PLANT MIX BITUMINOUS MIXTURE

COMMERCIAL GRADE

HOT MIX-COLD LAY

1. **Insurance and Liability**: The contractor's interest in all property herein described, if any, or any personal liability to him arising from this agreement to whatever extent shall be considered to be covered by applicable insurance by the contractor to the extent required. Notwithstanding any language to the contrary, no interpretation shall be allowed to find the State of Kansas or any of its Agencies responsible for loss or damage to personal property or to hold contractors harmless from any such occurrences. Contractor(s) shall possess Workman's Compensation Insurance in the amount required by law.
2. **Contract period:** April 1, 2021, through March 31, 2022.
3. **Quantities:** The contract will be of the "open-end" type. The contractor shall provide such quantities as may be ordered throughout the contract period. Only those quantities actually required will be ordered.
4. **Price:** The unit price per ton for material delivered FOB: Destination, delivered by truck to stockpile at each destination on the Pricing Page.
5. **Specification:** Material shall be in accordance with the enclosed Specification for Plant Mix Bituminous Mixture-Commercial Grade Hot Mix/Cold Lay Districts 1, 4, 5 & 6. Material not meeting specifications will be rejected and returned at the contractor's expense.
6. **Payment:** Payment will be made within 30 days of delivery acceptance or receipt of invoice, whichever is later. The invoice shall be submitted to the address as instructed on the purchase order. KDOT purchase order number must be referenced on the invoice.
7. Bidders have the option of quoting pricing on a firm and fixed basis throughout the contract or on a price adjustment basis subject to the KDOT monthly asphalt price index as described below.
8. Bidders shall indicate on the Bid Form if pricing is firm and fixed or subject to adjustment.
9. If the price adjustment option is chosen, pricing will be adjusted monthly as described below except the adjustment to the Bituminous Mix will be $.05 per ton for every $1.00 adjustment to the asphalt pricing.
10. **KDOT Monthly Asphalt Price Index**
11. **DESCRIPTION**

This is the method of price adjustment for asphalt materials (regardless of the type) used.

1. METHOD OF PRICE ADJUSTMENT

Price Adjustment.The Engineer will establish an Asphalt Material Index (AMI) on the first day (excluding Saturdays, Sundays, and holidays) of each month. The AMI is calculated on the arithmetic average for the week the first day (excluding Saturdays, Sundays, and holidays) from the Asphalt Cement “Selling Prices” for the “Midwest/Mid-Continent Market” – “Missouri/Kansas/Oklahoma” – “Kansas City area” and “Tulsa, Oklahoma/Southern Kansas” as listed in the “ASPHALT WEEKLY MONITOR®” published by “Poten and Partners” or at [www.poten.com](http://www.poten.com/). Information regarding the computation of the AMI is available from the Bureau of Construction and Maintenance, Topeka, Kansas. The Monthly Asphalt Price Index is available on the KDOT web at <http://www.ksdot.org/>.

<http://www.ksdot.org/bureaus/burconsmain/ppreq/AsphaltPriceIndex.asp>

The AMI is established on PG 64-22, and will be applied for all grades of Liquid Asphaltic Materials. The AMI for the month the Contract is let becomes the Starting Asphalt Index (SAI) for the duration of the Contract.

The SAI for March 2021 is $436.

The difference (plus or minus) between the SAI and AMI is the Monthly Asphalt Index Adjustment Factor (MAIAF). The MAIAF established each month is applied to applicable material delivered during that month. The MAIAF will only be applied when the increase or decrease differs $10.00 or more from the SAI. Delivery date will determine SAI adjustment.

**CONTRACTORS**

**Contract # 50090**

**Contractor: APAC Kansas, Inc.**

 PO Box 1605

 Hutchinson, KS 67504-1605

 Vendor ID: 0000154586

 Contact Person: James Hendrix

 e-mail: james.hendrix@apac.com

 Local Telephone: 620-662-3307

 Fax: 620-662-3181

Pricing is firm and fixed.

**Contract # 50091**

**Contractor: Venture Corporation**

 PO Box 1486

 Great Bend, KS 67530-1486

 Vendor ID: 0000048936

 Contact Person: William Seybert

 e-mail: rocky@venturec.kscoxmail.com

 Local Telephone: 620-792-5921

 Fax: 620-792-7155

Pricing is firm and fixed.

**Contract # 50092**

**Contractor: Heckert Construction Company, Inc.**

 746 E. 520th Ave.

 Pittsburg, KS 66762-6261

 Vendor ID: 0000047457

 Contact Person: Charles Heckert

 e-mail: chuck@heckertconstruction.com

 Local Telephone: 620-231-6090

 Fax: 620-231-1733

Pricing is firm and fixed.

**Contract # 50093**

**Contractor: Hall Brothers, Inc.**

 PO Box 166

 Marysville, KS 66508-0166

 Vendor ID: 0000047203

 Contact Person: Rob Roudybush

 e-mail: roudybush@hallbros.net

 Local Telephone: 785-562-2386

 Fax: 785-562-5543

Pricing is firm and fixed.

**Contract # 50089**

**Contractor: Material Management Inc aka Daniels Ready Mix**

PO Box 842

 Winfield, KS 67156-0842

 Vendor ID: 0000162714

 FEIN: 75-2990747

 Contact Person: Jordan Hovey

 E-Mail: concrete@danielsreadymix.com

 Toll Free Telephone: 620-218-8845

 Local Telephone: 620-2219060

 Cell Phone Number: N/A

 Fax: 620-221-7525

Pricing is firm and fixed.

**Contract # 50088**

**Contractor:** McCormick Excavation & Paving LLC

 30887 US Highway 24

 Stratton, CO 80836-8509

 Vendor ID: 0000164969

 FEIN: 84-1667679

 Contact Person: James McCormick

 E-Mail: jim@mxpllc.com

 Toll Free Telephone: N/A

 Local Telephone: 719-348-5383

 Cell Phone Number: 719-349-0660

 Fax: 719-348-5931

**Contract # 50087**

**Contractor:** Pearson Materials LLC

 2901 N. Mead St.

 Wichita, KS 67219

 Vendor ID: 0000616613

 FEIN: 85-4191423

 Contact Person: Kirk Howie

 E-Mail: lsparr@pearsonconstructionllc.com

 Toll Free Telephone: N/A

 Local Telephone: 316-263-3100

 Cell Phone Number: N/A

 Fax: 316-263-3071

Pricing Subject to Adjustment

KANSAS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE

PLANT MIX BITUMINOUS MIXTURE - COMMERCIAL GRADE (MAINTENANCE)

Hot Mix/Cold Lay

DESCRIPTION - This work shall consist of aggregate and bituminous material mixed in a central plant.

BID ITEM - Plant Mix Bituminous Mixture - Commercial Grade (Maintenance) Hot Mix/Cold Lay).

MATERIALS - The bituminous mixture shall be approved by the Area Engineer.

The approval in general will be based on the following conditions:

(a) The hot mix plant shall produce a satisfactory mixture.

(b) The mixtures produced shall meet the gradation requirements of BM-1 or BM-2 at the discretion of the Area Engineer.

(c) The oil used in the mix shall be MC-800.

(d) The oil content shall be adequate to sufficiently coat the aggregates and produce a satisfactory mixture.

(e) The use of RAP in the mix will not be permitted.

(f) The mix produced will be stockpiled prior to use. Therefore, it shall remain workable for at least eight weeks after delivery.

(g) The Area Engineer shall select the type of mix based on needs at the specific location where the material is to be used.

(h) The mix design for the mix selected shall be submitted to the Area Engineer for approval prior to delivery of the mix.

**District One**

**Hot Mix/Cold Lay**

**Pricing Page**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **FOB: Delivered to Stockpile Location:** | **County** | **Est. Tons** | **Price per Ton** | **Vendor** |
| KDOT location, 0.5 m North of US-36 on US-77. Marysville, KS. Storage Area 1544 | Marshall | 1000 ton | $78.98 | Hall |

Firm Fixed Pricing

KANSAS DEPARTMENT OF TRANSPORTATION

DISTRICT THREE

PLANT MIX BITUMINOUS MIXTURE (Hot Mix/Cold Lay)

DESCRIPTION - This work shall consist of aggregate and bituminous material mixed in a central plant.

BID ITEM - Bituminous Plant Mixture (Hot Mix-Cold Lay)–District #3.

MATERIALS - The bituminous mixture shall be approved by the Area Engineer. The approval in general will be based on the following conditions:

1. All materials shall be furnished by recognized producers.
2. The hot mix plant shall produce mixtures for base and surface work acceptable to the Area Engineer.
3. The Area Engineer shall select the type of mix based on the needs at the specific location where the material is to be used. Typical mix will be a BM-1 gradation.
4. The mix design for the mix selected shall be based on the requirements of attached Special Provision 07-PS0062.
5. The mix design shall be submitted to the Area Engineer for approval prior to being produced.
6. Material to be furnished in quantities as ordered by the Area Engineer and delivered to the locations specified.
7. Material shall be produced and shipped as ordered by the Area

Engineer.

DELIVERY - Material shall be delivered within 30 calendar days of the contractor receiving approval of the mix design from the Engineer.

**District Three**

**Hot Mix/Cold Lay**

**Pricing Page**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **FOB: Delivered to Stockpile Location:** | **County** | **Est. Tons** | **Price per Ton** | **Vendor** |
| KDOT Location St Francis Sub-area maintenance YardStorage Area 3210 | Cheyenne | 500 ton | 85.00 | McCormick |
| KDOT location NW Jct. US 183 Bypass and I-70 Storage yard (I-70 Exit 157) | Ellis | 250 ton | 82.99 | APAC |
| KDOT Location Grainfield Sub-area maintenance YardStorage Area  | Gove | 250 ton | 81.43 | McCormick |
| KDOT Location Hill City Sub-area maintenance YardStorage Area  | Graham | 250 ton | 85.77 | McCormick |
| KDOT location 1 mi N of Oakley on US-83Storage Area 6163 | Logan | 250 ton | 76.86 | McCormick |
| KDOT Location Phillipsburg Sub-area maintenance YardStorage Area 3108 | Phillips | 750 ton | 90.40 | Venture |
| KDOT location 3 mi S of Stockton on U-183Storage Area 3155 | Rooks | 500 ton | 86.31 | Venture |
| KDOT Location Russell Sub-area maintenance YardStorage Area  | Russell | 250 ton | 87.53 | Venture |
| KDOT Location Hoxie Sub-area maintenance YardStorage Area  | Sheridan  | 250 ton | 78.50 | McCormick |
| KDOT Location Wakeeney Sub-area maintenance YardStorage Area  | Trego | 250 ton | 89.80 | APAC |
| KDOT location 1 mi N of Sharon Springs on K-27Storage Area  | Wallace | 250 ton | 85.00 | McCormick |

Firm and Fixed Pricing

KANSAS DEPARTMENT OF TRANSPORTATION

DISTRICT FOUR

PLANT MIX BITUMINOUS MIXTURE - COMMERCIAL GRADE (MAINTENANCE)

Hot Mix/Cold Lay

DESCRIPTION - This work shall consist of aggregate and bituminous material mixed in a central plant.

BID ITEM - Plant Mix Bituminous Mixture - Commercial Grade (Maintenance) (Hot Mix/Cold Lay).

MATERIALS - The bituminous mixture shall be approved by the Area Engineer.

The approval in general will be based on the following conditions:

(a) The hot mix plant shall produce a satisfactory mixture.

(b) The mixtures produced shall meet the gradation requirements of BM-1 or BM-2 at the discretion of the Area Engineer.

(c) The oil used in the mix shall be MC-800.

(d) The oil content shall be adequate to sufficiently coat the aggregates and produce a satisfactory mixture.

(e) The use of RAP in the mix will not be permitted.

(f) The mix produced will be stockpiled prior to use. Therefore, it shall remain workable for at least eight weeks after delivery.

(g) The Area Engineer shall select the type of mix based on needs at the specific location where the material is to be used.

(h) The mix design for the mix selected shall be submitted to the Area Engineer for approval prior to delivery of the mix.

**District Four - Hot Mix/Cold Lay**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Delivery****Dates** | **FOB: Delivered to****Stockpile Location:** | County | Est. Tons | Price/Ton | Vendor |
| 9/27/21To10/29/21 | KDOT Yard, Sedan S end of town on US-166BStorage Area 4-3-31Contact Office-Independence | Chautauqua | 500 ton | 67.49 | Pearson  |
| 5/17/21To6/04/21 | KDOT Yard, Columbus, KSStorage Area 4-4-21Contact Office- Pittsburg | Cherokee | 500 ton | 72.05 | Heckert |
| 7/05/21To8/06/21 | KDOT Yard, Columbus, KSStorage Area 4-4-21Contact Office - Pittsburg | Cherokee | 500 ton | 72.05 | Heckert |
| 5/17/21To6/04/21 | KDOT Mixing Strip, SW of Pittsburg on US-69Storage Area 4-4-44Contact Office- Pittsburg | Crawford | 250 ton | 66.85 | Heckert |
| 7/05/21To8/06/21 | KDOT Mixing Strip, SW of Pittsburg on US-69Storage Area 4-4-44Contact Office- Pittsburg | Crawford | 250 ton | 66.85 | Heckert |
| 5/17/21To6/04/21 | KDOT Mixing Strip, 3 mi W of Altamont on US-160Storage Area 4-4-14Contact Office- Pittsburg | Labette | 250 ton | 73.49 | Pearson |
| 7/05/21To8/06/21 | KDOT Mixing Strip, 3 mi W of Altamont on US-160Storage Area 4-4-14Contact Office- Pittsburg | Labette | 250 ton | 72.49 | Pearson |
| 9/27/21To10/29/21 | KDOT Mixing Strip, Havana, 1 mi W of N Jct US-166/US-75Storage Location 4-3-22Contact Office – Independence | Montgomery | 500 ton | 71.49 | Pearson |
| 5/17/21To6/04/21 | KDOT Mixing Strip, S. of Erie, 1 mi. W of US-59 on K-47Storage Area 4-4-33Contact Office- Pittsburg | Neosho | 250 ton | 74.00 | Heckert |
| 7/05/21To8/06/21 | KDOT Mixing Strip, S. of Erie, 1 mi. W of US-59 on K-47Storage Area 4-4-33Contact Office- Pittsburg | Neosho | 250 ton | 71.49 | Pearson |
| 9/27/21To10/29/21 | KDOT Yard, Altoona, N end of town on US-75BStorage Area 4-3-11Contact Office – Independence | Wilson | 500 ton | 71.49 | Pearson |

Show basis of pricing (✓)

Firm & fixed \_\_Heckert Yes\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Subject to adjustment \_\_Pearson\_\_\_\_\_\_\_\_\_\_

DISTRICT 4 CONTACT OFFICES

**Area One --- Iola Contact Person**

Allen AL, Bourbon BB, Greenwood GW, Woodson WO

Kansas Dept. of Transportation Vacant

1720 N. State St. Area Engineer

Iola, Kansas 66749 620-901-6557

 Derrick Shannon

Phone: 620-901-6555 Alana Stansbury Area Maintenance Supt

FAX: 620-365-2402 620-901-6550

**Area Two --- Garnett- Contact Person**

Anderson AN, Coffey CF, Franklin FR, Linn LN, Miami MI

Kansas Dept. of Transportation Donna Schmit

507 N. Maple Area Engineer

Garnett, Kansas 66032-1081 785-433-6107

 Shawn Denny

Phone: 785-448-5446 Area Maintenance Supt.

FAX: 785-448-2486 785-433-6115

**Area Three ----- Independence Contact Person**

Chautauqua CQ, Elk EK, Montgomery MG, Wilson WL

Kansas Dept. of Transportation Vacant

3097 W Main Area Engineer

PO Box 884 620-577-7312

Independence, Kansas 67301-0884

 Marcus Leck

Phone: 620-577-3711 (Diana Curtis) Area Maintenance Supt

FAX: 620-331-7017 620-577-7313

**Area Four ----- Pittsburg Contact Person**

Cherokee CK, Crawford CR, Labette LB, Neosho NO

Kansas Dept. of Transportation Vacant

1813 W 4th Street Area Engineer

PO Box 104 620-308-7612

Pittsburg, Kansas 66762-0104

 Wayne Nelson

Phone: 620-308-7611 (Amy Young) Area Maint. Supt

FAX: 620-231-1149 620-308-7622

KANSAS DEPARTMENT OF TRANSPORTATION

DISTRICT FIVE

PLANT MIX BITUMINOUS MIXTURE - COMMERCIAL GRADE (MAINTENANCE)

Hot Mix/Cold Lay

DESCRIPTION - This work shall consist of aggregate and bituminous material mixed in a central plant.

BID ITEM - Plant Mix Bituminous Mixture - Commercial Grade (Maintenance) (Hot ix/Cold Lay).

MATERIALS - The bituminous mixture shall be approved by the Area Engineer. The approval in general will be based on the following conditions:

(a) The hot mix plant shall produce a satisfactory mixture.

(b) The mixtures produced shall meet the gradation requirements of BM-1 or BM-2 at the discretion of the Area Engineer.

(c) The oil used in the mix shall be MC-800.

(d) The oil content shall be adequate to sufficiently coat the aggregates and produce a satisfactory mixture.

(e) The use of RAP in the mix will not be permitted.

(f) The mix produced will be stockpiled prior to use. Therefore it shall remain workable for at least eight weeks after delivery.

(g) The Area Engineer shall select the type of mix based on needs at the specific location where the material is to be used.

(h) The mix design for the mix selected shall be submitted to the Area Engineer for approval prior to delivery of the mix.

**Kansas Department of Transportation**

**District Five**

**Bituminous Plant Mixture (Hot Mix-Cold Lay)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **FOB: Delivered to Stockpile Location:** | **County** | **Est. Tons** | **Price per Ton** | **Vendor** |
| KDOT location, 4 miles E of Medicine Lodge, KS, on US-160Storage Area 5143 | Barber | 300 ton | 77.50 | Pearson |
| KDOT location, 204 E of US-56 Great BendStorage Area 5410 | Barton | 500 ton | 76.00 | Pearson |
| KDOT Mixing Strip 2 mi W of El Dorado on K-196Storage Area 5213 | Butler | 150 ton | 70.50 | Pearson |
| KDOT Sub-Area Yard, Coldwater, KSStorage Area 5160 | Comanche | 500 ton | 73.50 | Pearson |
| KDOT location, 1.5 miles W of Kinsley, KS on US-50Storage Area 5122 | Edwards | 250 ton | 65.00 | Pearson |
| KDOT Mixing Strip, Jct. 135 and K-15, North of Newton on K-15Storage Area 5221 | Harvey | 150 ton | 62.50 | Pearson |
| KDOT location, 0.5 mi W of Anthony on K-2Storage Area 5332 | Harper | 200 ton | 82.50 | Pearson |
| KDOT location, 2.5 miles S of Kingman, KS on K-14Storage Area 5151 | Kingman | 300 ton | 75.00 | Pearson |
| KDOT location, 2 mi E of Greensburg, KS Jct. US-54/US-183Storage Area 5131 | Kiowa | 200 ton | 72.50 | Pearson |
| KDOT location, 2.0 miles W of Pratt, KS on US-54Storage Area 5111 | Pratt | 850 ton | 62.75 | Pearson |
| KDOT location, 1.5 miles S of LarnedStorage Area 5441 | Pawnee | 500 ton | 78.95 | Pearson |
| KDOT location, 11 miles W of Larned on K-156Storage Area 5442 | Pawnee | 500 ton | 78.95 | Pearson |
| KDOT Sub-Area Yard, 1018 S. Halstead, Hutchinson, KSStorage Location 5230 | Reno | 150 ton | 60.00 | Pearson |
| KDOT location, 1 mile E of Frederick on K-4Storage Area 5421 | Rice | 500 ton | 81.75 | Pearson |
| KDOT location, 0.5 mile E of Lyons on US-56Storage Area 5422 | Rice | 250 ton | 76.00 | Pearson |
| KDOT location, 0.5 mi N Lacrosse on US-183Storage Area 5431 | Rush | 750 ton | 84.50 | Pearson |
| KDOT location, 1.0 mi S of McCracken on K-4Storage Area 5432 | Rush | 500 ton | 84.50 | Pearson |

Firm & fixed \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Subject to adjustment \_\_\_Pearson - Yes\_\_

PLANT PRICING ONLY

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| County | Plant to be located within radius below: | Est. Qty. (Ton) | Cost/ton FOB: Plant, loaded in KDOT trucks: (A) | Road miles from plant to designated city: (B) | Location of plant: |
| Cowley | 20 mile radius of Winfield, KS | 4000 | 64.82 | <1 Mile | Daniels Ready Mix – 2016 Country Club Road, Winfield KS 67156 |

March Index $436/st

KANSAS DEPARTMENT OF TRANSPORTATION

DISTRICT SIX

PLANT MIX BITUMINOUS MIXTURE (Hot Mix/Cold Lay)

DESCRIPTION - This work shall consist of aggregate and bituminous material mixed in a central plant.

BID ITEM - Bituminous Plant Mixture (Hot Mix-Cold Lay)–District #6.

MATERIALS - The bituminous mixture shall be approved by the Area Engineer. The approval in general will be based on the following conditions:

1. All materials shall be furnished by recognized producers.
2. The hot mix plant shall produce mixtures for base and surface work acceptable to the Area Engineer.
3. The Area Engineer shall select the type of mix based on the needs at the specific location where the material is to be used. Typical mix will be a BM-1 gradation.
4. The mix design for the mix selected shall be based on the requirements of attached Special Provision 07-PS0062.
5. The mix design shall be submitted to the Area Engineer for approval prior to being produced.
6. Material to be furnished in quantities as ordered by the Area Engineer and delivered to the locations specified.
7. Material shall be produced and shipped as ordered by the Area Engineer.

DELIVERY - Material shall be delivered within 30 calendar days of the contractor receiving approval of the mix design from the Engineer.

**Kansas Department of Transportation**

**District Six**

**Bituminous Plant Mixture (Hot Mix-Cold Lay)**

**Pricing Page**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **FOB: Delivered to Stockpile Location:** | **County** | **Est. Tons** | **Price per Ton** | **Vendor** |
| KDOT location 1 mi S of Dodge City on US-283Storage location 6313 | Ford | 2000 ton | 73.43 | APAC |
| KDOT location 2 mi NE of Garden City on K-156Storage Area 6133 | Finney | 300 ton | 85.29 | APAC |
| KDOT location Sub-Area yard Cimarron, KSStorage Area 6320 | Gray | 500 ton | 77.43 | APAC |
| KDOT location 1 mi W of Tribune on K-96Storage Area 6163 | Greeley | 300 ton | 98.87 | APAC |
| KDOT location 1 mi N of Syracuse on K-27Storage Area 6113 | Hamilton | 300 ton | 92.72 | APAC |
| KDOT location 1 mi W of Jct US-283/K-156 on K-156Storage Area 6353 | Hodgeman | 500 ton | 80.08 | APAC |
| KDOT location 1 mi N of Lakin on K-25Storage Area 6120 | Kearny | 300 ton | 89.85 | APAC |
| KDOT location 1 mi W of Dighton on K-96Storage Area 6143 | Lane | 300 ton | 85.95 | Venture |
| KDOT location 1 mi W of Jct K-23/US-54 on US-54Storage Area 6253 | Meade | 750 ton | 82.92 | APAC |
| KDOT location W Jct US-56/K-51Storage Area 6223 | Morton | 500 ton | 97.97 | APAC |
| KDOT location 0.5 mi E of Ness City on K-96Storage Area 6363 | Ness | 1000 ton | 82.25 | Venture |
| KDOT location 1 mi E of Scott City on K-96Storage Area 6153 | Scott | 250 ton | 89.07 | APAC |
| KDOT location 0.25 mi N of US-83/K-95 S JctStorage Area 6154 | Scott | 250 ton | 89.45 | Venture |
| KDOT location 0.5 mi S of US-56/K-25 Jct on Washington StStorage Area 6233 | Stevens | 750 ton | 91.22 | APAC |

 Firm & fixed Price

**KANSAS DEPARTMENT OF TRANSPORTATION**

**SPECIAL PROVISION TO THE**

**STANDARD SPECIFICATIONS, EDITION 2007**

**07-PS0002**

**PLANT MIX ASPHALT MIXTURE - STOCKPILE**

**1.0 DESCRIPTION**

 Provide the designated plant mix asphalt mixture and deliver to the stockpile location as shown in the Contract Documents.

 Provide material that may be used immediately or for future use that will remain workable for at least two months.

 The asphalt mixture may be stockpiled for future use, in which case the material is expected to remain workable for at least two months. Or, the asphalt mixture may be used immediately, in which case the material shall be workable at the time of placement on the roadway. The Engineer will notify the Contractor of the intended use of the asphalt mixture.

 **BID ITEMS** **UNITS**

 Aggregate for Asphalt Mixture (\*) Ton

 Cutback Asphalt (\*) Ton

 Emulsified Asphalt (\*) Ton

 \* Designated Type and Grade.

**2.0 MATERIALS**

 **a. Aggregates.** Provide individual aggregates that comply with **DIVISION 1100**.

 **b. Asphalt.** Provide Asphalt materials that comply with **DIVISION 1200**.

 **c. Combined Aggregates.** Provide combined aggregates for the mixes as shown in **TABLE 1**.

Mixes may use any combination of aggregate and mineral filler supplements that complies with the applicable requirements in **TABLES 1103-1** and **1103-2**.

|  |
| --- |
| **TABLE 1: COMBINED AGGREGATE REQUIREMENTS** |
| **Mix****Designation** | **Percent Retained – Square Mesh Sieves** |
| **1”** | **¾”** | **½”** | **⅜”** | **No. 4** | **No. 8** | **No. 16** | **No. 30** | **No.50** | **No. 100** | **No. 200** |
| BM-1 |  |  | 0 | 0-8 | 18-39 | 35-53 | 50-68 | 60-80 | 72-90 | 82-95 | 92-98 |
| BM-2A |  | 0 |  | 6-21 | 23-40 | 38-56 |  | 61-82 |  | 88-99 | 92-99 |
| MRA-F |  |  | 0 | 0-5 |  | 15-40 |  | 15-80 |  |  | 85-95 |

MRA-F. Provide material with a minimum of 85% crushed sandstone (quartzite screenings) and comply with **TABLE 2**:

|  |
| --- |
| **TABLE 2:QUALITY OF INDIVIDUAL AGGREGATES:** |
| **Property** | **Requirement** |
| Soundness, minimum | 0.85 |
| Wear, maximum | 45% |
| Absorption, maximum | 4.0% |

The requirements for wear and soundness do not apply to sand or sand-gravel aggregate sources having less than 10% material retained on the No. 8 sieve.

(a) Deleterious Substances. Use combined aggregates for MRA‑F free from alkali, organic matter, coated particles, injurious amounts of clay or clay balls, or other foreign substances. Maximum allowed other deleterious substances in the total combined aggregate percentages by weight are:

* Shale or shalelike, or soft friable material, singly or in combination 5.0%
* Coal 0.5%
* Clay Lumps 2.0%
* Any combination of soft friable rock, shale, shalelike, coal or clay lumps 7.0%

**d. Mix Design.**  Submit the Design Job‑Mix Gradation and all materials to the DME for review and approval. The DME will design the mix using this information

**3.0 CONSTRUCTION REQUIREMENTS.**

 **a. Plant Operation.** Use equipment that complies with **DIVISION 150** to produce and haul the asphalt mixture.

The maximum mixing temperature is 200ºF when the asphalt material is added to the aggregate; this temperature requirement shall be waived if the asphalt mixture produced is intended for immediate use.

Prior to the addition of the asphalt material to the aggregate, dry the aggregate to a maximum moisture content of 1%. The aggregate may be pre-dried and allowed to cool before the asphalt material is added. Provide a method of obtaining a dried aggregate sample, for testing, before the asphalt material is added.

**b. Seasonal Limitations.** It is the intent that this material be used the first construction season after this project is let. The "Notice to Proceed" will be issued so that the working days will elapse on or before September 15 (of the first construction season following the letting) for bituminous material stockpiled for future use, and October 1 (of the first construction season following the letting) for bituminous material used immediately.

**c. Process Control.** During production, the Engineer will conduct tests for gradation, at the frequency of one test each 500 ton Lot or fraction thereof, to verify compliance of the approved mix design. The moisture content will be checked at least once in the A.M. and once in the P.M. Non‑compliance will be subject to rejection or a price adjustment for the entire Lot or portion of a Lot represented by the test results as determined by the Engineer.

The process will be considered in non‑compliance when the moisture test or gradation test result(s) on any sieve(s) fall outside the moisture limit or the Master Grading Limits. When this occurs, the Lot will be terminated, accepted at a reduced pay or rejected by the Engineer, and production will be suspended pending the satisfactory results of a pre‑production sample.

The combined moisture sample and cold feed sample shall be taken at times designated by the Engineer (it is recommended that the initial moisture sample be taken soon after production is started).

**4.0 MEASUREMENT AND PAYMENT**

**a. Aggregate for Asphalt Mixture**. The Engineer will measure Aggregate for Asphalt Mixture by the ton of material delivered and placed in the designated stockpile. No deduction will be made for the weight of the asphalt material in the mixture.

Payment for "Aggregate for Asphalt Mixture (\*)" will be paid for at the contract unit price is full compensation for the specified work.

If the gradation test results indicate there is non-compliant material, the Engineer will compute the price adjustment at 90% for the entire Lot produced and not entirely within the Master Band Limits.

**b. Asphalt Material.** The Engineer will measure asphalt materials by the ton.

Payment for "Emulsified Asphalt" and "Cutback Asphalt", at the contract unit prices is full compensation for the specified work.

* + 1. M&R (RAB)