



**Eaton County
Road
Commission**

August 4, 2016

NOTICE TO BIDDERS

Dorothy E. Maxwell
Chair

Duane A. Eldred
Vice Chair

Timothy J. Lamoreaux
Member

Benjamin S. Lyons
Member

Darrell R. Tennis
Member

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

Lori N. Friedlis, CPA
Director of Finance

**EATON COUNTY ROAD COMMISSION
2016 HMA RESURFACING
CONTRACT F**

Addendum No. 1

Please add the MDOT Special Provision 12SP-501E-04 Recycled Hot Mix Asphalt Mixture on Local Agency Projects to the proposal.

There will be no change to the bid blank with Addendum No. 1.

If you have any questions, please contact me at 517-543-1630 x207

Sincerely,

Mathew Hannahs, P.E.
Assistant County Engineer

enclosures

1112 Reynolds Road
Charlotte, MI 48813

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

Fax
517-543-2608

Email
ecrc@eatoncountyyroad.com

MICHIGAN
DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION
FOR
RECYCLED HOT MIX ASPHALT MIXTURE ON LOCAL AGENCY PROJECTS

CFS:KPK

1 of 2

APPR:JWB:CJB:03-13-14

FHWA:APPR:03-13-14

Add the following subsection to subsection 501.02.A.2, on page 234 of the Standard Specifications for Construction.

- c. **Reclaimed Asphalt Pavement (RAP) and Binder Grade Selection.** The method for determining the binder grade in HMA mixtures incorporating RAP is divided into three categories designated Tier 1, Tier 2 and Tier 3. Each tier has a range of percentages that represent the contribution of the RAP binder toward the total binder, by weight. The tiers identified below apply to HMA mixtures with the following exception: Superpave mixture types E3, E3 High Stress, E10, E10 High Stress, E30, E30 High Stress, E50, and E50 High Stress used as leveling or top course must be limited to a maximum of 27 percent RAP binder by weight of the total binder in the mixture.

Recycled materials may be used as a substitute for a portion of the new materials required to produce HMA mixtures in accordance with contract.

- **Tier 1 (0% to 17% RAP binder by weight of the total binder in the mixture).** No binder grade adjustment is made to compensate for the stiffness of the asphalt binder in RAP.
- **Tier 2 (18% to 27% RAP binder by weight of the total binder in the mixture).** For all mixtures no binder grade change will occur in Tier 2 for all shoulder and temporary road mixtures.

The required asphalt binder grade must be at least one grade lower for the low temperature than the design binder grade required for the specified project mixture type. Lowering the high temperature of the binder one grade is optional. For example, if the design binder grade for the mixture type is PG 58-22, the required grade for the binder in the HMA mixture containing RAP would be a PG 52-28 or a PG 58-28.

For Marshall Mixes, no binder grade change will be required when Average Daily Traffic (ADT) is above 7000 or Commercial Average Daily Traffic (CADT) is above 700. No binder grade change will occur for LVSP, E03 and E1 mixtures used as leveling or top course.

The asphalt binder grade can also be selected using a blending chart for high and low temperatures. Supply the blending chart and the RAP test data used in determining the binder selection according to *AASHTO M 323*.

- **Tier 3 (\geq 28% RAP binder by weight of the total binder in the mixture).** The binder

grade for the asphalt binder is selected using a blending chart for high and low temperatures per *AASHTO M 323*. Supply the blending chart and the RAP test data used in determining the binder selection.



Eaton County
**Road
Commission**

July 21, 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 9:00 A.M., August 9, 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

HMA 36A, Approximately 4,400 Tons along with drainage structure adjustments and temporary and permanent pavement markings on Mt. Hope Highway from Canal Road to Lansing Road in Eaton County, Michigan.

Darrell R. Tennis
Member

The Eaton County Road Commissioners will consider award of the contract after review by staff.

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

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.

Lori N. Friedlis, CPA
Director of Finance

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.**

1112 Reynolds Road
Charlotte, MI 48813

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.

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

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

Fax
517-543-2608

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

Email
ecrc@eatoncountyroad.com

EATON COUNTY ROAD COMMISSION

SPECIFICATIONS
FOR
HMA SURFACING PROGRAM
CONTRACT F

ECRC

1 of 2

07/18/16

- 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. 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 the entire length of the project on both sides of the road. 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.

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.

- 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. 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. HMA 36A shall meet the requirements of the 2012 MDOT Standard Specifications for Construction, the attached Special Provisions, and as specified herein.

The yield shall be 100#/SYD.

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 may be required. Wedging will be paid for at the unit price bid for HMA and will not be paid for separately.

- G. **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. Payment for traffic control shall be included in the bid prices for the other contract pay items and will not be paid for separately.

Railroad Flagger will be required when working near Canadian National Railroad tracks. The Contractor shall fully comply with the "Requirements Regarding Flagging and Cable Location for Construction on CN" when any work is performed within the CN ROW. Contact Canadian National Railroad for prices and details. Payment for Railroad Flagger shall be included in the bid prices for the other contract pay items and will not be paid for separately.

- H. **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.

- I. **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.

- J. **Schedule:** The completion date for all work in this contract is October 15, 2016.

The Board reserves the right to cancel the Contract in its entirety.

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 F

**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 \$15,000, 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 # _____

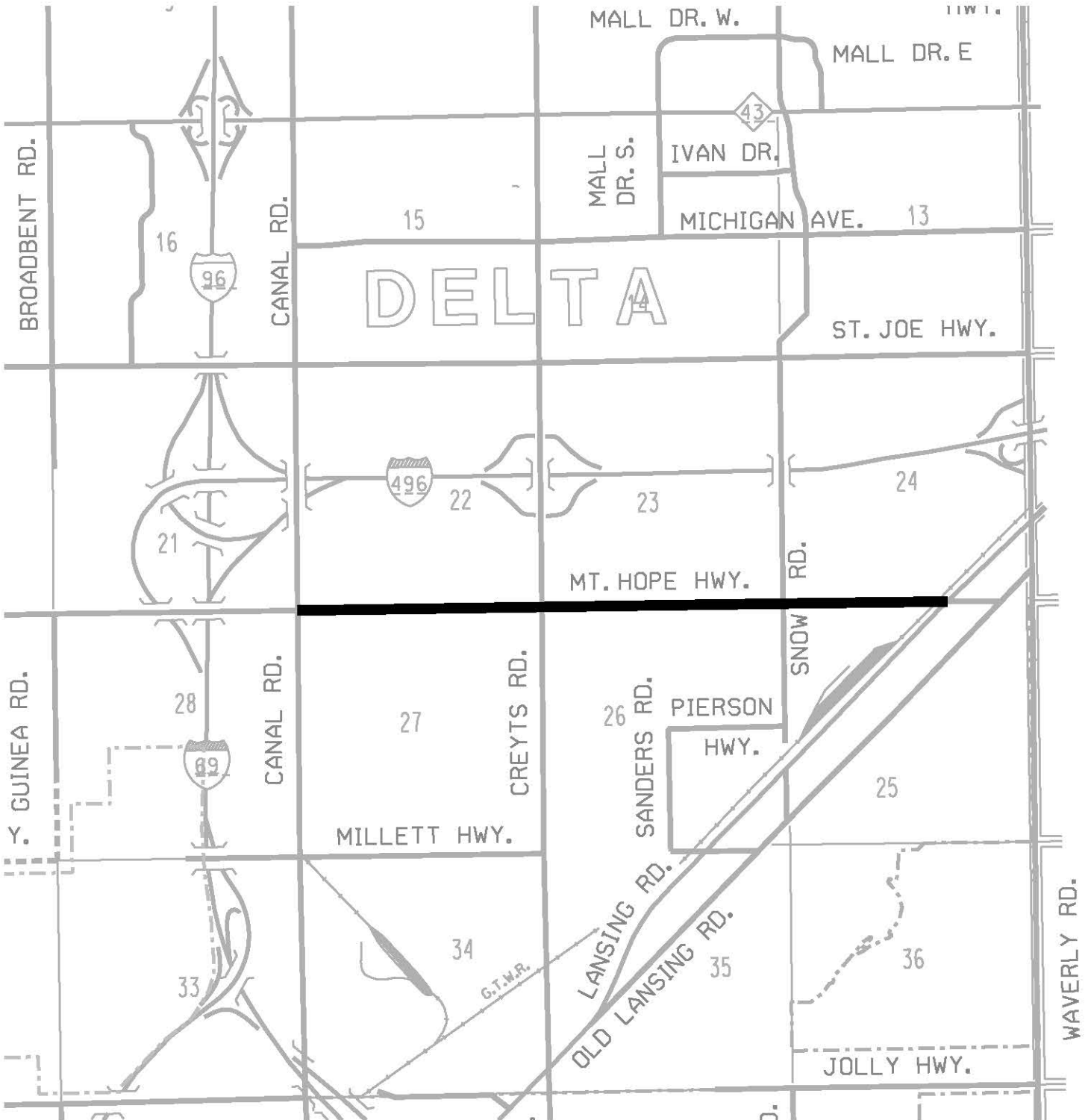
Signed by _____

Date _____

2016 PROPOSED HMA PAVING PROJECTS

CONTRACT F

REVISION DATE: 07-18-2016



EATON COUNTY ROAD COMMISSION

2016 HMA SURFACING

**CONTRACT F
MT. HOPE HIGHWAY**

ITEM OF WORK	QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
HMA 36A	4,400	TON	\$ _____	\$ _____
Cold Milling HMA Surface	22,000	SYD	\$ _____	\$ _____
Dr. Structure Cover, Adj.	55	EACH	\$ _____	\$ _____
Water shutoff, Adj.	16	EACH	\$ _____	\$ _____
Monument Box Adjust	4	EACH	\$ _____	\$ _____
Pavt Mrkg, Type NR, 4 inch, Temp.	3,000	FT	\$ _____	\$ _____
Pavt Mrkg, Waterborne, 4" White	13,900	FT	\$ _____	\$ _____
Pavt Marq, Waterborne, 4" Yellow	36,750	FT	\$ _____	\$ _____
Pavt Mrkg, Cold Plastic, RR Sym	2	EACH	\$ _____	\$ _____
Pavt Mrkg, Cold Plastic, Rt Arrow Sym	11	EACH	\$ _____	\$ _____
Pavt Mrkg, Cold Plastic, Lt Arrow Sym	8	EACH	\$ _____	\$ _____
Pavt Mrkg, Cold Plastic, Thru, Rt Arrow Sym	4	EACH	\$ _____	\$ _____
Pavt Mrkg, Cold Plastic, Thru Arrow Sym	8	EACH	\$ _____	\$ _____
Pavt Mrkg, Cold Plastic, 24" Stop Bar	450	FT	\$ _____	\$ _____
Pavt Mrkg, Cold Plastic, Only	27	EACH	\$ _____	\$ _____
TOTAL BID CONTRACT				\$ _____

The undersigned agrees that the quantities provided on the Contract 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 _____