

SPECIFICATIONS  
FOR  
BITUMINOUS ASPHALT MATERIALS

Tuscarawas County Road & Bridge Department

**GENERAL SPECIFICATIONS**

1. Materials to be bid will be Bituminous Asphalt Emulsions. Prices will be good for the period of April 1, 2020 to March 31, 2021 with no escalator clause.
2. The usage of the CRS-2, HFRS-2 and/or HFRS-2P materials will be for chip and sealing and hand patching. The usage of Permacoat 250 will be for on-site production of cold mix asphalt for blade patching and pothole patching. The successful bidder shall have available and furnish to the County, upon request, an engineer or technician skilled in the proper proportioning and manipulation of the materials used and to advise the County on the proper usage. This service will be required at the beginning of the work and at other times of special problems. The cost of this service shall be included in the unit prices bid for the materials furnished.
3. All materials furnished, must meet or exceed the following specifications:

- |                |   |
|----------------|---|
| CRS-2:         | In accordance with ASTM D 2397.   |
| HFRS-2:        | In accordance with ASTM D 977 except that the residue by distillation must be a minimum of 65%.           |
| HFRS-2P:       | Polymerized Emulsion - Bidder to furnish specification with their bid, along with references to its usage |
| Permacoat 250: | In accordance with the following:   |

<b>Test Method</b>	<b>Specifications</b>
Flash Point, COC °C, ASTM D 3143	65.6+
Viscosity, Kinematic @ 60° C, ASTM D 2170	400-600
Distillate Test: ASTM D402	volume % total to 225°C      0-10
	volume % total to 260°C      0-45
	volume % total to 315.5°C      50-87
Residue from distillate to 360°C % volume by difference, min	70+

***Residue Tests***

Ductility of Residue ASTM D 113	100+
Spot Test of Reside	Neg
Water, % ASTM D 95	0.20%
Solubility in TCE, ASTM D 2042-01, %	99.5+

4. The bidder must submit proof of certification with a State of Ohio Department of Transportation for the materials bid at the time of the bid opening for CRS-2, HFRS-2 and HFRS-2P.
5. The bidder shall be required to perform monthly certification compliance testing of all products used by Tuscarawas County. Bidder shall submit the results on a monthly basis for all months in which products are being delivered to the County.
6. The County reserves the right to accept either the F.O.B. plant bid and/or the F.O.B. Tuscarawas County bid.
7. The County reserves the right to have the option for pick-up of materials by their own equipment or their designated haulers. The County also reserves the right to consider the relative location of each supplier with respect for the prompt delivery of materials to Tuscarawas County along with the distance of travel for pick-up by the County or its designated haulers in awarding this bid. As nearly as practical, all material ordered F.O.B. Tuscarawas County, will be in loads of approximately 6,000 gallons.
8. Estimated quantities listed in the proposal for CRS-2 and/or HFRS-2, HFRS-2P and Permacoat 250 is strictly an estimate of the amount which may be used this season. Neither is a guarantee that quantities listed will be purchased. The County reserves the right to increase or decrease quantity purchased based upon actual needs without penalty or adjustment of unit prices bid.
9. Bids must be submitted in a sealed envelope marked "BITUMINOUS ASPHALT MATERIALS" to the Tuscarawas County Commissioners at 125 East High Avenue, New Philadelphia, Ohio 44663.

#### PAYMENT OF QUANTITIES:

Payment and adjustments to Unit Price Bid shall be in accordance with these specifications and/or current Ohio Department of Transportation Specification 109. The County's specifications shall take preference.

If satisfactory progress is being made, the contractor will receive monthly payments for the material delivered and accepted in the previous month.

Final payments will be made from delivery tickets, not invoices or statements.

The monthly payments are approximate only, and all partial estimates and payments shall be subject to adjustments and corrections throughout the contract and/or in the final estimate and payment.

Partial payments of ninety two percent (92%) of the value so determined, less any previous payments made, will be paid to the Contractor upon receipt of an invoice.

Method of computing tank truck gallonage from net weight:

It is understood that the gallons delivered to and accepted by the County shall be converted by the following procedure and formula.

All shipments of bituminous materials in tank trucks must be weighed to determine the net weight of the material and the net weight converted to gallons.

All shipments must state the shipping temperature on weight slips.

The gallons to be paid for shall be calculated by using the following formula:

#### COMPUTING GALLONS FROM NET WEIGHT

Whereas:

NW = Net Weight of material from weight slip  
K = 8.245 (Emulsions)  
SG = Specific Gravity shown on laboratory reports\*  
GD = Net Gallons Delivered

Formula:

$$NW \text{ divided by } (K \times SG) = GD$$

\* The specific gravity of samples, taken by the County shall be averaged for the material delivered within that pay cycle.

#### RANDOM SAMPLING AND TERMINATION OF CONTRACT:

Random sampling of any suspected deficient materials will be taken by the County and tested by an independent testing lab. The cost of sample testing for samples found to be deficient will be billed to the Bidder and cost of acceptable sample results will be borne by the County. As an alternate or in addition to terminating the contract, the County may invoke a 30% penalty for any materials that do not meet specifications

If the supplier should default in any of the terms of this contract, then the County may, at its option, terminate the contract upon giving the supplier twenty-four (24) hours written notice. Upon the occurrence of such termination, the County shall then be entitled to purchase said Asphalt Materials from the next lowest bidder and the supplier shall be liable to the County for any additional costs to the County in purchasing said Asphalt from the next lowest bidder above the contract price herein contained.

