

## **Specifications for Cold Constructed Asphalt Material Placed on Various County and Township Roads**

Bids will be received by the Champaign County Commissioners for the project titled "**2020 Cold Constructed Material Placed**" via **Bid Express** until **9:00 A.M., April 21, 2020** for the installation of a cold mix overlay on various roads in Champaign County, Ohio. The materials will be provided by the County. Bids shall be accompanied by a bid guaranty bond in the amount of 100% of the bid or a certified check, cashier's check or letter of credit in the amount of 10% of the bid in accordance with ORC 153.54.

### General Conditions

Scope: This work shall consist of providing all labor, equipment, transportation and incidentals required to place a Cold Constructed Asphalt (CCAP) according to the requirements set forth within these specifications and plans. The extent of the project will correspond with the limits as provided with the plan schematic included with this project.

The work consists of, and the contractor will be paid for: planing pavement at intersecting roadways including butt joints, applying a cold constructed asphalt material provided by the County, and traffic control.

Supervision: Work shall be performed under the supervision of the County Engineer or his designated representative. Determination of the methods to be used to obtain the specified results, direction of the contractor's employees and operation of equipment shall rest with the contractor.

Safety: The contractor shall operate in a safe manner at all times. Equipment shall be in good operating condition with all guards and protective devices in place and in working condition. Items such as steps, walkways and railings shall be in good condition. Personal safety equipment shall be furnished and issued by the contractor as required. He shall further see to it that this equipment is used and that his employees work in a safe manner. The Champaign County Engineer's Safety Policy Manual shall apply to this project. The Contractor will be required to sign the provided Acknowledgment/agreement form.

Liability: The Contractor shall carry Workman's Compensation, public liability, personal liability, and property damage insurance. The Contractor shall furnish satisfactory evidence of insurance coverage to the maximum extent of \$5,500,000.00 bodily injury and \$5,100,000.00 property damage to insure adequate payment for any damage caused by their operations.

Tax payment: The Contractor shall furnish a statement regarding personal property tax, on the provided form, in accordance with section 5719.042 O.R.C.

Bid and Performance Bonds: Bids shall be accompanied by a bid guaranty bond in the amount of 100% of the bid or a certified check, cashier's check, or letter of credit in the amount of 10% of the bid in accordance with section 153.54 O.R.C. If a certified check, cashier's check or letter of credit is submitted with the bid, then the successful bidder will be required to provide a performance bond in the amount of 100% of the bid at the time the contract is signed. The address and telephone number of the bonding company and agent must be included with all bid guaranty bonds and performance bonds.

Wages: This job is subject to Ohio prevailing wage rates which are part of these specifications. Wage rates can be viewed at the State of Ohio Department of Commerce web site.

Contractor Qualifications: Bids are solicited only from contractors qualified to perform this type of work and who have successfully complete similar work. The successful bidder shall furnish evidence of his ability to perform this type of work.

Materials Testing: All materials used in this work are subject to testing for compliance with the specifications. Tests will be performed at the County's option and expense. The contractor will cooperate to the extent necessary in supplying the requested samples or making the material available.

Asphalt Binder Price Adjustment: Section 401.20 will not apply to these specifications. No placing index factor will be applied to adjust the price for asphalt binders.

Sub-contracting: The contractor shall not sub-contract more than 40% of the dollar value of the project. If the contractor intends to use sub-contractors, they shall be named on the bid along with the work it is intended for them to perform. They shall be subject to the same qualification requirements as the contractor. The contractor shall be responsible for all actions and performance by his sub-contractors including the payment of prevailing wages and the submission of payrolls.

Work Dates: Work shall not commence prior to July 16, 2020 and be completed and the road opened to traffic by **August 21, 2020**. In accordance with Sections 108.06, 108.07, 108.08, 108.09 and 108.10 liquidated damages in the amount of \$500.00 per day will be assessed for each calendar day the project is not completed. However, all asphalt must be placed in conformance with weather limitations of 401.05.

Termination of Contract: The County Engineer may terminate the contract for the convenience of the County at any time. The Engineer may, by written instruction to the contractor, decrease or increase the quantity of any item or portions of a contract, and the Engineer shall authorize payment to the contractor for the reasonable cost incurred, in connection with such item or portions, prior to the date of such decrease or cancellation made by order of the Engineer.

Finding for Recovery: 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 recovery 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.

## Specifications

Item numbers refer to ODOT Construction and Material Specifications dated January 1, 2019. These specifications will cover the work unless otherwise noted.

### 1. **SPECIAL - Cold Constructed Asphalt Material -**

**Description.** This work shall consist of providing all labor, equipment, transportation and incidentals required to place a Cold Constructed Asphalt (CCAP) according to the requirements set forth within these specifications and plans.

**Composition.** Nos. 8 or 9 size aggregate for the mixture as specified. Use No. 9 aggregate or screenings for the choke aggregate as specified. **The Cold Constructed Asphalt material will be provided by the Owner in a stockpile at locations described in the plans.** The choke aggregate shall be provided by the Contractor.

The choke aggregate shall be of a gradation that will fill surface voids without excess, the Engineer may adjust the estimated quantity of the choke aggregate. Contractor shall submit to the Engineer at the preconstruction meeting or a minimum of 2 weeks prior to the start of the paving operation a list showing the material and supplier proposed for the choke aggregate for approval by the Engineer.

The use of any recycled materials, recycled aggregates, crushed concrete, slag aggregates or reclaimed asphalt pavement will not be allowed for use for the choke aggregate.

**Material.** Material to be used for pavement overlay will be provided by the Owner. This material will be stockpiled at various locations within the county. The volume of material stockpiled shall be sufficient to complete the project as outlined in the specifications and plans. It is the Contractors responsibility to control the stockpiled material during the loading, hauling and laydown operations in such a manner to minimize waste of the stockpiled material. Should the Contractor feel that there is insufficient material to complete the project as outlined in the specifications and plans it is his responsibility to notify the Owner as soon as the shortage is realized.

**Weather Limitation.** Do not place Cold Constructed Asphalt Pavement under the following conditions: when the existing surface has standing water or is saturated, when the air temperature is below 60<sup>0</sup> F or when weather conditions otherwise prevents proper handling, finishing of the CCAP mixture.

**Test Strip and Start Up Procedures.** During the first day of laydown operations, the Contractor shall construct a test strip a single lane wide, 500 feet in length, on the project. The Contractor shall use this to demonstrate that the material, workmanship,

equipment and processes proposed will produce a stable CCAP layer that conforms to the requirements of the project specifications without rutting or deformation under traffic.

Should the test strip be accepted by the Engineer, the Contractor may continue with the paving that day. Should the test strip fail, the Contractor and the Engineer shall determine the best plan to correct the deficiencies in the test strip and correct the paving operation moving forward. The Contractor will be required to perform another test strip with the recommended corrections and have that approved by the Engineer before continuing with paving operation.

Any and all cost incurred by the Contractor for a failed test strip, this includes any corrective actions up to and including complete removal and replacement shall be the sole responsibility of the Contractor and no additional compensation will be given by the Owner Agency.

**Hauling.** Hauling of the CCAP mixture shall be done using trucks that conform to ODOT Construction and Materials specification 401.11.

**Bituminous Paver.** The CCAP material shall be spread using a self-propelled paver having electronic grade and cross slope controls for the screed. The equipment shall be of sufficient size and power (170 hp) to spread the CCAP material in one continuous pass, without segregation, to the lines and grades established in the Plans.

Handwork of CCAP Material shall be minimized and care shall be taken to prevent segregation. The wings of the paver shall be emptied regularly to prevent buildup and to minimize segregation.

**Rollers.** The CCAP material shall be compacted using a minimum 10-ton static dual drum steel roller. The material shall be initially rolled in 2 passes, up and back, to seat the mat. The choke material shall be rolled into the CCAP mat using a minimum 10-ton static dual drum steel roller. The mat will then be rolled with an additional pass after the surface choke stone has been applied.

**Conditioning of the Existing Surface.** Clean the surface on which the CCAP material is to be placed, and keep it free of accumulations of materials that would, in the judgment of the Engineer, contaminate the mixture, prevent bonding, or interfere with spreading operations. Where approved subgrade or pavement courses previously constructed under the Contract become loosened, rutted, or otherwise defective, correct the deficiency according to the contract item or items involved before the spreading of a subsequent pavement course.

**Spreading, Finishing and Surface Tolerances.** Spread and finish the CCAP material to the lines and grades shown on the plans.

Immediately following the initial rolling, apply the choke aggregate uniformly at 12 lbs/sq yd with an adjustable, hopper equipped, revolving drum type spreader at the specified rate or by equipment and methods approved by the Engineer. Choke aggregate will be immediately rolled in with a minimum 10-ton static dual drum steel roller.

Should the placed mat show signs of rutting or deformation, the Contractor shall be required to re-roll and/or rework the surface and repair any surface issues caused by traffic as well as the Contractors operations. This includes shoulder placement and driveway approach construction. The Contractor shall be responsible for maintaining the condition of the pavement until final acceptance has been given by the Owner Agency.

The placed CCAP material shall meet the surface tolerances specified in 401.19. The variation of the surface from the testing edge of the 10 foot straightedge shall not exceed 3/8 inch.

**Joints.** Where the CCAP material is to match into an existing HMA or Concrete driveway, cross road or other surface, a butt joint shall be milled to provide a smooth transition from the new CCAP pavement to the existing pavement. Feathering of the CCAP material will not be permitted.

**Method of Measurement.** The CCAP material will be measured by the total square yard pavement area placed according to the specifications and plans. This square yardage will include all labor, equipment, materials, mobilization, testing and any other incidental cost to the placement of the CCAP mixture.

**Basis of Payment.** The Owner Agency will pay for accepted quantities of Cold Constructed Asphalt Pavement complete and in place at the contract prices as follows:

2. **ITEM 202 - WEARING COURSE REMOVED, ASPHALT CONCRETE:** Consists of planing existing asphalt to a depth of approximately 2" to match existing pavement for butt joints per the schematic details included with the plans. All planed cuttings shall become the property of the contractor and shall be removed from the limits of the project. Payment will be for square yard of pavement planed. Limits for pavement planning are included per the plan details and quantities.
3. **ITEM 614 - MAINTAINING TRAFFIC, AS PER PLAN:** Consists of furnishing and placing necessary signs at all intersecting roads and furnishing necessary flag men, signs or other traffic control devices to handle traffic in the work zone. DO NOT PASS signs and pavement markings shall be in place in accordance with 614.04 Temporary markings shall be installed as per 614.11 the same day of paving. Local traffic will be maintained throughout the entire project at all times. Payment will be for lump sum bid.

## LEGAL NOTICE

Bids will be received by the Champaign County Commissioners for the project titled "**2020 Cold Constructed Material Placed**" via **Bid Express** until 9:00 A.M., April 21, 2020 for the installation of a cold mix overlay on various roads in Champaign County, Ohio. The materials will be provided by the County. Bids shall be accompanied by a bid guaranty bond in the amount of 100% of the bid or a certified check, cashier's check or letter of credit in the amount of 10% of the bid in accordance with ORC 153.54. Specifications are on file at the office of the Champaign County Engineer, 428 Beech Street, Urbana, Ohio 43078 and on the engineer's website at <http://engineer.co.champaign.oh.us/>

The Champaign County Board of Commissioners reserves the right to reject any or all bids.

Board of Commissioners  
Champaign County

By: Stephen McCall, PE, PS  
County Engineer

## 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 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.*