

**MOBILE COUNTY
ENGINEERING DEPARTMENT**

**QC/QA
REVIEW 2025**

QC/QA REQUIRED FORMS

Wearing Surface Example

MOBILE COUNTY ENGINEERING DEPARTMENT QC/QA LOT COVER SHEET (WEARING)

PROJECT No.: [REDACTED]

PROJECT NAME: [REDACTED]

ENGINEERING: [REDACTED]

CONTRACTOR: H. O. WEAVER & SONS, INC.

LOT NUMBER: 1

DATE OF PLACEMENT: 5/6/2024 - 5/9/2024

<u>ITEM</u>	<u>COMPLETED BY</u>	<u>COMPLETED AT</u>	<u>ENGINEERS OFFICE (✓)</u>	<u>MOBILE COUNTY (✓)</u>
COVER SHEET	ENGINEER	OFFICE	✓	✓
MIX DESIGN	TESTING LAB	TESTING LAB	✓	✓
MC-LS-1 & 2	INSPECTOR	PROJECT	✓	✓
ADDING MACHING TAPE (copies only)	ENGINEER	OFFICE	✓	✓
ASPHALT TICKETS (copies only)	ENGINEER	OFFICE	✓	✓
BMT-4	INSPECTOR	PROJECT	✓	✓
BMT-19	ENGINEER	OFFICE	✓	✓
BMT-20	CONTRACTOR	PLANT	✓	✓
BMT-20	TESTING LAB	PLANT	✓	✓
MC-CDW	TESTING LAB	PLANT	✓	NA
QC/QA-1	ENGINEER	OFFICE	✓	✓
QC/QA-3	ENGINEER	OFFICE	✓	✓

See Current
Cover Sheets



H. O. Weaver & Sons, Inc.

P.O. Box 8039 • Mobile, Alabama 36689-0039
(251) 342-3025 • Fax (251) 342-0108



April 11, 2024



RE: MCR

Request to Waive Core Densities

Dear Sir:

We are requesting that the core densities be waived for all asphalt mixes for this project. We have used these mixes on several projects in the past, and they have performed very well.

Should you have any questions please do not hesitate to call.

Sincerely,

Wilson Beard
Quality Control Superintendent



[REDACTED]

April 11, 2024

Mr. Johnny Harper, P.E.
Mobile County Engineering Department
Mobile Government Plaza
6th Floor South Tower
205 Government Street
Mobile, Alabama 36644

RE: *MOBILE COUNTY PROJECT* [REDACTED] *MAY DENSITY WAIVER*

Dear Mr. Harper,

H. O. Weaver & Sons, Inc. (Contractor) requested that densities be waived for the above referenced project. It is recommended that this be approved to mitigate potential failure to aged infrastructure that is located under the proposed street that is being resurfaced.

If you have any questions or require additional information or need, please call me

Sincerely,

[REDACTED]

Project Manager



H. O. Weaver & Sons, Inc.

P.O. Box 8039 • Mobile, Alabama 36689-0039
(251) 342-3026 • Fax (251) 342-0108



April 11, 2024

Mr. [REDACTED]

RE: MCR [REDACTED]

Delivery Temperature Letter

Dear Sir,

Please find the attached Asphalt Job Mix Formulas to be used on the above referenced project:

Pay Item	Description	Delivery Temperature
424-A1	½" Superpave Wearing Surface Layer, ESAL A/B	250° to 350°F
424-A2	½" Superpave Binder Layer, Patching ESAL A/B	250° to 350°F

The above mixes are to be manufactured by H. O. Weaver & Sons, Inc., Plant #1, Mobile, Alabama.

Should you have any questions please do not hesitate to call.

Sincerely,

Wilson Beard
Quality Control Superintendent

APPROVED

William I. Pope, Jr.
Pope Testing Services
4/11/24





Kay Ivey
Governor

Alabama Department of Transportation
Materials Testing Report
Sample Card No: 1068082 Sample Type: Job Control
Approval Date: 09/20/2023
Addendum-1



John R. Cooper
Transportation Director

Contract ID: 20221202032
Project No: 99-609-022-042-201, RP-NH-HSIP-0042(534)
Prime Contractor: H. O. WEAVER & SONS, INC.
Inspection Analysis of: SUPERPAVE, WEARING
Material Code: 424.02_001
Producer/Supplier: [REDACTED]
Sampled From: STOCKPILE
Intended Use: SURFACE/U.BINDER/L.BINDER/BASE/PLW

Region/Area: Mobile
County: BALDWIN
Project Manager: Miller, Dakota - 15742
Sampled By: Vinson, Jackie - 11097
Date Sampled: 02/07/2023
Date Tested: 09/20/2023
Qty Represented: UNK

Gyratory Compactor (HMA4302D)

Lab Reference Number GH-0031-23	Date Expires: 09/20/2025
Contractor's Address: H.O. WEAVER & SONS, INC.	Date: 02/07/2023
P.O. BOX 8039	Producer: H.O. WEAVER & SONS, INC.
MOBILE, AL 36689	Plant: CUT-OFF RD/THEODORE/ATMOR
Section: 424 A/B, C/D	Intended Use: **
Max. Size Aggregate: 1/2"	Binder Grade: PG 67-22 HUNT
Metric Aggregate Size: 12.5MM	Specific Gravity of AC: 1.038

% (Approx)	Description	I.D.#	Source	BPN-9
15.	CRUSHED GRAVEL	1441-K	GLENN BRADFORD GRAVEL; JACKSON, AL	
11	FINE GRAVEL	1777	P&R MINING; ATMORE, AL	
23	SAND	1777	P&R MINING; ATMORE, AL	
22	LIMESTONE SCRNS	0315	APAC-MAYLENE QUARRY; MAYLENE, AL	26
8	MOD. #78 LIMESTONE	0315	APAC-MAYLENE QUARRY; MAYLENE, AL	26
0.5	BAGHOUSE FINES		PLANT	
20	RAP		STOCKPILE #23-9-1	

Job Mix:		Other Information:		Note:
Sieves	% Passing	% AC Required	5.50*	
1 1/2" (37.5 mm)		AC Req'd/Ton, lbs/MT, kg	110.0 55.0	
1" (25.0 mm)		Max. Sp. Gr. Mix	2.485	*4.50% PG 67-22
3/4" (19.0 mm)		Wt., lbs/Mass, kg/m ³	148.3 2375.	must be added to the mix. The remaining 1.00% comes from the RAP. comes from RAS.
1/2" (12.5 mm)	100	TSR	0.95	
3/8" (9.5 mm)	93	Anti-Strip	0.50	
#4 (4.75 mm)	68	AD 7700		#Gyrations: 60 %Gmm: 95.9
#8 (2.36 mm)	***52	Effective AC	5.04	
#16 (1.18 mm)	***39	Dust/Asphalt Ratio	0.99	Additional Notes:
#30 (600 µm)	***30	Coarse Agg. Angularity	96/91	MIXING TEMP 325°F GH-0031-23 **SURFACE/UPPER BINDER/LOWER BINDER/BASE/PATCHING, LEVELING, WIDENING
#50 (300 µm)	14	Fine Agg. Angularity	45	
#100 (150 µm)	7	Agg Bulk SG	2.672	
#200 (75 µm)	5.0	% VMA	15.5	*** (CHANGE MADE AT REQUEST OF CONTR. EFF 9/20/23)

Hot-Mix Asphalt Engineer:

Materials Engineer Approval: _____

Pay Items: 424-A1, 424-A2

Pay Items: 424A360, 424A369

Standard Remarks: This material has been tested in accordance with ALDOT specifications.

Approved By: Hale, William - 17266

Signature: _____

Armstead, William - 13377
Testing Engineer

ITEM #: 424-A1
 PROJECT No.: MCR
 DATE: 5/6/2024

CONTRACTOR: H. O. WEAVER & SONS, INC. TACK IN: 1450
 DESCRIPTION: Wearing TACK OUT: 1065

MC-LS-1 REVISED 9-9-11

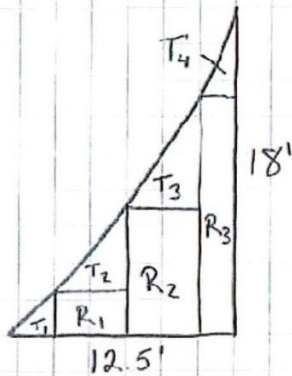
TEMP: 170

Load #	WIDTH	STA	STA	SQ. YD	SQ. YD DAY	5000 SQYD	TICKET #	TRUCK#	TONS	TONS DAY	TONS DATE	YIELD	YIELD DAY	5000 SY RATE
1	12.5	0 + 18	2 + 13	270.83	270.83		1580736	DTC04	25.68	25.68				
RADIUS 1		0 + 18		11.25	282.08							182.08	182.08	
2	12.5	2 + 13	4 + 30	301.39	583.47		1580738	DTC01	25.19	50.87		167.16	174.37	
3	12.5	4 + 30	6 + 30	277.78	861.25		1580734	DTC03	25.10	75.97		180.72	176.42	
4	12.5	6 + 30	8 + 60	319.44	1180.69		1580740	TR-01	25.00	100.97		156.52	171.04	
5	12.5	8 + 60	10 + 60	277.78	1458.47		1580741	TR-03	25.04	126.01		180.29	172.80	
6	12.5	10 + 60	12 + 60	277.78	1736.25		1580742	RS-01	25.10	151.11		180.72	174.06	
7	12.5	12 + 60	13 + 10	69.44	1805.69		1580743	RS-02	25.17	176.28				
	12.5	3 + 00	4 + 15	159.72	1965.41							219.67	179.38	
8	12.5	4 + 15	6 + 45	319.44	2284.85		1580758	DTC04	26.08	202.36		163.29	177.13	
9	12.5	6 + 45	8 + 65	305.56	2590.41		1580760	1765	25.04	227.40		163.90	175.57	
10	12.5	8 + 65	10 + 95	319.44	2909.85		1580763	DTC01	26.19	253.59		163.97	174.30	
11	12.5	10 + 95	13 + 10	298.61	3208.46		1580762	TR-01	25.05	278.64		167.78	173.69	
12	12.5	5 + 50	7 + 70	305.56	3514.02		1580764	TR-03	25.16	303.80		164.68	172.91	
13	12.5	7 + 70	10 + 00	319.44	3833.46		1580769	RS-01	24.99	328.79		156.46	171.54	
14	12.5	10 + 00	12 + 20	305.56	4139.02		1580770	RS-02	25.34	354.13		165.86	171.12	
15	12.5	12 + 20	13 + 10	125.00	4264.02	4264.02	1580771	DTC03	25.62	379.75	379.75	409.92	178.12	178.12

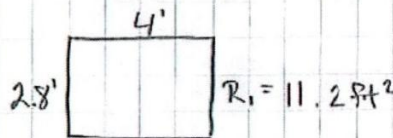
N 4th St

May 6

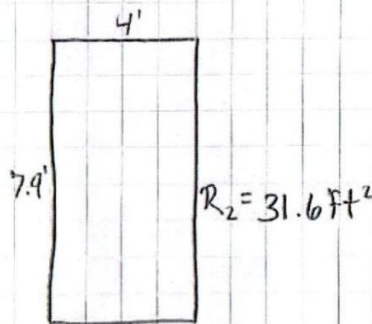
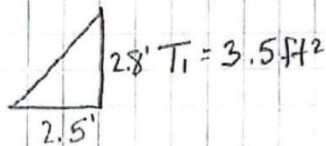
Radius #1; 0+18 LT



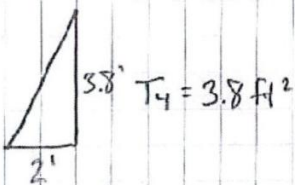
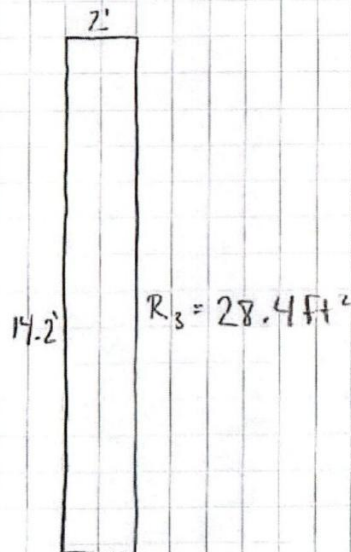
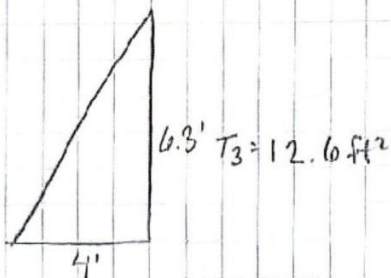
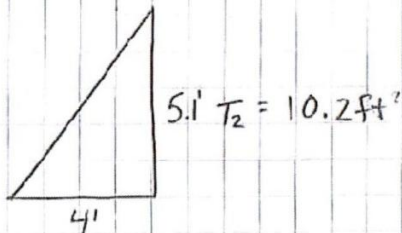
$$Total = \frac{101.3 \text{ ft}^2}{9 \frac{\text{ft}^2}{\text{sy}}} = \boxed{11.25 \text{ sy}} \quad \checkmark$$



$$T_1 = 1/2 b h = 0.5(2.8)(2.5) = 3.5 \text{ ft}^2$$



$$R_1 = L \times W = 4(2.8) = 11.2 \text{ ft}^2$$



MCR [REDACTED] RESURFACING						
424-A1 1/2" Mix Wearing, Fourth St						
Adding Machine Tape Totalling Asphalt Used						
<u>Date</u>	<u>Load</u>	<u>Tons</u>	<u>Cum tons</u> <u>per day</u>		<u>Lbs</u>	<u>Cum lbs</u>
5/6/2024	1	25.10	25.10		50200	50200
5/6/2024	2	25.68	50.78		51360	101560
5/6/2024	3	25.19	75.97		50380	151940
5/6/2024	4	25.00	100.97		50000	201940
5/6/2024	5	25.04	126.01		50080	252020
5/6/2024	6	25.10	151.11		50200	302220
5/6/2024	7	25.17	176.28		50340	352560
5/6/2024	8	26.08	202.36		52160	404720
5/6/2024	9	25.04	227.40		50080	454800
5/6/2024	10	25.05	252.45		50100	504900
5/6/2024	11	26.19	278.64		52380	557280
5/6/2024	12	25.16	303.80		50320	607600
5/6/2024	13	24.99	328.79		49980	657580
5/6/2024	14	25.34	354.13		50680	708260
5/6/2024	15	25.62	379.75	✓	51240	759500

1

From L

return
start

347°F

5/6/24

1580736

WARNING: Hot Mix Asphalt Material may cause burns. Material may release toxic Hydrogen Sulfide (H₂S) Gas. Prolonged or repeated skin contact may be harmful. See Hot Mix Asphalt MSDS for additional information.

H.O. Weaver & Sons Inc.
1920 Cutoff Rd.
Mobile AL. 36601
251-452-1006

10:25
300 °F
3 Axels
JH

BD
DS

Ticket: 1580736
Date: 5/6/2024
Time: 9:23:32 AM

Job#: 2239

MCR-

Truck: DTC04

2 LOADS:

Material: 424-A1

Job Totals: 50.78 Tons



*GROSS 40.41 Tons 80820 lbs.
*
*TARE 14.73 Tons 29460 lbs.
*
*NET 25.68 Tons 51360 lbs.

Weighmaster:

Payment for the goods and services shown above is due no later than thirty (30) days following this date. By acceptance of these goods and services Purchaser agrees to pay interest at the rate of 18% per annum, (1 1/2% per month), together with all costs of collection including a reasonable attorney's fee if payment is not paid to H.O. Weaver & Sons, Inc., when due.

Comments:

Signed:

BD
DS

2

Truck 2

5/6/24

T² 339°F 1580738

WARNING: Hot Mix Asphalt Material may cause burns. Material may release toxic Hydrogen Sulfide (H₂S) Gas. Prolonged or repeated skin contact may be harmful. See Hot Mix Asphalt MSDS for additional information.

H.O. Weaver & Sons Inc.
1920 Cutoff Rd.
Mobile AL. 36601
251-452-1006

10:30
290 °F
3 Axels
JH

BD
DS

Ticket: 1580738
Date: 5/6/2024
Time: 9:29:38 AM

Job#: 2239

MCR-

Truck: DTC01

3 LOADS:

Material: 424-A1

Job Totals: 75.97 Tons



*GROSS 39.68 Tons 79360 lbs.
*
*TARE 14.49 Tons 28980 lbs.
*
*NET 25.19 Tons 50380 lbs.

Weighmaster:

Payment for the goods and services shown above is due no later than thirty (30) days following this date. By acceptance of these goods and services Purchaser agrees to pay interest at the rate of 18% per annum, (1 1/2% per month), together with all costs of collection including a reasonable attorney's fee if payment is not paid to H.O. Weaver & Sons, Inc., when due.

Comments:

Signed:

BD
DS

12

Truck 3
5/6
Temp: 36°F
1580734

WARNING: Hot Mix Asphalt Material may cause burns. Material may release toxic Hydrogen Sulfide (H2S) Gas. Prolonged or repeated skin contact may be harmful. See Hot Mix Asphalt MSDS for additional information.

PP
P.T.S

H.O. Weaver & Sons Inc.
1920 Cutoff Rd.
Mobile AL. 36601
251-452-1006

Ticket: 1580734
Date: 5/6/2024
Time: 9:17:35 AM

Job#: 2239

MCR- [REDACTED]

Truck: DTC03 1 LOADS:

Material: 424-A1

Job Totals: 25.10 Tons



*GROSS 40.19 Tons 80380 lbs.
*
*TARE 15.09 Tons 30180 lbs.
*
*NET 25.10 Tons 50200 lbs.

Weighmaster:

Comments:

Payment for the goods and services shown above is due no later than thirty (30) days following this date. By acceptance of these goods and services Purchaser agrees to pay interest at the rate of 18% per annum, (1 1/2% per month), together with all costs of collection including a reasonable attorney's fee if payment is not paid to H.O. Weaver & Sons, Inc., when due.

Signed: [Signature]

Truck 4
5/6
Temp: 35°F
1580740

WARNING: Hot Mix Asphalt Material may cause burns. Material may release toxic Hydrogen Sulfide (H2S) Gas. Prolonged or repeated skin contact may be harmful. See Hot Mix Asphalt MSDS for additional information.

PP
P.T.S

H.O. Weaver & Sons Inc.
1920 Cutoff Rd.
Mobile AL. 36601
251-452-1006

Ticket: 1580740
Date: 5/6/2024
Time: 9:33:21 AM

Job#: 2239

MCR- [REDACTED]

Truck: TR-01 4 LOADS:

Material: 424-A1

Job Totals: 100.97 Tons



*GROSS 39.84 Tons 79680 lbs.
*
*TARE 14.84 Tons 29680 lbs.
*
*NET 25.00 Tons 50000 lbs.

Weighmaster:

Comments:

Payment for the goods and services shown above is due no later than thirty (30) days following this date. By acceptance of these goods and services Purchaser agrees to pay interest at the rate of 18% per annum, (1 1/2% per month), together with all costs of collection including a reasonable attorney's fee if payment is not paid to H.O. Weaver & Sons, Inc., when due.

Signed: [Signature]

T= 365 F

Truck 3

WARNING: Hot Mix Asphalt Material may cause burns. Material may release toxic Hydrogen Sulfide (H₂S) Gas. Prolonged or repeated skin contact may be harmful. See Hot Mix Asphalt MSDS for additional information.

1580741

BP
PTS

H.O. Weaver & Sons Inc.
1920 Cutoff Rd.
Mobile AL. 36601
251-452-1006

Ticket: 1580741
Date: 5/6/2024
Time: 9:37:00 AM

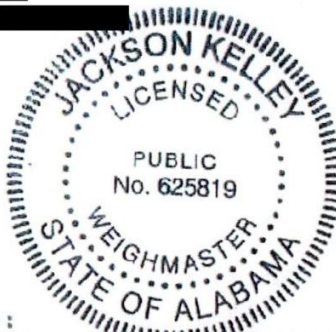
Job#: 2239

MCR- [REDACTED]

Truck: TR-03 5 LOADS:

Material: 424-A1

Job Totals: 126.01 Tons



*GROSS 39.55 Tons 79100 lbs.
*
*TARE 14.51 Tons 29020 lbs.
*
*NET 25.04 Tons 50080 lbs.

Weighmaster:

Payment for the goods and services shown above is due no later than thirty (30) days following this date. By acceptance of these goods and services Purchaser agrees to pay interest at the rate of 18% per annum, (1 1/2% per month), together with all costs of collection including a reasonable attorney's fee if payment is not paid to H.O. Weaver & Sons, Inc., when due.

Comments:

Signed: [Signature]

Truck 6

T= 365 F

WARNING: Hot Mix Asphalt Material may cause burns. Material may release toxic Hydrogen Sulfide (H₂S) Gas. Prolonged or repeated skin contact may be harmful. See Hot Mix Asphalt MSDS for additional information.

1580742

BP
PTS

H.O. Weaver & Sons Inc.
1920 Cutoff Rd.
Mobile AL. 36601
251-452-1006

Ticket: 1580742
Date: 5/6/2024
Time: 9:49:21 AM

Job#: 2239

MCR- [REDACTED]

Truck: RS-01 6 LOADS:

Material: 424-A1

Job Totals: 151.11 Tons



*GROSS 39.97 Tons 79940 lbs.
*
*TARE 14.87 Tons 29740 lbs.
*
*NET 25.10 Tons 50200 lbs.

Weighmaster:

Payment for the goods and services shown above is due no later than thirty (30) days following this date. By acceptance of these goods and services Purchaser agrees to pay interest at the rate of 18% per annum, (1 1/2% per month), together with all costs of collection including a reasonable attorney's fee if payment is not paid to H.O. Weaver & Sons, Inc., when due.

Comments:

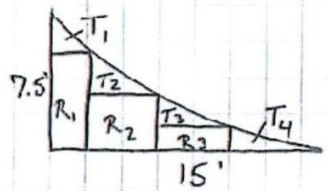
Signed: [Signature]

N 4th St

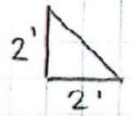
Radius # 6: 26 + 91 RT

**(NOT IN PACKET
JUST AN EXAMPLE)**

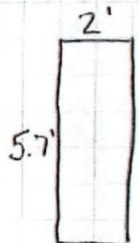
May 8



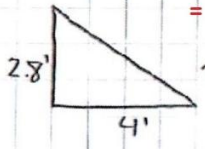
$$\text{Total} = \frac{38.6 \text{ ft}^2}{9 \frac{\text{ft}^2}{\text{sy}}} = \boxed{4.29 \text{ sy}} \quad \checkmark$$



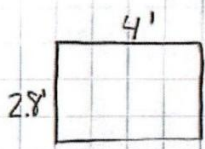
$$\begin{aligned} T_1 &= 2 \text{ ft}^2 \\ &= 1/2(b)(h) \\ &= 0.5(2)(2) \\ &= 2 \text{ ft}^2 \end{aligned}$$



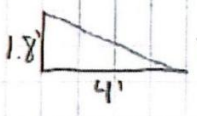
$$\begin{aligned} R_1 &= 11.4 \text{ ft}^2 \\ &= L \times W \\ &= 2 \times 5.7 \\ &= 11.4 \text{ ft}^2 \end{aligned}$$



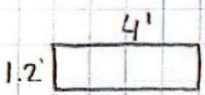
$$T_2 = 5.6 \text{ ft}^2$$



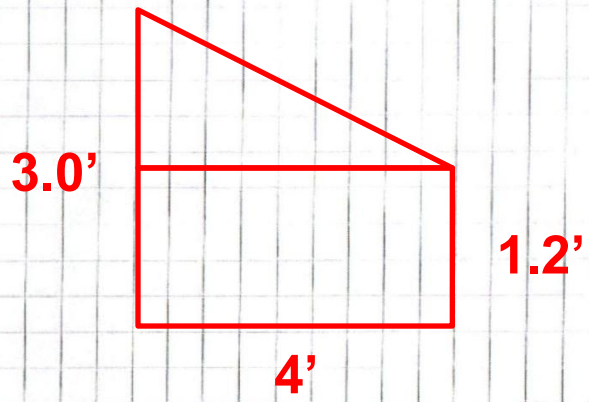
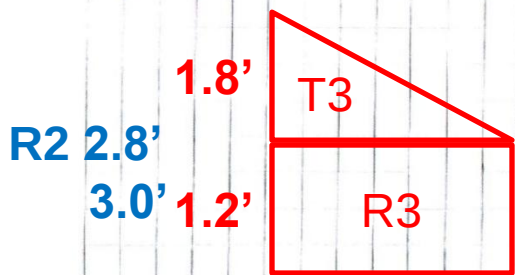
$$R_2 = 11.2 \text{ ft}^2$$



$$T_3 = 3.6 \text{ ft}^2$$



$$R_3 = 4.8 \text{ ft}^2$$



**MOBILE COUNTY PUBLIC WORKS
ENGINEERING DEPARTMENT**

RESURFACING PROJECTS ONLY PLANT MIX DAILY PLACEMENT REPORT

Date 5/6/2024
 Project No. MCR Project Name
 Contractor H. O. WEAVER & SONS, INC. Total Tons in Contract 1270
 Producer H. O. WEAVER & SONS, INC.
 Weather Today Partly Cloudy Low 70 °F High 88 °F

Tack Coat

Place Today: STA 0 + 18 STA 13 + 10
 Length: 3067 ft Width: 12.5 ft Area: 4264.02 ✓ sq.yds.
 Today: 374.41 ✓ gallons Rate: 0.09 gallons per sq.yds.
 From Previous Report: 0 gallons 0 sq.yds.
 To Date: 374.41 ✓ gallons 4264.02 sq.yds.

Plant Mix

Asphalt Placed Today: 379.75 ✓ Tons 759500 lbs.
 Previous report: 0 Tons Delivery Temp: 371 °F Highest 300 °F Lowest
 To Date: 379.75 ✓ Tons 759500 lbs.
 Pay Item Number: 424-A1 Mix No.: 1/2" Lot No.: 1

Yield Each 5000 S.Y. (Approximate) This Date

Yeild	STA	STA	Length	Width	SQ.YD.	Tons	Pounds	Rate (lbs/sqyd)	Required Rate
1	0 + 18	13 + 10	3067	12.5	4264.02	379.75 ✓	759500	178.12 ✓	150
2									
3									
4									
5									
6									
7									
8									
9									
10									

Remarks: _____

Inspector: _____ Project Engineer: _____

Plan Rate	Actual Rate	Square Yards	No Leveling used put 15, If Leveling used put 10	
150.00	178.83	4264.02	10.00	
ASPHALT RATE CORRECTIONS 50% Rate of Deduction				
1st Tier				
Actual Rate	Rate + Allowed lbs	Lbs./Sq.Yd.	Square Yards	Total Lbs.
178.83	160.00	28.83	4264.02	122931.70
Tons (within range)	Tons Deducted			
61.47	30.74			
		Total Deductions		
		30.74		

BMT-19

Mobile County Engineering Department

Worksheet Summary of Lot Test Results for
Air Voids and AC ContentProject Number MCR [REDACTED] County MobilePay Item Number 424-A1 Mix No. 1/2"% AC Content Required 5.5 % Air Voids Required 4Lot No. 1 Date(s) 5/6/2024 THRU 5/9/2024

	AC Content				Air Voids				
Testing Incr.	Contr.	County	Ref. St/Cont	Dev.	Contr.	County	Ref. St/Cont	Dev.	
1	5.40 †			0.10 †	3.82 †			0.18 †	
2	5.52 †			0.02 †	3.81 †			0.19 †	
3									
4									
Average				0.06	Average				0.19

Pay Factor: AC Content 1 ✓ Air Voids 1 ✓**NOTES**

- 1) If Pay Factor is determined on original verification tests, enter Pay Factor on QC/QA Form 1
- 2) If Pay Factor is determined on referee tests, enter Pay Factor on QC/QA Form 2; if not resolved on referee tests, go to BMT Form 135 & AHD Procedure 380.

MOBILE COUNTY PUBLIC WORKS
ENGINEERING DEPARTMENT
ASPHALT PLANT MIXTURE TEST REPORT

CONTRACTOR TESTING X

DEPARTMENTAL TESTING

Pay Item No.	<u>424-A1</u>	Mix No.	<u>1/2"</u>	Lot No.	<u>1</u>	Date(s) Sampled	<u>05/06 thru 05/09/24</u>
Producer	<u>Hosea O. Weaver & Sons, Inc.</u>				Date(s) Tested	<u>05/06 thru 05/09/24</u>	
Tons Produced (This Report)				<u>1347.38</u>	TONS		
Prime Contractor: <u>H. O. Weaver & Sons</u>				Paving Contractor: <u>H. O. Weaver & Sons</u>			

ANALYSIS

ANALYSIS								MIXING TEMPERATURE	
Sample Number		1	2	3	4	5	6	TRUCK #	LOADING TEMP F°
Ton Sampled		304.58	1194.25						
Loading Temperature, F°		310°	315°						
Sieve	Job Mix Gradation (% Passing)							RS-02 TR-01	310° 315°
37.5 mm (1 1/2 inch)									
25 mm (1 inch)									
19mm (3/4 inch)									
12.5 mm (1/2 inch)	100	100	100						
9.5 mm (3/8 inch)	93	86	94						
4.75 mm (no. 4)	68	62	69					REMARKS:	
2.36 mm (no. 8)	52	48	53						
1.18 mm (no. 16)	39	39	41						
600 um (no. 30)	30	31	33					6-May-24	379.75
300 um (no. 50)	14	16	14					7-May-24	332.17
150 um (no. 100)	7	8	8					8-May-24	583.43
75 um (no. 200)	5.0	4.9	5.1					9-May-24	52.03
Percent Asphalt Req'd.									
(Total Sample)	5.50%	5.50%	5.50%						
Percent Asphalt									
(Total Sample)		5.40%	5.52%						
Dust / Asphalt Ratio		1.02%	1.02%						
Rice Gravity		2.497	2.491					Total:	1347.38
AIR VOIDS		3.82%	3.81%						
VMA (%)		15.0%	15.3%						

Copies : Division
Project Engineer
File

W. S. B.
Certified Technician

Project Number: [REDACTED]

Project Name: [REDACTED]

Form BMT-20

REPORT NO. _____
JOB # 124-08

MOBILE COUNTY PUBLIC WORKS
ENGINEERING DEPARTMENT
ASPHALT PLANT MIXTURE TEST REPORT

CONTRACTOR TESTING

COUNTY TESTING

X

PAY ITEM NUMBER 424 A-1 Mix No. 1/2" Lot No. 1 Date(s) Sampled 05/06 -05/09/24

Producer H.O. Weaver - Cut Off Date(s) Tested 05/06 -05/09/24

Tons Produced : (This Report) 1347.38

Prime Contractor H.O. Weaver & Sons Paving Contractor H.O. Weaver & Sons

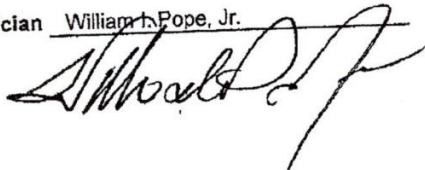
Sample Number	1	2	3	4	5	6
Production Ton Sampled	304.58	1194.25				
Sieve	Job Mix Grad (%Passing)					
1.5"						
1"						
3/4"						
1/2"	100	100	100			
3/8"	93	86	94			
4	68	62	69			
8	52	48	53			
16	39	39	41			
30	30	31	33			
50	14	16	14			
100	7	8	8			
200	5.0	4.9	5.1			
Percent Asphalt						
Req'd (Total Sample)	5.50	5.50				
Percent Asphalt						
(Total Sample)	5.40	5.52				
Dust/Asphalt Ratio	1.02	1.02				
Rice Gravity	2.497	2.491				
Air Voids (%)	3.82	3.81				
VMA (%)	15.0	15.3				

Mixture Temperature	
Truck Number	Loading Temp. F

Remarks: _____

5/6/2024 379.75
5/7/2024 332.17
5/8/2024 583.43
5/9/2024 52.03

Certified Technician William H. Pope, Jr.



BPA & HMA REQUIRED FORMS

BPA & HMA Example

MOBILE COUNTY ENGINEERING DEPARTMENT

BPA & HMA Price Adjustments

PROJECT No.: MCR [REDACTED] PROJECT NAME: [REDACTED] RESURFACING
ENGINEERING: [REDACTED] CONTRACTOR: H. O. WEAVER & SONS, INC.
LOT NUMBER: 1 DATE OF PLACEMENT: 5/3/2024 - 5/9/2024

<u>ITEM</u>	<u>COMPLETED BY</u>	<u>COMPLETED AT</u>	<u>ENGINEERS OFFICE (✓)</u>	<u>MOBILE COUNTY (✓)</u>
COVER SHEET	ENGINEER	OFFICE	<u>✓</u>	<u>✓</u>
MIX DESIGN	TESTING LAB	TESTING LAB	<u>✓</u>	<u>✓</u>
MC-BCR	ENGINEER	OFFICE	<u>✓</u>	<u>✓</u>
MC-3-1	ENGINEER	OFFICE	<u>✓</u>	<u>✓</u>
MC-3-2	ENGINEER	OFFICE	<u>✓</u>	<u>✓</u>
MC-26-1, 2, & 3	ENGINEER	OFFICE	<u>✓</u>	<u>✓</u>
MC-27-1, & 2	ENGINEER	OFFICE	<u>✓</u>	<u>✓</u>

See Current
Cover Sheets



H. O. Weaver & Sons, Inc.

P.O. Box 8039 • Mobile, Alabama 36689-0039
(251) 342-3025 • Fax (251) 342-0108



April 11, 2024

Mr. Bill Pope

RE: [REDACTED]

Delivery Temperature Letter

Dear Sir,

Please find the attached Asphalt Job Mix Formulas to be used on the above referenced project:

Pay Item	Description	Delivery Temperature
424-A1	½" Superpave Wearing Surface Layer, ESAL A/B	250° to 350°F
424-A2	½" Superpave Binder Layer, Patching ESAL A/B	250° to 350°F

The above mixes are to be manufactured by H. O. Weaver & Sons, Inc., Plant #1, Mobile, Alabama.

Should you have any questions please do not hesitate to call.

Sincerely,

Wilson Beard
Quality Control Superintendent

APPROVED

[Handwritten signature]
William I. Pope, Jr.
Pope Testing Services
4/11/24





Key Ivey
Governor

Alabama Department of Transportation
Materials Testing Report
Sample Card No: 1068082 Sample Type: Job Control
Approval Date: 09/20/2023
Addendum-1



John R. Cooper
Transportation Director

Contract ID: 20221202032
Project No: 99-609-022-042-201,RP-NH-HSIP-0042(534)
Prime Contractor: H. O. WEAVER & SONS, INC.
Inspection Analysis of: SUPERPAVE, WEARING
Material Code: 424.02_001
Producer/Supplier: [REDACTED]
Sampled From: STOCKPILE
Intended Use: SURFACE/U.BINDER/L.BINDER/BASE/PLW

Region/Area: Mobile
County: BALDWIN
Project Manager: Miller,Dakota - 15742
Sampled By: Vinson,Jackie - 11097
Date Sampled: 02/07/2023
Date Tested: 09/20/2023
Qty Represented: UNK

MCR [REDACTED]

Gyratory Compactor (HMA4302D)

Lab Reference Number GH-0031-23	Date Expires: 09/20/2025
Contractor's Address: H.O. WEAVER & SONS, INC.	Date: 02/07/2023
P.O. BOX 8039	Producer: H.O. WEAVER & SONS, INC.
MOBILE, AL 36689	Plant: CUT-OFF RD/THEODORE/ATMOR
Section: 424 A/B, C/D	Intended Use: **
Max. Size Aggregate: 1/2"	Binder Grade: PG 67-22 HUNT
Metric Aggregate Size: 12.5MM	Specific Gravity of AC: 1.038

% (Approx)	Description	I.D.#	Source	BPN-9
15.	CRUSHED GRAVEL	1441-K	GLENN BRADFORD GRAVEL;JACKSON, AL	
11	FINE GRAVEL	1777	P&R MINING; ATMORE, AL	
23	SAND	1777	P&R MINING; ATMORE, AL	
22	LIMESTONE SCRNS	0315	APAC-MAYLENE QUARRY; MAYLENE,AL	26
8	MOD. #78 LIMESTONE	0315	APAC-MAYLENE QUARRY; MAYLENE, AL	26
0.5	BAGHOUSE FINES		PLANT	
20	RAP		STOCKPILE #23-9-1	

Job Mix:		Other information:		Note:	
Sieves	% Passing	% AC Required	5.50*		
1 1/2" (37.5 mm)		AC Req'd/Ton, lbs/MT, kg	110.0 55.0		
1" (25.0 mm)		Max. Sp. Gr. Mix	2.485	*4.50% PG 67-22	
3/4" (19.0 mm)		Wt., lbs/Mass, kg/m³	148.3 2375.	must be added to the mix. The remaining 1.00% comes from the RAP.	
1/2" (12.5 mm)	100	TSR	0.95	comes from RAS.	
3/8" (9.5 mm)	93	Anti-Strip	0.50		
#4 (4.75 mm)	68	AD 7700		#Gyrations: 60	%Gmm: 95.9
#8 (2.36 mm)	***52	Effective AC	5.04	Additional Notes: MIXING TEMP 325°F GH-0031-23 **SURFACE/UPPER BINDER/LOWER BINDER/BASE/PATCHING, LEVELING, WIDENING ***{CHANGE MADE AT REQUEST OF CONTR. EFF 9/20/23}	
#16 (1.18 mm)	***39	Dust/Asphalt Ratio	0.99		
#30 (600 µm)	***30	Coarse Agg. Angularity	96/91		
#50 (300 µm)	14	Fine Agg. Angularity	45		
#100 (150 µm)	7	Agg Bulk SG	2.672		
#200 (75 µm)	5.0	% VMA	15.5		

Hot-Mix Asphalt Engineer:

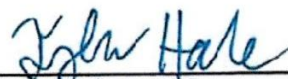
Materials Engineer Approval: _____

Pay Items: 424-A1, 424-A2

Pay Items: 424A360,424A369

Standard Remarks: This material has been tested in accordance with ALDOT specifications.

Approved By: Hale, William - 17266

Signature: 
Armstrong, William - 13377
Testing Engineer

Date: 09/20/2023 10:56 AM

Page 1 of 1

BITUMINOUS CERTIFICATION REQUEST

PROJECT NUMBER: MCR [REDACTED] STARTING DATE May 3, 2024
 DESCRIPTION: [REDACTED] ENDING DATE May 20, 2024

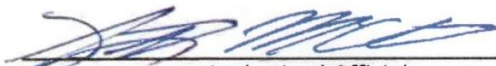
PRIME CONTRACTOR: H. O. WEAVER & SONS, INC.

MATERIAL GRADE	<u>PG 67-22</u>	QUANTITY	<u>142,116.30</u>	POUNDS
MATERIAL GRADE	<u>NTSS-1HM</u>	QUANTITY	<u>11,131.34</u>	POUNDS

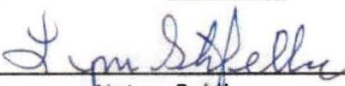
I Dakota F. Miller DO HEREBY CERTIFY THAT ALL THE
 (print name)

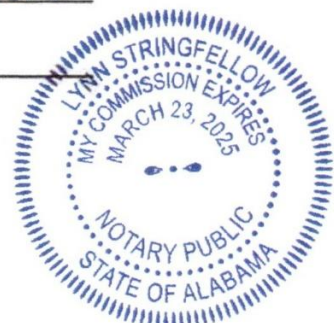
BITUMINOUS MATERIAL USED ON THE ABOVE MENTIONED PROJECT MEETS OR EXCEEDS ALL OF THE ALABAMA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR THE TYPE, GRADE AND QUANTITY OF BITUMINOUS MATERIAL LISTED ABOVE.

I hereby certify the above statements to be correct and true


 Authorized Official

STATE OF ALABAMA, County of Mobile
 Sworn and subscribed to before me this
13th day of Nov. 20 24


 Notary Public



MOBILE COUNTY PUBLIC WORKS DEPARTMENT

LIQUID ASPHALT CHECKS

PROJECT NO. MCR [REDACTED]
CONTRACTOR: H. O. WEAVER & SONS, INC.
COUNTY: MOBILE

MATERIAL GRADE: PG 67-22
USED FOR: ASPHALT PLACEMENT

[illegible]**TOTAL**

TOTAL	142,116.30	LBS	✓
-------	------------	-----	---

MUST SUBMIT FORM MC-BCR

MOBILE COUNTY PUBLIC WORKS DEPARTMENT
LIQUID TACK CHECKS

PROJECT NO. MCR [REDACTED]
CONTRACTOR: H. O. WEAVER & SONS, INC.
COUNTY: MOBILE

MATERIAL GRADE: NTSS-1HM
USED FOR: TACK COAT

[illegible][illegible]

TOTAL	
-------	--

TOTAL	11,131.34 LBS
--------------	----------------------

MUST SUBMIT FORM MC-BCR

ITEM I

ADVERTISEMENT FOR BIDS

Sealed bids will be received by the County Commission of Mobile County, Alabama, in the Mobile Government Plaza, Eighth Floor South Tower, Mobile, Alabama, until **10:00 A.M. on JANUARY 24, 2024**, and then publicly opened for furnishing all labor and materials, and performing all work required by Mobile County and described as follows:

Project: [REDACTED]

Project No.: MCR [REDACTED]

THIRTY (30) working days are allowed for the construction of the project.

All bids must be on blank forms provided in the specifications and submitted in its entirety. A cashier's check drawn on an Alabama bank or a bidder's bond, payable to Mobile County, Alabama, for an amount not less than five percent (5%) of the amount bid, but in no event more than ten thousand dollars (\$10,000.00), shall be filed with the bid, as a bid guaranty. The bidder's bond shall be prepared on the form specified and issued by a surety company authorized to do business in the State of Alabama.

This project is being bid **EXCLUDING TAXES** and requires the Contractor to comply with applicable provisions of Section 40-9-14.1, Code of Alabama, 1975, as amended; applicable provisions of the Alabama Administrative Code; and applicable requirements of the Alabama Department of Revenue (ADOR).

A performance bond in the form and terms approved by the County in an amount not less than the contract price will be required at the signing of the contract. A labor and materials bond in the form and terms approved by the County in an amount not less than the contract price, insuring payment for all labor and materials, shall also be required at the signing of the contract. In addition, the contractor must furnish to the County at the time of the signing of the contract a certificate of insurance coverage as provided in the specifications. The right is reserved to reject any and/or all bids and to waive informalities and to furnish any item of material or work to change the amount of said contract.

Liquidated damages for non-completion of the work within the time limit agreed upon will be assessed in accordance with the terms of the contract.

Specifications are on file and may be viewed in the Mobile County, Alabama, Engineering Department, Mobile Government Plaza, Sixth Floor South Tower, Mobile, Alabama and in the office of [REDACTED]

[REDACTED] Specifications may be obtained by prime contractor bidders by depositing **FIFTY AND NO/100 DOLLARS (\$50)** with the Project Engineer for each set. This deposit shall be refunded in full upon return of the documents in reusable condition within ten (10) days after bid opening. The cost of and return of additional sets of specifications shall be in accord with Section 39-2-3(b), Code of Alabama (1975). No Specifications will be issued later than twenty-four (24) hours prior to the time indicated above for receiving bids.

A pre-bid conference will be held on **JANUARY 17, 2024, at 10:30 A.M.**, in the Mobile County, Alabama Engineering Department, Mobile Government Plaza, Sixth Floor South Tower, Mobile, Alabama. All prospective bidders should have a representative present at the pre-bid conference.



Kay Ivey
Governor

Alabama Department of Transportation Asphalt Indices Summary 2024



John R. Cooper
Transportation Director

	Month	Unit of Measurement	PG Asphalt	PG Asphalt with Polymer	Emulsified Asphalt	Emulsified Asphalt with Polymer
Base →	January	Gallon	2.700	3.390	3.080	3.450
	January	Liter	0.713	0.894	0.815	0.911
	February	Gallon	2.680	3.350	3.080	3.450
	February	Liter	0.707	0.884	0.815	0.911
	March	Gallon	2.720	3.420	3.080	3.450
	March	Liter	0.718	0.903	0.815	0.911
	April	Gallon	2.740	3.450	3.090	3.470
	April	Liter	0.724	0.912	0.815	0.918
	May	Gallon	2.810	3.520	3.130	3.520
	May	Liter	0.741	0.930	0.827	0.930
	June	Gallon	2.810	3.520	3.130	3.520
	June	Liter	0.741	0.930	0.827	0.930
	July	Gallon	2.810	3.520	3.030	3.520
	July	Liter	0.741	0.930	0.801	0.930
	August	Gallon	2.790	3.500	3.010	3.500
	August	Liter	0.738	0.924	0.796	0.925



Alabama Department of Transportation Fuel Indices Summary 2024



John R. Cooper
Transportation Director

Month	Unit of Measurement	Fuel Index	Fuel Index (HMA Production Only)
Base → January	Gallon	2.190	1.930
January	Liter	0.579	0.510
February	Gallon	2.430	2.000
February	Liter	0.642	0.529
March	Gallon	2.570	2.090
March	Liter	0.679	0.552
April	Gallon	2.550	2.070
April	Liter	0.675	0.546
May	Gallon	2.400	2.010
May	Liter	0.634	0.531
June	Gallon	2.200	1.870
June	Liter	0.580	0.495
July	Gallon	2.480	2.100
July	Liter	0.655	0.555
August	Gallon	2.330	1.930
August	Liter	0.615	0.511