



Eaton County Road Commission

July 13, 2020

Benjamin S. Lyons
Chair

Timothy J. Lamoreaux
Vice Chair

Lauren K. Aitch-Guerrant
Member

Duane A. Eldred
Member

Jerry L. Frazier
Member

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

Patricia M. Loosemore
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NOTICE TO BIDDERS

Sealed proposals will be received by the Board of County Road Commissioners of the County of Eaton, Michigan at 1112 Reynolds Road, Charlotte, MI 48813, until 10:00 A.M., July 28, 2020, for furnishing and delivering the following:

HMA RESURFACING

CONTRACT C - HMA 13A; Approximately 16,300 Tons along with curb reconstruction, cold milling, gravel shoulders and other related work at various locations in Eaton County, Michigan.

The Eaton County Road Commission will consider award of the contracts after review by staff.

The Eaton County Road Commission offices are currently closed to non-essential employees. The bid opening will be done remotely using the video conferencing software Zoom. Those wishing to attend the bid opening must submit the request along with the attendee's e-mail so they may be invited to the video conference. Further information may be obtained from, and video conference requests must be sent to, Mathew Hannahs at the Eaton County Road Commission by e-mail at MHannahs@EatonCountyRoad.com. Questions may also be submitted by telephone at (517) 543-1630 Ext. 207. Plans, specifications, and bid blanks are available for download on our website www.EatonCountyRoad.com.

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 Bid Blank provided in the bid package.**

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

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

Benjamin S. Lyons, Chair
Timothy J. Lamoreaux, Vice Chair
Jerry L. Frazier, Member
Duane A. Eldred, Member
Lauren K. Aitch-Guerrant, Member

**EATON COUNTY ROAD COMMISSION
CHARLOTTE, MICHIGAN
2020 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

2020 HMA SURFACING BID BLANK

CONTRACT C

ITEM OF WORK	QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
HMA, 13A	16,314	TON	\$ _____	\$ _____
Cold Milling, Special, Delta	11,500	SYD	\$ _____	\$ _____
Cold Milling, Special, Charlotte	12,000	SYD	\$ _____	\$ _____
Cold Milling HMA Surface	48,900	SYD	\$ _____	\$ _____
Pavt Mrkg, Wet Reflective, Type Nr, Paint, 4 Inch, Yellow, Temp	3,600	FT	\$ _____	\$ _____
Pavt Mrkg, Wet Reflective, Type Nr, Paint, 4 Inch, White, Temp	1,500	FT	\$ _____	\$ _____
Shoulder, CL II	1,500	TON	\$ _____	\$ _____
Dr Structure Cover, Adj	34	EACH	\$ _____	\$ _____
Drainage Structure Reconstruct	10	FT	\$ _____	\$ _____
Curb Reconstruct	111	FT	\$ _____	\$ _____
Monument Box Adjust	7	EACH	\$ _____	\$ _____
TOTAL BID CONTRACT C				\$ _____

****Mix design percent RAP binder by weight of total binder** _____ %

EATON COUNTY ROAD COMMISSION

**2020 HMA SURFACING
BID BLANK**

CONTRACT C

* The Eaton County Road Commission is requesting a bid price for an alternate material with no Reclaimed Asphalt Pavement (RAP). The quantity shown in each bid line is the total estimated for this contract. Either HMA mix design may be selected in whole or for any part of this contract at the discretion of the Eaton County Road Commission. The mix design will not change on any one HMA course on an individual project, but 2 course pavements may have separate mix designs for each course. The Eaton County Road Commission will award this contract as it feels is in the best interest of the Road Commission.

*HMA, 13A - NO RAP \$ _____

The undersigned agrees that the quantities provided on the Contract C 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 _____

EATON COUNTY ROAD COMMISSION

2020 HMA SURFACING PROGRAM
CONTRACT C

07/06/2020

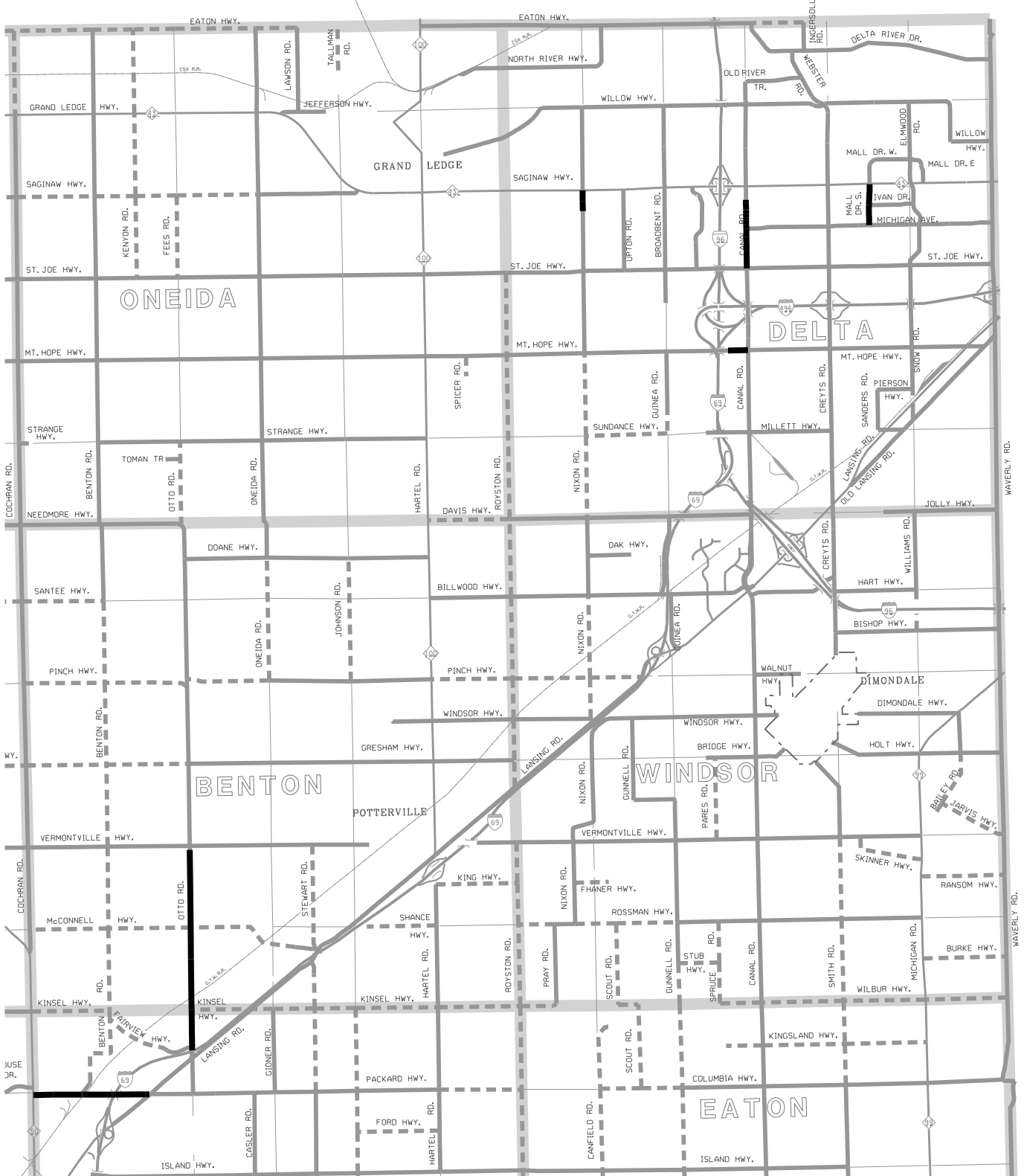
BID BLANK SUMMARY

ROAD	FROM TO	LENGTH	WIDTH	SHOULDER WIDTH	MILLING WIDTH	HMA APPLICATION RATE	UNIT		TOTAL HMA, 13A	COLD MILLING, SPECIAL	COLD MILLING HMA SURFACE	SHOULDER, CL II	PAVT MRKG, WET REFLECTIVE, TYPE NR, PAINT, 4 INCH, YELLOW, TEMP	PAVT MRKG, WET REFLECTIVE, TYPE NR, PAINT, 4 INCH, WHITE, TEMP	DR. STRUCTURE COVER, ADJ.	DRAINAGE STRUCTURE RECONSTRUCT	CURB RECONSTRUCT	MONUMENT BOX ADJUST	
							#/SYD	TON											TON
Canal	End of MDOT project to St. Joe	4,396	48		48	220	2,715		2,715	23,500			993	703	28				1
Nixon	M-43 to End of Safety Project	1,383	51	2	51	220	863		863	7,800	20	221	100						
Packard Rd	M50 to Lansing Rd	7,339	32	2	32	220	2,870		2,870	19,800	240	587			3				2
Mt. Hope	I69/96 to Canal	1,271	53	2	67	220	868		868	7,900	50	330	219		1				
Mall Drive S	M-43 to Michigan	2,574	48		48	220	1,398		1,398	13,400		440	432		2			111	
Otto	I-69 bridge to Vemontville	13,160	30	2		330	7,600		7,600		1,100	1,053							4
Total =									16,314	23,500	48,900	1,410	3,624	1,454	34		111		7

EATON COUNTY, MICHIGAN 2020 HMA PAVING CONTRACT C

— HMA PAVING

JULY 10, 2020



EATON COUNTY ROAD COMMISSION

SPECIFICATIONS
FOR
HMA SURFACING PROGRAM

ECRC

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04-21-20

- A. All work included in the 2019 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**.

Where indicated on the bid blank, 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.

Where directed by the Engineer, edge milling shall be performed to remove the existing HMA surface at the curb line to a depth as necessary to match the proposed yield. 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 at a 2% cross slope, or as near as possible. 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** or **Cold Milling HMA Surface, Special** 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 depth and cross slope. No additional payment will be made where milling subsurface material occurs.

- E. **Driveways:** Any driveway with a drop from the new pavement surface of more than 2 inches SHALL have material placed to allow temporary access until final driveway approach work is complete. The temporary material SHALL be placed the same day paving occurs. The temporary driveway approach slope shall be no greater than 10%.

Final driveways shall be replaced at a slope no greater than 5%, unless otherwise directed by the engineer. Driveway paving and gravel shall go no farther than 33 feet from the road centerline unless otherwise directed by the engineer.

- F. Adjust monument boxes in accordance with Section 821 of the Standard Specifications. Quantities shown on the bid blank are estimates and payment will be for the actual number of monument boxes adjusted.

The unit price for **Monument Box Adjust** includes the cost of sawcutting existing pavement, adjusting the cover up or down, and removing and replacing the pavement adjacent to the monument box. Metal riser rings are not allowed to adjust monument boxes.

- G. Adjust drainage structure covers, water manhole covers, and water valve boxes in accordance with Sections 403 and 823 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 measured and paid for as **Dr Structure Cover, Adj - Each**. Water valve boxes will be measured and paid for as **Water Shutoff, Adj - Each**.

Temporary lowering and/or protection of existing drainage structure covers for cold milling operations will be required. All costs for temporary lowering of covers shall be included in the unit price bid for **Cold Milling HMA Surface** or **Cold Milling HMA Surface, Special**. 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. 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 or valve boxes.

- H. Reconstruct drainage structures where the existing chimney, or top section of the drainage structure, has failed, and where directed by the Engineer. Prior to commencing work, the Engineer will mark those drainage structures that require reconstruction. If a drainage structure is not marked for reconstruction, but the Contractor feels the condition is such that it should be, the contractor shall contact the Engineer for inspection prior to performing the work.

All work, materials, and equipment shall meet the requirements of Section 403 of the Standard Specifications. The drainage structure shall be reconstructed using new concrete blocks, bricks, or precast concrete sections. Chimney sections shall be reconstructed using new concrete blocks, bricks, or precast riser rings supported on a full bed of mortar. The outside of the reconstructed section of the drainage structure shall be wrapped with non-woven geotextile fabric prior to backfilling.

Drainage Structure Reconstruct will be measured by the foot from the lowest depth of drainage structure required to be removed to 6" below the bottom of the casting. Payment shall be in full for all

work, materials, and equipment necessary to perform drainage structure reconstruction. **Dr Structure Cover, Adj** will also be paid on those structures where **Drainage Structure Reconstruct** is paid. Curb and gutter that must be removed and replaced to facilitate the pay item **Drainage Structure Reconstruct** will be paid for as **Curb Reconstruct**.

Prior to commencing **Dr Structure Cover, Adj** and **Drainage Structure Reconstruct**, the inside of the manholes will be photographed. It will be the contractor's responsibility to remove all material that has fallen into the manholes during the course of the work, at no cost to the contract. The contractor shall take all proper and OSHA approved safety measures required to remove the material from the drainage structures.

- I. 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 directed by the Engineer, 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; HMA hand patching; and restoration behind the curb. All work, labor, materials, and equipment for removing the existing curb and gutter, excavating, placing new aggregate base, placing new curb and gutter, hand patching, backfill and slope restoration will be measured by the foot and paid for as **Curb Reconstruct**.

Where there is no existing curb and gutter, the grade will be excavated; Aggregate Base, 21AA, 6 inch 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 the slope restored. Refer to the Proposed Intersection Curb Construction detail. All work, labor, materials, and equipment for constructing the new curb and gutter where there is no curb and gutter will be measured by the foot and paid for as **Curb, Conc, Det B2 – Special**. All work, labor, materials, and equipment for preparing the aggregate base including excavation between the existing asphalt to 6" behind the proposed curb and gutter, placing and compacting **Aggregate Base, 6 inch – 21AA** over the entire excavated area, backfill, and slope restoration will be measured by the square yard and paid for as **Intersection Grading**.

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.

- J. 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 submit an MDOT approved mix design on MDOT Form 1911 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.

- K. 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. 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 approaches as directed by the Engineer. Driveway slopes shall be 5% or flatter, unless otherwise directed by the Engineer.

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 construction, including driveway approaches, will be paid for at the unit price per ton for **Shoulder, CI II**.

- L. Slope restoration shall be done in accordance with section 816 of the Standard Specifications. Slope restoration may be necessary in rural and subdivision areas that do not have curb and gutter, behind replaced and new curb and gutter, and 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 measured by the square yard and paid for as **Slope Restoration**.

Schedule: Slope restoration shall be completed within 2 weeks of paving the surface. All slope restoration shall be completed prior to September 15, 2019. The contractor shall schedule the work to have streets requiring slope restoration completed prior to this date.

- M. 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.
- N. 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.

- O. 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.
- P. **Schedule:** The completion date for all work in this contract is October 30, 2020. On-site work shall occur between the hours of 7:00 AM and 7:00 PM with the exception that equipment or lane closures shall occur no earlier than 15 minutes before sunrise no later than 15 minutes after sunset regardless of the time.

The Board reserves the right to cancel any of the individual projects and/or cancel Contracts in their 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 November 15, 2020.

EATON COUNTY ROAD COMMISSION

SPECIAL PROVISION
FOR
COLD MILLING HMA SURFACE, SPECIAL

ECRC

1 of 1

05/23/18

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. 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 may include, but not be limited to, multiple passes of the cold milling machine over the same area and/or reducing the speed of the cold milling equipment.

c. Measurement and Payment. The unit price for **Cold Milling HMA Surface, Special** includes the cost of milling to a maximum top size aggregate of 1.5 inches, salvaging, loading, hauling, and delivering the millings to the Road Commission garage indicated on the bid blank. Garage addresses are provided below.

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

Charlotte Garage
1112 Reynolds Road
Charlotte, MI 48813

Delta Garage
3102 Sanders Road
Lansing, MI 48917

EATON COUNTY ROAD COMMISSION

SPECIAL PROVISION
FOR
Base Repair

ECRC

1 of 1

03-22-18

a. Description. **Base Repair** shall be performed in areas directed by the Engineer. **Base Repair** shall consist of providing all labor, equipment, and materials required to remove existing HMA and underlying base materials and replacing that material with HMA, 13A.

Areas where **Base Repair** will be performed may be know prior to work beginning, or may be designated by the Engineer after milling operations and prior to HMA surfacing.

b. Construction: Remove the existing HMA base and aggregate base to a depth directed by the engineer. This material shall become the property of the contractor and shall be removed from the site.

Place and compact HMA, 13A to the top of the existing surface elevation. The work will require excavation or milling, loading, hauling, grading, and compacting as directed to prepare the subgrade and placing and compacting the HMA, 13A.

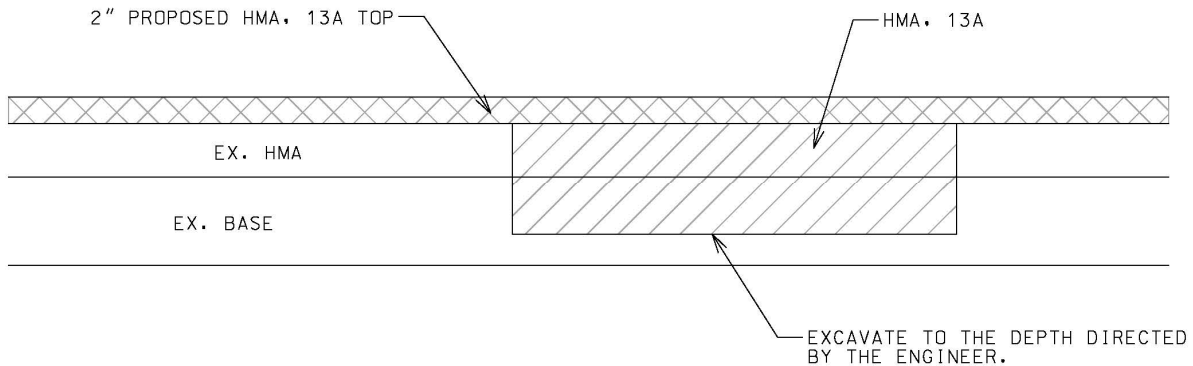
c. Measurement and Payment. The work of **Base Repair** will be measured and paid for by the ton of HMA, 13A placed in the excavated area, which price shall be payment in full for HMA removal, base removal, and placing and compacting HMA, 13A placed in the excavated area. HMA, 13A top will be measured and paid for separately.

PAY ITEM

PAY UNIT

Base Repair

Ton



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.