the furnishing of the following supplies, material and/or services for delivery at

F.O.B. Destination as listed as requested

PER: *Dan Medina,*
Director of Maintenance

Proposal No.12-Aggregate

SPECIFICATIONS: Must meet M.D.O.T. standard specifications for 31A Aggregate.
All material delivered shall be dry. (Wet material will be refused.)

BID PERIOD: April 1, 2019 – March 31, 2020

PRICE TO BE FIRM FOR BID PERIOD

<u>Description: 31A Limestone</u>	<u>Unit</u>	<u>Unit Price</u>
Chesaning Garage -- material & trucking	TON	\$ _____
Hemlock Garage -- material & trucking	TON	\$ _____
Saginaw County Rd. Comm. Garage -- material & trucking	TON	\$ _____
Geddes Road Pit – Materials & Trucking	TON	\$ _____
Curtis Road Pit – Material & Trucking	TON	\$ _____

In compliance with the above invitation for proposals, and subject to all conditions thereof, the undersigned offers, and agrees if this bid be accepted within 30 days from the date of opening, to furnish any and all items at the price quoted opposite each item, F.O.B. as indicated.

BIDDER: _____

ADDRESS: _____

CITY, STATE, and ZIP: _____

PHONE: _____

TERMS: **Net 30** **DELIVERY:** _____

BY: _____ **TITLE:** _____

DATE: _____

Any question please contact
Dan Medina, Director of Maintenance
at 989-752-6140 ext 3773

SPECIFICATIONS

Aggregates

Aggregates shall consist of sound, tough, durable particles, free from adherent films of matter that would prevent thorough coating with the bituminous material. The percentage of wear shall not be greater than 45 percent when tested in accordance with ASTM C-131.

Aggregates shall contain 100 percent having at least one fractured face.

Sampling and Testing

ASTM D75 shall be used in sampling the aggregate. The Contractor shall furnish documentation to the Engineer, at the time of bid confirming that the aggregate meets both AWI and L.A. Abrasion specification requirements.

Sources of Aggregates

Sources of aggregates shall be selected well in advance of the time the materials are required on the work. When the aggregates are obtained from a previously approved source of an existing source producing aggregates that have a satisfactory service submitted 10 days prior to the start of construction. The Engineer will make an inspection of the producer's operation. Approval of the source of aggregate does not relieve the Contractor in any way of the responsibility for delivery at the job site of aggregates that meet the requirements specified herein.

Samples of Aggregates

Saginaw County Road Commission shall take samples of aggregate during the time of delivery. All samples taken will be required to meet the following requirements:

TABLE 1 AGGREGATE GRADATION

Sieve Size	Percentage by Weight Passing Sieves Surface Course
12.5mm (½ in.)	100
9.5mm (3/8 in.)	95 - 100
4.75mm (No. 4)	35 - 65
2.36mm (No. 8)	0 - 25
Loss by Wash	2.5% Max

SAGINAW COUNTY ROAD COMMISSION

BID FORM

Gentlemen / Ladies

Sealed Proposals will be received at the office of the Board of Saginaw County Road Commissioners at 3020 Sheridan Avenue, Saginaw, Michigan, 48601, until

MONDAY, MARCH 11, 2019, AT 10:00 A.M.

at which time and place proposals will be publicly opened and read for the furnishing of the following supplies, material and/or services for delivery at

AS INDICATED

PER: *Dan Medina, Director of Maintenance*

Proposal No. 19 - Asphalt Emulsions

The Asphalt Emulsions shall be in accordance with the MDOT 2012 standard specifications book, table 904-6.

HFRS-2M

HFRS-2

Bid Period: April 1, 2019 – March 31, 2020

Estimated Quantity: 800,000 Gallons ±

Price to be firm for Bid Period.

<u>DESCRIPTION</u>	<u>UNIT</u>	<u>UNIT PRICE</u>
HFRS-2M F.O.B. Shipping Point	GALLON	\$ _____
HFRS-2M F.O.B. Job Site	GALLON	\$ _____
HFRS-2 F.O.B. Shipping Point	GALLON	\$ _____
HFRS-2 F.O.B. Job Site	GALLON	\$ _____
CRS-2M F.O.B. Shipping Point	GALLON	\$ _____
CRS-2M F.O.B. Job Site	GALLON	\$ _____

Gallons Per Delivery: 9,000 minimum

Average Gallons Per Day: 40,000

2 Hours - Load cancellation time before load is due

Free Unloading Time: 4 hours

Demurrage: _____

Tankers must have the ability to load two SCRC distributors at the same time.

Material Returned: No Charge

A 5% price reduction will be incurred if delivery is not made at the pre selected time and location. Arrival and departure times will be signed and noted by our distributor drivers.

CHIPLOCK F.O.B. Shipping Point GALLON \$_____

CHIPLOCK F.O.B. Job Site GALLON \$_____

FOGSEAL GALLON \$_____

FOGSEAL F.O.B. Job Site GALLON \$_____

PEP-DILUTE GALLON \$_____

In compliance with the above invitation for proposals, and subject to all conditions thereof, the undersigned offers, and agrees if this bid be accepted, to furnish any and all items at the price quoted opposite each item, F.O.B. as indicated.

BIDDER: _____

ADDRESS: _____

CITY, STATE, ZIP: _____

TERMS: Net 30 **DELIVERY:** _____

BY: _____ **TITLE:** _____

DATE: _____

PHONE: _____

BY AGREEMENT OF BOTH PARTIES, THIS BID MAY BE EXTENDED FOR ADDITIONAL ONE (1) YEAR PERIODS.

PROPOSAL #20

**ROADSIDE VEGETATION
CONTROL TREATMENT**

for

2019 Season
(April 1, 2019 to March 31, 2020)

Gentlemen / Ladies:

Sealed Proposals will be received at the office of the Board of Saginaw County Road Commissioners at 3020 Sheridan Avenue, Saginaw, Michigan, 48601, until

Monday, March 11, 2019 at 10:00 a.m.

At which time and place proposals will be publicly opened and read for the furnishing of the following supplies, material and/or services for delivery at

3110 Sheridan Avenue, Saginaw, MI 48601

The undersigned bidder proposes to furnish all necessary material, labor and equipment to spray a chemical solution to control either weeds or brush on roads in Saginaw County in accordance with the following specifications.

All bidders must be Department of Agriculture Right-of-Way Licensed (Category 6) with a copy of license being submitted with the bid.

1. Experience:

The bidder shall have at least three (3) years experience on spraying roadsides with herbicides on County or State level, and each spray unit must be manned with at least one certified operator. Contractor must be pre-qualified by the Michigan Department of State Highways for this type of operation. (Must be supplied on State Highway letterhead at time of bid.) Bidder shall furnish list of Counties and States where they have performed contract-spraying service.

2. Equipment:

Contractor shall furnish, operate and maintain suitable and adequate equipment necessary to perform above operations in an approved and workmanlike manner without hindrance or delay. The contractor shall have enough satisfactory equipment and trained personnel that he completes each application of spray within ten (10) consecutive working days.

Satisfactory spraying equipment shall consist of: Truck mounted spray units with a liquid capacity of not less than 1,000 gallons. Each spraying unit shall be powered by a high-pressure pump capable of delivering from 50 to 600 psi and shall be so constructed so as to have sufficient spraying outlets to cover the entire width of any roadsides on one side of the road.

Pressure regulations shall be flexible enough to permit easy adjustment to insure adequate coverage at minimum risk. Prior to the issuance of purchase order, the County Highway Engineer,

Director of Maint. or Maint. Superintendent reserves the right to inspect the equipment of the bidder as to suitability for highway spray work. The awarded contractor will be required to give an actual roadside demonstration showing their application process of all proposed equipment they will be using throughout the spraying contract season. A satisfactory results must be approved by one of the above mentioned County employees prior to approval of continuing the spraying contract.

Contractor must have GPS capability to show and map start and stop of spray locations.

Contractor must provide a daily log on their letterhead stating what they are spraying for, date, start time, end time, township, starting gallons, ending gallons, chemical used, amount of chemical used, weather conditions (temperature, wind speed and direction) and space for a signed name and a signature.

3. **Contractor must obtain any necessary permits in order to perform said work. (e.g. State of Michigan Department of Environmental Quality - Water Treatment Additive Approval Process; National Pollutant Discharge Elimination System Point Source Discharge General Permit).
Consult with Road Commission personnel prior to submitting applications.**
4. **Contractor Insurance Options for Construction Contracts
Beginning with the Letting Dated October 5, 2007**

The Contractor will have the choice in obtaining one of the two options listed below:

Option 1

Owners Protective Liability Insurance

Policy with agencies shown in contract specifications as named insureds. The minimum limit shall be \$1,000,000 for each occurrence of bodily injury and property damage protection.

Option 2

Commercial General Liability Insurance

Certificate of Liability Insurance shall be provided which exhibits all of the following:

- A. ISO Form CG 20 10, Additional Insured — Owners, Lessees, or Contractors — Scheduled Person or Organization, or its equivalent.
 1. MDOT contract number and a brief description of the project must be listed in the Description of Operations section of the certificate.
 2. Additional named insureds (see agencies named in contract specifications) must be stated in the Description of Operations section of the certificate.
 3. Additional Insured and the endorsement form number must be stated in Description of Operations section of the certificate.
- B. ISO Form CG 25 03, Designated Construction Project(s) General Aggregate Limit, or its equivalent.
 1. Per Project Aggregate and the endorsement form number must be stated in the Description of Operations section of the certificate.

- C. Umbrella limit of at least \$2,000,000 must be shown.
- D. Notice. All insurance policies and binders must also include endorsements by which the insurer shall agree to provide the Department, in writing, the following:
 - 1. A 30-day prior notice of any insurer initiated cancellation or reduction in coverage for reasons other than nonpayment of premium.
 - 2. A 10-day prior notice of any cancellation or reduction in coverage for nonpayment of premium.
 - 3. Immediate notice of Contractor's cancellation or reduction of coverage.

The Contractor shall cease operations if any insurance is cancelled or reduced, and shall not resume operations until new insurance is in force.

Item A: Brush Control

- 1. Roads to be sprayed with mixed spray solution applied to Primary or Local roads as a spot brush application to set foliage to point of runoff only.
- 2. Application shall be a solution containing 2 quarts Tordon K plus 1 ½ ounces of Escort, 1 quart of Improve (Surfactant) and 8 ounces of Control to each 100 gallons of water shall be applied to existing brush only on the right-of-way as a spot treatment to wet foliage.
- 3. Time of application shall be August 1st to September 13th.

PRICE PER GALLON OF SOLUTION APPLIED: \$ _____

Item B: Brush Control (Sensitive Areas)

- 1. Roads to be sprayed with a mixed spray solution applied to Primary or Local roads as a spot brush application to wet foliage to point of runoff only.
- 2. Application shall be a solution containing 8 quarts DuPont Krenite S applied to Primary or Local roads as a spot brush application to wet foliage to point of runoff only.
- 3. Time of application shall be August 1st to September 13th.

PRICE PER GALLON OF SOLUTION APPLIED: \$ _____

Item C: Guard Rail Vegetation Control

- 1. Spray shall be 30" wide covering guardrail, applied evenly over the guardrail for both grass and weed control.
- 2. Application shall be a solution containing 1 gallon Velpar L, 4 ounces Oust, 6 pounds Karmex DF and 16 ounces Bio 88 Surfactant to each 100 gallons of water. Applied at 100 gallons per acre.
- 3. Time of application shall be during the month of June.

PRICE PER LINEAL FOOT GUARDRAIL TREATED: \$ _____

Item D: Cattail & Phragmites Control

1. Roads to be sprayed with mixed spray solution applied to Primary or Local roads as a Cattail & Phragmites application to set foliage to point of runoff only.
2. Application shall be a solution containing 2 qt. Habitat (Isoprophylamine salt of Imazapyr), 2 qt. Rodeo (Phosphonomethyl), 1 qt. Improve (Surfactan) & 4 oz. Control (drift) to each 100 gallons of water and shall be applied to existing cattail & phragmites only on the right-of-way as a spot treatment to wet foliage.
3. Time of application shall be July 1st to August 8th.

PRICE PER GALLON OF SOLUTION APPLIED: \$ _____

_____ **Department of Agriculture Right-of-Way License (Category 6)**

FIRM NAME: _____

ADDRESS: _____

CITY, STATE & ZIP: _____

PHONE: _____

SIGNED BY: _____

DATE: _____

PHONE: _____

TERMS: **Net 30**

*FOR ANY QUESTIONS:
Please call
Dan Medina, Director of Maintenance
at 989-399-3773*

HOLD HARMLESS INDEMNIFICATION AGREEMENT

_____ agrees to defend, indemnify and hold harmless the Saginaw County Road Commission and it's Commissioners, Officers, Agents, and Employees from all claims of whatsoever nature or kind, including those brought by employees of _____ arising out of or as a result of any act or failure to act, whether or not negligent, in connection with the performance of the work to be performed pursuant to this contract by _____ it's Employees, and Agents. _____ agrees to defend and pay all cost in defending these claims, including attorney fees.

Further, _____ agrees to maintain public liability and property damage insurance (including automobile public liability and property damage insurance) to cover the obligations set forth above. The minimum limits of liability shall be \$1,000,000.00 bodily injury and property damage. The Saginaw County Road Commission shall receive a minimum 30-day notice in the event of cancellation of insurance required by the agreement.

_____ shall furnish a certificate of insurance to The Saginaw County Road Commission showing that the above obligations and requirements are provided for by a qualified insurance carrier, and showing the Saginaw County Road Commission as an additional insured on such insurance.

Further, _____ confirms that they have an MIOSHA Compliance Safety Program and it is conducted on an ongoing basis.

Contractor Name

Signature

Title

Date

PROPOSAL #22

**Grinding & Removal
of
Existing Stumps**

For 2019 Season
(April 1, 2019 to March 31, 2020)

Gentlemen / Ladies

Sealed Proposals will be received at the office of the Board of Saginaw County Road Commissioners at 3020 Sheridan Avenue, Saginaw, Michigan, 48601, until

MONDAY, MARCH 11, 2019 AT 10:00 A.M.

The undersigned bidder, having become familiar with the local conditions affecting the cost of the work, proposes and agrees to furnish all superintendence, labor, materials, tools, water, power, transportation and other means of construction necessary to complete in all respects the proposed item of work for the Saginaw County Road Commission at the prices stated.

The work includes the following:

DESCRIPTION

The Contractor will be provided a list of stumps at various locations throughout the County. The stumps will be ground to six inches below the existing ground level. The residue will be removed and the hole filled by the Road Commission.

A price is also being solicited for the rental of a hydraulic bucket truck or Hi-Ranger with an operator to be used occasionally for tree trimming. The unit must be capable of operating safely at a height of thirty (30) feet above the ground.

MEASUREMENT AND PAYMENT

Measurement of stumps will be made by averaging the diameter of the top of the stump, measured in inches. Payment will be made at the Contract Unit Price Per Inch.

Measurement for use of the hydraulic bucket truck will be made per hour, for the time spent on the job.

**Contractor Insurance Options for Construction Contracts
Beginning with the Letting Dated October 5, 2007**

The Contractor will have the choice in obtaining one of the two options listed below:

Option 1

Owners Protective Liability Insurance

Policy with agencies shown in contract specifications as named insureds. The minimum limit shall be \$1,000,000 for each occurrence of bodily injury and property damage protection.

Option 2

Commercial General Liability Insurance

Certificate of Liability Insurance shall be provided which exhibits all of the following:

- A. ISO Form CG 20 10, Additional Insured — Owners, Lessees, or Contractors — Scheduled Person or Organization, or its equivalent.
 - 1. MDOT contract number and a brief description of the project must be listed in the Description of Operations section of the certificate.
 - 2. Additional named insureds (see agencies named in contract specifications) must be stated in the Description of Operations section of the certificate.
 - 3. Additional Insured and the endorsement form number must be stated in Description of Operations section of the certificate.
- B. ISO Form CG 25 03, Designated Construction Project(s) General Aggregate Limit, or its equivalent.
 - 1. Per Project Aggregate and the endorsement form number must be stated in the Description of Operations section of the certificate.
- C. Umbrella limit of at least \$2,000,000 must be shown.
- D. Notice. All insurance policies and binders must also include endorsements by which the insurer shall agree to provide the Department, in writing, the following:
 - 1. A 30-day prior notice of any insurer initiated cancellation or reduction in coverage for reasons other than non-payment of premium.

2. A 10-day prior notice of any cancellation or reduction in coverage for nonpayment of premium.

3. Immediate notice of Contractor's cancellation or reduction of coverage.

The Contractor shall cease operations if any insurance is cancelled or reduced, and shall not resume operations until new insurance is in force.

UNIT PRICE PER INCH: \$ _____

UNIT PRICE PER HOUR: \$ _____

Company Name: _____

Street Address: _____

City, State, & Zip _____

Phone Number: _____

Company Rep: _____

Date: _____

Terms: **Net 30**

FOR QUESTIONS: Please call Dan Medina, Director of Maintenance - 989-399-3773

SAGINAW COUNTY ROAD COMMISSION

BID FORM

Gentlemen / Ladies:

Sealed Proposals will be received at the office of the Board of Saginaw County Road Commissioners at 3020 Sheridan Avenue, Saginaw, Michigan, 48601, until

MONDAY, MARCH 11, 2019 AT 10:00 A.M.

At which time and place proposals will be publicly opened and read for the furnishing of the following supplies, material and/or services for delivery at

F.O.B. DESTINATION AS LISTED

PER: *Dan Medina,*
Director of Maintenance

Proposal No. 25 - Calcium Magnesium Chloride Solution

SPECIFICATIONS FOR 38% LIQUID CALCIUM CHLORIDE OR EQUALIVENT
(higher application rate for lower chloride content)
(on attached sheet)

BID PERIOD: April 1, 2019 – March 31, 2020

Price shall be firm for bid period and exclusive of taxes.
Estimated gallons per bid period: 600,000 gallons or more if equalivent is used.
Delivered and applied on Saginaw County Roads

SUMMER BRINE

<u>Description</u>	<u>Unit</u>	<u>%</u>	<u>Unit Price</u>
Calcium Magnesium Chloride Solution	GAL.	____%	\$_____

NOTE: Supplier shall provide us with a Material Data Sheet

Lead time _____ hour(s)

WINTER BRINE

Bidder must supply storage tanks with the capacity to store a minimum of 9500 gallons for each location.

Storage Price to Chesaning Garage, 700 Lansing St. \$ _____

Storage Price to Hemlock Garage, 330 Cedar St. \$ _____

Storage Price to Saginaw Garage, 3020 Sheridan Ave. \$ _____

Brine Delivery Only - SCRC will supply storage tanks with the capacity to store a minimum of 9500 gallons for each location.

Storage Price to Chesaning Garage, 700 Lansing St. \$ _____

Storage Price to Hemlock Garage, 330 Cedar St. \$ _____

Storage Price to Saginaw Garage, 3020 Sheridan Ave. \$ _____

In compliance with the above invitation for proposals, and subject to all conditions thereof, the undersigned offers, and agrees if this bid be accepted within 30 days from the date of opening, to furnish any and all items at the price quoted opposite each item, F.O.B. as indicated.

BIDDER: _____

ADDRESS: _____

CITY, STATE, and ZIP:

PHONE: _____

TERMS: _____ **DELIVERY:** _____

BY: _____ **TITLE:** _____

DATE: _____

Any questions please contact
Dan Medina, Director of Maintenance
at 989-399-3773

SPECIFICATION FOR 38% LIQUID CALCIUM CHLORIDE

The effective yield per square yard of Calcium Chloride shall not be less than 38% and conform to the following specifications:

Calcium Chloride	24% minimum
Magnesium Chloride	.21% maximum
Alkali Chlorides (as NaCl)	2.3% maximum
Specific Gravity at 25 Celsius	1.39

The liquid calcium chloride shall contain not less than 38% by weight per square yard of calcium chloride as applied to road surfaces. It is the intent of this specification that all liquid calcium chloride after placement on road surfaces contain not less than 38% solution of calcium chloride per square yard. However, occasional roads containing less than 38% calcium chloride solids after application may be accepted by the Director-Manager in accordance with the following payment schedule:

<u>Calcium Chloride Percent by Weight of Solution</u>	<u>Payment Reduction Percent of Contracted Price</u>
37.5+	0
37.0 - 37.4	5
36.0 - 36.9	10
35.0 - 35.9	15
34.0 - 34.9	20
33.0 - 33.9	25
Less than 33.0	100

TIME REQUIRED FOR EACH APPLICATION

The application shall be completed at a minimum rate of 80,000 gallons per working day. A working day shall be any day **except Friday, Saturday or Sunday** when the weather or road conditions permit at least ten (10) hours work, (6:00 a.m. to 4:00 p.m.)

ASSISTANCE

The Saginaw County Road Commission assumes responsibility for preparing the road surface by scraping or by other means in advance of spreading operations to guarantee a reasonable smooth surface on which to apply the calcium chloride solution. The Road Commission will **provide a map showing which roads are to be treated as well as application rate. (IE: single 12', double 2 @10', or triple 3 @10' pass)** to provide direction and coordination.

DELIVERY

Delivery shall be made upon demand in 9,500-gallon minimum lots. The bidder shall specify the "lead time" required between his receipt of the delivery order and the arrival of the material in Saginaw County. (Bidder specified "lead time" of [redacted] hours.)

The successful bidder shall furnish the Road Commission, at the time of delivery of **each load** of liquid calcium chloride solution, two copies of the delivery report for that load, which shall contain the following information:

1. The gallons or weight of solution delivered.
2. The concentration of the solution delivered, expressed as percent CaCl₂.
3. A detailed list showing roads to which the individual load was applied as well as gallons applied at each location.

All materials supplied by the gallon must be on metered tickets that have a current Certificate of Conformance and be inspected and tested by a Weights and Measures Official prior to delivery, in accordance with P.A. 283 of 1964, as amended.

CANCELLATION

Saginaw County reserves the right to cancel a load up to one hour before the load is due.

Contractor Insurance Options for Construction Contracts Beginning with the Letting Dated October 5, 2007

The Contractor will have the choice in obtaining one of the two options listed below:

Option 1

Owners Protective Liability Insurance

Policy with agencies shown in contract specifications as named insureds. The minimum limit shall be \$1,000,000 for each occurrence of bodily injury and property damage protection.

Option 2

Commercial General Liability Insurance

Certificate of Liability Insurance shall be provided which exhibits all of the following:

- A. ISO Form CG 20 10, Additional Insured — Owners, Lessees, or Contractors — Scheduled Person or Organization, or its equivalent.

1. MDOT contract number and a brief description of the project must be listed in the Description of Operations section of the certificate.
 2. Additional named insureds (see agencies named in contract specifications) must be stated in the Description of Operations section of the certificate.
 3. Additional Insured and the endorsement form number must be stated in Description of Operations section of the certificate.
- B. ISO Form CG 25 03, Designated Construction Project(s) General Aggregate Limit, or its equivalent.
1. Per Project Aggregate and the endorsement form number must be stated in the Description of Operations section of the certificate.
- C. Umbrella limit of at least \$2,000,000 must be shown.
- D. Notice. All insurance policies and binders must also include endorsements by which the insurer shall agree to provide the Department, in writing, the following:
1. A 30-day prior notice of any insurer initiated cancellation or reduction in coverage for reasons other than nonpayment of premium.
 2. A 10-day prior notice of any cancellation or reduction in coverage for nonpayment of premium.
 3. Immediate notice of Contractor's cancellation or reduction of coverage.

The Contractor shall cease operations if any insurance is cancelled or reduced, and shall not resume operations until new insurance is in force.

TEMPORARY STORAGE

Should the successful bidder elect to temporarily store the calcium chloride solution in a portable bulk storage tank prior to loading it on to the application units, the portable bulk storage tank shall be equipped with an acceptable, state certified metering device to measure the gallons transferred from the bulk storage tank to the application unit. In lieu of metering the volume of the calcium chloride solution, the successful bidder may weigh each loaded application unit on approved, state certified scales as the means of determining the quantity of material delivered.

EQUIPMENT

Each bidder shall furnish, with his bid, a complete list of all equipment which he proposes to utilize for application of the calcium chloride solution, which list shall include the make, model, model year, and capacity in gallons of each unit. Each unit shall be equipped with a calibrated solution pump capable of uniform application of the calcium chloride solution at the specified rate. The solution pump shall be driven from the truck axle so as to provide a direct relationship between the ground speed of the vehicle and the rate of solution pump delivery. PTO or hydraulically driven solution pumps will not be allowed. The solution tank, piping, solution pump and appurtenances of each delivery unit shall be maintained in a workable condition so as to avoid spills, loss of brine solution, or inconsistent application.

The supplier of mineral well brine shall provide a sufficient number of application units, in good working order, so that the available application units, operating in sequence, are able to deliver and apply, upon demand, up to 80,000 gallons of calcium chloride solution during normal business hours.

CANCELLATION OF CONTRACT

THE SAGINAW COUNTY ROAD COMMISSION RESERVES THE RIGHT TO CANCEL THE CONTRACT WITH THE CONTRACTOR IF THE COUNTY REPRESENTATIVES DETERMINE THE CONTRACTOR'S EQUIPMENT FAILS TO MEET REASONABLE SCHEDULES IN COMPLETING THE DUST PALLIATIVE PROGRAM.

In case of default by the bidder or contractor, the Saginaw County Road Commission may procure the articles or services from other sources and hold the bidder or contractor responsible for any excess cost occasioned thereby.

CONTRACT EXTENSION

By the agreement of both parties, this bid may be extended for additional (1) year periods.

SAGINAW COUNTY ROAD COMMISSION

BID FORM

Gentlemen / Ladies:

Sealed Proposals will be received at the office of the Board of Saginaw County Road Commissioners at 3020 Sheridan Avenue, Saginaw, Michigan, 48601, until

Monday, March 11, 2019 at 10:00 a.m.

At which time and place proposals will be publicly opened and read for the furnishing of the following supplies, material and/or services for delivery at

**F.O.B. Comm. Truck at loading point, F.O.B. Saginaw Stockpile--Sheridan Ave., F.O.B. Chesaning Garage, F.O.B. Hemlock Garage; F.O.B. Township
(Delivery between 7:00 am & 3:30 pm)**

PER *Dan Medina,*
Director of Maintenance

Proposal No. 26 – 23A & 22A Modified Crushed Limestone

BID PERIOD: April 1, 2019 – March 31, 2020

PRICE: Firm for Bid Period & Exclusive of Tax

QUANTITY: AS NEEDED **LOADING POINT:** _____

<u>DESCRIPTION</u>	<u>UNIT</u>	<u>PRICE</u>
23A. F.O.B. Loading Point	TON	\$ _____
23A. F.O.B. Saginaw Garage (4000 tons-approx.)	TON	\$ _____
23A. F.O.B. Chesaning Garage (2000 tons-approx)	TON	\$ _____
23A. F.O.B. Hemlock Garage (2000 tons-approx.)	TON	\$ _____

The above material is to be tailgate spread in the following townships, exact location may vary within township.

23A. F.O.B. Albee Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Birch Run Twp. -- material & trucking	TON	\$ _____

23A. F.O.B. Blumfield Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Brady Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Brant Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Bridgeport Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Buena Vista Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Carrollton Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Chapin Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Chesaning Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Frankenmuth Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Fremont Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. James Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Jonesfield Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Kochville Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Lakefield Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Maple Grove Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Marion Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Richland Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Saginaw Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. St. Charles Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Spaulding Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Swan Creek Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Taymouth Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Thomas Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Tittabawassee Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Zilwaukee Twp. -- material & trucking	TON	\$ _____

22A. F.O.B. Albee Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Birch Run Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Blumfield Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Brady Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Brant Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Bridgeport Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Buena Vista Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Carrollton Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Chapin Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Chesaning Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Frankenmuth Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Fremont Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. James Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Jonesfield Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Kochville Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Lakefield Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Maple Grove Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Marion Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Richland Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Saginaw Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. St. Charles Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Spaulding Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Swan Creek Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Taymouth Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Thomas Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Tittabawassee Twp. -- material & trucking	TON	\$ _____

GENERAL INSTRUCTION TO BIDDERS

EXAMINATION OF SITE:

Bidders shall familiarize themselves with the site and roads over which materials will be hauled.

BID FORM:

Sealed proposals must be submitted on bid forms furnished by the Commission, in a sealed envelope marked "PROPOSAL #26 - GRAVEL RESURFACING BIDS". All proposals must be filled out in ink or typewritten and shall be legally signed and the complete address of the bidder given thereon.

OPENING OF BIDS:

All bids received will be publicly opened and read at the designated time and place stated in the advertisement. All bidders are invited to be present.

REJECTION OF BIDS:

The Board reserves the right to accept or reject any or all bids, waive any irregularities and to accept the bid which, in their opinion, is in the best interest of the County of Saginaw.

INSURANCE REQUIREMENTS:

The successful bidder(s) will be required to furnish evidence of insurance coverage in the following types and amounts by Certificates of Insurance before a contract is awarded.

	<u>Policy Type</u>	<u>Minimum Limits</u>
a)	Workman's Compensation	Statutory Limit
b)	Comprehensive General Liability *	\$500,000 per occurrence \$1,000,000 aggregate
c)	Commercial Business Auto Liability	
	Bodily Injury Liability	\$500,000 each person \$500,000 each occurrence
	Property Damage Liability	\$500,000 each occurrence
	Combined	\$1,000,000 each occurrence

* The contractor shall name the Saginaw County Road Commission as additional insured and certificate holder on the commercial general liability insurance using the following wording: *The Board of Saginaw County Road Commissioners, the Saginaw County Road Commission, and their officers, agents and employees, are named as additional insured parties.*

SPECIFICATIONS

INCREASED OR DECREASED QUANTITIES:

The Commission reserves the right to increase or decrease the mileage for each township from that originally estimated and such change shall be done at the unit price bid. The Commission further reserves the right to make the awards to different bidders for each individual township or to perform any or all of the proposed work with their own forces.

AGGREGATE SOURCE: Bidder will indicate his source of materials. **Natural aggregate and/or crushed limestone MUST meet 2012 Standard Specifications for Construction** with the following modification for 23A road gravel included:

SIEVE ANALYSIS TOTAL PERCENT PASSING

<u>Material</u>	<u>1"</u>	<u>3/8"</u>	<u>No. 8</u>	<u>Loss by Washing</u>
23A Modified	100	60-80	25-55	9-12

The Commission will not be responsible for delays caused by the aggregate producer's method of operation.

UNIT PRICES: Unit prices will be based on total cost for furnishing all material, labor and equipment for gravel resurfacing 1 mile of road at the rate of 1000 tons per mile substantiated by daily trip tickets.

BASIS OF PAYMENT: Payment will be made on the basis of the unit prices indicated on the successful bidder(s) proposal for the townships indicated upon satisfactory completion of the work. **Gravel shall be billed per ton on an itemized invoice using individual gravel ticket numbers and quantities.**

RETAINAGE: A retainage of 5% of a contractor's payment will be withheld to assure contract completion. All retainages withheld that are due a contractor shall be paid to that contractor upon satisfactory completion of his/her gravel resurfacing contract.

LIQUIDATED DAMAGES: If a contractor fails to complete the entire project on or before August 30, 2019, or on or before an approved and authorized extension of time, the contractor will be assessed a penalty of \$500 per day until the work is completed.

CONTRACT TERMINATION: The Saginaw County Road Commission may terminate a contract if a contractor fails to meet the mutually agreed upon Progress Schedule or the extended contract completion date if it is in the best interest of the public.

SPECIFICATIONS

MISCELLANEOUS:

1. The Contractor will use only those roads approved by the Commission for haul routes.
2. All loads to be weighed. Pits with no scales can only be used if the contractor has a loader equipped with scales capable of printing individual load weights. Said loads may be verified by the Road Commission at a certified scale location. Moisture content in material will be treated as per Michigan Department of Transportation Specifications. Trip tickets indicating the location the load is to be placed on each ticket, load count and tons for each truck will be furnished to the Commission at the end of each completed road segment.
3. The Commission will furnish a motor grader to prepare the roadway to receive the gravel. Prior to placing any gravel on the proposed roadway the contractor shall first receive approval from the Commission.
4. The gravel will be spread on the roadway by the contractor in a manner approved by the Commission. However, it is the sole responsibility of the contractor to avoid overhead utility lines or any other objects such as trees. Any claims for damage or injury along with associated costs, will be the responsibility of the contractor. The Commission will furnish a motor grader in order to give final shape to the gravel surface.
5. The Commission will furnish all necessary signs, barricades and traffic control devices to safeguard the traveling public.
6. Upon beginning of the work the contractor must continually pursue the work in an orderly fashion in an effort to complete it satisfactorily as soon as possible.
7. Trucking operations will not begin, or will temporarily cease, during periods of inclement weather when, in the opinion of the Commission, undue damage is being caused to the haul routes and/or the proposed roadway is too wet to receive the gravel resurfacing.
8. The contractor shall have sufficient equipment to haul to site at the rate of a minimum of 200 cyds. per hour, and 3 miles per 10 hour day. Contractor is to stay with allowable gross axle loading.
9. Haul time will be limited to 10 hours, unless prior approval from Road Commission.

The Saginaw County Road Commission may be working 4 -10 hour days during the summer months. During this time frame, consideration will be given to allow a hauling operation to continue through Friday afternoon if the contractor has requested prior approval to do so, and a minimum of 250 cyds. of material can be hauled per hour.

SPECIFICATIONS

10. AGGREGATE STOCK PILE AND TESTING:

Testing and sampling procedures will be conducted in accordance with the latest MDOT's current Procedures for Aggregate Inspection Manual. Gravel material shall be stockpiled and tested by the producer before a hauling operation begins. Test results at the pit will be submitted to the Road Commission prior to commencing work. Enough material shall be processed at the pit so as to allow for testing and loading from a finished stockpile. Finished stockpiles will contain a minimum of 3,000 tons. Loading "off the belt" will not be allowed. Independent assurance testing will be performed at the pit, or on the road, at the discretion of the Road Commission. Rejection of a stockpile or portion thereof will be based on the Road Commission's independent assurance test results. The Road Commission reserves the right to obtain "on-site" performance tests of any gravel before accepting it for resurfacing projects. MDOT standard specifications state that - only a negligible amount of organic material will be permitted. Therefore, all material sources must be stripped of topsoil and other organic or foreign materials.

11. **The gravel supplier is responsible to provide material meeting specifications. The Road Commission will be performing independent assurance tests on the gravel by a certified aggregate technician. If there is more than one failing test per Individual Township, the supplier will be charged \$300.00 to cover the cost of each additional failing test.**

12. AGGREGATE SPECIFICATION:

Processed Road Gravel MDOT Specification Grade 23A Modified or 22A (natural or limestone) aggregate will be used. Final determination will be made on a township by township basis by the Road Commission.

13. The Road Commission reserves the right to approve the source of material.

14. All resurfacing shall be completed before August 30, 2019.

15. A Progress Schedule shall be required to be submitted to the Road Commission one week prior to start of work - but no later than June 3, 2019, before contract award of any resurfacing project. The Progress Schedule shall include, as a minimum, the date gravel will be available, the proposed starting and proposed completion date for each township awarded.

BOARD OF COUNTY ROAD COMMISSIONERS
SAGINAW COUNTY, MICHIGAN
3020 SHERIDAN AVE.
SAGINAW MI 48601

PROPOSAL #27

For

2019 Season (April 1, 2019 through March 31, 2020)

for

REGULAR DRY PAVEMENT MARKING

Notice is hereby given that sealed bids for regular dry pavement marking, will be received and publicly opened at **10:00 a.m., Monday, March 11, 2019**, by the Board of County Road Commissioners, 3020 Sheridan, Saginaw, Michigan, furnishing materials as called for in the proposal. (For questions: Call Dan Medina, Director of Maintenance at 989-399-3773).

REGULAR DRY PAVEMENT MARKING

Bids must be sealed and delivered to the Board of County Road Commissioners, Saginaw County, Michigan.

ITEM No. 1 - Remove Existing Markings

	Unit Price
QUANTITY (ESTIMATED) 1000 SFT	\$

ITEM No. 2 - Regular Dry Pavement Marking (PAINT NEW SYMBOLS)

	Unit Price
QUANTITY (ESTIMATED) 1,000 SFT	\$

ITEM No. 3 - Regular Dry Pavement Marking (REPAINT EXISTING SYMBOLS)

	Unit Price
QUANTITY (ESTIMATED) 5260 SFT	\$

---See Next Page for Locations of Pavement Marking---

QUANTITY for "REGULAR-DRY PAVEMENT MARKING" is estimated as follows for various locations throughout Saginaw County.

Quantity	Unit	Description	Rate	SFT
600	LF	24" Stop Bar	2 sft/ft	1200
500	LF	Type I – Crosswalk	1 sft/ft	500
100	LF	Type II – Crosswalk	3 sft/ft	300
0	LF	Type III – Crosswalk	2 sft/ft	0
20	Each	"SCHOOL" Symbol	31 sft/ea.	620
40	Each	"ONLY" Symbol	22 sft/ea.	880
12	Each	"RR X-ING" Symbol	60.5 sft/ea.	726
10	Each	"THRU" Arrows	12.3 sft/ea.	123
40	Each	"TURN" Arrows	15.6 sft/ea.	624
10	Each	Comb "TURN/THRU" Arrows	28.7 sft/ea.	287

Bidder shall include specification of paint.

*** Beads shall be Saline coated to increase adhesion.**

Bidder agrees to furnish Certificate of Insurance with the Saginaw County Road Commission as a named insured, protecting it from acts of omission or commission by his employees.

In compliance with the above invitation for proposal and subject to all conditions thereof, the undersigned offers, and agrees if this bid be accepted within 30 days from the date of opening, to furnish any and all items at the price quoted opposite each item, F.O.B. as indicated.

BIDDER: _____

STREET: _____

CITY, STATE, and ZIP: _____

PHONE: _____

TERMS: **NET 30** **DATE:** _____

DELIVERY: _____

BY: _____

TITLE

In most locations the contractor will be repainting existing pavement symbols where little or no layout work will be necessary. In locations where symbols are being placed over new pavement or at a new location, the Contractor must consult with the Engineer as to the proper location of the new pavement markings prior to placement. All work shall be completed by October 1st. A 5% price deduction will be applied to work done after October 1st. This does not include following up a paving project that may be completed later.

NOTE: All symbols and letters shall be painted with stencils provided by the Saginaw County Road Commission. Freehand painting will not be accepted. Also, layout price will only be paid for any new symbol, not repainting.

SAGINAW COUNTY ROAD COMMISSION

SPECIAL PROVISION

FOR

PAVEMENT MARKING REMOVAL

DESCRIPTION

The work shall consist of removing existing paint, tape, thermoplastic or other type pavement markings at locations as directed by the Engineer.

The Engineer is responsible for all layouts of all markings scheduled to be removed.

CONSTRUCTION METHOD

Permanent pavement markings shall be removed to cause as little damage to the texture of the existing surface as possible by methods approved by the Engineer. Some of these methods include: sandblasting using air or water, high-pressure water, steam or superheated water, mechanical devices such as grinders, sanders, scrapers, scarifiers, and wire brushes, and solvents or chemicals.

Paints or bituminous bond coats shall not be used to cover over markings scheduled to be removed.

When blast cleaning is used for removing markings at or within 10' of a traveled lane, the Contractor shall remove the residue and dust immediately using a vacuum attachment operating concurrently with the blast-cleaning operation.

If the removals are completed when the roadway is open to traffic, the Traffic Control requirements outlined in the Special Provision for "Specifications for Traffic Control and Materials" shall apply.

MEASUREMENT AND PAYMENT

Removal of pavement markings shall be in square feet as shown in attached drawings for "Crosswalk Details" and "Word and Symbol Pavement Marking Details" for similar pavement markings removed.

Pavement Markings shall be removed **only** as directed by the **Engineer**. Any unauthorized removals shall not be paid for and may require replacement at the expense of the Contractor.

The completed work shall be paid for at the contract unit prices for the following contract items:

<u>PAY ITEM</u>	<u>PAY UNIT</u>
Remove Existing Markings	SFT

**SPECIFICATIONS
for
MATERIALS for TRAFFIC CONTROL**

DESCRIPTION

This work shall consist of furnishing and applying retro-reflectorized pavement markings at different locations in accordance with the Michigan Manual of Uniform Traffic Control Devices and as specified herein.

MATERIALS

Materials shall comply with all standards specified in the MDOT "Standard Specifications for Construction," 2003 Edition. Each paint shall be plainly marked, both on the head and side, with a durable, weather-resistant marking, showing the name and address of the manufacturer or vendor, description of the material, purchase order number, batch number, date of packaging, and volume and weight of contents.

MATERIAL SAFETY

The Contractor shall provide the Engineer with Material Safety Data Sheets for all materials and supplies used for the contract. The Contractor shall properly dispose of unused material and containers in accordance with the Federal Resource Conservation Recovery Act (RCRA) of 1976 and the Michigan Hazardous Waste Management Act (Act 69).

COORDINATION

The Contractor will be given a list of roads to be painted at the "Notice of Award."

The Contractor will meet with the Superintendent and the Engineer at least once a week to discuss additions or deletions to the painting program.

The Contractor will inform the Road Commission of the roads to be painted during the coming week so the maintenance work on these roads will be suspended during the time the Contractor is painting. The Contractor will be responsible for the removal of all debris on the pavement prior to painting. No payment will be made for roads painted in non-compliance of these restrictions.

GENERAL CONSTRUCTION METHODS

Prior to the application of pavement marking, the pavement surfaces shall be clear, dry, and free of foreign materials.

Pavement markings shall be applied uniformly to the surface and so that they adhere adequately, following manufacturer's recommendations.

Glass beads for retro-reflectorization shall be applied uniformly at the rate shown in table covering the surface of the marking material.

Applied markings shall be sharp and well defined and shall provide uniform retro-reflectivity. The markings shall be free of uneven edges, over spray, or other readily visible defects.

Improperly located markings shall be removed at the Contractor's expense and shall be reapplied in the correct locations at no cost to the Saginaw County Road Commission.

MEASUREMENT AND PAYMENT

The completed work as measured for PAVEMENT MARKINGS FOR TRAFFIC CONTROL will be paid for at the contract unit prices for the following contract items:

Regular-Dry Pavement Marking, New	per sqft.
Regular-Dry Pavement Marking, Repaint	per sqft.

Payment shall be full compensation for all materials, labor, and equipment necessary for placement of the pavement marking material.

Contractor shall cooperate with the Engineer by providing measurements whenever requested. The marking application rate shall be determined by dividing the total paint used by the appropriate marking area as determined by the Engineer. Any determination of pay deduction resulting from shortages in marking quantities shall be based on the measurements obtained by this method.

SAGINAW COUNTY ROAD COMMISSION

BID FORM

Sealed Proposals will be received at the office of the Board of Saginaw County Road Commissioners at 3020 Sheridan Avenue, Saginaw, Michigan, 48601, until:

MONDAY, MARCH 11, 2019, AT 10:00 A.M.

at which time and place proposals will be publicly opened and read for the furnishing of the following supplies, material and/or services for delivery at:

SAGINAW COUNTY ROAD COMMISSION
MAINTENANCE BUILDING
3110 SHERIDAN AVE.
SAGINAW, MI 48601

PER: *Dan Medina, Director of Maintenance*

Proposal No. 32 - Grass Seed

The **seeding** mixture shall be composed of certified seed of the purity, germination, and proportions by weight, as specified in the following table. All seed shall be of the type and brand name as specified, or an approved equal, with the same or greater resistance to the effects of road salt.

Type #1 Mixture

<u>SEED TYPE</u>	<u>PURITY</u>	<u>GERMINATION</u>	<u>MIXTURE</u>
Kentucky Bluegrass	98%	80%	15%
Perennial Ryegrass	96%	85%	20%
Hard Fescue	97%	85%	25%
Dawson Creeping Red Fescue	97%	85%	30%
Grande II Tall Fescue	98%	85%	10%

Type #2 Mixture

<u>SEED TYPE</u>	<u>PURITY</u>	<u>GERMINATION</u>	<u>MIXTURE</u>
Buccaneer PRG	95%	90%	34.86%
Creeping Red Fescue	95%	90%	33.00%
Kentucky Bluegrass	95%	90%	32.14%

Bid Period: April 1, 2019 – March 31, 2020

Estimated Quantities: Type #1 Mixture +/- 20,000 lbs orderd in 1,000 lbs increments
Type #2 Mixture +/- 500 lbs

Price to be firm for Bid Period.

<u>DESCRIPTION</u>	<u>UNIT</u>	<u>UNIT PRICE</u>
Type #1 Seed Mixture	Pounds	\$ _____
Type #2 Seed Mixture	Pounds	\$ _____

In compliance with the invitation for proposal shown on the previous page, and subject to all conditions thereof, the undersigned offers, and agrees if this bid be accepted, to furnish any and all items at the price quoted opposite each item.

BIDDER: _____

ADDRESS: _____

CITY, STATE, ZIP: _____

TERMS: Net 30 **DELIVERY:** _____

BY: _____ **TITLE:** _____

DATE: _____

PHONE: _____

**BY AGREEMENT OF BOTH PARTIES, THIS BID MAY BE EXTENDED FOR
ADDITIONAL ONE (1) YEAR PERIODS.**

SAGINAW COUNTY ROAD COMMISSION

BID FORM

Sealed Proposals will be received at the office of the Board of Saginaw County Road Commissioners at 3020 Sheridan Avenue, Saginaw, Michigan, 48601, until:

MONDAY, MARCH 11, 2019, AT 10:00 A.M.

at which time and place proposals will be publicly opened and read for the furnishing of the following supplies, material and/or services for delivery at:

SAGINAW COUNTY ROAD COMMISSION
MAINTENANCE BUILDING
3110 SHERIDAN AVE.
SAGINAW, MI 48601

PER: *Dan Medina, Director of Maintenance*

Proposal No. 33- Fertilizer

The **fertilizer** shall be MDOT Class A, will consist of equal parts of nitrogen, phosphoric acid, and potash and must be supplied in 50 pound bags.

This item may be supplied in either 12-0-12 or 19-0-19 varieties, bids will be awarded based on nutrient cost per pound not necessarily the per bag cost.

Bid Period: April 1, 2019 – March 31, 2020

Estimated Quantities: 30,000 lbs of 19-0-19 or equivalent ordered in 5,000 lbs increments

Price to be firm for Bid Period.

<u>DESCRIPTION</u>	<u>UNIT</u>	<u>UNIT PRICE</u>
19-0-19	Pounds	\$ _____
12-0-12	Pounds	\$ _____

In compliance with the invitation for proposal listed on the previous page, and subject to all conditions thereof, the undersigned offers, and agrees if this bid be accepted, to furnish any and all items at the price quoted opposite each item.

BIDDER: _____

ADDRESS: _____

CITY, STATE, ZIP: _____

TERMS: Net 30

DELIVERY: _____

BY: _____

TITLE: _____

DATE: _____

PHONE: _____

**BY AGREEMENT OF BOTH PARTIES, THIS BID MAY BE EXTENDED FOR
ADDITIONAL ONE (1) YEAR PERIODS.**

SAGINAW COUNTY ROAD COMMISSION

BID FORM

Sealed Proposals will be received at the office of the Board of Saginaw County Road Commissioners at 3020 Sheridan Avenue, Saginaw, Michigan, 48601, until:

MONDAY, MARCH 11, 2019 AT 10:00 A.M.

at which time and place proposals will be publicly opened and read for the furnishing of the following supplies, material and/or services for delivery at:

SAGINAW COUNTY ROAD COMMISSION
MAINTENANCE BUILDING
3110 SHERIDAN AVE.
SAGINAW, MI 48601

PER: *Dan Medina, Director of Maintenance*

Proposal No. 34 - Hydro-Mulch

The **mulch** material shall be an approved Recycled Newsprint or Wood Fiber Hydromulch from the MDOT Qualified Product List, and shall be delivered in 40 lb or 50 lb packages .

Bid Period: April 1, 2019 – March 31, 2020

Estimated Quantities: 75,000 lbs Ordered in 5,000 lbs increments
Price to be firm for Bid Period.

<u>DESCRIPTION</u>	<u>BRAND NAME</u>	<u>UNIT</u>	<u>UNIT PRICE</u>
Hydro-Mulch	_____	Pounds	\$ _____

In compliance with the invitation for proposal listed on the pervious page, and subject to all conditions thereof, the undersigned offers, and agrees if this bid be accepted, to furnish any and all items at the price quoted opposite each item.

BIDDER: _____

ADDRESS: _____

CITY, STATE, ZIP: _____

TERMS: Net 30

DELIVERY: _____

BY: _____

TITLE: _____

DATE: _____

PHONE: _____

**BY AGREEMENT OF BOTH PARTIES, THIS BID MAY BE EXTENDED FOR
ADDITIONAL ONE (1) YEAR PERIODS.**

BOARD OF COUNTY ROAD COMMISSIONERS
SAGINAW COUNTY, MICHIGAN
3020 SHERIDAN AVE.
SAGINAW MI 48601

PROPOSAL #35
For
2019 Season (April 1, 2019 to March 31, 2020)
For
RAISED THERMOPLASTIC RUMBLE STRIPS

Notice is hereby given that sealed bids for placement of *RAISED THERMOPLASTIC RUMBLE STRIPS*, will be received and publicly opened at **10:00 a.m., Monday, March 11, 2019** by the Board of County Road Commissioners, 3020 Sheridan, Saginaw, Michigan, furnishing materials as called for in the proposal.

RAISED THERMOPLASTIC RUMBLE STRIPS

Bids must be sealed and delivered to the Board of County Road Commissioners, Saginaw County, Michigan. (For questions: Call Dan Medina, Director of Maintenance at 989-399-3773.

Description: Furnish and install thermoplastic rumble strips in advance of a stop sign or other locations on bituminous roadways as directed by the Superintendent and/or the Director of Maintenance for the Saginaw County Road Commission. Perform all work in accordance with Section 811 of the Michigan Department of Transportation Standard Specifications for Construction as well as items contained within this document.

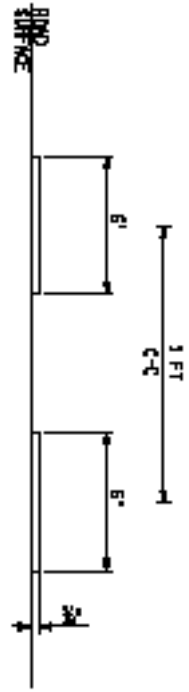
Materials: Select the thermoplastic from the Qualified Products List. Use glass beads as recommended by the thermoplastic manufacturer.

Construction:

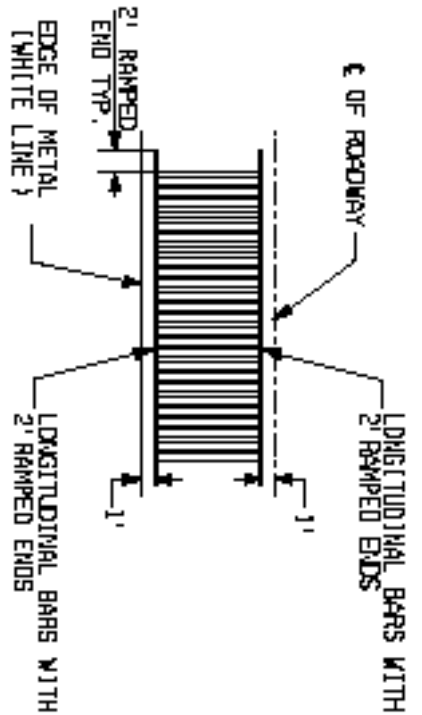
1. Clean the bituminous surface, making sure the pavement is dry and above 40 degrees Fahrenheit.
2. Apply the thermoplastic as shown on diagram within this document, entitled "Raised Thermoplastic Rumble Strips for Use on State Trunk lines".
3. Apply glass beads as recommended by the manufacturer of the thermoplastic.

Measurement and Payment. The length of each 6 inch by 3/8 inch strip will be summed to determine the total length for payment. (The bid price submitted shall include all materials, labor, equipment, and mobilization necessary to complete this item of work.)

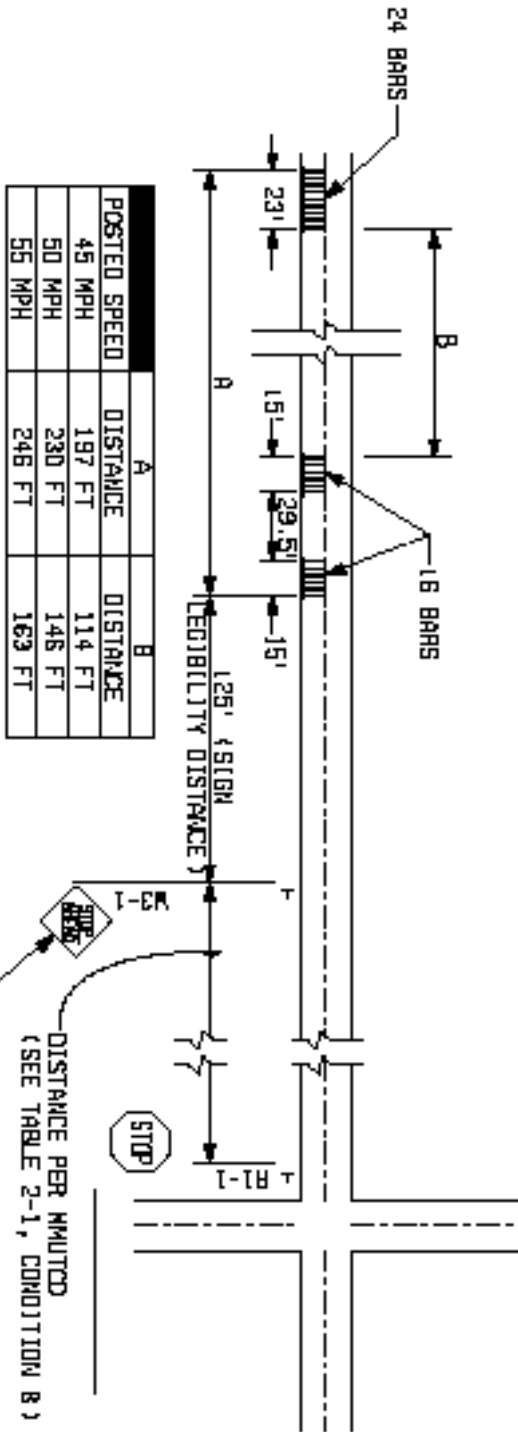
Contract Item (Pay Item)	Pay Unit Foot
Pavt. Mrkg, Thremopl, Rumble Strip.....	\$_____



PROFILE VIEW



PLAN VIEW



LOCATION

NOTE: THE DISTANCES GIVEN ARE MINIMUM VALUES.

RUMBLE STRIP LOCATION IS MEASURED BACK FROM THE EXISTING STOP AHEAD SIGN

DISTANCE PER MINUTED (SEE TABLE 2-1, CONDITION B)

RAISED THERMOPLASTIC RUMBLE STRIPS FOR USE ON STATE TRUNKLINES

SAGINAW COUNTY ROAD COMMISSION

BID FORM

Gentlemen / Ladies:

Sealed Proposals will be received at the office of the Board of Saginaw County Road Commissioners at 3020 Sheridan Avenue, Saginaw, Michigan, 48601, until

Monday, March 11, 2019 at 10:00 a.m.

At which time and place proposals will be publicly opened and read for the furnishing of the following supplies, material and/or services for delivery at

**F.O.B. Comm. Truck at loading point, F.O.B. Saginaw Stockpile--Sheridan Ave., F.O.B. Chesaning Garage, F.O.B. Hemlock Garage; F.O.B. Township
(Delivery between 7:00 am & 3:30 pm)**

PER *Dan Medina,*
Director of Maintenance

Proposal No. 36 – 23A & 22A Modified Natural Gravel

BID PERIOD: April 1, 2019 to March 31, 2020

PRICE: Firm for Bid Period & Exclusive of Tax

QUANTITY: AS NEEDED **LOADING POINT:** _____

<u>DESCRIPTION</u>	<u>UNIT</u>	<u>PRICE</u>
23A. F.O.B. Loading Point	TON	\$ _____
23A. F.O.B. Saginaw Garage (1000 ton-approx.)	TON	\$ _____
23A. F.O.B. Chesaning Garage (1000 ton-approx)	TON	\$ _____
23A. F.O.B. Hemlock Garage (1000 ton-approx.)	TON	\$ _____

The above material is to be hauled and tailgate spread in the following townships, exact location may vary within township.

23A. F.O.B. Albee Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Birch Run Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Blumfield Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Brady Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Brant Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Bridgeport Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Buena Vista Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Chapin Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Chesaning Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Frankenmuth Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Fremont Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. James Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Jonesfield Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Lakefield Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Maple Grove Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Marion Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Richland Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. St. Charles Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Spaulding Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Swan Creek Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Taymouth Twp. -- material & trucking	TON	\$ _____
23A. F.O.B. Thomas Twp. -- material & trucking	TON	\$ _____

22A. F.O.B. Albee Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Birch Run Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Blumfield Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Brady Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Brant Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Bridgeport Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Buena Vista Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Chapin Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Chesaning Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Frankenmuth Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Fremont Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. James Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Jonesfield Twp. -- material & trucking	TON	\$ _____
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22A. F.O.B. Maple Grove Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Marion Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Richland Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. St. Charles Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Spaulding Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Swan Creek Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Taymouth Twp. -- material & trucking	TON	\$ _____
22A. F.O.B. Thomas Twp. -- material & trucking	TON	\$ _____

In compliance with the above invitation for proposals, and subject to all conditions thereof, the undersigned offers, and agrees if this bid be accepted within 30 days from the date of opening, to furnish any and all items at the price quoted opposite each item, F.O.B. as indicated.

Start work _____ days after the contract is awarded.

The successful bidder will be required to provide an irrevocable letter of credit, certified check or cash in the amount of \$5,000 (on an open, solvent bank). If the awarded bidder cannot provide material meeting specifications as per road commission assurance tests, or perform the work in a timely manner, the irrevocable letter of credit or cash deposit will be drawn on in the amount required to pay another vendor for the material and/or hauling in excess of the bid price. Upon satisfactory completion of work as called for in said contract, the letter of credit balances and cash deposits will be released or refunded.

BIDDER: _____

ADDRESS: _____

CITY, STATE, and ZIP:

PHONE: _____

TERMS: Net 30 **DELIVERY:** _____

BY: _____ **TITLE:** _____

DATE: _____

Any questions please contact
Dan Medina, Director of Maintenance
at 989-399-3773

GENERAL INSTRUCTION TO BIDDERS

EXAMINATION OF SITE:

Bidders shall familiarize themselves with the site and roads over which materials will be hauled.

BID FORM:

Sealed proposals must be submitted on bid forms furnished by the Commission, in a sealed envelope marked "GRAVEL RESURFACING BIDS". All proposals must be filled out in ink or typewritten and shall be legally signed and the complete address of the bidder given thereon.

OPENING OF BIDS:

All bids received will be publicly opened and read at the designated time and place stated in the advertisement. All bidders are invited to be present.

REJECTION OF BIDS:

The Board reserves the right to accept or reject any or all bids, waive any irregularities and to accept the bid which, in their opinion, is in the best interest of the County of Saginaw.

INSURANCE REQUIREMENTS:

The successful bidder(s) will be required to furnish evidence of insurance coverage in the following types and amounts by Certificates of Insurance before a contract is awarded.

	<u>Policy Type</u>	<u>Minimum Limits</u>
a)	Workman's Compensation	Statutory Limit
b)	Comprehensive General Liability *	\$500,000 per occurrence \$1,000,000 aggregate
c)	Commercial Business Auto Liability	
	Bodily Injury Liability	\$500,000 each person \$500,000 each occurrence
	Property Damage Liability	\$500,000 each occurrence
	Combined	\$1,000,000 each occurrence

* The contractor shall name the Saginaw County Road Commission as additional insured and certificate holder on the commercial general liability insurance using the following wording: *The Board of Saginaw County Road Commissioners, the Saginaw County Road Commission, and their officers, agents and employees, are named as additional insured parties.*

SPECIFICATIONS

INCREASED OR DECREASED QUANTITIES:

The Commission reserves the right to increase or decrease the mileage for each township from that originally estimated and such change shall be done at the unit price bid. The Commission further reserves the right to make the awards to different bidders for each individual township or to perform any or all of the proposed work with their own forces.

AGGREGATE SOURCE: Bidder will indicate his source of materials. **Natural aggregate and/or crushed limestone MUST meet 2012 Standard Specifications for Construction** with the following modification for 23A road gravel included:

SIEVE ANALYSIS TOTAL PERCENT PASSING

<u>Material</u>	<u>1"</u>	<u>3/8"</u>	<u>No. 8</u>	<u>Loss by Washing</u>
23A Modified	100	60-80	25-55	9-12

The Commission will not be responsible for delays caused by the aggregate producer's method of operation.

UNIT PRICES: Unit prices will be based on total cost for furnishing all material, labor and equipment for gravel resurfacing 1 mile of road at the rate of 1500 tons per mile substantiated by daily trip tickets.

BASIS OF PAYMENT: Payment will be made on the basis of the unit prices indicated on the successful bidder(s) proposal for the townships indicated upon satisfactory completion of the work. **Gravel shall be billed per ton on an itemized invoice using individual gravel ticket numbers and quantities.**

RETAINAGE: A retainage of 5% of a contractor's payment will be withheld to assure contract completion. All retainages withheld that are due a contractor shall be paid to that contractor upon satisfactory completion of his/her gravel resurfacing contract.

LIQUIDATED DAMAGES: If a contractor fails to complete the entire project on or before August 30, 2019, or on or before an approved and authorized extension of time, the contractor will be assessed a penalty of \$500 per day until the work is completed.

CONTRACT TERMINATION: The Saginaw County Road Commission may terminate a contract if a contractor fails to meet the mutually agreed upon Progress Schedule or the extended contract completion date if it is in the best interest of the public.

SPECIFICATIONS

MISCELLANEOUS:

1. The Contractor will use only those roads approved by the Commission for haul routes.
2. All loads to be weighed. Pits with no scales can only be used if the contractor has a loader equipped with scales capable of printing individual load weights. Said loads may be verified by the Road Commission at a certified scale location. Moisture content in material will be treated as per Michigan Department of Transportation Specifications. Trip tickets indicating the location the load is to be placed on each ticket, load count and tons for each truck will be furnished to the Commission at the end of each completed road segment.
3. The Commission will furnish a motor grader to prepare the roadway to receive the gravel. Prior to placing any gravel on the proposed roadway the contractor shall first receive approval from the Commission.
4. The gravel will be spread on the roadway by the contractor in a manner approved by the Commission. However, it is the sole responsibility of the contractor to avoid overhead utility lines or any other objects such as trees. Any claims for damage or injury along with associated costs, will be the responsibility of the contractor. The Commission will furnish a motor grader in order to give final shape to the gravel surface.
5. The Commission will furnish all necessary signs, barricades and traffic control devices to safeguard the traveling public.
6. Upon beginning of the work the contractor must continually pursue the work in an orderly fashion in an effort to complete it satisfactorily as soon as possible.
7. Trucking operations will not begin, or will temporarily cease, during periods of inclement weather when, in the opinion of the Commission, undue damage is being caused to the haul routes and/or the proposed roadway is too wet to receive the gravel resurfacing.
8. The contractor shall have sufficient equipment to haul to site at the rate of a minimum of 200 cyds. per hour, and 3 miles per 10 hour day. Contractor is to stay with allowable gross axle loading.
9. Haul time will be limited to 10 hours, unless prior approval from Road Commission.

The Saginaw County Road Commission may be working 4 -10 hour days during the summer months. During this time frame, consideration will be given to allow a hauling operation to continue through Friday afternoon if the contractor has requested prior approval to do so, and a minimum of 250 cyds. of material can be hauled per hour.

SPECIFICATIONS

10. AGGREGATE STOCK PILE AND TESTING:

Testing and sampling procedures will be conducted in accordance with the latest MDOT's current Procedures for Aggregate Inspection Manual. Gravel material shall be stockpiled and tested by the producer before a hauling operation begins. Test results at the pit will be submitted to the Road Commission prior to commencing work. Enough material shall be processed at the pit so as to allow for testing and loading from a finished stockpile. Finished stockpiles will contain a minimum of 3,000 tons. Loading "off the belt" will not be allowed. Independent assurance testing will be performed at the pit, or on the road, at the discretion of the Road Commission. Rejection of a stockpile or portion thereof will be based on the Road Commission's independent assurance test results. The Road Commission reserves the right to obtain "on-site" performance tests of any gravel before accepting it for resurfacing projects. MDOT standard specifications state that - only a negligible amount of organic material will be permitted. Therefore, all material sources must be stripped of topsoil and other organic or foreign materials.

11. **The gravel supplier is responsible to provide material meeting specifications. The Road Commission will be performing independent assurance tests on the gravel by a certified aggregate technician. If there is more than one failing test per Individual Township, the supplier will be charged \$300.00 to cover the cost of each additional failing test.**

12. AGGREGATE SPECIFICATION:

Processed Road Gravel MDOT Specification Grade 23A Modified or 22A (natural or limestone) aggregate will be used. Final determination will be made on a township by township basis by the Road Commission.

13. The Road Commission reserves the right to approve the source of material.

14. All resurfacing shall be completed before August 30, 2019.

15. A Progress Schedule shall be required to be submitted to the Road Commission one week prior to start of work - but no later than June 3, 2019, before contract award of any resurfacing project. The Progress Schedule shall include, as a minimum, the date gravel will be available, the proposed starting and proposed completion date for each township awarded.