



**DANE COUNTY
DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION**

REQUEST FOR BID (RFB)

Revised 05/2021 (G/S)(HIGHWAY NO PREFS)

BID NUMBER: 121076

**BID TITLE: HMA Pavement – State
Projects**

**BID DEADLINE: September 24, 2021
2:00 p.m. (CST)**

**SUBMIT BID TO: Purchasing Bid Dropbox
www.danepurchasing.com**

Late, faxed, mailed, hand-delivered or unsigned bids will be rejected

**DIRECT
ALL INQUIRES
TO:**

Megan Rogan
Purchasing Officer
(608)283-1487
rogan.megan@countyofdane.com
www.danepurchasing.com

BID SUBMISSION CHECKLIST

- Update Vendor Registration
- Read Entire Bid Document

Completed Bid Packet (In PDF Format)

- Section 1 – Vendor Information
- Section 2 – Bid Specifications
- Section 3 – Price Proposal

- Upload Bid Response to Purchasing Bid Dropbox

VENDOR INFORMATION

VENDOR NAME: _____

Vendor Information (address below will be used to confirm Local Vendor Preference)			
Address			
City		County	
State		Zip+4	
Vendor Rep. Name		Telephone	
Title			
Email			
Dane County Vendor #			

Local Vendor Preference Does Not Apply To This Bid
(Reference General Guidelines #1.6)

Local Content Vendor Preference Does Not Apply To This Bid
(Reference General Guidelines #1.7)

Cooperative Purchasing (Reference General Guidelines #1.8)
<input type="checkbox"/> I <u>agree</u> to furnish the commodities or services of this bid to municipalities and state agencies.
<input type="checkbox"/> I <u>do not agree</u> to furnish the commodities or services of this bid to municipalities and state agencies.

Fair Labor Practice Certification (Reference General Guidelines #1.9)
<input type="checkbox"/> Vendor has not been found by the National Labor Relations Board (“NLRB”) or the Wisconsin Employment Relations Commission (“WERC”) to have violated any statute or regulation regarding labor standards or relations in the seven years prior to the date this bid submission is signed.
<input type="checkbox"/> Vendor has been found by the National Labor Relations Board (“NLRB”) or the Wisconsin Employment Relations Commission (“WERC”) to have violated any statute or regulation regarding labor standards or relations in the seven years prior to the date this bid submission is signed.

Addenda – we hereby acknowledge receipt, review and use of the following addenda, if applicable.				
<input type="checkbox"/> Addendum #1	<input type="checkbox"/> Addendum #2	<input type="checkbox"/> Addendum #3	<input type="checkbox"/> Addendum #4	<input type="checkbox"/> None

Signature Affidavit
In signing this bid, we certify that we have not, either directly or indirectly, entered into any agreement or participated in any collusion or otherwise taken any action in restraint of free competition; that no attempt has been made to induce any other person or firm to submit or not to submit a bid; that this bid has been independently arrived at without collusion with any other bidder, competitor or potential competitor; that this bid has not been knowingly disclosed prior to the opening of bids to any other bidder or competitor; that the above statement is accurate under penalty of perjury.
The undersigned, submitting this bid, hereby agrees with all the terms, conditions, and specifications required by the County in this Request for Bid, and declares that the attached bid and pricing are in conformity therewith.

Signature: _____

Title: _____

Printed Name: _____

Date: _____

BID AND SPECIFICATION OVERVIEW

Dane County as represented by the Purchasing Division will accept bids for the purchase of specified item(s) as described within this document.

Specification Compliance: Bidder shall complete every space in the area provided with either a check mark to indicate the item being bid is exactly as specified (**Yes**), or deviates from bid specification (**No**). Any deviation from the minimum specifications stated herein must be identified in detail in the Specifications Deviations section of the bid and must include a description of how the proposed item(s) differ from the bid requirements, along with detailed justification for such deviation. Bidder shall include photos and schematics as necessary, for complete clarification.

The specifications below describe an acceptable product. Minor variations in specification may be accepted if, in the opinion of County staff, they do not adversely affect the quality, maintenance or performance of the item(s). Dane County reserves the right to accept or reject any and all bids, to waive informalities and to choose the bid that best meets the specifications and needs of the County.

Term: The contract shall be effective on the date indicated on the Dane County purchase order or the Dane County contract execution date and shall run for one year from that date.

BID SPECIFICATIONS

Bid #121076 HMA Pavement – WisDOT Projects

Bids must be submitted on the attached RFB forms. Dane County reserves the right to accept or reject any and all bids submitted; and to accept such bids deemed to be in the best interest of the County. The bids will be reviewed initially to determine if requirements are met.

GENERAL

All work and materials supplied under this proposal shall conform to the Standard Specifications for Road and Bridge Construction, 2021 edition (hereinafter referred to as the "Standard Specifications"), and all subsequent revisions and supplementary specifications, of the Wisconsin Division of Highways, Department of Transportation.

The special provisions in this proposal shall supplement and take precedence over the Standard Specifications.

The Dane County Highway and Transportation Department, the issuer of this bid proposal, shall hereinafter be referred to as "the County". On certain projects, when specified on the schedule of prices, other municipalities or County agencies will be awarding and administering their own contract.

All projects included in this proposal are subject to available funds and budget restraints.

BID DEPOSIT/PERFORMANCE BOND

Each proposal must be accompanied by a certified or cashier's check payable to the Dane County Highway and Transportation Department, or by a bid bond, in the amount of 5% of the total amount bid. The bid bond can be uploaded electronically with the bid submission.

Successful bidders shall also furnish Dane County with a performance bond equal to 100% of the contracted amount (Wis. Statute 779.14).

INSURANCE

Bidders shall carry insurance as required in the Standard Terms and Conditions, Section 20. The bidder shall furnish Dane County Highway and Transportation Department along with the bid a certificate of insurance showing the type, amount, class of operations covered, effective dates, and expiration dates of policies.

CONTRACTOR QUALIFICATIONS

All contractors must meet the following requirements in order to bid:

1. Have proven experience in highway paving and be included on the Wisconsin Department of Transportation list of prequalified contractors.
2. Have equipment sufficient to produce, deliver, and pave 200 tons of asphaltic material per hour.
3. Paving machines shall conform to the requirements of Section 450 of the Standard Specifications and be equipped with automatic leveling devices in working order.
4. Paving machines shall have sufficient power, when paving widths of up to 16 feet, to maintain paving speed, alignment and grade.
5. Experienced operators are required on all equipment used in the production and laying of the asphaltic material.
6. The contractor shall provide to the County, upon request, a list of equipment to be used on these projects, along with certification as to capacities, etc.
7. The following Emerging Small Business (ESB) requirements apply for all individual projects totaling \$100,000 or more. The contractor(s) submitting the responsible low bid shall provide required Emerging Small Business (ESB) reports to the Dane County Contract Compliance Officer within 24 hours after bid opening. The Contract Compliance Officer can be contacted at (608) 266-5623 to obtain the required forms or if there are any questions regarding the ESB requirements. If, upon evaluation of any of the bids submitted for any project over \$100,000 the low bids bidder(s) are not awarded a contract, the next

Section 2 – Bid Specifications – Submit with Bid

lowest responsible bidder(s) shall submit the required ESB reports within 24 hours of notification by the Contract Compliance Officer.

NOTICE TO BEGIN WORK

The contractor is required to begin work within ten calendar days after official notice from the County. Liquidated damages of \$200 per weekday will be assessed for any delay after this notification to begin.

The contractor will notify the County **48 hours** in advance of beginning the project in order for the County to provide an inspector. An inspector may not be furnished if notice of starting work by the contractor is not given to the County prior to 3:00 p.m. of the preceding day for projects starting on Tuesday thru Friday, or prior to 3:00 p.m. on Friday for projects starting on Saturday thru Monday. Failure to notify the County could result in non-payment for that part of the work that is completed when an inspector is absent.

TERMINATION DATE

Asphaltic paving on these projects shall be terminated before November 15, 2021. Any work performed beyond that date will be only by permission of the County.

PRODUCTION

On certain projects, when specified on the schedule of prices, the contractor shall supply a minimum of 200 ton per hour of asphaltic material on a continuous basis to provide a reasonable rate of production. If the contractor falls below this rate, the County shall have the option of suspending work and liquidated damages of \$300 per day will be assessed until full production is resumed.

After the asphaltic paving has started, the contractor shall proceed to complete the project at the earliest possible date. If the contractor should determine it necessary to stop the paving operation, the contractor shall make a request to the County for permission to stop work. The request shall be received by the County at least 24 hours before the proposed time of work stoppage. The request shall specify the proposed date and time of work stoppage, the reason for stopping work, and the period of time before paving is to resume. If permission is granted to discontinue work, the same liquidated damages as noted above will apply to further delays beyond the agreed resumption date.

The above conditions apply to all work on projects covered under this proposal. Contractors or sub-contractors, whether performing paving, grinding, milling and shaping, or pulverizing, are expected to maintain normal progress. Normal progress is defined as that which is reasonable for the scope of work involved.

TRUCK ROUTES

Hauling of asphalt paving material shall be done using County Class "A" highways and State highways, where possible.

TRAFFIC CONTROL

The contractor will be responsible for all traffic control, including furnishing and maintaining all signs, flags, flag-persons, barricades and lights where required, to protect the safety of the traveling public, all in accordance with Section 643 of the Standard Specifications, and the Federal Highway Administration, Manual on Uniform Traffic Control Devices and its supplements. All work is to be done under traffic unless otherwise specified or allowed by the County.

REMOVING ASPHALT SURFACE MILLING, Item 204.0120

This work shall be in accordance with the requirements of Section 204 of the Standard Specifications, except as hereinafter amended.

- A. Description. In most cases, milling will involve at least one vertical "butt" joint in order to match existing pavement. Should topographic or other physical constraints prevent a milling machine from making a satisfactory straight line, vertical "butt" joint, the contractor shall provide all labor and equipment necessary to complete the joint by other means.

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- B. Construction Methods. When adjacent to an existing concrete gutter, the contractor shall "wedge" cut the existing pavement surface to a width as specified by the County.

The depth of the "wedge" cut shall be a minimum of 1 1/2 inches adjacent to the gutter and 1/8 inch on the outside edge towards the street centerline. The depth of cut shall be measured to the top of the ridges.

- C. Method of Measurement. Milling shall be measured by the square yard of pavement surface ground. Widths of grinding greater than designated by the County shall be at the contractor's expense.
- D. Basis of Payment. Milling will be paid for at the contract unit price bid for grinding, and shall be full compensation for grinding the existing pavement surface, constructing vertical butt joints, for wedging utility castings after grinding, for street cleaning, and for all equipment, tools, labor, and incidentals necessary to complete the work in accordance with this contract.

HMA PAVEMENT – ITEMS 460.5000 THRU 460.8999

- A. Description. Materials covered under this provision shall conform to the State of Wisconsin, Department of Transportation's specifications for each "Type" mix.

The contractor will be responsible for providing mix design(s) and for testing required to insure uniformity of mix and adequacy of compaction. A mix design must be submitted to the County for approval a minimum of 2 weeks prior to the start of paving. In no case will paving be allowed to begin until the County is in receipt of said mix design(s).

Section 460.2.1 Replace the entire text with the following:

- (1) Furnish a homogeneous mixture of coarse aggregate, fine aggregate, mineral filler if required, SMA stabilizer if required, recycled material if used, warm mix asphalt additive or process if used, and asphaltic material. Design mixtures conforming to table 460-1 and table 460-2 to 4.0% air voids to establish the aggregate structure.
- (2) Determine the target JMF asphalt binder content for production from the mix design data corresponding to 3.0% air voids (97% Gmm) target at the design the number of gyrations (Ndes). Add liquid asphalt to achieve the required air voids at Ndes.
- (3) For SMA, determine the target JMF asphalt binder content for production from the mix design data corresponding to 4.0% air voids (96% Gmm) target at Ndes.

- B. Method of Measurement. Payment will be made only for supplied material accompanied by a ticket containing the following information:

1. Ticket number, date, and time
2. Type of material
3. Gross and net weights

A copy of the tickets will be given to the County inspector on the job site.

- C. Basis of Payment. HMA Pavement bid item is full compensation for providing HMA pavement including binder, accepted as stated above, compacted in place and shall include all work necessary to provide quality management programs in accordance with QMP Management Program (QMP) listed below.

Partial payments will be made no sooner than monthly by the County as the work proceeds. Final payment will be withheld until final acceptance is made by the County.

- D. Acceptance. Final acceptance of all asphaltic mixes shall be based primarily on the overall quality of finished pavement, compacted densities, the quality of workmanship and QMP documentation. QMP Documentation must be turned into the County before final acceptance. Documentation of the contractor's quality management program are definite factors in determining final acceptance, however

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the County reserves the right to reject any pavement on the basis of an obvious inconsistency, poor appearance, or poor ride.

QUALITY MANAGEMENT PROGRAM (QMP)

A. Description. The provisions of WisDOT Specification 460.2.8 (QMP) are removed from these specifications and replaced with the Specifications listed under field quality control.

B. Field Quality Control:

1. The Contractor is required to maintain an in-house Quality Control Program. Contractor personnel must be qualified per section 8-36 of the WisDOT Construction and Materials Manual to run this program. The engineer shall implement a Quality Assurance Program to reasonably assure that the specification are adhered to. The Contractor shall notify the Engineer of Work stages as they progress. The presence or absence of inspection or field observations shall not relieve the Contractor from inherent responsibility to conform to the specifications.

i. The contractor shall submit a proposed Job Mix Formula (JMF) for the Engineer's review at a minimum of 2 weeks prior to paving. The JMF shall be based on properties as specified by the Project's Detailed Specifications.

ii. A WisDOT HTCP Certified Mix Design Technician shall sign the JMF. If certified personnel are not available, a Professional Engineer shall sign the above statement.

iii. Mix designs must be preapproved by the Wisconsin Department of Transportation.

iv. The Contractor shall take samples under their Quality Control Program. For each mix produced, the contractor will sample and test as per the frequency requirements listed in the materials section of the QMP specifications. Each sample shall be tested for gradation and air voids. The average of all tests shall comply with the following specifications when compared to the JMF:

25.0 mm	+/-	6.0%
19.0 mm	+/-	5.0%
12.5 mm	+/-	5.0%
9.5 mm	+/-	5.0%
2.36 mm	+/-	5.0%
75 µm	+/-	2.0%
Asphaltic Content	+/-	0.3%
Air Voids	+/-	1.3%
VMA ²	+/-	0.5%

² VMA limits based on minimum requirement for mix design nominal maximum aggregate size in table 460-1.

2. For each mix produced, the contractor shall submit one Asphalt Binder sample to be tested for compliance. This sample shall be in a one quart can and clearly labeled.
3. Testing Agency: Contractor shall engage qualified testing agency to perform density tests.
4. Thickness: In place compacted thickness of hot-mix asphalt courses will be checked by Engineer.
5. Surface Smoothness: Finished surface of each hot-mix asphalt course will be observed by Engineer for compliance with smoothness tolerances.
6. In-Place Density: Testing agency will determine density using nuclear density methods.
 - a. Testing shall be performed the day of placement.

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- b. There shall be a minimum of five density tests for every 500 tons placed. The five tests should be taken across the mat at given location as may be designated by the Engineer. The average of these five tests shall meet the minimum required density conforming to Table 460-3 of the WisDOT Specifications ASP-6.

TABLE 460-3 MINIMUM REQUIRED DENSITY^[1]

Location	Layer	Percent of Target Maximum Density		
		Mixture Type		
		LT and MT	HT	SMA
Traffic Lanes [2]	Lower	93.0 [3]	93.0 [4]	[5]
	Upper	93.0	93.0	[5]
Side Roads, Crossovers, Turn Lanes & Ramps	Lower	93.0 [3]	93.0 [4]	[5]
	Upper	93.0	93.0	[5]
Shoulders and Appurtenances	Lower	91.0	91.0	[5]
	Upper	92.0	92.0	[5]

[1] The table values are for average lot density. If any individual density test result falls more than 3.0 percent below the minimum required target maximum density, the engineer may investigate the acceptability of that material.

[2] Includes parking lanes as determined by the engineer.

[3] Minimum reduced by 2.0 percent for a lower layer constructed directly on crushed aggregate or recycled base courses.

[4] Minimum reduced by 1.0 percent for a lower layer constructed directly on crushed aggregate or recycled base courses.

[5] The minimum required densities for SMA mixtures are determined according to CMM-8-15.

- c. Density tests will not be performed on leveling (scratch) courses.

7. Mixtures with failing densities will be accepted and paid for as provided in WisDOT Section 460.5.2.2.
8. Materials: The Contractor will randomly take samples of the delivered asphalt mix to be tested for compliance with the mix design.
- Frequency of Testing. Daily sampling is required per each range of tonnage placed: 50-600 TN; 601-1,500 TN; 1,501-2,700 TN; 2,701-4200 TN.
 - Asphalt sample(s) to be tested for asphalt content, gradation, Bulk Specific Gravity (Gmb), Maximum Specific Gravity (Gmm), Air Voids (VA), Voids in Mineral Aggregates (VMA), and Percent Binder (Pb%).
9. Materials: The Contractor will randomly take samples of the delivered asphalt binder to be tested for compliance with the mix design. The Contractor will take one test at a minimum one test per mix; testing for penetration and viscosity.

- C. **Basis of Payment:** The contractor (bidder) shall include the Quality Management Program in the unit bid price for the asphaltic mixture. Said bid price shall be full compensation for all work herein specified and for all labor, tools, equipment, sampling, testing, record keeping and incidentals necessary to complete the work. A copy of all testing records shall be submitted to the County at the completion of paving operations. Testing records may be submitted as hard copies or electronically.

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- D. Acceptance. Final acceptance of all asphaltic mixes shall be based primarily on the overall quality of finished pavement, compacted densities, and the quality of workmanship. Documentation of the contractor's quality management program are definite factors in determining final acceptance, however the County reserves the right to reject any pavement on the basis of an obvious inconsistency, poor appearance, or poor ride.

BID SPECIFICATIONS

Individual Project Description and Specifications

US 12 pavement repair over box culvert 1750 feet east of CTH KP – Town of Roxbury

This project is to place HMA pavement as indicated below for pavement repair:

Replace pavement at the box culvert on US 12 approximately 1750 feet east of CTH KP in NW Dane Co. and as shown on the attached drawing. The damaged concrete pavement will be sawcut and removed by Dane County Highway, and base course material will be added, compacted and prepped for asphalt. Contractor will be responsible for providing and placing approximately 6 inches (234 tons) of HMA 4 MT 58-28 S in 3 equal lifts. The combined area of the 4 rectangles is approx. 706 SY. Dane County Highway will be responsible for traffic control. The work will need to take place during the daytime and be completed in 1 day, or the work area filled in to ensure no > 2” drop-offs overnight.

BID SPECIFICATIONS

Individual Project Description and Specifications

US 18/151 pavement repair for WB off ramp to CTH PB – City of Verona

This project is to place HMA pavement as indicated below for pavement repair:

Overlay thin (1/2") layer of HMA 5 LT ("skinny mix") with specs as shown in attachment on the WB exit ramp from US 18/151 to CTH PB near Verona. The area to be repaired is approximately 340' by 24' (907 SY to be marked by Dane Co. Highway) and will require approximately 35 tons of HMA. Contractor is also responsible for prep work and traffic control, which will require nighttime full closures.

BID SPECIFICATIONS

Individual Project Description and Specifications

IH 39 SB to IH 94 EB ramp over CTH T (B-13-450) pavement repair – City of Madison

This project is to place HMA pavement as indicated below for pavement repair:

Mill 2" from both ends of the bridge, both lanes and both shoulders, one lane at a time and 75 feet long on each side. Dane Co. Highway will mark areas. Contractor will be responsible for providing and placing approximately 2 inches (73 tons) of HMA 4 MT 58-28 H. The combined area of both ends of the bridge is approx. 635 SY. The Contractor will also be responsible for traffic control. Daytime work is allowed morning¹ – 2 pm M-F, one lane at a time.

¹ Off-peak hours, approx. 8:30/9:00 am

SPECIFICATION DEVIATIONS

Check One:

- No deviations from bid specifications
- Deviations from the bid specifications are present – see list below

Item #

Deviation Explanation

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PRICE PROPOSAL

VENDOR NAME: _____

Pricing shall be inclusive of all labor, delivery costs and other expenses necessary to provide product in accordance with the specifications and terms and conditions of this bid document and your proposal.

US 12 pavement repair over box culvert 1750 feet east of CTH KP – Town of Roxbury

#	Item #	Approx. Quantity		Item	Unit Price	Total Price
1	455.0605	71	GAL	TACK COAT	\$	\$
2	460.6224	234	TON	HMA PAVEMENT 4 MT 58-28 S	\$	\$
	TOTAL BID					\$

PRICE PROPOSAL

VENDOR NAME: _____

Pricing shall be inclusive of all labor, delivery costs and other expenses necessary to provide product in accordance with the specifications and terms and conditions of this bid document and your proposal.

US 18/151 pavement repair for WB off ramp to CTH PB – City of Verona

#	Item #	Approx. Quantity		Item	Unit Price	Total Price
3	455.0605	46	GAL	TACK COAT	\$	\$
4	460.5225	35	TON	HMA PAVEMENT 5 LT 58-28 S	\$	\$
5	643.5000	1	EACH	TRAFFIC CONTROL	\$	\$
	TOTAL BID					\$

PRICE PROPOSAL

VENDOR NAME: _____

Pricing shall be inclusive of all labor, delivery costs and other expenses necessary to provide product in accordance with the specifications and terms and conditions of this bid document and your proposal.

IH 39 SB to IH 94 EB ramp over CTH T (B-13-450) pavement repair – City of Madison

#	Item #	Approx. Quantity		Item	Unit Price	Total Price
6	204.0120	635	SY	REMOVE ASPHALTIC SURFACE MILLING	\$	\$
7	455.0605	32	GAL	TACK COAT	\$	\$
8	460.6424	73	TON	HMA PAVEMENT 4 MT 58-28 H	\$	\$
9	643.5000	1	EACH	TRAFFIC CONTROL	\$	\$
TOTAL BID						\$