

**City of Edgerton, Wisconsin
Department of Public Works
Request for Proposals**

Asphalt Mill and Overlay

2021-7

The City of Edgerton, Wisconsin is soliciting proposals from Contractors interested in providing asphalt mill and overlay of city streets.

Interested Contractors shall provide the city with written cost proposals which also provide information regarding the firm's experience, references, equipment to be used and proposed schedule.

The proposal shall also include a completed and fully executed Bid Form.

All proposals may either be provided in hard copy enclosed within a sealed envelope and clearly labeled "Asphalt Mill and Overlay" or emailed to hmoser@cityofedgerton.com by the deadline noted below:

Deadline for receipt of proposals is **3:00 p.m. Monday, August 30, 2021**

Interested parties should contact:

City of Edgerton

12 Albion St

Edgerton, WI 53534

Call 608-884-3341 or email hmoser@cityofedgerton.com

The City of Edgerton reserves the right to contract with the Bidder that has been determined to be in the best interest of the City after full consideration of cost, schedule and overall value.

The City of Edgerton also reserves the right to reject any or all Bids and the right to adjust the schedule as may be required due to weather conditions.

Important Bidder Information

Contractors are requested to visit the roads targeted for Mill and Overlay listed on Exhibit A prior to bidding.

Each **Bid shall be submitted on the bid form** furnished by the City of Edgerton and attached to this Request for Proposals package.

Scope of Work

The scope of work consists of the milling of 2-inches of asphalt and overlay of 2.25-inches of hot mix asphalt to the roads listed in Exhibit A.

The City of Edgerton reserves the right to increase, decrease and/or otherwise modify the list of roads contained in Exhibit A.

References

Contractors must provide a list of three (3) jobs completed within 30 miles of the City of Edgerton that have lasted a minimum of three winters. List should include name of municipality, name and phone number of municipal representative and years worked for the municipality. Listed projects must be municipal streets or roads. Parking lots and driveways will not qualify. Submit list in attached bid forms.

ASPHALTIC PAVEMENT MILLING

- A. Remove asphaltic pavement by milling at the location(s) and to the thickness(es) shown on Exhibit A and disposing, hauling, salvaging, stockpiling or reusing of the milled materials on the Project Site.
- B. Mill the existing asphaltic pavement until 100 percent of the millings pass the 1 ½ inch sieve.
- C. Windrow or load material as construction operations dictate.
- D. Milling materials shall be:
 - 1. Hauled away by the contractor.

FLEXIBLE PAVING

GENERAL

1.01 SUMMARY

- A. Hot Mix Asphalt (HMA)
- B. Tack Coat

1.02 REFERENCES

- A. State of Wisconsin Department of Transportation (WisDOT)
 - 1. WisDOT Standard Specifications for Highway and Structure Construction ("State

Specifications”), current edition, and all supplemental and interim supplemental specifications, as they may pertain, with the exception of the following items which shall not apply:

- a. Method of measurement and basis of payment.
2. Asphaltic concrete pavement shall comply and be constructed in accordance with:
 - a. WisDOT 450, General Requirements for Asphaltic Surface
 - b. WisDOT 455, Asphaltic Materials
 - c. WisDOT 460, Hot Mix Asphalt Pavement (HMA)

1.03 ALLOWANCES

- A. If so stated in the specification “Allowances”, installation testing will be paid as an allowance. All other testing will be incidental to the Work.
- B. If there is no reference in the specification section to “Allowances”, then testing costs will be incidental to other Work items.

1.04 SUBMITTALS

- A. Action Submittals:
 1. Submit two (2) copies of each asphaltic concrete mix design proposed for the project.
 - 2.
- B. Informational Submittals:
 1. Submit two (2) copies of the results of quality control testing.
 2. Submit daily one (1) copy of weight tickets showing the net weight for each truckload of asphalt delivered and placed. Provide gross, tare, and net weights as well as date, time, ticket number, project, and mix type.

1.05 QUALITY ASSURANCE

- A. Testing:
 1. Obtain an independent testing laboratory approved by the Owner to provide quality control testing.
 2. Testing agency shall perform a minimum of one density test for every 1,500 square yards of each layer of pavement placed or fraction thereof.
 3. Retests are required within testing areas not meeting minimum density requirements.
 4. If density testing results are below minimum requirements, submit proposed corrective action to Engineer.

1.06 FIELD OR SITE CONDITIONS

- A. Place asphaltic mixture only on a prepared, firm, and compacted base, foundation layer, or existing pavement substantially surface-dry and free from loose and foreign material. Do not place pavement over frozen subgrade or base, when roadbed is unstable or during rain or snow.
- B. Cold Weather Paving

1. Remove Subsections 450.3.2.1.1(1) of the State Specifications and replace with the following:

Asphaltic pavement shall not be placed when the air temperature in the shade and away from artificial heat sources is less than 36 ° F. If Engineer allows placing asphaltic mixtures below the specified minimum temperature, either at the Contractor's request or to complete the Work to the stage the contract requires, the Work will be performed at the Contractor's risk. Final inspection of the asphaltic concrete pavement will be deferred until May of the following year. Before final acceptance of the Work, restore all pavement damage or defects the Engineer attributes to temperature or other weather conditions. Repair or replace areas of pavement as identified by the Engineer.

C. Wet Weather Conditions

1. In the event of sudden or impending rain, material in transit will be permitted to be laid at the Contractor's risk providing the pavement is free of standing water and the proper temperature of the delivered asphalt material is maintained. Approval to unload the trucks in transit shall in no way relax the requirements of quality, density, or smoothness of the asphalt being placed.

PART 2 - PRODUCTS

2.01 ASPHALT PAVEMENT MATERIALS

- A. Aggregate in the pavement mix shall conform to Section 460 of WisDOT "State Specifications", and comply with the minimum layer thicknesses as listed below:

<u>Gradation No.</u>	<u>Nominal Size</u>	<u>Minimum Layer Thickness</u>
4	(12.5 mm)	1.75"

B. Pavement Mix Design

1. Prior to beginning construction, submit copies of the State approved design mixes for materials proposed to be used on this project.
2. Produce and incorporate the asphaltic mixture in the Work on the basis of job-mix formula. The Contractor shall be responsible for the asphaltic job-mix design report, conforming to Section 460 of WisDOT Standard Specifications, and shall submit a signed copy of the report to the Engineer for review at least two weeks prior to start of paving operations.

2.02 TACK COAT MATERIALS

- A. Tack coat material shall be an asphalt emulsion, conforming to Section 455 of WisDOT State Specifications, diluted with an equal amount of water and applied at a consistent rate of 0.05 to 0.15 gallons per square yard or as directed by the Engineer.

2.03 EQUIPMENT

- A. Paver: The paver shall have sufficient power and traction to operate on grades. Screed extensions with static extensions shall not exceed 12 inches. The paver shall have the ability to pave widths necessary to meet the lane paving width/passes requirements. Paver must have the ability to control the asphalt thickness and ride quality using a contact or non-contact grade reference system.
- B. Vibratory rollers shall conform to Section 450 of WisDOT Standard Specifications. NOTE: If existing roadway includes utilities that may be sensitive to vibration (such as older water mains) consider use of static rolling only)
- C. Equipment used in the performance of this work shall be subject to the approval of the Municipal Services Director and maintained in optimum working condition at all times. The Contractor shall have ready access to sufficient back-up equipment that can be utilized in the event of equipment breakdown.

PART 3 - EXECUTION

3.01 SURFACE PREPARATION

- A. Prepare a compacted foundation in accordance with these specifications. All required corrections; filling of potholes, sags, depressions, must be addressed. Edges of match points, curb and gutter, castings, etc. must be cleared of excess material that may prevent installation of the specified pavement thickness.

3.02 PAVEMENT THICKNESS

- A. The pavement thickness shall match the existing thickness unless the minimum thickness(es) specified within these specifications apply.

3.03 TEMPERATURE OF ASPHALT PLACED

- A. All asphalt shall be delivered to the project site at a temperature not lower than 250 ° F.

3.04 TACK COAT

- A. Apply a thin, uniform layer of tack coat to each lower layer prior to placing succeeding layer. Apply the tack coat the same day that the next layer is placed. Do not place pavement until the tack coat emulsion has broken (water and asphalt separate) or is tacky to the touch.

3.05 PAVEMENT PASSES

- A. Do not straddle the centerline with the paver. Either 2 or 4 passes shall be used. No 3-pass paving will be allowed.

3.06 PAVEMENT COMPACTION

- A. All pavements shall be built in accordance with the Maximum Density Method per Section 460 of WisDOT Standard Specifications. The maximum specific gravity value shall be indicated on the asphaltic job-mix design report.
- B. Compact pavements to a density not less than that shown in the table below:

Minimum Required Density [1]			
Location	Layer	Percent of Target Maximum Density	
		Mixture Type	
		LT and MT	HT
Traffic Lanes [2]	Lower	93.0 [3]	93.0 [4]
	Upper	93.0	93.0
Side Roads, Crossovers, Turn Lanes, & Ramps	Lower	93.0 [3]	93.0 [4]
	Upper	93.0	93.0
Shoulders & Appurtenances	Lower	91.0	91.0
	Upper	92.0	92.0

- C. Verify the degree of compaction and submit a report to the Engineer which includes date paved, date tested, test locations, and degree of compaction.
- D. All compaction (rolling) operations shall be performed during daylight hours.
- E. Replace pavement full lane width with all joints saw cut and tacked when:
 - 1. Minimum density is not met.
 - 2. Minimum asphalt content is not met.
 - 3. There is significant segregation, raveling, rutting, or deformation.

3.07 Traffic Control

The Contractors shall be required to provide their own traffic control measures. Said measures shall insure that traffic interruptions are minimal and that the public receives sufficient information and directions to pass and proceed safely through the work areas.

The setup shall include but not be limited to road signs, safety vests, flaggers where necessary, and traffic cones. The selected Contractor shall employ all measures and procedures of safety and traffic control applicable by local, state, and/or federal laws during the performance of services.

The selected Contractor shall work in one lane at a time, and shall work with the direction of traffic in that lane.

The selected Contractor will be held responsible for all damage to the work from vehicles, motorcycles, bicycles, pedestrians, and animals or any other cause due to lack of adequate controlling devices.

3.08 Coordination

All work on City streets shall be coordinated through the office of the Municipal Services Director.

The Contractor shall have an on-site supervisor or foreman available to direct operations. This supervisor or

foreman will report to the Municipal Services Director regarding any problems encountered, resolution of corrective actions, provide daily progress reports and coordinate the next day's activities.

3.09 Defective Work

The City will provide a Department of Public Works staff person to observe the operation and confirm proper procedure.

Should the Contractor fail to maintain an effective level of performance, the City of Edgerton reserves the right to terminate the contract.

In the event the work performance of the selected Contractor is unsatisfactory, the selected Contractor will be notified by the Municipal Services Director or his designee and be given five (5) working days to correct work, and unreasonable delay in the performing of corrections may be grounds for termination of the selected Contractor.

3.10 Payment:

Lump sum price by street will include all work necessary to complete the work in a satisfactory manner and will include labor and materials including traffic control for the project.

Payment will be made within 30-days of receipt of the submission of a completed invoice for the services billed in writing, with approval signoff of the Municipal Services Director or his designee.

Payment of each invoice shall automatically release any lien that the invoice may have provided against the City.

Payment will be made only for actual work performed and accepted in accordance with the contract.

Any scheduled item of work to be done and materials to be furnished may be increased, decreased, or omitted by the Municipal Services Director or his designee, and no claim for loss, anticipated profits, or costs incurred in anticipation of work not ultimately performed will be allowed due to such increase or decrease.

3.11 Safety:

All activities under this Contract shall be executed in accordance with all applicable Federal, State and Local safety regulations. All workers of the selected Contractor shall be properly trained in safe operation of tools and equipment assigned to them for their use and shall be provided with proper safety and protective gear.

EXHIBIT A

The following roads have been earmarked for ASPHALT MILL AND OVERLAY in 2021 to the extent available funding permits.

2-inch mill and 2.25-inch overlay

STREET NAME	SECTION LENGTH	WIDTH	PARAMETERS
MARLBORO	1430'	42'	WEST FULTON – HAIN RD.
WINSTON DRIVE	435'	40'	MARLBORO – EAST END
SALEM DRIVE	465'	40'	MARLBORO – EAST END
HERITAGE CT.	431'	35'	MARLBORO – EAST END
GEAR DRIVE	325'	40'	WEST FULTON – MARSHVIEW CT

**Asphalt Mill and Overlay Services
Bid Form**

Vendor Name _____
 Type of Company _____
 Street Address _____
 City, State Zip _____
 Phone _____ Email _____

A certificate of insurance will be required from the successful contractor prior to beginning work.

Signature _____ Attest _____

STREET NAME	LENGTH	WIDTH	PARAMETERS	LUMP SUM COST
MARLBORO	1430'	42'	WEST FULTON – HAIN RD.	
WINSTON DRIVE	435'	40'	MARLBORO – EAST END	
SALEM DRIVE	465'	40'	MARLBORO – EAST END	
HERITAGE CT.	431'	35'	MARLBORO – EAST END	
GEAR DRIVE	325'	40'	WEST FULTON – MARSHVIEW CT	
			TOTAL COST	

Printed Name _____ Title _____

Date _____

ASPHALT MILL AND OVERLAY REFERENCE SHEET

Municipality: _____ Contact: _____
Address: _____
City, State, Zip: _____
Telephone: _____ Fax: _____ E-Mail: _____

Municipality: _____ Contact: _____
Address: _____
City, State, Zip: _____
Telephone: _____ Fax: _____ E-Mail: _____

Municipality: _____ Contact: _____
Address: _____
City, State, Zip: _____
Telephone: _____ Fax: _____ E-Mail: _____