



Eaton County
**Road
Commission**

April 13, 2021

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
Director of Finance

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Charlotte, MI 48813

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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., April 27, 2021, for furnishing and delivering the following:

HMA RESURFACING

CONTRACT A - HMA 13A; Approximately 13,187 Tons along with 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.

Specifications, bid blanks, and further information may be obtained on the Eaton County Road Commission website located at <http://eatoncountyrroad.com/Doing-Business-With-Us/Bid-Information> or by e-mailing ecrc@eatoncountyrroad.com.

All proposals must be submitted in sealed envelopes bearing the name of the bidder and clearly marked with a notation indicating the service or material for which the bid is submitted. The bid opening will be held via Zoom. Those wishing to attend the bid opening must request an invitation by e-mail from MHannahs@EatonCountyRoad.com.

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
Lauren K. Aitch-Guerrant, Member
Duane A. Eldred, Member

**EATON COUNTY ROAD COMMISSION
CHARLOTTE, MICHIGAN
2021 HMA SURFACING PROPOSAL**

CONTRACT A

**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

**2021 HMA SURFACING
BID BLANK**

CONTRACT A

ITEM OF WORK	QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
**HMA, 13A	13,187	Ton	\$ _____	\$ _____
Shoulder, CI II	4,450	Ton	\$ _____	\$ _____
Pavt Mrkg, Type NR, 4 inch, Temp.	984	Ft	\$ _____	\$ _____
Monument Box Adjust	8	Each	\$ _____	\$ _____
TOTAL BID CONTRACT A				\$ _____
*HMA, 5E03	13,187	Ton	\$ _____	\$ _____
*HMA, 5E1	13,187	Ton	\$ _____	\$ _____

* The Eaton County Road Commission is requesting pricing alternatives for this item. The quantity shown in both bid lines is the total estimated for this contract. Either HMA mix design may be selected in whole or in part for 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.

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

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 _____

EATON COUNTY ROAD COMMISSION

2021 HMA SURFACING PROGRAM
 BID BLANK SUMMARY
 Contract A

04/13/2021

Township	Contract	ROAD	FROM TO	LENGTH	WIDTH	SHOULDER WIDTH	HMA APPLICATION RATE	HMA OVERLAY	HMA WEDGING	TOTAL HMA, 13A	*CRUSH AND SHAPE	SHOULDER, CL II	PAVT MRKG, TYPE NR, 4 INCH, TEMP	MONUMENT BOX ADJUST
							#/SYD	TON	TON	TON	SYD	TON	FT	EACH
Onieda	A	Benton	Needmore to Mt. Hope	10,623	24	4	220	3,272	320	3,592		1,558	319	3
Roxand	A	St. Joe	Gates to 1 mile east	5,354	24	4	330	2,474		2,474	19,036	785	161	2
Roxand	A	Eaton	Dow to .43 Mile east	2,290	30	2	330	1,322		1,322	8,142	168	69	
Sunfield	A	St. Joe	Shaytown to Dow	5,300	24	3	330	2,449		2,449	14,133	583	159	1
Walton	A	Messenger	Ainger to end of pavement	1,575	24	4	220	485		485		231	47	
Walton	A	Spicerville	White to Stine	2,816	24	4	330	1,301		1,301	7,509	413	84	1
Carmel	A	Stine	Five Point to Battle Creek	4,852	24	4	220	1,494	70	1,564		712	146	1
Totals =										13,187		4,450	984	8

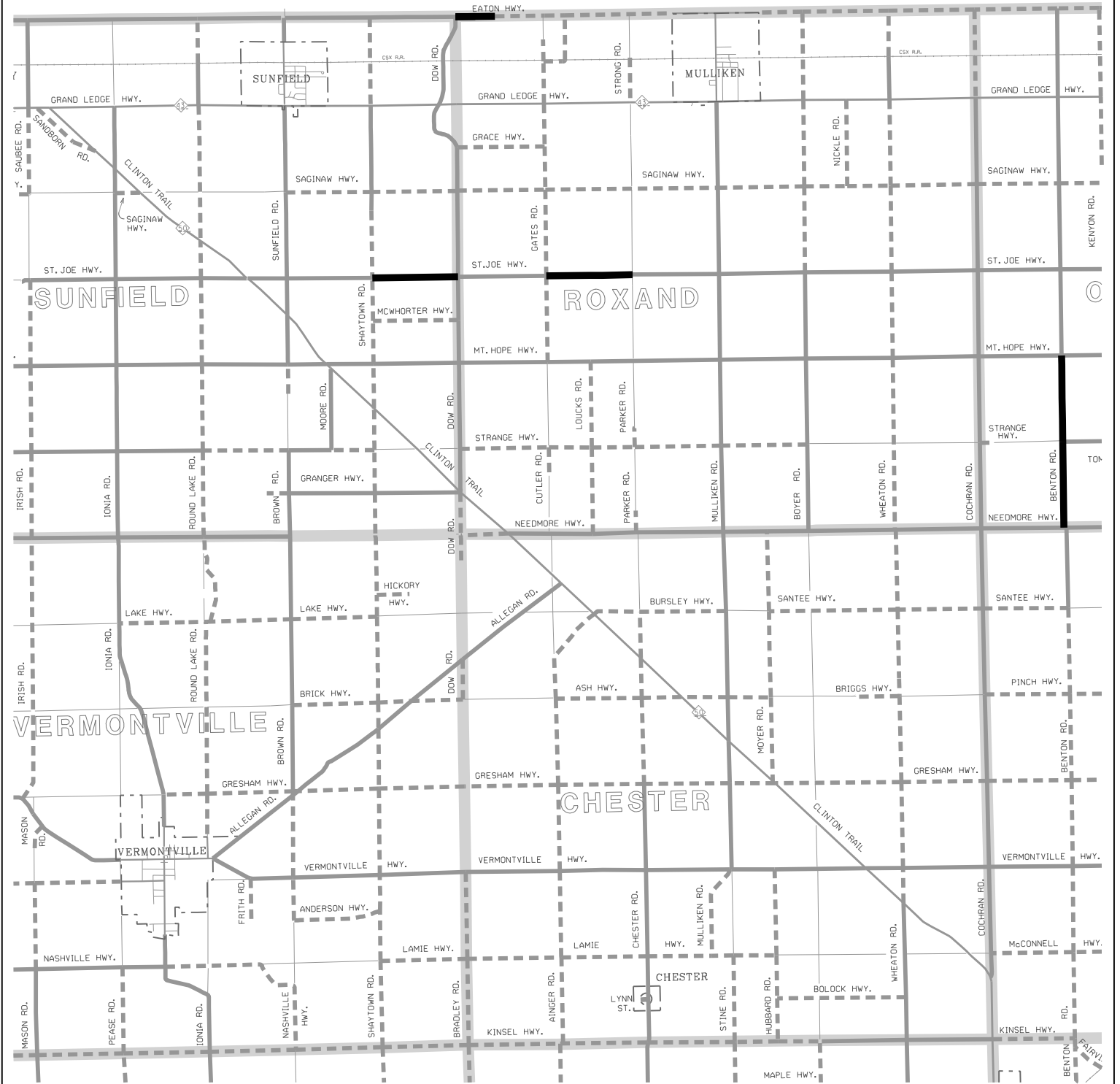
*Crush and Shape is not part of this contract

EATON COUNTY, MICHIGAN 2021 HMA PAVING CONTRACT A

1 OF 2

— HMA PAVING

APRIL 6, 2021



EATON COUNTY, MICHIGAN

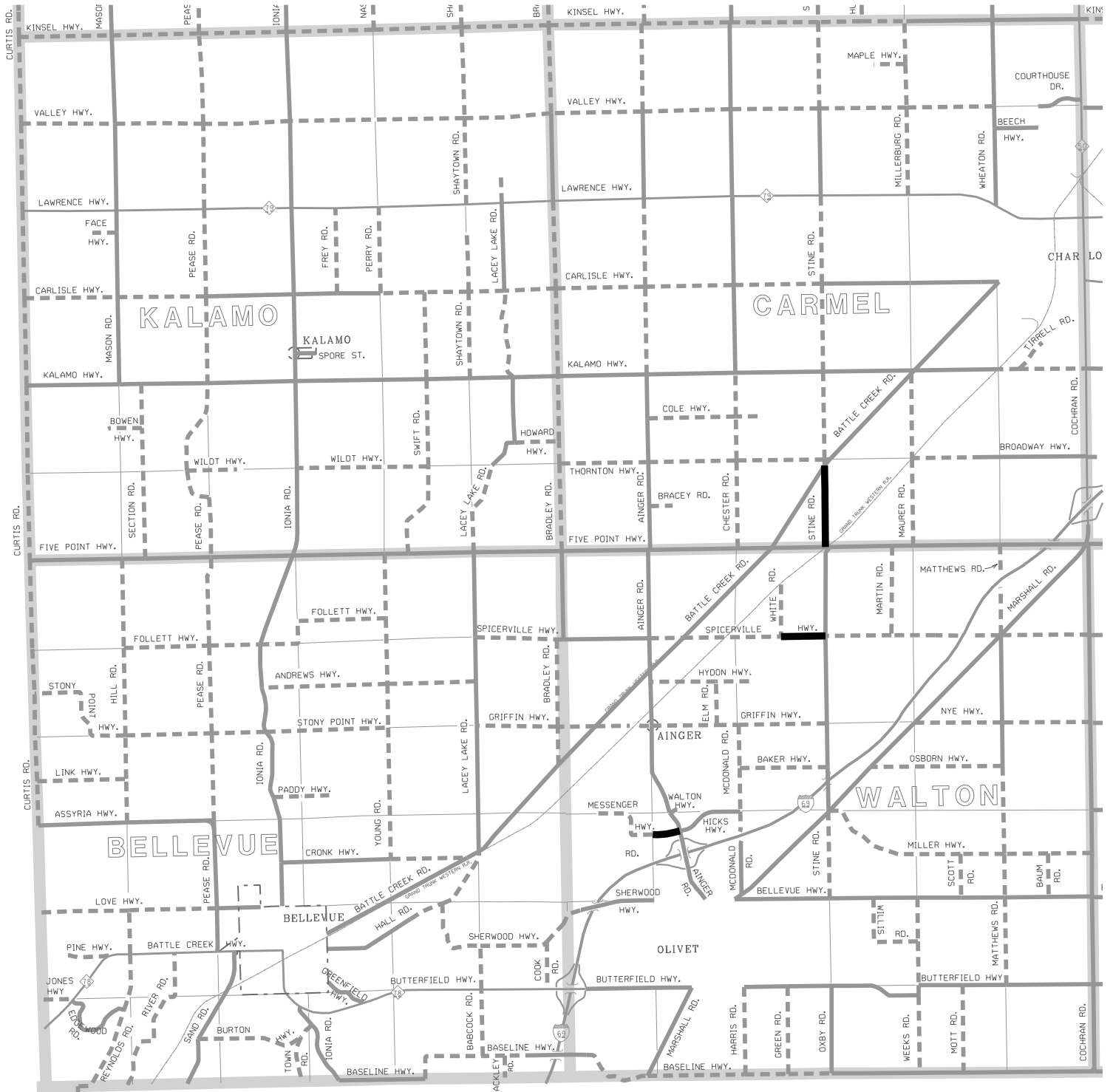
2021 HMA PAVING

CONTRACT A

2 OF 2

APRIL 6, 2021

— HMA PAVING



**EATON COUNTY ROAD COMMISSION
2021 HMA RESURFACING**

CONTRACT A

PROJECT LOG

Prior to paving, the following roads will be crushed and shaped by others. After the crushing and shaping operation, the road shall be paved in two equal lifts of 165#/syd each (330#/syd total). The Engineer will coordinate the schedule for the crushing and shaping operation so paving may occur immediately after the crushing and shaping work is complete.

- St. Joe Hwy, Gates to 1 mile east
- St. Joe Hwy, Shaytown to Dow
- Spicerville Hwy, White to Stine

EATON COUNTY ROAD COMMISSION

SPECIFICATIONS
FOR
HMA SURFACING PROGRAM

ECRC

1 of 5

4/7/2021

- A. All work included in the 2021 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. The cost of 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. HMA approaches and driveways shall have a yield shown on the plans or as directed by the Engineer. Material for HMA approaches and driveways will be measured and paid as HMA, 13A as applicable and will not be paid for separately.
- E. 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. Milling cross slope shall be consistent across the entire lane. Additional passes with the mill may be necessary to remove irregularities in the milled surface cross slope. No additional payment will be made where milling subsurface material occurs or where additional milling passes are needed to meet the cross slope.

- F. **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.

- G. 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.

- H. 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 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**.

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.

- I. 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 by others. 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. Payment for drainage structure adjusts and reconstructs will be withheld until final approval by Delta Township has been made.

- J. 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**. All curb and gutter replaced shall drain in the direction of water flow. Curb and gutter that does not drain as a result of the contractors operations will be replaced at no cost to the project.

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.

- K. 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.

- L. 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. Shoulder shall be compacted full width. The cost for additional equipment if needed to achieve compaction on the shoulder edge shall be included in the Shoulder, CI II item. 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**.

- M. 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 18, 2021. The contractor shall schedule the work to have streets requiring slope restoration completed prior to this date.

- N. 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.

- O. 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.

- P. 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.
- Q. **Schedule:** The completion date for all work in this contract is October 30, 2021. 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, 2021.

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.