

# COUNTY OF ULSTER

*JEN METZGER*  
*County Executive*



*ULSTER COUNTY PURCHASING DEPARTMENT*

*ED JORDAN*  
*Director of Purchasing*

## **CONTRACT AWARD INFORMATION**

**Title:** CHIP SEAL

**Bid No.:** *RFB-UC21-058*

**Contract Period:** *APRIL 1, 2023 – MARCH 31, 2023 2024 2025*  
(EXTENDABLE TO MARCH 31, 2025)

**Possible Extensions:** *None Remaining*

**Authorized Users:** *COUNTY OF ULSTER DEPARTMENTS, POLITICAL  
SUBDIVISIONS AND OTHERS AUTHORIZED BY LAW*

**View Specifications at:** *<http://www.empirestatebidsystem.com/>*

### **Submit Inquiries to:**

**Name:** Frances Wu, Principal Buyer

**Phone:** 845-340-3408

**Fax:** 845-340-3434

**Email:** [FRWU@co.ulster.ny.us](mailto:FRWU@co.ulster.ny.us)

**If you intend to Piggyback off of this bid please contact Buyer first.**

## **BID DESCRIPTION**

The purpose of this bid is to establish a price for the purchase and application of Liquid Bituminous Materials to work in conjunction with the Ulster County Department of Public Works, Division of Highways and Bridges. These materials are used in part for the following roadway surface construction processes: single and double course chip sealing (NYSDOT Standard Specifications Section 410), and tack coating (NYSDOT standard Specifications Section 407). The material prices offered shall include the material cost and the cost to furnish, heat, haul, deliver, and apply the material; including all required distribution equipment as needed (e.g., distributor truck, chip spreader, pneumatic roller) and any associated mobilization costs.

AWARDED VENDOR	VENDOR INFORMATION NAME/ADDRESS/CONTACT	PHONE
<b>PECKHAM ROAD CORP.</b>	<i>Allison Speenburgh Peckham Road Corp 438 Vaughn Road Hudson Falls, NY 12839</i>	<b>Ph. (518) 369-8121 aezeq@peckham.com</b>

**1.0 PRICE ADJUSTMENT FOR HOT ASPHALT PRODUCTS**

Price Escalation and De-escalation will be allowed on liquid bituminous materials. **When a Price Adjustment is claimed on an invoice, that invoice must show the current Average Posted Price as well as the base Average Posted Price used in this specification and document the math used to determine the Adjustment that is being claimed. Failure to properly document each invoice may cause a delay in payment.**

The Price Adjustment will be based on the Average Posted Prices for Asphalt (Performance Graded Binder) per US ton as reported by the NYS DOT. This Average Posted Price is available on the DOT WEBSITE at <http://www.nysdot.gov> by searching for “Fuel, Asphalt & Steel Price Adjustments” or by clicking on the *Business Center* tab and navigating to *Construction Contractors/Office of Construction* to find “Fuel, Asphalt & Steel Price Adjustments”

The **Base Average Posted Price** for all liquid bituminous prices submitted on this bid, and for all contracts that result from this bid, will be the price posted by the NYS DOT for **October 2021 which is \$572/US ton.**

The NYS DOT determines new Average Posted Prices for Asphalt each month. It should be understood that price adjustments, in accordance with the formula below, would be effective on purchases made on and after the first day of the following month. In no event will a price adjustment be effected unless the change amounts to more than \$.10 per ton. All price adjustments will be computed to **three decimal places.** Any and all price revisions allowed by this contract shall be calculated and applied to the original Unit Price per US Ton that was bid.

Any introduction or withdrawal of a temporary voluntary allowance, terminal operator’s allowance or other discount offered to the trade in general from the posted price of asphalt will be considered, for purposes of price adjustment, as a change in the posted price.

**Formula:**

The Unit Price per Gallon of Liquid Bituminous materials purchased under these Specifications will be adjusted, by Item, in accordance with the following formula as described in the New York State contract for Liquid Bituminous Materials Group 31508:

*The Price Adjustment, per gallon, equals the New Monthly Average Posted Price per US ton minus the Base Average Posted Price per US ton, divided by a constant factor of 235 (gallons per ton) and then the result multiplied by the Total*

Percent (%) Liquid Asphalt in each product (as indicated in the chart below).

Price Adjustment	=	New Monthly Average FOB Terminal Price	-	Base Average Terminal Price	Total Allowable	x
Petroleum %						
(per gallon)					235	

Sample Calculation: If the **NEW** monthly average posted price is established at **\$600/US ton** and if the **Base Average Posted Price** for this bid is **\$572/US ton** and we are adjusting the Unit Price per gallon of product #702-4101/CRS-2 which is 67.7% asphalt, the calculation would be as follows:

$$\frac{(600.00 - 572.00)}{235} \times .677 = (+) \$0.0806/\text{Gallon of \#702-4101/CRS-2}$$

The Awarded vendor will be allowed to add \$0.08 to the bid price per gallon when invoicing product #702-4101/CRS-2.

The total percentage of liquid asphalt is indicated below for each of these Specifications:

ITEM # OF LIQUID BITUMINOUS MATERIAL	% LIQUID ASPHALT
702-4101/CRS-2	67.70
702-4201/CMS-2	75.20
702-4501/CSS-1H	57.20
702-4101P/CRS-2P	67.70
702-3002/RS-1H	56.70
702-3401/HFMS-2H	67.70
702-3402/HFMS-2S	73.20
702-4002/CRS-1H	62.70

## 2.0 DESCRIPTION OF SERVICE

The work shall consist of a uniform spray application of an asphalt binder followed by a uniform application of a graded cover coat aggregate which is then rolled with pneumatic tire rollers over a properly prepared surface. Excess aggregate is removed, and an optional application of fog seal (emulsified asphalt) may be applied. These materials are used in part for the following roadway surface construction processes: single and double course chip sealing (NYSDOT Standard Specifications Section 410), and tack coating (NYSDOT standard Specifications Section 407). The material prices offered shall include the material cost and the cost to furnish, heat, haul, deliver, and apply the material; including all required distribution equipment as needed (e.g., distributor truck, chip spreader, pneumatic roller) and any associated mobilization costs.

## 3.0 BITUMINOUS MATERIALS

All Bituminous Materials furnished shall conform to the most current version of General Specifications for Bituminous Materials as given in the NYS Dept. Of Transportation Standard Specifications construction and materials, with all current addenda. Bituminous Materials furnished and/or applied shall be in

accordance with the following New York/Federal Specifications numbers:

**Specification No./Bituminous Materials**

702-4101/CRS-2  
702-4201/CMS-2  
702-4501/CSS-1H  
702-4101P/CRS-2P  
702-3002/RS-1H  
702-3401/HFMS-2H  
702-3402/HFMS-2S  
702-4002/CRS-1H

Test samples may be taken at any time and any material not meeting specifications will be rejected. The County shall be under no obligation to pay for any rejected material.

Bids shall include unit prices on all types of materials listed in the proposal. It is desired that the County be able to use any combination of the above kinds or grades of material which they may require.

**4.0 EQUIPMENT FOR APPLYING BITUMINOUS MATERIAL**

**GENERAL**

All equipment, tools, and machines used in the application of chip seal shall be maintained in satisfactory working conditions at all times.

**ASPHALT DISTRIBUTOR-** The distributor shall be self-powered and capable of providing a uniform application rate of asphalt binder varying from .05-1.00 gal/yd<sup>2</sup> (0.23-4.5 liters/m<sup>2</sup>) over a variable width up to twenty feet (six meters) in a single pass. The uniformity of the distributor shall not vary by more than 0.02 gal/yd<sup>2</sup> (0.09 l/m<sup>2</sup>). It shall be equipped with a variable power unit for the pump and full circulation spray bars, which are adjustable laterally and vertically. The nozzle angle and bar height shall be set to provide 100 percent of double coverage in a single pass. Where multiple passes will be required to complete the full width, the four inches (ten centimeters) adjacent to the second pass may be left with 50 percent coverage so that the next pass will complete the full application rate specified. The distributor shall be self-powered and include computerized application controls, a tachometer, pressure gauges, accurate volume devices, calibrated tank, and a thermometer for measuring temperatures of the emulsified asphalt in the tank.

**CHIP SPREADER-** The machine shall be specifically designed and manufactured to apply various types of aggregate. It shall be self-propelled and supported by at least four tires on two axles capable of providing a uniform application rate of aggregate from 5-50 lbs/yd<sup>2</sup> (2.7-27 kg/m<sup>2</sup>) over a variable width. It shall be designed to convey aggregate materials from a rear receiving hopper to a front spread hopper. The front spread hopper will be fixed width or variable width. The machine shall apply this aggregate in a uniform pattern across the entire width of the spread hopper regardless of spreading widths. The

application rates will remain consistent regardless of the speed of the machine or changing spread widths. This shall be done with computer controls that monitor the ground speed and adjust the spread hopper rate in relationship to ground speed. Application rates will be preset in lbs/yd<sup>2</sup> (kg/m<sup>2</sup>).

**PNEUMATIC ROLLERS- A minimum of two self-propelled pneumatic tired rollers** shall be used on the project unless otherwise requested by the Project Manager. The rubber-tired rollers shall have a gross load adjustable to apply 200-250 psi (1379-1724 kPa) of rolling width. Tire pressure shall be specified for the pneumatic tire rollers and shall not vary more than plus or minus 5.0 psi (34.5 kPa). Depending on the speed of the chip seal operation and the width of coverage, additional rollers may be required. It is recommended that the rollers travel no more than 10 miles per hour.

#### **5.0 CALIBRATION**

The distributor and chip spreaders shall be calibrated to assure the proper amount of binder and aggregate are applied. The calibration shall consist of assuring mechanical and electronic components are set correctly and in good operation order. Distributors should be checked for proper nozzle size. Manufacturers of the equipment can provide detailed instructions for calibration procedures.

#### **6.0 WEATHER LIMITATIONS**

The chip seal shall not be applied when the pavement is moist, or when the weather is, or may be, detrimental. Detrimental weather is defined as rain showers, cool temperatures, moist pavements, threat of rain showers, or other environmental factors which could affect the performance of the chip seal construction. No chip seal shall be applied if either the pavement or air temperature is below 60°F (15.5°C) and falling, but may be applied when both pavement and air temperatures are above 60°F (15.5°C) and rising. Temperatures ranges should be adjusted for regional climates.

#### **7.0 FOG SEAL**

After the initial sweeping an optional application of fog seal may be applied to all areas chip sealed. The polymer modified fog seal or approved equal emulsion shall be diluted 40 percent with water. The application rate shall vary between 0.08-0.12 gal/yd<sup>2</sup> (0.04-.065 l/m<sup>2</sup>) as deemed necessary by the Contractor and County. **The vendor shall be responsible for all traffic control during fog seal operations.**

#### **8.0 BIDDER'S PHYSICAL CAPABILITIES AND SERVICE SUPPORT**

The supplier must be a NYS Department of Transportation approved facility for Liquid Bituminous Materials from which the supplier's pressure distributor trucks are operating. This plant will consist of adequate storage, heating and dispatching facilities, to ensure the efficient operation of the Ulster County Highways and Bridges Department program for the year.

All drivers and operators to be employed in the performance of this contract shall have had at least one (1) year experience in applying bituminous materials for roads. Successful bidder must supply the County with an affidavit from the bituminous manufacturer of each bid item that he will supply the facility with adequate material for the County's surface treatment and construction program.

Traffic Control: The County shall have the option to select whether it will manage the maintenance and safety of traffic at each site or allow the bidder to be responsible for all traffic control including all necessary flagmen, barricades, warning lights, etc. for the duration of each project. Traffic Control shall be priced as a separate line item by daily rate (see Bid Price Return Form).

The Bidder shall be responsible for covering all storm drains and catch basins on each project and have the location of each clearly marked out prior to the commencement of work.

## BID PRICE RETURN FORM

### CHIP SEAL

The undersigned proposes to furnish, deliver and apply the following types of bituminous materials to the County of Ulster, at the price hereinafter stated. These prices are exclusive of all Federal and State taxes, in accordance with these specifications. The material prices offered shall include the material cost and the cost to furnish, heat, haul, deliver, and apply the material; including all required distribution equipment as needed (e.g., distributor truck, chip spreader, pneumatic roller) and any associated mobilization costs.

The **Base Average Posted Price per US ton** for all liquid bituminous prices submitted on this bid, and for all contracts that result from this bid, will be the price posted by the NYS DOT for **October 2021 which is \$571/US ton.**

<u>ITEM</u>	<u>PRODUCT</u>	<u>PRICE PER GALLON</u>
1.	702-4101P/CRS-2P *	\$ <u>2.80</u> /Gal.
2.	702-4201/CMS-2	\$ <u>2.92</u> /Gal.
3.	702-4501/CSS-1H	\$ <u>2.95</u> /Gal.
4.	702-4101/CRS-2	\$ <u>2.75</u> /Gal.
5.	702-3002/RS-1H	\$ <u>3.00</u> /Gal.
6.	702-3401/HFMS-2H	\$ <u>3.00</u> /Gal.
7.	702-3402/HFMS-2S	\$ <u>3.00</u> /Gal.
8.	702-4002/CRS-1H	\$ <u>2.75</u> /Gal.
9.	TACK COAT	\$ <u>9.00</u> /Gal.
10.	TRAFFIC CONTROL	\$ <u>4,500</u> per day