

## **BID #WG21-48 SPECIFICATIONS QC/QA procedures for use on all Baldwin County Projects**

### **Definitions**

County Engineer: The engineer appointed by the Baldwin County Commission.

Supplier: The company that is supplying the bituminous concrete for the project.

Contractor: The crew that is responsible for laying and compacting mix on the roadway.

### ***1) QUALITY CONTROL.***

a) Supplier shall have on site a Level II Asphalt Technician anytime they are producing mix for Baldwin County.

#### **b) QC/QA TESTING**

i) Sampling shall be performed in accordance with the sampling plan as stated in this specification. Samples will be randomly selected and obtained by the Supplier or Baldwin County Highway Department and its affiliates. QC/QA samples shall be obtained at the project site but Baldwin County Highway Department reserves the right to sample outside the sampling plan. A large enough sample shall be obtained so that it can be split between the Supplier, Baldwin County Highway Department or its affiliates. Samples shall be tested for Air Voids, Liquid Asphalt Binder Content, Gradation, VMA, Effective AC Content, Dust/Asphalt Ratio, Stability, Flow, and Tensile Strength Ratio (TSR) as per table 3.

TABLE 3

Test Required	Test Method (Random Number)	Sampling Frequency * * (100% Pay)	Tolerances
Asphalt Content +++++	AASHTO T308 ALDOT 354	Supplier per 500 tons BCHD per Lot	+/- .34
Maximum Specific Gravity	AASHTO T209	Supplier per 500 tons BCHD per Lot	N/A

Mixture Gradation****	AASHTO T 308	Supplier per 500 tons	+/- 7.0 % for the #4 and above
		BCHD per Lot	+/- 4.0 %, #8 to #100
			+/- 2.00 % for the #200
Dust/ Asphalt Ratio***	ALDOT 371	Supplier per 500 tons	0.90 to 1.80
		BCHD per Lot	
Air Void Content & VMA++	ALDOT 353, 307	Supplier per 500 tons	+/- 1.06%, 16.0 to 18.5
		BCHD per Lot	
Marshall Stability and Flow ++		Supplier per 500 tons	1600, 8-18
		BCHD per Lot	
Tensile Strength Ratio	ALDOT 361	Supplier & BCHD	Minimum .80
		First 1000 tons and	
		Every 10,000 ton thereafter	

Each individual Maximum Theoretical Specific Gravity (MTSG) shall be used to calculate Air Voids.

\*\* Baldwin County Highway Department reserves the right to change sampling frequency; or sample outside the sample plan if it deems necessary. At least one sample shall be obtained from every project with tonnage less than 500.

\*\*\* If the Dust/Asphalt is out on two consecutive tests, production shall cease until proper plant adjustments are made.

\*\*\*\* If the test results are out of specification tolerance on two consecutive tests for the same size sieve, production shall cease until proper plant adjustments are made.

\*\*\*\* Mix shall have a minimum of 3% retained on the 3/8" sieve, No Exceptions. Gradation tolerance of +/- 7% will not apply on the maximum control point unless the JMF is set at 90%; tolerance will extend to but not exceed 97% on the 3/8" sieve.

++ The sample shall be one set of three Marshall samples+++.

++++ Under AASHTO T 308, if an ignition furnace is used, mixture calibration shall be used.

## 2) ADJUSTMENT PERIOD (Test Strip).

- a) During start-up operations, an adjustment period (test strip) as described below shall be required when producing a new job mix formula. The purpose of the adjustment period will be to permit the Supplier to adjust his production process and for Supplier QC personnel and Baldwin County Highway Department QA personnel to calibrate and coordinate their testing procedures. The Supplier has the option of running a test strip or waiving the test strip, if the proposed job mix formula has been produced satisfactorily on previous Baldwin County Highway Department projects. The waiver of a test strip shall be in writing to the County Engineer prior to any production and placement of the previously produced job mix design. The Supplier assumes the risk of milling and relaying unacceptable mix with no additional compensation if the test strip is not utilized.
- b) A test strip of not more than 300 tons shall be produced. Production shall stop until the Supplier has completed one liquid asphalt binder content, one air void content, and gradation. The test results for AC and Air Voids shall meet the requirements in Table 5, 100% pay in the 1 Test column.
- c) For LOT Pay Factor purposes a LOT shall be defined as a single Baldwin County Highway Department project, multiple Baldwin County Highway Department projects (Completed in one day) or one day's production not to exceed a 1000 tons. For testing purposes, a lot shall be defined as 1000 tons (+/- 200 tons). QC/QA testing shall run independent to the Pay Factor LOT when tonnages on one or more Baldwin County Highway Department projects do not exceed 1000 tons. An ongoing tonnage total shall be maintained at each individual plant supplying mix to Baldwin County Highway Department and sampling shall be performed every 500 tons with a minimum of one test per project. When two tests have been completed, along with referee samples if necessary, Pay Factors shall be calculated and applied to tonnage produced on that day. The County Engineer will round a testing increment or a LOT, if necessary, to the nearest truckload of material.

### 3) ACCEPTANCE OR REJECTION.

- a) The recommendation of the County Engineer and decision of the Baldwin County Commission will be final as to the acceptance, rejection, or acceptance at an adjusted payment of each LOT. Upon completion of a LOT (2<sup>nd</sup> test and/or any referee test completed) pay factors shall be calculated and applied only to the mix produced in that day's production. Rejected LOTS could be removed at no cost to the Department and replaced at Baldwin County Highway Department unit price.
- b) The act of sampling shall be the responsibility of the Supplier utilizing the following sample plan. Suppliers shall use the random number method to determine sampling location in the testing increment. If any deviation from the sampling plan occurs Baldwin County Highway Department reserves the right to sample an Independent Verification Sample (IVS) (outside of the scope of the sampling plan) at any time. Any Supplier test sampled from outside the sampling could be rejected and replace with the results of the IVS and used for pay factor computation.

- c) The Supplier shall sample the mixture and split it into three equal samples large enough to run the test required in this specification: The Supplier's primary QC sample (PQCS), Baldwin County Highway Department primary QA sample (PQAS) and a Referee Sample (RS). The portions of mixture for the Baldwin County Highway Department and referee sample shall be bagged, labeled, and stored for testing (max 60 days) if required. Bagged samples shall have the following bag appropriate information accompanying the sample: Date Sampled, Ton Sampled, Truck Sampled, Random Number, Sequential Test Number (STN), Project/Road Name, Mix Type, Baldwin County Highway Department Primary Sample or Referee Sample, copy of the Scale Ticket, and a copy of Suppliers tests results. Baldwin County Highway Department testing increment shall consist of two primary QA samples, split with the primary QC samples, which will represent 1000 tons of mix. Both the QA sample and referee samples will be stored in a dry location by the Supplier for a period of no longer than 14 days and may be disposed of prior to the 14 days if comparison sample results, pay factors and referee issues have been resolved. Baldwin County Highway Department will randomly select one of the two samples stored for testing. Samples will be tested in an ALDOT certified independent lab and results will be compared to the Supplier results for comparison compliance.
- d) If the Supplier's primary QC sample and the Baldwin County Highway Department primary QA sample do not compare within the Acceptable Tolerances listed in Table 4 then the referee sample will be tested at the Suppliers Lab. The referee sample shall be tested jointly by the Supplier and Baldwin County Highway Department's representative and the results shall be used to calculate the pay factor for the lot. All results are final once the referee sample has been tested.
- e) For testing purposes, the PQCS shall be run in the Supplier's lab and Baldwin County Highway Department reserves the right to run the PQAS in an ALDOT approved independent lab or the Suppliers lab. During the adjustment period (Test Strip) the Baldwin County Highway Department will test its PQAS along with the Suppliers PQCS in the Suppliers lab. Also in the case where the results of the PQCS and the results of the PQAS do not compare the Referee Sample will be tested jointly in the Suppliers lab.

**TABLE 4**

COMPARISON OF BCHD AND SUPPLIER TESTING  
TEST ACCEPTABLE TOLERANCES

ASPHALT CONTENT	± 0.30 %
AIR VOIDS	± 0.50 %

**ACCEPTANCE SCHEDULE OF PAYMENT FOR ASPHALT PLANT MIX CHARACTERISTICS.**

**TABLE 5**

ACCEPTANCE SCHEDULE OF PAYMENT FOR ASPHALT PLANT MIX CHARACTERISTICS  
Arithmetic Average of the Absolute Values of Deviations of the LOT Acceptance Tests from Job Mix  
Formula Values

**Asphalt Content\***

LOT Pay Factor ->	1.00	0.98	0.95	0.90	0.80*
1 Test -	0.00-0.62	0.63-0.68	0.69-0.75	0.76-0.88	Over 0.88
2 Tests -	0.00-0.44	0.45-0.48	0.49-0.53	0.54-0.62	Over 0.62

**Voids in Total Mix (Lab. Compacted Samples) \***

LOT Pay Factor ->	1.00	0.98	0.95	0.90	0.80*
1 Test -	0.00-2.50	2.51-2.70	2.71-3.00	3.01-3.5	Over 3.5
2 Tests -	0.00-1.77	1.78-1.91	1.92-2.12	2.13-2.47	Over 2.47

\* If approved by the Baldwin County Commission as recommended by the County Engineer, the Supplier may accept the indicated LOT partial payment. The Baldwin County Commission and/or County Engineer may require removal and replacement. If the LOT pay factor is greater than 0.80, the Supplier has the option to remove at no cost to the Department and to replace at contract unit bid price rather than accepting the reduced LOT payment. The only time the 1 Test row will be used is in the test strip and at the end of the annual contract if the second sample cannot be obtained due to low tonnage.

The lowest Pay Factor of the two criteria shall be applied to the LOT (for pay purposes as defined above).

**BID #WG21-48 SPECIFICATIONS**  
**ALDOT BITUMINOUS PLANT MIX 424**

Bituminous Plant Mix shall be in accordance with applicable portions of Section 410, Section 804 and Section 424 of the Alabama Department of Transportation Standard Specifications for Highway Construction, 2018 Edition, and any ALDOT Special Provisions which may supersede this publication.

Prospective Bidders should bid in accordance with the Alabama Department of Transportation Specifications which includes **Section 109.03 (e)** regarding Bituminous Material Price Adjustments. This Section in effect allows that the Base Bid provided in the bid can be adjusted in accordance with the "Asphalt Index" as reported by ALDOT each month.

All Asphalt Index adjustment calculations shall be provided by the Vendor with each invoice. No invoice will be paid without these calculations.

Test reports shall be furnished daily with the delivery of materials, or as directed by County Engineer.

**CONTRACT PERIOD**

**The bid award will be for 12 months beginning on date of award.**

**BID #WG21-48 SPECIFICATIONS**  
**BALDWIN COUNTY BITUMINOUS PLANT MIX 723**

The work under this Section covers the general requirements that are applicable to all types of hot and warm mix asphalt pavements of the plant mix type. Deviations from these general requirements will be indicated in the specific requirements noted in the following sections of these specifications. If the County Engineer determines there is insufficient Asphalt Cement coating on the aggregate or a lack of sufficient blending of RAP particles with the virgin aggregate because of the high percentage of RAP allowed in this specification and the inherent low temperatures used to produce WMA; the County Engineer may require a new Job Mix Formula (JMF) with a maximum of 20% RAP.

All ALDOT guidelines and policies shall apply to this mix except where noted below.

The ALDOT Standard Specification for Highway Construction shall apply except where noted below

**BC 723 Materials**

**1) RECYCLED ASPHALT PLANT MIX (RAP) AND RECLAIMED ASPHALT SHINGLES (RAS).**

**a) ALLOWABLE USAGE OF RAP AND RAS**

- i) The Supplier shall have the option to use RAP and RAS (Reclaimed Asphalt Shingles) in accordance with the requirements given. The total amount of RAP and RAS shall not exceed 35%.
- ii) The Supplier shall have the option to use any ratio of RAP (Recycled Asphalt Pavement) to virgin material from 0% to 35%.
- iii) RAS shall be limited to 5 % of the total aggregate content when the RAS is consumer waste (from roofing materials) and shall be limited to 5 % of the total aggregate content when the RAS is manufacturing waste.

**2) BLEND OF AGGREGATES.**

**a) GRADATIONS FOR BLEND OF AGGREGATES**

- i) The coarse and fine aggregates, mineral filler, and recycled material shall be combined in a total blend that will produce an acceptable job mix within the gradation limits determined by the maximum and minimum control points shown in the following table.

**TABLE 1**

**Job Mix Formula (JMF) Parameters**

Sieve Size	% Passing By Weight
1/2" {12.5 mm}	100% *
3/8" {9.5 mm}	90% - 97% **
No. 4 {4.75 mm}	61% - 84%
No. 8 {2.36 mm}	41% - 64%
No. 16 {1.18 mm}	32% - 45%
No. 30 {600 $\mu$ m}	21% - 39%
No. 50 {300 $\mu$ m}	10% - 28%
No. 100 {150 $\mu$ m}	6% - 20%
No. 200 {75 $\mu$ m}	4% - 12%

**Notes:**

Mix shall be 100% passing the 1/2" sieve, No Exception,

\*\* Mix shall have a minimum of 3% retained on the 3/8" sieve, No Exceptions. Gradation tolerance of +/- 7% will not apply on the maximum control point unless the JMF is set at 90%; tolerance will extend to 97%

**3) MIX PROPERTIES**

**a) AIR VOIDS (Va)**

- i) The design air voids for this mix shall be 5.00%.

**b) VOIDS IN MINERAL AGGREGATE (VMA)**

- i) The job mix shall be designed to produce a minimum VMA of 16.0 and a maximum of 18.5.

**c) LIQUID ASPHALT BINDER CONTENT (Pb)**

- i) The job mix shall be designed at a minimum Liquid Asphalt Binder Content (Pb) of 5.80% and a maximum Liquid Asphalt Binder Content (Pb) of 7.50%. (Baldwin County has the right to lower the grade of virgin asphalt binder content if needed)

**d) DUST PROPORTION**



- i) The ratio of the percent by weight {mass} of aggregate passing the No. 200 sieve to the effective asphalt content expressed as percent by weight {mass} of the total mix shall be between 0.9 and 1.80 for this mix. These ratio limits apply to both the design and production phases. Effective asphalt content is that asphalt cement not absorbed into the aggregate pore structure and is determined according to Section 4.09 of the Asphalt Institute's, MS-2, *Mix Design Methods for Asphalt Concrete*.

**e) RESISTANCE TO MOISTURE INDUCED DAMAGE**

- i) All mixes shall be designed and produced to have a tensile strength ratio (TSR) of at least 0.80 when compacted according to ALDOT-307 at seven percent air voids and tested in accordance with AASHTO T 283 as modified by ALDOT-361. If either TSR fails in production (Suppliers or Baldwin County Highway Department representatives) another TSR will be run out of the referee sample, jointly by the Supplier and Baldwin County Highway Department representatives in the Suppliers lab. If that TSR fails the Baldwin County Commission and/or County Engineer shall determine whether the Supplier shall remove the tonnage in the lot at no cost to Baldwin County Highway Department or leave it in place at a pay reduction.

**4) DESIGN PROCEDURES**

- a) The 50 Blow Marshall Mix Design Method shall be used for this mix. The minimum Marshall Stability shall be 1600 and the flow values shall be 8 to 18.

Prospective Bidders should bid in accordance with the Alabama Department of Transportation Specifications which includes **Section 109.03 (e)** regarding Bituminous Material Price Adjustments. This Section in effect allows that the Base Bid provided in the bid can be adjusted in accordance with the "Asphalt Index" as reported by ALDOT each month.

All Asphalt Index adjustment calculations shall be provided by the Vendor with each invoice. No invoice will be paid without these calculations.

Test reports shall be furnished daily with the delivery of materials, or as directed by County Engineer.

**CONTRACT PERIOD**

**The bid award will be for 12 months beginning on date of award.**

**Bid WG21-47 shall be used in conjunction with bid WG21-49. Awarded bidder(s) of each bid shall work together to accomplish scope of work as directed by Baldwin County.**

**OPTION 1**

For OPTION 1, the contractor shall begin work within 14 calendar days of issuance of Notice to Proceed, unless otherwise directed in writing by the County. If the contractor does not or cannot start work within 14 calendar days, the County reserves the option, at their sole discretion, to use the Secondary Vendor to perform the work, by doing so the County will not violate Bid Specifications. This in no way relieves the bidder from performing work as needed for the County.

All costs and expenses related to the contractor's failure to begin work on time, including without limitation mobilization costs, shall be borne solely by the contractor and the County shall not be responsible or liable for any such costs or expenses.

**OPTION 2**

For OPTION 2, the contractor shall begin work within 7 calendar days of issuance of Notice to Proceed, unless otherwise directed in writing by the County. If the contractor does not or cannot start work within 7 calendar days, the County reserves the option, at their sole discretion, to use the Secondary Vendor to perform the work, by doing so the County will not violate Bid Specifications. This in no way relieves the bidder from performing work as needed for the County.

All costs and expenses related to the contractor's failure to begin work on time, including without limitation mobilization costs, shall be borne solely by the contractor and the County shall not be responsible or liable for any such costs or expenses.

**BID #WG21-48 RESPONSE FORM**

Provision of Labor and Equipment for Asphalt Placement

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Date: \_\_\_\_\_

Out of State        Yes or        No If yes, Registration Number \_\_\_\_\_

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

Company Rep: \_\_\_\_\_

(Rep. Name Typed or Printed)

Position: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

Financing through another agency beside yourself        Yes or   x   No

If yes, must attach a copy of the financing agreement and all conditions to this response form.

\_\_\_\_\_  
Financing Agency Authorized Signature

## PAVING BID (OPTION 1)

1. Price per ton to place hot plant mix on a prepared roadway base (dirt or gravel) surface. Price to include all labor and equipment (including traffic control) required to clean roadway, spread, and compact the asphalt material in place in compliance with the applicable section of the ALDOT specifications, and specifications regarding testing contained herein.

### BC-723 Baldwin County Bituminous plant mix

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

### 424A-336 Superpave Bituminous Concrete Wearing Surface Layer, 3/8" Maximum Aggregate Size Mix, ESAL Range A/B

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

### 424A-340 Superpave Bituminous Concrete Wearing Surface Layer, 1/2" Maximum Aggregate Size Mix, ESAL Range A/B

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424A-341 Superpave Bituminous Concrete Wearing Surface Layer,  
3/4" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424B-635 Superpave Bituminous Concrete Upper Binder Layer, 3/4"  
Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424B-636 Superpave Bituminous Concrete Upper Binder Layer, 1"  
Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424B 637 Superpave Bituminous Concrete Upper Binder Layer, 1  
1/2" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

### PAVING BID (OPTION 1)

2. Price per ton, including tack coat, to place hot plant mix on an existing paved roadway surface (ditch section). Price to include all labor and equipment (including traffic control) required to clean and prepare roadway (including clipping), spread and compact the asphalt material in place in compliance with the applicable section of the ALDOT specifications, and specifications regarding testing contained herein.

#### BC-723 Baldwin County Bituminous plant mix

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

#### 424A-336 Superpave Bituminous Concrete Wearing Surface Layer, 3/8" Maximum Aggregate Size Mix, ESAL Range A/B

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

#### 424A-340 Superpave Bituminous Concrete Wearing Surface Layer, 1/2" Maximum Aggregate Size Mix, ESAL Range A/B

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton

501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424A-341 Superpave Bituminous Concrete Wearing Surface Layer, 3/4" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424B-635 Superpave Bituminous Concrete Upper Binder Layer, 3/4" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424B-636 Superpave Bituminous Concrete Upper Binder Layer, 1" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424B 637 Superpave Bituminous Concrete Upper Binder Layer, 1 1/2" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton

151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

### **PAVING BID (OPTION 1)**

3. Price per ton, including tack coat, to place hot plant mix on an existing paved roadway surface (Curb Section). Price to include all labor and equipment (including traffic control) required to clean and prepare roadway, spread and compact the asphalt material in place in compliance with the applicable section of the ALDOT specifications, and specifications regarding testing contained herein.

#### **BC-723 Baldwin County Bituminous plant mix**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

#### **424A-336 Superpave Bituminous Concrete Wearing Surface Layer, 3/8" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

#### **424A-340 Superpave Bituminous Concrete Wearing Surface Layer, 1/2" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton



151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424A-341 Superpave Bituminous Concrete Wearing Surface Layer, 3/4" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424B-635 Superpave Bituminous Concrete Upper Binder Layer, 3/4" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424B-636 Superpave Bituminous Concrete Upper Binder Layer, 1" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424B-637 Superpave Bituminous Concrete Upper Binder Layer, 1 1/2" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
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51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

#### **PAVING BID (OPTION 1)**

4. Price per ton to widen an existing paved roadway at the width and rate requested by the Baldwin County Highway Department. Price to include all labor and equipment (including traffic control) required to notch out edge of pavement, clean roadway, spread and compact the asphalt material in place in compliance with the applicable section of the ALDOT specifications, and specifications regarding testing contained herein.

#### **BC-723 Baldwin County Bituminous plant mix**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

#### **424A-336 Superpave Bituminous Concrete Wearing Surface Layer, 3/8" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

#### **424A-340 Superpave Bituminous Concrete Wearing Surface Layer, 1/2" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
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51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424A-341 Superpave Bituminous Concrete Wearing Surface Layer, 3/4" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424B-635 Superpave Bituminous Concrete Upper Binder Layer, 3/4" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424B-636 Superpave Bituminous Concrete Upper Binder Layer, 1" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424B-637 Superpave Bituminous Concrete Upper Binder Layer, 1 1/2" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

#### **PAVING BID (OPTION 1)**

5. Price per ton, including tack coat, to perform spot leveling on an existing paved roadway surface at rate specified by the Baldwin County Highway Department. Price to include all labor and equipment (including traffic control) required to clean roadway, spread and compact the asphalt material in place in compliance with the applicable section of the ALDOT specifications, and specifications regarding testing contained herein.

#### **BC-723 Baldwin County Bituminous plant mix**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

#### **424A-336 Superpave Bituminous Concrete Wearing Surface Layer, 3/8" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
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#### **424A-340 Superpave Bituminous Concrete Wearing Surface Layer, 1/2" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
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**424A-341 Superpave Bituminous Concrete Wearing Surface Layer,  
3/4" Maximum Aggregate Size Mix, ESAL Range A/B**

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**424B-635 Superpave Bituminous Concrete Upper Binder Layer, 3/4"  
Maximum Aggregate Size Mix, ESAL Range A/B**

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151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424B-636 Superpave Bituminous Concrete Upper Binder Layer, 1"  
Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424B-637 Superpave Bituminous Concrete Upper Binder Layer, 1  
1/2" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**PAVING BID (OPTION 2)**

1. Price per ton to place hot plant mix on a prepared roadway base (dirt or gravel) surface. Price to include all labor and equipment (including traffic control) required to clean roadway, spread, and compact the asphalt material in place in compliance with the applicable section of the ALDOT specifications, and specifications regarding testing contained herein.

**BC-723 Baldwin County Bituminous plant mix**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424A-336 Superpave Bituminous Concrete Wearing Surface  
Layer, 3/8" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton

501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424A-340 Superpave Bituminous Concrete Wearing Surface Layer, 1/2" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424A-341 Superpave Bituminous Concrete Wearing Surface Layer, 3/4" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424B-635 Superpave Bituminous Concrete Upper Binder Layer, 3/4" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424B-636 Superpave Bituminous Concrete Upper Binder Layer, 1" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
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51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424B 637 Superpave Bituminous Concrete Upper Binder Layer, 1 1/2" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**PAVING BID (OPTION 2)**

2. Price per ton, including tack coat, to place hot plant mix on an existing paved roadway surface (ditch section). Price to include all labor and equipment (including traffic control) required to clean and prepare roadway (including clipping), spread and compact the asphalt material in place in compliance with the applicable section of the ALDOT specifications, and specifications regarding testing contained herein.

**BC-723 Baldwin County Bituminous plant mix**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424A-336 Superpave Bituminous Concrete Wearing Surface Layer, 3/8" Maximum Aggregate Size Mix, ESAL Range A/B**



0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424A-340 Superpave Bituminous Concrete Wearing Surface Layer, 1/2" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424A-341 Superpave Bituminous Concrete Wearing Surface Layer, 3/4" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424B-635 Superpave Bituminous Concrete Upper Binder Layer, 3/4" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424B-636 Superpave Bituminous Concrete Upper Binder Layer,  
1" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424B 637 Superpave Bituminous Concrete Upper Binder Layer, 1  
1/2" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**PAVING BID (OPTION 2)**

3. Price per ton, including tack coat, to place hot plant mix on an existing paved roadway surface (Curb Section). Price to include all labor and equipment (including traffic control) required to clean and prepare roadway, spread and compact the asphalt material in place in compliance with the applicable section of the ALDOT specifications, and specifications regarding testing contained herein.

**BC-723 Baldwin County Bituminous plant mix**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424A-336 Superpave Bituminous Concrete Wearing Surface Layer, 3/8" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424A-340 Superpave Bituminous Concrete Wearing Surface Layer, 1/2" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424A-341 Superpave Bituminous Concrete Wearing Surface Layer, 3/4" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424B-635 Superpave Bituminous Concrete Upper Binder Layer, 3/4" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton

1001 tons & above    \$ \_\_\_\_\_ Per Ton

**424B-636 Superpave Bituminous Concrete Upper Binder Layer,  
1" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$ _____	Per Ton
51-150 tons	\$ _____	Per Ton
151-500 tons	\$ _____	Per Ton
501-1000 tons	\$ _____	Per Ton
1001 tons & above	\$ _____	Per Ton

**424B-637 Superpave Bituminous Concrete Upper Binder Layer, 1  
1/2" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$ _____	Per Ton
51-150 tons	\$ _____	Per Ton
151-500 tons	\$ _____	Per Ton
501-1000 tons	\$ _____	Per Ton
1001 tons & above	\$ _____	Per Ton

**PAVING BID (OPTION 2)**

4. Price per ton to widen an existing paved roadway at the width and rate requested by the Baldwin County Highway Department. Price to include all labor and equipment (including traffic control) required to notch out edge of pavement, clean roadway, spread and compact the asphalt material in place in compliance with the applicable section of the ALDOT specifications, and specifications regarding testing contained herein.

**BC-723 Baldwin County Bituminous plant mix**

0-50 tons	\$ _____	Per Ton
51-150 tons	\$ _____	Per Ton
151-500 tons	\$ _____	Per Ton

501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424A-336 Superpave Bituminous Concrete Wearing Surface Layer, 3/8" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424A-340 Superpave Bituminous Concrete Wearing Surface Layer, 1/2" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424A-341 Superpave Bituminous Concrete Wearing Surface Layer, 3/4" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424B-635 Superpave Bituminous Concrete Upper Binder Layer, 3/4" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton

151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424B-636 Superpave Bituminous Concrete Upper Binder Layer,  
1" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424B-637 Superpave Bituminous Concrete Upper Binder Layer, 1  
1/2" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**PAVING BID (OPTION 2)**

5. Price per ton, including tack coat, to perform spot leveling on an existing paved roadway surface at rate specified by the Baldwin County Highway Department. Price to include all labor and equipment (including traffic control) required to clean roadway, spread and compact the asphalt material in place in compliance with the applicable section of the ALDOT specifications, and specifications regarding testing contained herein.

**BC-723 Baldwin County Bituminous plant mix**

0-50 tons	\$	Per Ton
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51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424A-336 Superpave Bituminous Concrete Wearing Surface Layer, 3/8" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424A-340 Superpave Bituminous Concrete Wearing Surface Layer, 1/2" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424A-341 Superpave Bituminous Concrete Wearing Surface Layer, 3/4" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424B-635 Superpave Bituminous Concrete Upper Binder Layer, 3/4" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424B-636 Superpave Bituminous Concrete Upper Binder Layer,  
1" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton

**424B-637 Superpave Bituminous Concrete Upper Binder Layer, 1  
1/2" Maximum Aggregate Size Mix, ESAL Range A/B**

0-50 tons	\$	Per Ton
51-150 tons	\$	Per Ton
151-500 tons	\$	Per Ton
501-1000 tons	\$	Per Ton
1001 tons & above	\$	Per Ton