

2018 Local and Primary HMA Paving East Half (east of I-69)

CCRD: ANK / FLO

3/2/2018

PROJECT LOCATION

Project locations will be at various sites throughout the county. Please refer to attached documents for reference. **Locations and quantities may vary depending on budgetary constraints. We reserve the right to adjust quantities and locations throughout the east half (east of I-69) in Calhoun County.**

The Engineer or Project Manager will establish the final locations for all items of work.

PROJECT DESCRIPTION

The project provides for HMA Paving / Paver Patching at various locations and various application rates. These application rates will vary from approximately 165lbs/syd to approximately 275 lbs/syd. With an application rate of 275 lbs/syd some wedging may be required prior to installing final wearing course for overlay or skip paving, this wedging will be included in **HMA, 36A** pay item. Calhoun County Road Department will mark the locations prior to construction and determine final application rates in the field.

The beginning and ending of the HMA paving shall have the larger aggregates raked out providing a smooth transition to and from the existing pavement with clean squared edges, or if determined by the engineer, milled butt joints. Butt joints may be required prior to paving, paid for as **Pavt for Butt Joints, Rem.** Butt joints shall be minimum 1 ½ inch depth (tapering to zero) x 10 foot length (minimum) x by the width of the roadway. The area of each butt joint will be marked out by CCRD.

The contractor will apply an approved Bond (tack) Coat prior to the placement of any HMA. The Bond Coat shall be applied with an approved distributor that has all nozzles open, functioning, and that will apply a uniform spray. The bond application rate will vary between .05 to .15 gallons/square yard depending on the existing pavement surface. Surfaces being paved shall have full bond coat coverage that extends the entire length of the paving area included in the **HMA, 36A** pay item. After the Bond Coat is applied it must cure "break" prior to HMA being placed. Bond Coat emulsion can be diluted with water up to 50 percent.

When monument boxes are located within the limits of the roadway that is proposed to be paver patched or paved, the Contractor shall be responsible for informing CCRD's inspector of the number and locations of said monument boxes no later than one (1) day prior to paving. CCRD will provide materials for the boxes to be raised by contractor, to be included in **HMA, 36A** pay item.

The contractor shall place a 2' HMA apron on all driveways, paid for by **HMA, 36A**. On all gravel driveways the contractor shall place a 2' gravel apron, outside of the HMA apron to taper into existing driveways, paid for as **Shoulder, CI II**.

GRAVEL SHOULDER

The contractor shall place 23A shoulder gravel on both sides of edge of newly installed HMA pavement approximately two (2) foot wide with-in 72 hours of paving or at the direction of the engineer or engineer designee. The shoulder gravel shall be compacted in-place by the contractor. Gravel shoulders will be placed in a manner so that there is no drop off from new pavement and positive drainage off the road is achieved, paid for as **Shoulder, CI II**.

The contractor shall be responsible for any clean-up of debris associated with the placement of any of the pay items at no additional cost.

SURFACING ITEMS

As directed by the Engineer, place required bond (tack) coat and HMA. Calhoun County Road Department reserves the right to make adjustments to the locations and HMA application rates in the field.

HMA, 36A	7732	Ton
Pavt for Butt Joints, Rem	300	SYD
Shoulder, CI II	3650	Ton

MAINTAINING TRAFFIC

The contractor is responsible for maintaining traffic during paving operations using traffic regulators. The road shall be opened to traffic at end of daily paving operations. Payment for this will be included in **HMA, 36A** pay item.

<i>Township</i>	<i>Primary / Local</i>	<i>Road</i>	<i>From</i>	<i>To</i>	<i>Estimated HMA Tons</i>	<i>Estimated overlay</i>
Albion	Local	H Drive S.	28 Mile Rd.	29 Mile Rd.	1200	1.75"
Albion/Eckford	Local	24 Mile Rd.	B Drive S.	D Drive S.	300	1.75"
Clarence/Lee	Primary	V Drive N.	US-27	27 Mile Rd.	2000	1.5"
Eckford	Local	D Drive S.	22 Mile Rd.	23 Mile Rd.	300	1.5"
Eckford	Primary	19 ½ Mile Rd.	E Drive S.	F Drive S.	550	1.5"
Homer	Primary	P Drive S.	27 Mile Rd.	29 Mile Rd.	550	1.5"
Marengo	Local	B Drive N.	23 Mile Rd.	24 Mile Rd.	1097	1.5"
Marengo	Local	I Drive N.	18 Mile Rd.	19 Mile Rd.	390	1.5"
Marengo	Primary	22 Mile Rd.	I-94	H Drive N.	410	1.5"
Marengo	Primary	G Drive N.	19 Mile Rd.	20 Mile Rd.	325	1.5"
Sheridan	Local	C Drive N.	28 Mile Rd.	29 Mile Rd.	410	1.5"
Tekonsha	Local	16 ½ Mile Rd.	V Drive S.	S. County Line Rd.	200	1.5"

*Shaded cells are contingent of township board approval.

Schedule of Items (Itemized Bid Sheet)

Letting Date: Friday, March 16, 2018 10:00 AM

Contract ID: 2018 East HMA
Location: 2018 East HMA - East Paving
Description: 2018 East HMA - East Local and Primary

Project Number: 2018 East HMA	Project Engineer: Fred Oaks
Estimate Number: 1	Date Created: 2/14/2018
Project Type: Miscellaneous	Fed/State #:
Location: 2018 East HMA - East Paving	Fed Item:
	Control Section:

Description: 2018 East HMA - East Local and Primary

Instructions to Bidders: IMPORTANT NOTICE:
If the proposal establishes a maximum price for any of the following work items, and if you bid a price higher than that maximum price, your bid will be considered to have quoted the maximum price and your bid total will be adjusted to reflect that maximum price.

If the proposal provides a specified price for any of the following work items, and if you bid a price higher or lower than that specified price, your bid will be adjusted to reflect that specified price.

If your bid is the lowest accepted bid, and if you refuse to accept the award of the contract due to the change in what you quoted as a maximum or specified price, you will forfeit your proposal guaranty.

Pay Item	Description	Quantity	Units	Unit Price		Bid Amount		
				Dollars	Cts	Dollars	Cts	
3070121	Shoulder, CI II	3,650	Ton					
5010008	Pavt for Butt Joints, Rem	300	Syd					
5010034	HMA, 36A	7,732	Ton					
Total Bid:								

Contractor: _____

(Signature)

(Date)