



**Eaton County
Road
Commission**

April 29, 2016

Dorothy E. Maxwell
Chair

NOTICE TO BIDDERS

Duane A. Eldred
Vice Chair

Sealed proposals will be received by the Board of County Road Commissioners of the County of Eaton, Michigan at 1112 Reynolds Road, Charlotte, MI 48813, until 6:30 P.M., May 24, 2016 at which time and place proposals will be publicly opened and read aloud for furnishing and delivering the following:

Timothy J Lamoreaux
Member

HMA RESURFACING

Benjamin S. Lyons
Member

CONTRACT C – HMA 13A, Approximately 8,350 Tons along with monument adjustments, temporary pavement marking and gravel shoulders at various locations in Eaton County, Michigan.

Darrell R. Tennis
Member

CONTRACT D – HMA 13A, Approximately 13,410 Tons along with monument adjustments, temporary pavement marking and gravel shoulders at various locations in Eaton County, Michigan.

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

Bidders can submit a bid for one or both contracts. The Eaton County Road Commissioners will consider award of the contracts after review by staff.

Lori N. Friedlis, CPA
Director of Finance

Further information may be obtained at the offices of the undersigned, 1112 Reynolds Road, Charlotte, MI, 48813, Telephone (517) 543-1630 or (877) 883-2866. Plans, specifications, and bid blanks are available at our office.

1112 Reynolds Road
Charlotte, MI 48813

All proposals must be submitted in sealed envelopes bearing the name of the bidder and clearly marked with a notation indicating the project on which the bid is submitted. **All bids must be submitted on the enclosed Bid Blank.**

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

The Board reserves the right to accept or reject any or all bids, award both contracts to one bidder or each contract to separate bidders, to waive irregularities in any proposal, and to make the award in any manner deemed in the best interest of the County of Eaton.

Fax
517-543-2608

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

Email
ecrc@eatoncountyroa.com

Dorothy E. Maxwell, Chair
Duane A. Eldred, Vice Chair
Timothy L. Lamoreaux, Member
Benjamin S. Lyons, Member
Darrell R. Tennis, Member

EATON COUNTY ROAD COMMISSION

SPECIFICATIONS
FOR
HMA SURFACING PROGRAM

ECRC

1 of 4

04/29/16

- A. All work included in the 2016 HMA Surfacing Program shall follow the 2012 Michigan Department of Transportation Standard Specifications for Construction, except as modified herein.
- B. Prepare the existing asphalt surface in accordance with section 501.03.C of the Standard Specifications. Joint cleanout will not be required. The contractor shall provide the Road Commission one week's notice prior to beginning pavement cleaning to provide for blading the shoulder or berm. Material left on the existing pavement resulting from the blading operations shall be removed as part of pavement cleaning. Payment for pavement cleaning shall be included in the unit price bid for HMA work items and will not be paid for separately.
- C. Place the bond coat in accordance with section 501.03.D of the Standard Specifications. Payment for the bond coat shall be included in the unit price bid for HMA work items and will not be paid for separately.
- D. Cold Milling HMA Surface shall be in accordance with section 501.03.C.5 of the Standard Specifications. Cold Milling HMA Surface includes edge milling or milling the entire road surface. The quantities and project locations where cold milling is indicated on the Bid Blank Summary are estimates only and will be paid based on final measurements. Any deletion or addition of project locations, or increases or decreases in milling quantities, will not change the unit prices bid. Cold milling will be paid by the square yard as COLD MILLING HMA SURFACE - SYD.

Specified locations will be cold milled and the material salvaged and hauled to the Eaton County Road Commission garage closest to the milling operation. Refer to the COLD MILLING HMA SURFACE – SPECIAL special provision in the proposal.

Butt joints shall be milled wherever new HMA will abut adjacent pavement to remain. Payment of butt joints shall be included in the unit price bid for HMA work items and will not be paid for separately.

Edge milling will be used to remove the existing HMA surface at the curb line to a depth adequate to place the new surfacing flush with the curb edge at the yield shown on the bid blank. Where edge milling is indicated, the existing HMA surface shall be milled to a maximum width of 7 feet from the curb edge.

Where the entire road width is milled, the pavement shall be milled using automatic controls at 2% cross slope. The depth at the existing curb edge shall be as necessary to match the proposed yield. Where the milled depth creates a drop of 3" or greater, the contractor shall immediately place temporary ramps at all drives and butt joints and remove them immediately prior to surfacing. Payment for temporary ramps shall be included in the unit price bid for COLD MILLING HMA SURFACE - SYD or COLD MILLING HMA SURFACE, SPECIAL – SYD and will not be paid for separately. The contractor should expect to be milling into the subsurface on entire roads and on portions of some roads to obtain the specified cross section. Payment for milling subsurface material will be included in the payment for COLD MILLING HMA SURFACE – SYD.

- E. Adjust drainage structure covers, water valve boxes, and monument boxes in accordance with section 403.03 of the Standard Specifications. Quantities shown on the bid blank are estimates and payment will be for the actual number of covers adjusted.

Adjusting manhole covers, catch basin covers, and water valve manhole covers will be paid for as DR. STRUCTURE COVER, ADJ. - EACH. Monument box adjustments will be paid for as MONUMENT BOX ADJUST - EACH. Water valve boxes will be paid for as WATER SHUTOFF, ADJ. - EACH. Temporary lowering and/or protection of existing drainage structure covers for cold milling operations will be required, and shall be included in the unit price bid for COLD MILLING HMA SURFACE - SYD. Covers and boxes that do not require adjustment, but which require removal of the existing HMA surface (hand chipping) prior to surfacing will be paid for at 50% of the bid price for the respective adjust work item.

Drainage structure covers shall be adjusted with concrete blocks, bricks or concrete adjusting rings supported on a full bed of mortar. The exterior of all adjusted drainage structure covers shall be wrapped with non-woven geotextile fabric. Monument boxes shall be raised to the required elevation. Water valve boxes shall be adjusted by turning casting up to the required elevation.

Metal riser rings will not be allowed to adjust drainage structure covers, monument boxes, or valve boxes.

- F. Drainage structure reconstruction will be necessary on those projects designated on the bid blank or as determined by the Engineer and shall meet the requirements of section 403.03 of the Standard Specifications. Where the Engineer determines the existing masonry is deteriorated and must be reconstructed, the drainage structure shall be reconstructed. The drainage structure shall be reconstructed using new concrete blocks, bricks, or concrete adjusting rings supported on a full bed of mortar. The outside of the drainage structure shall be wrapped with non-woven geotextile fabric. All work, materials, and equipment necessary to perform drainage structure reconstruction will be paid as DRAINAGE STRUCTURE RECONSTRUCT - FT. Curb that must be removed and replaced to facilitate the pay item Drainage Structure Reconstruct will be paid for as CURB RECONSTRUCT - LFT.

- G. New curb and gutter will be required on those projects designated on the bid blank or as determined by the Engineer and shall be in accordance with section 802 of the Standard Specifications.

Where there is existing curb and gutter to be replaced, the existing curb and gutter shall be removed and replaced with curb and gutter of the same cross section. Work required will be removing the existing curb and gutter; excavating to prepare the grade; placing, grading, and compacting aggregate base for the new curb and gutter; constructing the curb and gutter; hand patching; and restoration. Work will be paid as Curb, Reconstruct, LFT.

Where there is no existing curb and gutter, the grade will be excavated; aggregate base placed, graded, and compacted for the new curb and gutter and new HMA between the new curb and existing pavement; new curb and gutter constructed; and restoration. Refer to the Proposed Intersection Curb Construction detail.

- H. All work, labor, materials, and equipment for placing new curb and gutter where there is no curb and gutter will be paid for as Curb, Conc, Det B2 – Special. Payment for Curb, Conc, Det B2 - Special will be payment in full for excavating, placing new aggregate base, placing new curb and gutter, backfill and slope restoration.

- I. HMA placed between the new curb and gutter and existing pavement will be paid for as HMA, 13A. HMA APPLICATION RATES will be as shown on the bid blank summary.

All HMA (HMA mixtures) shall meet the requirements of the 2012 MDOT Standard Specifications for Construction, the attached Special Provisions, and as specified herein.

The final asphalt binder grade shall meet or exceed PG 58-28.

The HMA mix shall be designed at 4.00% air voids and field regressed to 3.5% air voids during production.

Prior to the start of production of any mixture, the contractor shall provide an MDOT approved mix design for any mix to be used and shall provide manufacturer certifications for all asphalt cement used on the project. All materials used shall be as specified in the MDOT Material Source Guide.

Wedging of uneven areas of the existing pavement prior to placing the surface course will be required as designated on the project summary. Wedging will be paid for at the unit price bid for HMA and will not be paid for separately. Bidders shall note that projects with wedging will include variable thicknesses placed in one pass. The bidders should expect the screed of the paver to be dragging stones during wedging operations. Application rates for wedging will not be increased to eliminate this condition. The maximum application rate for one pass is 250 lbs per square yard.

- J. Aggregate shoulder construction shall be in accordance with section 307 of the Standard Specifications. Aggregate shoulder material shall meet MDOT Specification 23A. Aggregate shoulder construction will be required in rural and urban areas where there is no curb and gutter, as designated on the project summary. Aggregate shoulders shall be placed no wider than 2 feet unless otherwise directed by the Engineer. Compaction shall be performed using a rubber tired roller. Any spillage or surplus material shall be removed and the area shall be left with a clean-neat appearance. Additional aggregate shall be placed and compacted in gravel driveways as needed to build proper approaches and will be paid for at the unit price for SHOULDER, CL II – TON and will not be paid for separately.

The Eaton County Road Commission will test gravel furnished by the Contractor, and will reject gravel that does not meet the specifications.

The HMA pay items on each individual project will not be paid for until the aggregate shoulders for that project have been completed. Shoulder gravel will be paid for as SHOULDER, CL II - TON.

- K. Slope restoration shall be done in accordance with section 816 of the Standard Specifications. Slope restoration will be necessary in rural and subdivision areas that do not have curb and gutter, where directed by the Engineer. Topsoil shall be visually inspected and approved by the Engineer. Seed mixture shall be TGM. Seed shall be sowed into topsoil. Straw mulch and mulch anchoring shall be placed on the finished, seeded grade. Mulch blanket is an acceptable alternative for mulch and mulch anchoring. All labor, equipment, topsoil, seed, fertilizer, mulch, mulch anchoring, and mulch blankets will be paid for at the unit price bid for Slope Restoration and will not be paid for separately. Slope restoration will be paid for as SLOPE RESTORATION – SYD.
- L. TRAFFIC CONTROL - Supply, install, and maintain the proper signs and the necessary traffic regulators per the MMUTCD, MDOT Maintaining Traffic Typicals, and as directed by the Engineer. No road closures will be allowed during paving operations and traffic regulators will be required to perform the work. On projects that include shoulder gravel or slope restoration, this requirement includes the furnishing, installation, maintenance, moving, and removal of low shoulder and all other

signs and/or barricades needed to maintain traffic safety until the shoulders are placed and the project completed. Payment for traffic control shall be included in the bid prices for the other contract pay items and will not be paid for separately.

- M. Proof of ADEQUATE INSURANCE COVERAGE by the successful bidder will be required as part of this contract. The successful Bidder shall furnish proof of Workers Compensation Insurance and a separate Liability Insurance Policy in favor of the Road Commission naming the Road Commission, its Commissioners, and Employees as an additional named insured, in the amount of \$1,000,000.

The successful Bidder will be required to provide a PERFORMANCE BOND in the amount of 50% of the total contract amount and a LIEN BOND in the amount of 50% of the total contract amount prior to award.

- N. PAY ESTIMATES will be prepared twice monthly by the Engineer for the work completed on the project. Payment of 95% of such estimates will be made upon approval by the Road Commission. Final Payment will be made on an Approved Final Estimate after acceptance of the completed work by the Road Commission.

- O. **Schedule:** The completion date for all work in this contract is September 23 , 2016.

The Board reserves the right to cancel any of the individual projects and/or cancel either of the Contracts in its entirety. The Board reserves the right to add other similar projects to the contract. Any such cancellations or additions shall not change the unit prices bid and all unit prices bid shall remain firm through December 1, 2016.

EATON COUNTY ROAD COMMISSION
SPECIAL PROVISION
FOR
COLD MILLING HMA SURFACE, SPECIAL

ECRC

1 of 1

05/07/15

a. Description. All work, materials, and labor necessary to perform Cold Milling HMA Surface, Special shall be in accordance with pay item Cold Milling, HMA Surface from Section 501 of the 2012 MDOT Standard Specifications for Construction, and as modified herein.

The projects where indicated on the Bid Blank Summary shall be removed by Cold Milling HMA Surface, Special, unless otherwise directed by the Engineer.

b. Construction Methods. The contractor shall use suitable equipment, methods, and procedures to produce a milled material with a maximum top size aggregate of 1.5 inches. All work, equipment, methods, and procedures necessary to produce a milled material with a maximum top size of 1.5 inches shall be included in the pay item of Cold Milling HMA Surface, Special and will not be paid for separately. This shall include but not be limited to multiple passes of the cold milling machine if necessary and slowing of the cold milling machine.

The work of Cold Milling HMA Surface, Special shall consist of cold milling the HMA surface to the maximum size aggregate as specified, salvaging, hauling, and delivering the millings at the Road Commission garage nearest to the work.

c. Measurement and Payment. The completed work, as described, will be measured and paid for at the contract unit price using the pay items below:

<u>PAY ITEM</u>	<u>PAY UNIT</u>
Cold Milling HMA Surface, Special	Square Yard

EATON COUNTY ROAD COMMISSION

SPECIAL PROVISION
FOR
SAMPLING ASPHALT BINDER

ECRC:MMH

1 of 1

05-08-15

Original samples of asphalt binder shall be taken by the Contractor and delivered to the Engineer prior to incorporation into the mixture. The Contractor shall allow the Engineer access to witness the sampling. The frequency of sampling shall be each day material is placed as part of this contract unless otherwise determined by the Engineer. The cost of obtaining and delivering the samples to the Engineer will be included in the hot mix asphalt (HMA) pay items.

The Contractor must certify in writing that the materials used in the HMA mixture are from the same source as the materials used in developing the HMA mixture design and the bond coat is from an approved supplier as stated in MDOT's Material Quality Assurance Procedures Manual.

**EATON COUNTY ROAD COMMISSION
CHARLOTTE, MICHIGAN
2016 HMA SURFACING PROPOSAL**

CONTRACT C

**To: Board of Eaton County Road Commissioners
1112 Reynolds Road
Charlotte, Michigan 48813**

The undersigned has examined the Plans, Specifications, and the Location of the work described herein and is fully informed as to the nature of the work and the conditions relating to its performance, and understands that the quantities shown are approximate only and are subject to either Increase or Decrease.

The undersigned hereby proposes to furnish all necessary equipment, tools, apparatus, and other means of construction; do all the work and furnish all the materials; and, for the unit prices named in the itemized bid, complete the work herein described, in strict accordance with the plans thereof, and in strict conformity with the requirements of the 2012 Michigan Department of Transportation Standard Specifications for Construction and such other special provisions and supplemental specifications included as part of this proposal.

The undersigned further proposes to do such extra work as may be authorized by the Eaton County Road Commission, prices for which are not included in the itemized bid. Compensation shall be made on the basis agreed upon prior to commencing with extra work.

The undersigned encloses a certified or cashiers check on an open solvent bank, in the amount of \$25,000, payable to the Eaton County Road Commission as a guarantee of good faith. If the undersigned is the successful bidder and fails to enter into a contract to furnish satisfactory bonds to the Eaton County Road Commission within 15 days after being furnished with the necessary contract and bond forms, the Bid Deposit will be forfeited to the Eaton County Road Commission as liquidated damages. It is understood that the Bid Deposit of the successful bidder will not be returned until the contract has been executed and that the proposal guarantees of all other bidders will be returned promptly.

Company Name _____

Address _____

Phone # _____

Fax # _____

Signed by _____

Date _____

EATON COUNTY ROAD COMMISSION

**2016 HMA SURFACING
BID BLANK**

CONTRACT C

ITEM OF WORK	QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
HMA, 13A	8,350	TON	\$ _____	\$ _____
Monument Box Adjust	4	EACH	\$ _____	\$ _____
Pavt Mrkg, Type NR, 4 inch, Temp.	1,570	LFT	\$ _____	\$ _____
Slope Restoration	2,000	SYD	\$ _____	_____
Shoulder, CI II	2,490	TON	\$ _____	\$ _____
TOTAL BID CONTRACT C				\$ _____

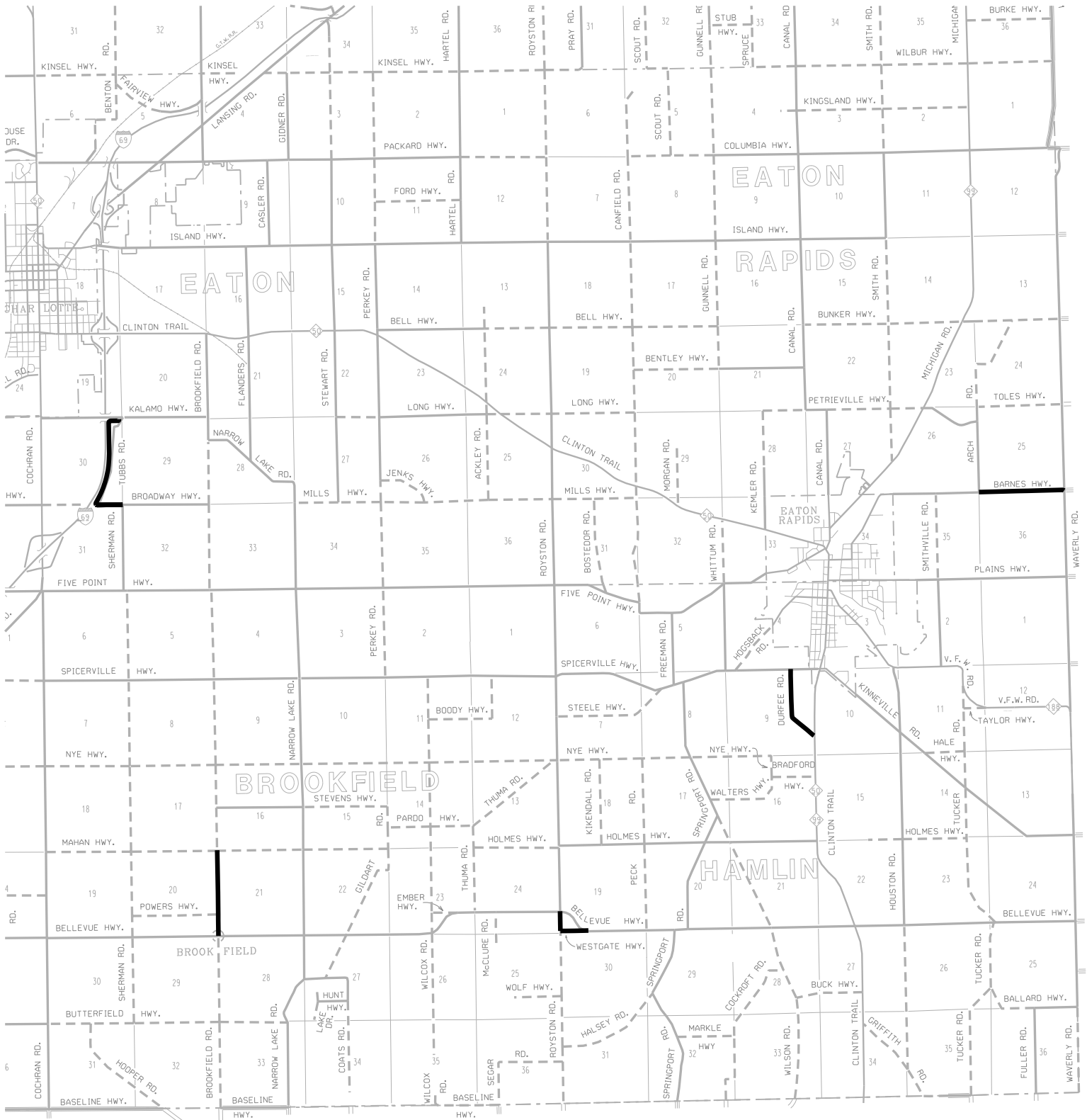
The undersigned agrees that the quantities provided on the Contract A Bid Blank are estimates. Actual quantities paid will be based on final field measurements. The Eaton County Road Commission reserves the right to increase or decrease quantities, or add or eliminate entire projects from the contract. No unit price changes will be allowed as a result of increased or decreased quantities, or for added or eliminated projects.

Company Name _____ Date _____
Address _____ Phone # _____
_____ Fax # _____
Signed by _____

2016 PROPOSED HMA PAVING PROJECTS

CONTRACT C

REVISION DATE: 04-08-2016



**EATON COUNTY ROAD COMMISSION
CHARLOTTE, MICHIGAN
2016 HMA SURFACING PROPOSAL**

CONTRACT D

**To: Board of Eaton County Road Commissioners
1112 Reynolds Road
Charlotte, Michigan 48813**

The undersigned has examined the Plans, Specifications, and the Location of the work described herein and is fully informed as to the nature of the work and the conditions relating to its performance, and understands that the quantities shown are approximate only and are subject to either Increase or Decrease.

The undersigned hereby proposes to furnish all necessary equipment, tools, apparatus, and other means of construction; do all the work and furnish all the materials; and, for the unit prices named in the itemized bid, complete the work herein described, in strict accordance with the plans thereof, and in strict conformity with the requirements of the 2012 Michigan Department of Transportation Standard Specifications for Construction and such other special provisions and supplemental specifications included as part of this proposal.

The undersigned further proposes to do such extra work as may be authorized by the Eaton County Road Commission, prices for which are not included in the itemized bid. Compensation shall be made on the basis agreed upon prior to commencing with extra work.

The undersigned encloses a certified or cashiers check on an open solvent bank, in the amount of \$25,000, payable to the Eaton County Road Commission as a guarantee of good faith. If the undersigned is the successful bidder and fails to enter into a contract to furnish satisfactory bonds to the Eaton County Road Commission within 15 days after being furnished with the necessary contract and bond forms, the Bid Deposit will be forfeited to the Eaton County Road Commission as liquidated damages. It is understood that the Bid Deposit of the successful bidder will not be returned until the contract has been executed and that the proposal guarantees of all other bidders will be returned promptly.

Company Name _____

Address _____

Phone # _____

Fax # _____

Signed by _____

Date _____

EATON COUNTY ROAD COMMISSION

2016 HMA SURFACING BID BLANK

CONTRACT D

ITEM OF WORK	QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
HMA 13A	13,410	TON	\$ _____	\$ _____
Dr. Structure Cover, Adj.	185	EACH	\$ _____	\$ _____
Dr. Structure Reconstruct	17	EACH	\$ _____	\$ _____
Water shutoff, Adj.	1	EACH	\$ _____	\$ _____
Cold Milling HMA Surface	65,877	SYD	\$ _____	\$ _____
Cold Milling HMA Surface, Special	20,000	SYD	\$ _____	\$ _____
Curb Reconstruct	325	FT	\$ _____	\$ _____
Shoulder, CI II	40	TON	\$ _____	\$ _____
Slope Restoration	200	SYD	\$ _____	\$ _____
TOTAL BID CONTRACT D				\$ _____

The undersigned agrees that the quantities provided on the Contract B Bid Blank are estimates. Actual quantities paid will be based on final field measurements. The Eaton County Road Commission reserves the right to increase or decrease quantities, or add or eliminate entire projects from the contract. No unit price changes will be allowed as a result of increased or decreased quantities, or for added or eliminated projects.

Company Name _____ Date _____

Address _____ Phone # _____

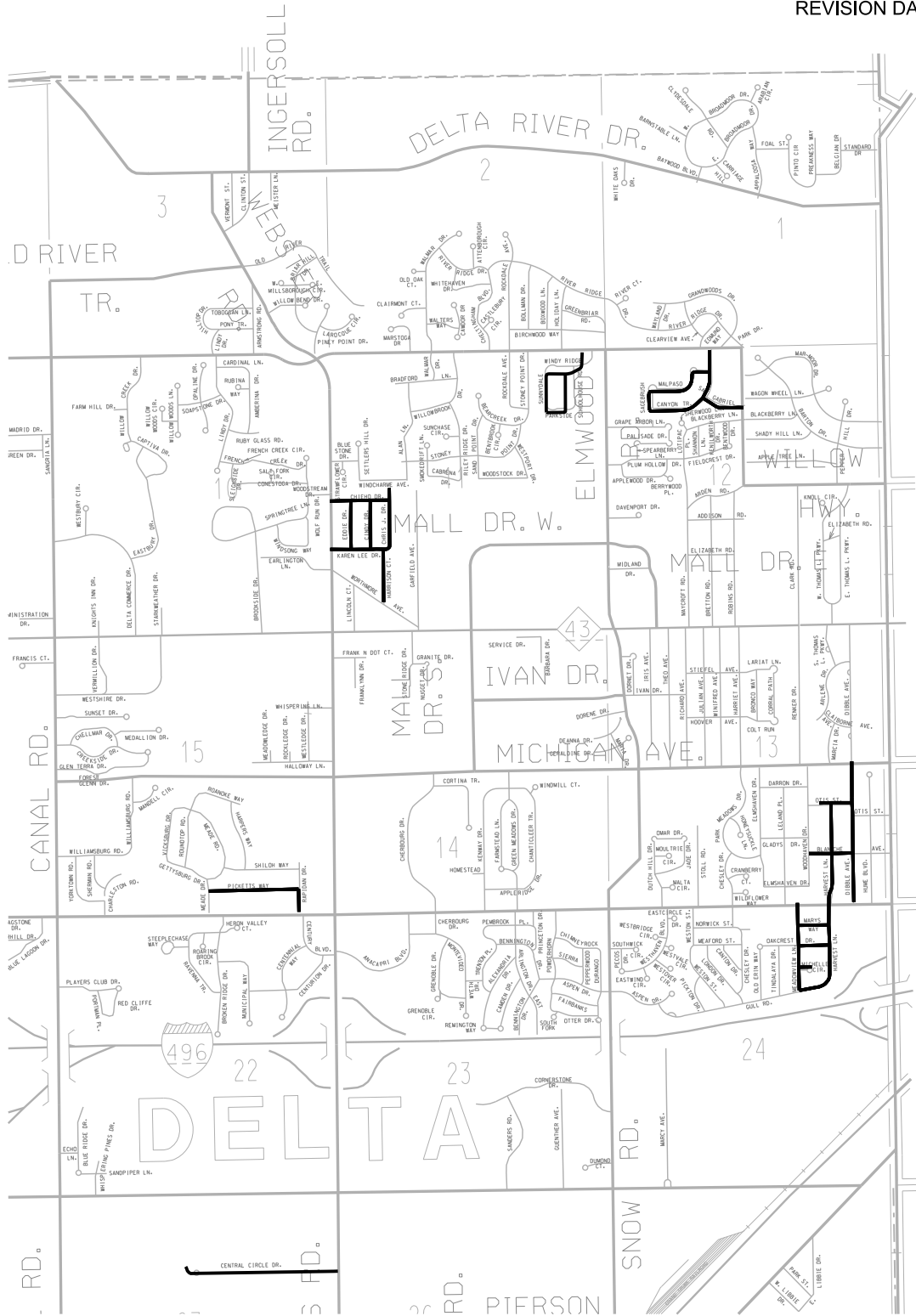
_____ Fax # _____

Signed by _____

2016 PROPOSED HMA PAVING PROJECTS

CONTRACT D

REVISION DATE: 04-08-2016



EATON COUNTY ROAD COMMISSION

2016 HMA SURFACING PROGRAM
 BID BLANK SUMMARY

04/29/2016

ROAD	FROM TO	LENGTH	WIDTH	HMA APPLICATION RATE	HMA OVERLAY	HMA WEDGING	TOTAL HMA, 13A	GRADING	COLD MILLING HMA SURFACE	COLD MILLING HMA SURFACE, SPECIAL	PAVT MRKG, TYPE NR, 4 INCH, TEMP	MONUMENT BOX ADJUST	CURB RECONSTRUCT	DRAINAGE STRUCT. ADJUST	DRAIN STRUCT RECONSTRUCT	WATER VALVE ADJUST	SLOPE RESTORATION	SHOULDER, CL II
				#/SYD	TON	TON	TON	STA	SYD	SYD	FT	EACH	FT	EACH	EACH	EACH	SYD	TON
CONTRACT C																		
Broadway/Tubbs	Sherman to Kalamo	7585	22	220	2,040	25	2,065				455							830
Barnes	Arch to Waverly	5325	23	220	1,500	450	1,950				320	2						780
Brookfield	Twp Hall to Mahan	5504	22	220	1,480	175	1,655				330	1						610
Durfee	M99 to Spicerville	4780	27	220	1,580	220	1,800				287						2000	50
Royston	Bellevue to Westgate	1300	20	220	320	100	420				78	1						100
Westgate	Royston to Bellevue	1670	20	220	410	50	460				100							120
				TOTALS	7,330	1,020	8,350				1,570	4					2,000	2,490

CONTRACT D

Blanch	Woodhaven to Dibble	790	27	220	260		260		2,370						1			
Canyon Trail	Sage Brush to Willow	2055	27	220	680		680			660				10				
Central Circle	Creyts to End	2921	33	440	2,680		2,680		12,150			80		4				
Chieho	Creyts to Chris J	1120	28	220	380		380							8	1			
Chris J	Karen Lee to End	1140	29	220	400		400							5				
Cindy	Karen Lee to Chieho	910	29	220	320		320							4	1			
Dibble	St. Joe to Michigan	2640	27	220	870		870		6,000			20	13	3		500	40	
Eddie	Karen Lee to Chieho	900	29	220	320		320		2,250					4				
Empire Way	Davis to Westland	2240	33	220	900		900		8,213					22				
Gull	Meadow View to Harvest	560	27	220	180		180		1,680					3				
Harrison Court	Worthmore to Karen Lee	1000	29	220	350	50	400							8				
Harvest Lane	St. Joe to Gull	1540	27	220	510		510		4,620					8				

EATON COUNTY ROAD COMMISSION

2016 HMA SURFACING PROGRAM
 BID BLANK SUMMARY

04/29/2016

ROAD	FROM TO	LENGTH	WIDTH	HMA APPLICATION RATE	HMA OVERLAY	HMA WEDGING	TOTAL HMA, 13A	GRADING	COLD MILLING HMA SURFACE	COLD MILLING HMA SURFACE, SPECIAL	PAVT MRKG, TYPE NR, 4 INCH, TEMP	MONUMENT BOX ADJUST	CURB RECONSTRUCT	DRAINAGE STRUCT. ADJUST	DRAIN STRUCT RECONSTRUCT	WATER VALVE ADJUST	SLOPE RESTORATION	SHOULDER, CL II
				#/SYD	TON	TON	TON	STA	SYD	SYD	FT	EACH	FT	EACH	EACH	EACH	SYD	TON
Harvest Lane	St. Joe to Otis	1880	27	220	620		620		5,640					65	6	3		
Karen Lee	Creyts to Chris J	1100	29	220	390	25	415		1,725						6			
Malpaso	Sage Brush to Canyon Tr	1490	27	220	490		540			4,830			20	10	1			
Marys Way	Meadow View to Harvest	570	27	220	190		190		1,710						2			
Meadowview	St. Joe to Gull	1660	27	220	550		550		4,980						13			
Michelle Cir	Meadowview to end	250	27	220	165		165		1,550						1			
Oakcrest	Meadow View to Harvest	575	27	220	190		190		1,725						2			
Otis	300' E. of Woodhaven to Dibb	550	27	220	180		180		1,650				20			1		
Parkside	Sunnydale to School House	450	27	220	200		200			1,800					4			
Sage Brush	Canyon Tr to Willow	425	27	220	140		190			1,640					4			
San Gabriel	Canyon Trail to Willow	815	27	220	430		430			4,040					4			
School House	Parkside to Windy Ridge	760	27	220	250		250			660			40	4	2			
Sunnydale	Parkside to Windy Ridge	835	27	220	330		330			2,950					6			
Westland Way	Empire to Creyts	2622	33	220	1,060		1,060		9,614				70	21		1		
Windy Ridge	Sunnydale to Willow	990	27	220	200		200			3,420			10	16	1			
				TOTALS	13,235	75	13,410		65,877	20,000			325	185	17	1	500	40