

Stutsmanville Road — Stutsmanville Road from Pleasantview to State Road

Project:

- 4.63 miles of HMA wedging with 2 inch HMA 26' wide asphalt overlay, except trenched area is 3 inch HMA
- Trenching 1' wide and 1" deep on both sides of road
- Gravel shoulders, 2' wide
- Pavement Marking

Project Dates:

Project Start Date: After May 1st, 2021.
Project Completion Date: October 1st, 2021.

Project Submittals:

The following shall be submitted to the Road Commission Engineer for approval prior to project start:

1. Material Source List (MDOT Form 501)
2. Progress Schedule (must be submitted within 5 days of Contract award)
3. See the Special Provision for Acceptance of HMA Mixtures on Township Projects for submittal requirements (must be submitted prior to paving).

General Note:

All work being performed will be conducted in the safest manner possible and appropriate PPE to be always worn. All work shall be done in accordance with the Michigan Department of Transportation 2012 Standard Specification for Construction. Contractor assumes all responsibilities for Quality Control (QC) to assure the plans and specifications are met per the contract and to provide professional craftsmanship in each task being performed. Any errors in plans or discrepancies found in the field shall be brought to the engineer's attention immediately. Davis Bacon Wages apply to all scopes of work.

Trenching:

The Contractor shall trench 1' wide and 1" deep either side of the existing pavement. Disposal of the material will be paid as part of the, **Trenching (l. ft.)**.

The trenched area will be paved 1" thick with HMA to match existing grade or can be filled with HMA Wedging.

Hand Patching

Areas marked in the field to have pavement removal will be done as HMA Surface, Rem by Syd as the sawcut is incidental to the pay item. Hand Patching can be done by shoveling, bucket, or paver to fill in the area that was removed and compacted to required density.

HMA Wedging:

HMA wedging will be placed to correct any cross-slope or quarter crown issues by matching (scratching) inner part of lane or to the center line for wedging width may vary. Cleaning of existing surface with power brooming and placing bond coat is incidental to wedging and done prior to placing HMA.

HMA Paving:

HMA 4E1 shall have a design Asphalt Performance Grade of 58-28. See the attached Special Provision for Acceptance of HMA Mixture on Township Projects for HMA mixture specifications. Bond coat to be applied per the application rate as specified. Paid for as an incidental to HMA Paving.

HMA APPLICATION TABLE					
Label	Mix	Application Rate (Lbs/Syd)	Design Performance Grade	Comments	Pay Item
T	HMA,4E1	220	58-28	Mainline/Approaches	HMA, 4E1
W	HMA,4E1	Varies	58-28	Wedging	WEDGING
1	AWI = 220 for all HMA,4E1				
2	Apply HMA Bond Coat at 0.10 gallons per square yard between paving courses or as directed by the Engineer. Tack all joints day of paving. Paid for as part of other HMA items.				

Driveways and Approaches:

Gravel Driveways shall be blended when the shoulder material is placed. Material shall be flushed to the edge of pavement and blended to existing 2.0' to 4.0', or as directed by the Engineer, from the edge of pavement, paid for as part of Shoulder CI II.

Pavt for Butt Joints, Rem quantity in Syd for driveway and Intersection prep before paving.

Paved driveways shall be blended when the HMA Overlay is placed. Material shall be placed 2.0' to 4.0', or as directed by the Engineer, outside the edge of pavement for the road, paid for as part of HMA Overlay.

Place HMA Overlay on the approach for paved County Roads 30.0 feet, or as directed by the Engineer, from the edge of the mainline.

The Contractor is responsible to ensure positive drainage in all paved approaches. The Contractor will be responsible for repairing, at the Contractor's expense, standing water or other drainage related issues.

Pavement Joints:

The Contractor shall cold mill a butt joint at locations listed below. All labor, equipment and materials necessary to construct the joint shall be paid for as **PAVT for Butt Joints, Rem (Syd)**.

- | | | |
|-----------|----|---|
| Stations: | 1. | P.O.B. Edge of pavement on Pleasantview Road |
| | 2. | P.O.E Joint at end of concrete curbs east of State Road |

Gravel Shoulders:

Contractor shall place Shoulder, CI II material that meets MDOT specification, width placed per plans or as directed by the engineer. Shoulder, CL II material shall be a 100% crushed limestone material that meets specifications for Shoulder, CI II (23A). When placing shoulder aggregate, material shall be placed directly on the shoulder. No shoulder material may be placed on the asphalt. Shoulder material shall be flushed to the edge of pavement and blended to the existing shoulder on the outside. Shoulder material shall have proper moisture content and can be wheel rolled with heavy equipment or compacted by other acceptable means approved by the engineer to achieve specified density and to have a smooth sealed finish. The Contractor is responsible to ensure positive drainage on gravel shoulders. The Contractor will be responsible for repairing, at the Contractor's expense, standing water or other drainage related issues.

The Contractor shall provide an electronic scale ticket for each load delivered to the job. All scale tickets shall meet MDOT requirements. The Contractor shall provide current scale

certification to the Road Commission prior to hauling material. Loader scales will not be accepted. Any exceptions shall be noted on the bid sheet for the project.

The Contractor shall schedule shoulder material placement in a timely manner to reduce the time that an edge drop off exists. The Contractor shall place shoulder material within 7 calendar days of paving completion. If the Contractor fails to place shoulder material, the Road Commission will levy liquidated damages of \$200.00 per calendar day that the edge drop off exists.

Traffic Control:

All traffic control, signing and traffic control items shall be paid for as **Traffic Control**. Traffic will be maintained by the Contractor in accordance with the 2011 Michigan Manual of Uniform Traffic Control Devices.

Pavement Markings:

Pavement Markings shall be placed in accordance with the 2011 Michigan Manual of Uniform Traffic Control Devices. All zoning shall be the responsibility of the contractor. Payment for zoning shall be included in the items for pavement markings. Travelled lanes shall be 11' and paved shoulders 2'.

Subcontractors:

The Contractor shall submit the attached "Subcontractor Certification" form along with the Bid Sheet. The Contractor will certify that no subcontractor(s) will be used on the project or list the subcontractors, and work items, that will be part of the project.

Project Quantities:

Mobilization	1	LS
Approach, CI II	328	Ton
Shoulder, CI II	2,860	Ton
Trenching	48,892	Ft
HMA Surface, Rem	1,945	Syd
Pavt for Butt Joints, Rem	1,565	Syd
HMA Hand Patching	342	Ton
HMA, 4E1	7,768	Ton
HMA Approach	277	Ton
HMA Wedging	6,107	Ton
Pavt. Markg. Waterborne, Yellow	48,892	Ft
Pavt. Markg. Waterborne, White	48,892	Ft

Traffic Control	1	LS
Monument Box Adjust	7	Ea

Bid Sheet

Board of Emmet County Road Commissioners
2265 East Hathaway Road
Harbor Springs, MI 49740

Gentlemen:

The undersigned proposes to furnish any and all materials, labor, and equipment necessary for the HMA Paving as spelled out in the "Invitation to Bid" for the prices below.

Project: **Stutsmanville Road**

Item	Quantity	Unit	Unit Price	Total
Mobilization	1	LS		
Approach CI II	328	Ton		
Shoulder, CI II	2,860	Ton		
Trenching	48,892	Ft		
HMA Surface, Rem	1,945	Ft		
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Pavt. Markg. Waterborne, White	48,892	Ft.		
Traffic Control	1	LS		
Monument Box Adjust	7	Ea		
TOTAL PROJECT COST ESTIMATE =				

Bidder: _____

Address: _____

Signature: _____

Phone No.: _____

Printed Name: _____

Date: _____

E-mail: _____

Subcontractor Certification
For
STUTSMANVILLE ROAD

This project will not have any work completed by subcontractor(s).

Contractor Name

Contractor Representative Printed Name

Date

Contractor Representative Signature

Subcontractor: _____

Items of Work:

_____	_____
_____	_____
_____	_____
_____	_____

Subcontractor: _____

Items of Work:

_____	_____
_____	_____
_____	_____
_____	_____