

Specifications for Asphalt and Stone Materials 2021

The Champaign County Commissioners will receive bids on **April 8, 2021 until 9:00 A.M.** via BidExpress for liquid asphalt and patching material. Bids shall be accompanied by a bid bond, certified check or cashier's check in the amount of five percent (5%) of the bid. Following are estimated quantities:

1. **CM150 Bituminous Material** – Bituminous material to be used shall meet the specifications shown in Table 1 or equivalent.

Table 2: Specifications for Multigrade Cold Mix Asphalt	
Method of Test	CM-150
Modified Kopper Vacuum Viscosity, 25 ⁰ C, ASTM D 4957	800 – 10,000 P
Flash Point. Tag Flash Point, ASTM D 3143-98	65.5 ⁰ C (min)
Water in Petroleum, ASTM D 95-05	1.0% (max)
Cut-Back Distillation, ASTM D 402-02 Distillate, % by Volume of Total Distillate to 360 ⁰ : to 225 ⁰ C to 260 ⁰ C to 315.5 ⁰ C Residue from Distillation to 360 ⁰ C	0 – 3% by Vol 0 – 3% by Vol 40 – 80% by Vol 85% (min)
Test on Residue from Distillation, ASTM D 402	
Penetration, 25 ⁰ C, 100 g, 5 sec. ASTM D 5-05a	150 – 250 dmm
Solubility in Trichloroethylene, ASTM D 2042-01	99.0% (min)
Softening Point, ASTM D 36-95	73.8 ⁰ C (min)
Float Test, 60 ⁰ C, ASTM D 139-95	1200 sec (min)

The asphalt binder shall be delivered to point of production at a minimum temperature of 250⁰ F.

Mobilization to state route 560 stock pile location shall be included in the unit price.

2. Cold Constructed Asphalt. Typical application rate of bituminous material shall be approximately 4.5% by weight +/- 5%, depending on the aggregate gradation, moisture content and temperature. The final percent by weight shall be determined by the Project Engineer or owners Representative at the time of production.

Mixing Plant; The mixing unit shall have as a minimum two (2) 6-cubic yard capacity hoppers with oversize screening and vibrators on the hopper walls to assist in the free flow of material. The proportioning of materials shall be controlled by means of mechanically adjustable gate valves at the point of discharge to a variable speed belt conveyor, equipped with a belt scale for continuous weighting of the aggregate. The aggregate belt scale shall be coupled/interlocked with two microprocessor controlled systems, complete with two

independent pumping systems and spray bars, to regulate the application of bituminous material.

The mixing unit shall be an on-board completely self-contained counter rotating twin shaft pug mill. A metering device shall be capable of automatically adjusting the flow of bituminous material to compensate for any variation in the weight of the aggregate introduced into the pug mill. Bituminous material shall be metered by weight of aggregate using a mass flow, Coriolis Effect, type meter that will accurately measure the amount to within 0.5 percent of the amount required by the JMF or as adjusted by the Engineer.

Control of the plant shall be fully automatic via the microprocessors. Control functions shall include: batch production, automatic plant startup, monitoring of individual drive systems, warning signals in case of material shortage, monitoring of filling leveling, temperatures and pressures, pre-selection of tonnage, automatic plant shut down. A current setting of the mixing unit shall be continuously displayed.

The Contractor shall be required to assure complete coating of the blended aggregate with the Multigrade Cold Mix Asphalt Binder and any remixing through the pug mill or by manipulation of stockpiled material shall be considered acceptable.

Mobilization to stock pile locations shall be included in the unit price.

560 Stock Pile - Across from 1045 State Route 560, Urbana, OH 43078

The county engineer will provide two wheeled loaders and employees to load the mixing plant and stockpile the processed material during weekdays 8 am-3:30 pm. The awarded bidder shall contact the Engineer's office to determine the scheduled processing time prior to May 1, 2021 to process the material. **Material shall be completed by May 14, 2021.**

Payment of this item will be tons of material processed based on the gallons of CM-150 used at 12 gallons per ton.

3. 275,000 gallons more or less of RS-2 emulsified asphalt. Material shall be furnished from insulated storage trailers and insulated transports. Bidder shall furnish an insulated trailer of sufficient capacity to contain a minimum of one transport load. The trailer to be located in County Engineer's yard. The cost and responsibility of this storage trailer are part of this bid item. Material will also be furnished to designated locations in the county in insulated transports capable of pumping material on or off. Maximum demand will be 24,000 gallons per day. There will be no minimum. The bidder will pay any demurrage for transports.
4. Alternate 275,000 gallons more or less of HFRS-2P emulsified asphalt. Material shall be furnished from insulated storage trailers and insulated transports. Material shall meet State of Ohio Department of Transportation 702.16 for Type A polymer asphalt emulsion.

Bidder shall furnish an insulated trailer of sufficient capacity to contain a minimum of one transport load. The trailer to be located in County Engineer's yard. The cost and responsibility of this storage trailer are part of this bid item. Material will also be furnished to designated locations in the county in insulated transports capable of pumping material on or off. Maximum demand will be 24,000 gallons per day. There will be no minimum. The bidder will pay any demurrage for transports. Material shall be constructed by May 14, 2021

5. Fog Seal: A fog seal emulsion that is designed to be quick setting and provide a quick return to traffic when used and applied according to guidelines and specification. A typical application will allow a return to traffic in most cases within 15 to 30 minutes under normal conditions. **ALL** asphalt emulsions are affected by atmospheric conditions including humidity, sun, clouds and temperature which may vary break and set times.

Specification

Test Parameter on Emulsion	Test Method	Specification
Viscosity, Saybolt Furol, 25°C, sec.	AASHTO T 72	10 - 100
Sieve, % max.	AASHTO T 59	0.3
Residue by Distillation, %	AASHTO T 59	30 - 40
Oil Distillate, Volume % max.	AASHTO T 59	1
Test on Emulsion Residue		
Penetration, 25°C, 100g, 5 sec, dmm max	AASHTO T 49	75
Solubility in TCE, % min.	AASHTO T 44	97.5

6. Crushed No. 8 Aggregate meeting the specifications of Item 422.02 of the ODOT 2019 Construction and Material Specifications. Material shall be delivered to the following location no later than **May 1, 2021**:

560 Stock Pile - Across from 1045 State Route 560, Urbana, OH 43078

7. Crushed No. 8 Aggregate meeting the specifications of Item 422.02 of the ODOT 2019 Construction and Material Specifications. Material shall be delivered to the following location no later than **May 21, 2021**:

Woodstock Stock Pile - Across from 10697 Urbana-Woodstock Pike, Woodstock, OH 43084

8. Crushed No. 8 Aggregate meeting the specifications of Item 422.02 of the ODOT 2019 Construction and Material Specifications. Material shall be delivered to the following location no later than **May 21, 2021**:

Snyder Stock Pile - 10882 East St Rt 29, Mechanicsburg, OH 43044

9. Crushed No. 8 Aggregate meeting the specifications of Item 422.02 of the ODOT 2019 Construction and Material Specifications. Material shall be delivered to the following location no later than **May 21, 2021**:

US 68 Stock Pile - 2506 South US 68, Urbana, OH 43078

10. Crushed No. 8 Aggregate meeting the specifications of Item 422.02 of the ODOT 2019 Construction and Material Specifications. Material shall be delivered to the following location no later than **May 21, 2021**:

Mingo Stock Pile - 6496 Stevenson Road, Cable, OH 43009

11. Crushed No. 8 Aggregate meeting the specifications of Item 422.02 of the ODOT 2019 Construction and Material Specifications. Material shall be delivered to the following location no later than **May 21, 2021**:

North Lewisburg Stock Pile - 145 East St, North Lewisburg, OH 43060

12. Crushed No. 8 Aggregate meeting the specifications of Item 422.02 of the ODOT 2019 Construction and Material Specifications. Material shall be delivered to the following location no later than **May 21, 2021**:

Inskeep Stock Pile - 3622 Inskeep Road, Cable, OH 43009

13. Crushed No. 8 Aggregate meeting the specifications of Item 422.02 of the ODOT 2019 Construction and Material Specifications. Material shall be delivered to the following location no later than **May 21, 2021**:

Morgan Stock Pile - 1631 Kennard Kingscreek, Urbana, OH 43078

14. Crushed No. 9 Aggregate meeting the specifications of Item 422.02 of the ODOT 2019 Construction and Material Specifications. Material shall be delivered to the following location no later than **July 1, 2021**:

Heck Hill Stock Pile - Across from 2108 N. Heck Hill, St. Paris, OH 43072

15. 300 tons more or less of SS 921 patching material FOB county trucks. Bidder shall state location of plant furnishing this material.

Delivery of materials shall be made to the stockpile locations prior to list date. Payment for this item will be tons of material delivered. Weight tickets will be provided.

The County Engineer's forces will make every effort to cooperate with the successful bidder concerning scheduling requirements. However, performance under this contract will be evaluated based on the most efficient working arrangement for the county forces.

Commissioners may, at their option, make separate awards for each bid item.

The Board of County Commissioners reserves the right to reject one, several or all bids.

It is intended that delivery of the RS2 or RS2P emulsified asphalt bid material will be between May 19, 2021 and May 18, 2022 unless it is terminated for poor performance or extended by mutual agreement.

Every effort will be made to make the award within one week.

Full transports intended for other government agencies will be billed directly to that agency. Contact information and invoice should be remitted to:

Township	Fiscal Officer	Address	City, State, Zip	Phone Number	Email
Goshen	Chris Foss	132 Walnut St	Mechanicsburg, Oh 43044	937-834-3201	chris@cfosscpa.com
Rush	Kathy Packman	PO Box 432	North Lewisburg Oh 43060	937-747-3892	packmankathy@gmail.com
Wayne	Susan Helterbran	PO 45	Cable Oh 43009	937-925-3474	helterbran4@hotmail.com
Mechanicsburg	April Huggins Davis	18 N Main St	Mechanicsburg, Oh 43044	937-834-3188	aprilhugginsdavis@bizwoh.rr.com
Salem	Jeanie Crabtree	3293 Clark Road	Urbana Oh 43078	937-652-3030	crabs4@ctcn.net
Mad River	Richard Ford	2773 Vance Road	St. Paris, Oh 43072	937-215-7660	rford@madrivertwp.org
Urbana	Ruth Rooney	1074 W. Hickory Grove Road	Urbana, Oh 43078	937-484-3051	ruthtpw@ctcn.net

All other invoices will be remitted to:

**Champaign County Engineer
PO Box 669
Urbana, Oh 43078**

If a bid bond is provided, the name and address of the surety company and agent must be provided on the enclosed form.

An award will not be made to any bidder, including the lowest and best bidder or the lowest responsive and responsible bidder against whom a finding for recovery has been issued by the Ohio Auditor of State, if the finding for recovery is unresolved, as provided in Section 9.24 of the Ohio Revised Code, whether or not it is clear that any funds used in this project could be deemed to be 'state funds.' A bidder with an unresolved finding for recovered shall be deemed not a best bid or not a responsible bid.

Affidavit of Compliance with O.R.C. 3517.13: Ohio Revised Code Section 3517.13(I)(3) and (J)(3) requires that no agency or department of this state or any political subdivision shall enter into any contract for the purchase of goods costing more than five hundred dollars or services costing more than five hundred dollars with a corporation, individual, partnership or other association organized under Chapter 1785 of the Revised Code, estate, or trust unless the contract includes a certification that the individuals named in Revised Code Sections 3517.13(I)(1) and (J)(1) are in compliance with the aforementioned provisions. The offeror is required to complete the attached AFFIDAVIT OF COMPLIANCE WITH OHIO REVISED CODE SECTION 3517.13. Failure to submit the required affidavit with the proposal/bid pack will deem the offeror's response to be non-responsive and disqualified from receiving further consideration.

LEGAL NOTICE

Bids will be received by the Champaign County Commissioners via Bid Express (bidexpress.com) until April 8th, 2021 at 9:00am for Asphalt and Stone Materials 2021. Bids shall be accompanied by a bid bond, certified check, or cashier's check, for five percent of the bid.

Bids shall be submitted through Bid Express for the solicitation titled "2021 Specifications for Asphalt and Stone Materials". The Board of Commissioners reserves the right to reject any or all bids.

Board of Commissioners
Champaign County, Ohio

By:

Stephen McCall P.E., P.S.

Bid Form
2021 Asphalt and Stone Materials
Champaign County, Ohio

Each item can be awarded individually to lowest and best bidder

Item	Quantity	Unit	Description	Unit Price	Extension
1	40,800	Gal	CM-150 Bituminous Material		
2	3,778	Tons	Cold Constructed Asphalt		
3	275,000+/-	Gal	RS-2 emulsified asphalt. (delivered)		
4	275,000+/-	Gal	HFRS-2P (delivered)		
5	33,000+/-	Gal	Quick Set Fog Seal		
6	4420	Tons	Crushed No. 8 Aggregate delivered to 560 Stock Pile		
7	850	Tons	Crushed No. 8 Aggregate delivered to Woodstock Stock Pile		
8	1300	Tons	Crushed No. 8 Aggregate delivered to Snyder Stock Pile		
9	500	Tons	Crushed No. 8 Aggregate delivered to US 68 Stock Pile		
10	550	Tons	Crushed No. 8 Aggregate delivered to Mingo Stock Pile		
11	130	Tons	Crushed No. 8 Aggregate delivered to North Lewisburg Stock Pile		
12	1000	Tons	Crushed No. 8 Aggregate delivered to Inskeep Stock Pile		
13	2300	Tons	Crushed No. 8 Aggregate Delivered to Morgan Stock Pile		
14	240	Tons	Crushed No. 9 Aggregate delivered to Heck Hill Stock Pile		
15	300	Tons	SS921 Patching Material FOB County Trucks		

Notice to Bidders

It is requested that all prospective bidders return this form as soon as they receive the project, materials or equipment specifications.

Re: Asphalt and Stone Materials

We have received the specifications and intend to respond as follows:

_____ We are interested and intend to bid on this project.

_____ We do not intend to bid on this project, but would like to receive invitations on similar future projects.

_____ We would like to be taken off your bidders list.

Company: _____

Address: _____

Contact: _____

Phone: _____ Fax: _____

E-Mail Address: _____

Please fax this completed form to us at (937)653-3172.

BOND INFORMATION

Surety Company: _____

Address: _____

City, State, Zip: _____

Phone: _____

Agent: _____

Address: _____

City, State, Zip: _____

Phone: _____

**AFFIDAVIT
OF COMPLIANCE WITH OHIO REVISED CODE SECTION 3517.13
(POLITICAL CONTRIBUTIONS)**

STATE OF _____

COUNTY OF _____ SS:

I _____, being duly sworn, depose and state as follows:
(Name)

1.) I am duly authorized to make the statements contained herein on behalf of
_____ ("The Contracting Party").

2.) The Contracting Party is a/an (select one):

- Individual, partnership, or other unincorporated business association (including, without limitation, a professional association organized under Ohio Revised Code Chapter 1785), estate, or trust.
- Corporation organized and existing under the laws of the State of _____.
- Labor organization

3.) I hereby affirm that the Contracting Party and each of the individuals specified in R.C. 3517.13 (I) (3) (with respect to non-corporate entities and labor organizations) or R.C. 3517.13 (J) (3) (with respect to corporations) are in full compliance with the political contribution limitations set forth in R.C. 13 (I) and (J), as applicable.

4.) I understand that a false representation on this certification constitutes a felony of the fifth degree pursuant to R.C. 3517.13 (AA) and 3517.992(R)(3).

Affiant further sayeth naught

By _____
(Signature)

Title _____

SWORN TO BEFORE ME and subscribed in my presence this _____ day of _____, 20_____.

Notary Public

My Commission Expires _____

SEAL