

BITUMINOUS ROAD MAINTENANCE MATERIALS

SCOPE

The vendor shall furnish and, if directed, deliver the various items of bituminous concrete, additives and membrane materials as scheduled in these specifications.

MATERIAL SUPPLY & DELIVERY

The vendor shall provide the materials when requested by the County. County trucks will pick up the materials at the plant. Occasionally, the County trucks will not be available to haul the bid materials; the vendor shall provide a surcharge for delivery on the Bid Form Page to deliver to job sites within Union County. Trucking based on the 22 Ton Minimum.

The vendor shall load the County supplied trucks as they arrive at the plant in the same and manner as other customers of the vendor. No delay in loading shall be caused by the vendor by showing preference to other trucks within the plant.

The County shall provide a one-day notice by phone or in writing to the vendor to arrange delivery service.

In order to better serve the County of Union and the Cooperative Purchasing Agreement, participating municipalities, it is imperative that the successful bidder shall maintain an asphalt plant within five (5) miles of the nearest Union County border, as this will ensure both municipal and county haul trucks that the bituminous concrete material will arrive at the various job sites within the working temperature limits in accordance with the NJDOT specifications, section 404.12.

CERTIFIED WEIGHTS

If applicable, each truckload of materials shall be weighed by a Certified Weight Master on scales certified by the State. The Weight Master shall furnish to the truck driver duplicate tickets showing gross, tare and net weights with his official seal affixed thereto. The weight tickets will also clearly identify the material supplied.

BITUMINOUS CONCRETE MATERIALS

Materials shall conform to the current specifications of Section 903 in the **New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction**, 1989 commonly called the "blue book", and as stated herein.

BITUMINOUS MATERIALS

Materials shall conform to the current specifications of Section 904 of the blue book and as stated herein.

Payment to Vendor is to be made within forty-five (45) days after the receipt of Vendor's invoice and a signed County voucher attesting to the delivery of the goods and services by some officer or duly designated employee of the using County entity and after approval of the appropriate Department Head. The Vendor shall prepare invoices and shall submit them to the office/designated employee of the using County entity.

PRICE ADJUSTMENT FOR ASPHALT MATERIALS AND FUEL ONLY

In accordance with recent changes in the law and the requirements of N.J.S.A. 40A:11-13, specifically Section (g)

“asphalt price index” means the asphalt price index as determined and published by the New Jersey Department of Transportation;

“basic asphalt price index” means the asphalt price index for the month preceding the month in which the bids are opened;

“department” means the New Jersey Department of Transportation;

“fuel price index” means the fuel price index as determined and published by the New Jersey Department of Transportation; and

“pay item” means a specifically described item of work for which the bidder provides a per unit or lump sum price in a bid specification determined and published by the New Jersey Department of Transportation.

The asphalt price adjustment shall be calculated in accordance with the formula and relevant instructions published in the most recent edition of the “New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.” All invoices for payment shall be accompanied by the calculation of any asphalt price adjustment and a showing of the current month’s asphalt price index and the basic asphalt price index.

The following section and protocol for adjusting asphalt prices are taken from the NJDOT 2007 Standard specifications for Road and Bridge Construction, as amended:

160.03.02 Asphalt Price Adjustment

The Department will make monthly price adjustments for asphalt binder usage. The Department will calculate asphalt price adjustments based on the quantities of Items containing asphalt binder constructed during a given month.

Price adjustments may result in an increased payment to the Contractor for increases in the price index and may result in a reduction in payment for decreases in the price index.

The Department will calculate the asphalt price adjustment by the following formula:

$$A = (MA - BA) \times T$$

Where:

A = Asphalt Price Adjustment

MA = Monthly Asphalt Price Index

BA = Basic Asphalt Price Index

T = Tons of New Asphalt Binder

The Department will determine the weight of asphalt binder for price adjustment by multiplying the percentage of new asphalt binder in the approved job mix formula by the weight of the item containing asphalt binder. If a Hot Mix Asphalt item has a payment unit other than ton, the Department will apply an appropriate conversion factor to determine the number of tons used.

For TACK COAT and PRIME COAT, the Department will calculate asphalt price adjustments by the following formula:

$$A = (B) \times \frac{(MA - BA)}{BA} \times (C) \times (M) \times (G)$$

Where:

A = Asphalt Price Adjustment

B = Bid Price for Tack Coat/ Prime Coat

MA = Monthly Asphalt Price Index

BA = Basic Asphalt Price Index

C = Petroleum Content of the Tack Coat and Prime Coat in Percent by Volume:

Use 100% for cutbacks and Tack Coat 64-22

60% for Polymer Modified Tack Coat

60% for RS or similar type emulsions

M = Percentage of Bid Price Applicable to Materials Only: Use 82%

G = Gallons of Tack Coat and Prime Coat Furnished and Applied

The monthly asphalt price index, as determined by the Department, will be the average of quotations from suppliers serving the area in which the Project is located, and will be determined by the Department each month. The Department will post the monthly asphalt price index every month on the Department's web site.

The basic asphalt price index is the asphalt price index for the month before the opening of bids. The Department will use the asphalt price index for the month before the regular monthly estimate cut off date as the monthly asphalt price index.

If the monthly asphalt price index increases 50 percent or more over the basic asphalt price index, do not perform work on Items containing asphalt binder without written approval from the RE.

Further, this bid is eligible for a fuel price adjustment. Fuel that is eligible for a fuel price adjustment shall be the sum of the quantities of the eligible pay items in the contract multiplied by the fuel usage factors as determined by the department. The types of fuel furnished shall be at the discretion of the contractor.

The fuel requirement for items not determined by the department to be eligible, and for pay items in the bid specifications calling for less than 500 gallons of fuel, shall not be eligible for a fuel price adjustment. If more than one pay item has the same nomenclature but with different thicknesses, depths, or types, each individual pay item must require 500 gallons or more of fuel to be eligible for a fuel price adjustment. If more than one pay item has the same nomenclature, similar pay items shall be combined and the combination must require 500 gallons or more of fuel to be eligible for the fuel price adjustment.

Fuel price index adjustments shall not be made in those months for which the monthly fuel price index has changed by less than five percent from the basic fuel price index.

CONTRACT PERIOD

The period of the contract shall be for twelve (12) consecutive months with an option for an additional twelve (12) months contract subject to the following limitations: the option contract shall be awarded by resolution of the governing body (within 60 days prior to the expiration date) upon a finding by the governing body that the services are being performed in an effective and efficient manner.

SPECIFICATIONS

LOT # 1

Item # 1 **Base Course, I-2**, shall be Mix designation I-2 from Table 903-1 on page 395 of the blue book. It is commonly called Stabilized Base. The nominal maximum size of the aggregate is 1 ½". Up to 20% of reclaimed asphalt pavement will be allowed in the stabilized base mix. **Tons**

Item # 2 **Surface Course, Top Layer, I-5**, shall be Mix designation from Table 903-1 of the blue book. It is commonly called FA-BC Top. The nominal maximum size of the aggregate is ¾". Up to 10% of the reclaimed asphalt pavement will be allowed in the top layer of surface course. **Tons**

Item # 3 The winning vendor shall be required to accept tandem loads of recycled asphaltic material from County trucks. Schedule to be mutually agreed upon. **Tandem Loads**

Item # 4 **Surface Course, Top Layer, I-5 w/ Gilsonite additive**, shall be Mix designation from Table 903-1 of the blue book. It is commonly called FA-BC Top. The nominal maximum size of the aggregate is ¾". Up to 10% of the reclaimed asphalt pavement will be allowed in the top layer of surface course. GILSONITE, to be incorporated into bituminous concrete surface course, shall be as manufactured by the Ziegler Chemical and Mineral Corporation 100 Jericho Quadrangle, Jericho, New York, 11753. Gilsonite shall be incorporated into the bituminous concrete as recommend by the manufacturer at the rate of one bag (11 lbs.) per ton of bituminous concrete. **Tons**

Item # 5 **Surface Course, Top Layer, I-6**, shall be Mix designation I-6 from Table 903-1 of the blue book. It is commonly called SP-1. The nominal maximum size of aggregate ¼" (No. 4 sieve). Up to 10% of reclaimed asphalt pavement will allow in this top layer of surface course. **Tons**

Item # 6 **Surface Course, Top Layer, I-4**, shall be Mix designation I-4 from Table 903-1 on pages 395 of the blue book. It is commonly called MA-BC Top. The nominal maximum size of the aggregate is ¾". Up to 10% of reclaimed asphalt pavement will be allowed in this top layer of surface course. **Tons**

Item # 7 **Bituminous Concrete- ¼" Top Mix** **Tons**

Item # 8 **Bituminous Concrete Patch, Cold Mix**, shall conform to Article 903.04 of the blue book. The mixture shall be sufficiently workable to allow easy spreading and raking when taken from a stockpile. It is commonly called cold patch or stockpile mix. **Tons**

Item # 9 **Asphalt Membrane GEO-TAC** **Square Feet**

Item # 10 **#57 Stone ¾" Clean Stone** **Tons**

Item # 11 **#3 Stone 1 ½" Clean Stone** **Tons**

Item # 12 **#8 Stone ¾" Clean Stone** **Tons**

Item # 13 **#2 Stone 2 ½" Clean Stone** **Tons**

Item # 14 **Quarry Process Type Class A** **Tons**

Item # 15 **Road Blend "Recycled Concrete Asphalt" DGA** **Tons**

Item # 16	C-33 Fine Aggregate Concrete Sand	Tons
Item # 17	C-144 Mason Sand	Tons
Item # 18	Portland Cement	94 lb. Bags
Item # 19	Concrete 4500 Mix	Cubic Yards
Item # 20	Crack Filler PCF	Lbs.
Item # 21	4” – 12” Rip-Rap	Tons
Item # 22	Bin Block	Each
Item # 23	UPM Koflo	Gallons
Item # 24	Quicrete 5,000	80 lbs. Bags
Item # 25	Binder Dust	Tons
Item # 26	Ready Mix Concrete – Class A	Cubic Yards
Item # 27	Ready Mix Concrete – Class B DOT Concrete Mix	Cubic Yards
Item #28	Recycled Concrete	Tandem Loads

(BIDDERS MUST BID ON ALL THE ITEMS WITHIN LOT #1 TO BE CONSIDERED RESPONSIVE)

LOT # 2

Item # 1 Tack Kote Five (5) Gallon Pails

LOT # 3

Item # 1 - AC-20 Oil Grade Asphaltic Cement, Grade AC-20 shall conform to AASHTO M 226, Table 2.
Gallons

LOT # 4

Item # 1 Cold Mix Bagged QPR or UPM 50 lb.Bags