

Office of State Aid Road Construction

Mississippi Department of Transportation

Jackson, Mississippi

and

Board of Supervisors

MADISON

County

PROPOSAL AND CONTRACT DOCUMENTS



FOR THE CONSTRUCTION OF

State Aid - Federal Aid Project No. (Strike out if no Federal Funds Involved) SAP-45(13)M

Being a Section of County Road VIRLILIA ROAD

On Route No. _____

In MADISON County MISSISSIPPI

Type of Construction _____

Net Length 7.464 Miles _____

Gross Length 7.532 Miles _____ Contract Time 90 Working Days

By _____

Address _____

Surety _____

Note

Standard Specifications for State Aid Road and Bridge Construction currently approved by the Office of State Aid Road Construction of the Mississippi Department of Transportation and the Federal Highway Administration are made a part hereof fully and completely as if attached hereto, except where superseded by the Special Provisions, or amended by revisions.

BIDDER CHECK LIST FOR STATE FUNDED PROJECTS

(Items requiring completion and/or signature at bid letting)

_____ Envelope has required information on outside and is sealed. (See Subsection S-102.01 and S-102.09)

_____ Affidavit regarding Non-Collusion, Debarment and Suspension, etc. : executed (signed and notarized) in duplicate.

_____ EEV Certification

_____ Section 902 Proposal- Complete the following:

_____ Bid sheets: unit prices and item totals, subtotals and project totals, etc. entered.

_____ Combination Bid Proposal of Section 902, where applicable: completed and signed for each project which is to be considered in combination. (See Subsection S-102.11)

_____ Section 902 Proposal, page 3: completed and signed.

_____ Proposal Guaranty (Bid Bond): attached. (See Subsection S-103.05)

_____ Any issued addenda included and acknowledged as required.

_____ Non-resident Bidders: ON STATE FUNDED PROJECTS ONLY, a copy of the current laws regarding any preference for local Contractors from State wherein domiciled have been included. (See Subsection S-103.01)

DO NOT remove any part of the contact documents. A stripped proposal is considered as in irregular bid and will be cause for rejection.

This checklist is to assist the contractor in the submission of a complete Bid Proposal. This checklist in no way relieves the contractor of the responsibility to submit a complete Proposal. Failure to comply any or all of the applicable requirements will be cause for the proposal to be considered irregular.

OFFICE OF STATE AID ROAD CONSTRUCTION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

(07-31-2012)

STATE AID PROJECT NO. SAP-45 (13)M
MADISON COUNTY
MISSISSIPPI STANDARD SPECIFICATIONS FOR STATE AID ROAD AND BRIDGE
CONSTRUCTION, 2004 EDITION
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OFFICE OF STATE AID ROAD CONSTRUCTION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
AND
MADISON COUNTY BOARD OF SUPERVISORS

SECTION 900

NOTICE TO CONTRACTORS:

Sealed bids will be received by the Board of Supervisors of Madison County, Mississippi at the Madison County Courthouse, Chancery Clerk's Office, Rooms 225-227, Canton, Mississippi, until 1:00 pm on the 21st day of August, 2017 and shortly thereafter publicly opened for the construction of 7.474 miles of MAINTENANCE OVERLAY on VIRLILIA ROAD being known as Project No. SAP-45(13)M in Madison County, Mississippi.

PRINCIPAL ITEMS OF WORK ARE APPROXIMATELY AS FOLLOWS:

ITEM	QUANTITY	UNIT
<u>ROADWAY ITEMS:</u>		
MOBILIZATION	LUMP SUM	LS
REMOVAL OF PAVEMENT (ALL DEPTHS)	6,146.000	SY
UNCLASSIFIED EXCAVATION (FM)	1,024.000	CY
GRANULAR MATERIAL (LVM)	4,423.000	CY
(CLASS 5, GROUP C)		
HOT MIX ASPHLT BASE COURSE, BB-1	2,028.000	TON
TYPE 6, BASE REPAIR		
HOT BITUMINOUS PAVEMENT LEVELING	8,330.000	TON
COURSE, BC-1, TYPE 8		
HOT BITUMINOUS PAVEMENT SURFACE	7,950.000	TON
COURSE, SC-1, TYPE 8		
COLD MILLING OF BITUMINOUS	2,774.000	SY
PAVEMENT, ALL DEPTHS		
MAINTENANCE OF TRAFFIC	LUMP SUM	LS
ADDITIONAL CONSTRUCTION SIGNS	0.000	SF
4" WIDE THERMOPLASTIC EDGE STRIPE	14.981	MI
(CONTINUOUS WHITE) (60 MILS)		
4" WIDE THERMOPLASTIC TRAFFIC	6.259	MI
STRIPE (SKIP YELLOW) (90 MILS)		
4" WIDE THERMOPLASTIC TRAFFIC	5.221	MI
STRIPE (CONTINUOUS YELLOW)		
(90 MILS)		
THERMOPLASTIC DETAIL STRIPE	150.000	LF
(4" EQUIVALENT LENGTH)		
(WHITE) (90 MILS)		
THERMOPLASTIC DETAIL STRIPE	825.000	LF
(4" EQUIVALENT LENGTH)		
(YELLOW) (90 MILS)		
THERMOPLASTIC LEGEND	354.000	LF
(WHITE) (120 MILS)		
THERMOPLASTIC LEGEND	131.600	SF
(WHITE) (120 MILS)		
TWO-WAY YELLOW REFLECTIVE HIGH	998.000	EA

SECTION 900
PROJECT NO. SAP-45(13)M
MADISON COUNTY

PERFORMANCE RAISED MARKERS		
REFLECTORIZED TRAFFIC WARNING SIGN (ENCAPSULATED LENS)	7.000	EA
REFLECTORIZED TRAFFIC REGULATORY SIGN (ENCAPSULATED LENS)	6.000	EA
REFLECTORIZED TRAFFIC OBJECT MARKER (ENCAPSULATED LENS) (TYPE 3)	20.000	EA
REFLECTORIZED TRAFFIC REGULATORY SIGN WITH SUPP. PLATE (ENCAPSULATED LENS)	6.000	EA
ROADBED RECLAMATION	11,648.000	SY
<u>EROSION CONTROL ITEMS:</u>		
TEMPORARY SILT FENCE (TYPE I) (AOS 0.15-0.84)	8,736.000	LF

NOTICE TO CONTRACTORS:

CONTRACT TIME: 90 Working Days

BASIS OF AWARD

The award, if made, will be made to the lowest qualified bidder on the basis of published quantities.

The Board of Supervisors hereby notifies all bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, minority business enterprise will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

PLANS AND SPECIFICATIONS are on file in the Office of the Chancery Clerk of Madison County, the County Engineer's office and the Office of the State Aid Engineer, 412 E. Woodrow Wilson Avenue, Jackson, Mississippi. This project shall be constructed in accordance with the latest edition of the Mississippi Standard Specifications for State Aid Road and Bridge Construction.

PLANS AND PROPOSALS may be secured from James Hust, III, County Engineer for Madison County, Mississippi, P. O. Box 2718, Madison. The Cost is one hundred dollars (\$100.00) for plans and fifty dollars (\$50.00) for the proposal, non-refundable

Certified check or bid bond for five percent (5%) of the total bid, made payable to Madison County and the State of Mississippi must accompany each proposal.

Bidders are hereby notified that any proposal accompanied by letters qualifying in any manner the condition under which the proposal is tendered will be considered an irregular bid and such proposal will not be considered in making the award.

Trey Baxter, President
Madison County Board of Supervisors

SPECIAL NOTICE TO BIDDERS

CONSTRUCTION SAFETY AND HEALTH STANDARDS

It is a condition of this contract, and shall be make a condition of each subcontract entered into pursuant to this contract, that the contractor and any subcontractor shall not require any laborer or mechanic employed in performance of the contract to work in surroundings or under working conditions which are unsanitary, hazardous, or dangerous to his health or safety, as determined under the following Federal regulations:

1. (a) Occupational Safety and Health Standards, Department of Labor, Occupational Safety and Health Administration, Federal Register or October 18, 1972, pages 22102 to 22356.

(b) General Industry Guide for Applying Safety and Health Standards, OSHA Publication No. 2072, U. S. Department of Labor, Occupational Safety and Health Administration.
2. Safety and Health Regulations for Construction, Department of Labor, Occupational Safety and Health Administration, Federal Register of December 16, 1972, pages 27503 to 27600.
3. Safety and Health Standards for Maritime Employment, Department of Labor, Occupational Safety and Health Administration, Federal Register of October 19, 1972, pages 22458 to 22564.

**OFFICE OF STATE AID ROAD CONSTRUCTION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

NOTICE TO BIDDERS NO. 1

DATE: July 1, 2005
SUBJECT: BIDDING REQUIREMENTS AND CONDITIONS
REFERENCE: Section S-102.02 of 2004 Edition of the Standard Specifications for Road and Bridge Construction

NOTICE TO BIDDERS
(ALL PROJECTS)

The current (2004) Edition of the Mississippi Standard Specifications for State Aid Road and Bridge Construction adopted by this Office on July 1, 2005, and approved by the Federal Highway Administration on July 1, 2005 is made a part hereof fully and completely as if it were attached hereto, except where superseded by special provisions, or amended by revisions of the Specifications contained herein. Copies of the specification book may be purchased from the Office of State Aid Road Construction.

A reference in any contract document to controlling requirements in another portion of the contract documents shall be understood to apply equally to any revision or amendment thereof included in the contract.

In the event the plans or proposal inadvertently contain references to the 1982 or 1989 Edition of the Mississippi Standard Specifications for State Aid Road and Bridge Construction, it is to be understood that such references shall mean the comparable provisions of the 2004 Edition of the Standard Specifications.

NOTICE TO BIDDERS
(FEDERAL AID PROJECTS)

The Contractor and sub-contractors shall submit one copy each of FORMS CAD-880, "Weekly Summary of Wage Rates" and CAD-881, "Weekly Statement of Compliance" each week to the State Aid Engineer and to the County Engineer. The Contractor and sub-contractors may at their discretion, submit two (2) copies of each form to the County Engineer, who in turn, shall forward one copy to State Aid. The forms may be obtained from:

Office Supervisor
Office of State Aid Road Construction
P.O. Box 1850
Jackson, Mississippi 39215-1850

**OFFICE OF STATE AID ROAD CONSTRUCTION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

NOTICE TO BIDDERS NO. 2

DATE: July 1, 2004

SUBJECT: HIGH VOLTAGE OVERHEAD LINES

**NOTICE OF WORK TO BE PERFORMED
IN PROXIMITY OF HIGH VOLTAGE POWER LINES**

In accordance with Section 45-15-1, et seq., Mississippi Code of 1972 (as amended effective July 1, 1988), _____ (herein after referred to as "Applicant") (Supervisor in Charge: _____), whose address is _____, and whose telephone number is _____, hereby gives notice to the electric utility (hereinafter referred to as "Utility") that Applicant will be performing functions or activities at the location of _____ and that the estimated starting date of this work is _____. This work could reasonably be expected to cause persons, equipment or parts of tools or materials to be brought within ten (10) feet of Utility's high voltage lines at the proposed work area. Applicant hereby requests the Utility to confer with Applicant or his representative at the work site to ascertain the type of work activity that will take place and if further safety measures need to be taken by either the Applicant or the Utility. The Utility will give the Applicant a written cost estimate for safety arrangements to deter contact with on-site power lines. Applicant agrees not to perform such functions or activities until mutually satisfactory arrangements as provided by Section 45-15-9 have been made to deter contact with Utility's line.

Nothing contained in this Notice shall diminish or affect the obligation imposed upon the Utility under Section 45-15-1, et seq., or under existing laws or be construed as a waiver of the Applicant's or the Utility's rights under the law.

NOTICE GIVEN THIS, the _____ day of _____, _____.

APPLICANT

BY: _____

(Title)

Notice received by the Utility this the _____ day of _____, _____.

**OFFICE OF STATE AID ROAD CONSTRUCTION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

July 7, 2017

In accordance with Senate Bill No. 2241 of the Mississippi Legislature Regular Session 1981, the industry wide current petroleum products base prices for contracts for the month of July 2017 are furnished as follows.

FUELS

	<u>Per Gallon</u>	<u>Per Liter</u>
Gasoline	\$1.8108	\$0.4784
Diesel	\$1.9349	\$0.5111

MATERIALS OF CONSTRUCTION

ASPHALT CEMENT

	<u>Per Gallon</u>	<u>Per Ton</u>	<u>Per Liter</u>	<u>Per Metric Ton</u>
Viscosity Grade AC-5	\$1.5975	\$379.00	\$0.4220	\$417.77
Viscosity Grade AC-10	\$1.5912	\$377.50	\$0.4203	\$416.12
Viscosity Grade AC-20	\$1.5314	\$363.33	\$0.4046	\$400.50
Viscosity Grade AC-30	\$1.5314	\$363.33	\$0.4046	\$400.50
Grade PG-64-22	\$1.5314	\$363.33	\$0.4046	\$400.50
Grade PG-67-22	\$1.5291	\$362.78	\$0.4040	\$399.89
Grade PG-76-22	\$2.1105	\$500.71	\$0.5575	\$551.93
Grade PG-82-22	\$2.6238	\$622.50	\$0.6931	\$686.18

EMULSIFIED ASPHALTS, PRIMES, & TACK COATS

Grade SS-1	\$1.9954	\$0.5271
Grade RS-2C (CRS-2)	\$1.7819	\$0.4707
Grade CRS-2P	\$2.0678	\$0.5463
Grade EA-1, EPR-1, & AE-P	\$3.3000	\$0.8718
Grade MC-70	\$3.6709	\$0.9697
Grade CSS-1 & 1H (Undiluted)	\$2.0486	\$0.5412
Grade CSS-1 & 1H (Diluted 1 to 1 Fog Seal)	\$2.0500	\$0.5416

EARL GLENN, P.E.
STATE CONSTRUCTION ENGINEER

EG: tmb

**OFFICE OF STATE AID ROAD CONSTRUCTION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

NOTICE TO BIDDERS NO. 3

DATE: June 7, 2017

SUBJECT: SPECIALTY ITEMS

PROJECT: SAP-45(13)M COUNTY MADISON

Pursuant to the provisions of Section S-108 of the Mississippi Standard Specifications for State Aid Road and Bridge Construction, 2004 Edition, the following work items are hereby designated as "Specialty Items" for this contract.

<u>Pay Item No.</u>	<u>Description</u>
<u>S-621-C</u>	4 INCH WIDE THERMOPLASTIC EDGE STRIPE (CONTINUOUS WHITE)(60 MILS)
<u>S-621-D</u>	4 INCH WIDE THERMOPLASTIC TRAFFIC STRIPE (SKIP YELLOW)(90 MILS)
<u>S-621-E-2</u>	4 INCH WIDE THERMOPLASTIC TRAFFIC STRIPE (CONTINUOUS YELLOW)(90 MILS)
<u>S-621-G-1</u>	THERMOPLASTIC DETAIL TRAFFIC STRIPE 4" EQUIVALENT LENGTH (WHITE) (90 MILS)
<u>S-621-G-2</u>	THERMOPLASTIC DETAIL TRAFFIC STRIPE 4" EQUIVALENT LENGTH (YELLOW) (90 MILS)
<u>S-621-H-1</u>	THERMOPLASTIC LEGEND (WHITE)(120 MILS)
<u>S-621-H-2</u>	THERMOPLASTIC LEGEND (WHITE)(120 MILS)
<u>S-627-L</u>	TWO-WAY YELLOW REFLECTIVE HIGH PERFORMANCE RAISED MARKERS
<u>S-630-A</u>	REFLECTORIZED TRAFFIC WARNING SIGN (ENCAPSULATED LENS)
<u>S-630-B</u>	REFLECTORIZED TRAFFIC REGULATORY SIGN (ENCAPSULATED LENS)
<u>S-630-C</u>	REFLECTORIZED TRAFFIC OBJECT MARKER (ENCAPSULATED LENS) (TYPE 3)
<u>S-630-H</u>	REFLECTORIZED TRAFFIC REGULATORY SIGN WITH SUPP. PLATE (ENCAPSULATED LENS)
<u>S-632-A</u>	ROADBED RECLAMATION
<u>S-233-A</u>	TEMPORARY SILT FENCE (TYPE I) (AOS 0.15-0.84)

(7-01-2004)

**OFFICE OF STATE AID ROAD CONSTRUCTION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

NOTICE TO BIDDERS NO. 7 .

DATE: July 1, 2004

SUBJECT: PAYMENTS TO SUBCONTRACTORS

Bidders are hereby advised that each month, the Contractor will submit to the County/LSBP Engineer form OCR-484-SA certifying payments to all subcontractors. Form OCR-484-SA can be obtained from the Office Of State Aid Road Construction, MDOT Lab Building, 412 Woodrow Wilson Avenue, Jackson, MS, or on the State Aid website (<http://www.osarc.state.ms.us>) under Documents->Forms->State Aid Forms.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
OFFICE OF STATE AID ROAD CONSTRUCTION
JACKSON, MISSISSIPPI

CERTIFICATION OF PAYMENTS TO SUBCONTRACTORS

PROJECT NUMBER : _____ COUNTY : _____
CONTRACTOR: _____
COUNTY/LSBP ENGINEER: _____

THIS IS TO CERTIFY THAT PAYMENT HAS BEEN MADE TO THE FOLLOWING SUB-CONTRACTING FIRMS FOR THE AMOUNT INDICATED FOR WORK PERFORMED OR MATERIALS/SUPPLIES PURCHASED, ON THE REFERENCED PROJECT TO SATISFY THE REQUIREMENTS HB 1562 – REGULAR SESSION 2002.

***** THIS REPORT IS SUBJECT TO AUDIT *****

Subcontractor	Date of Payment	Amount Paid This Period	Total Paid to Date	Amount of Retainage Withheld	Amount of Retainage Paid	Percent of Retainage Paid	% Sub-Contract Complete

SUBMITTED BY (Contractor)

DATE: _____

TITLE

REVIEWED BY (County/LSBP Engineer)

***** INSTRUCTIONS *****

- 1. CONTRACTOR MUST SUBMIT THIS REPORT EACH MONTH TO THE COUNTY ENGINEER.
- 2. IF NO PAYMENTS ARE MADE THIS PERIOD, SUBMIT A NEGATIVE OR NO CHANGE REPORT TO THE COUNTY ENGINEER.
- 3. THE COUNTY ENGINEER WILL ATTACH THE OCR-484-SA TO THE MONTHLY ESTIMATE BEFORE SUBMITTING THE ESTIMATE TO THE OFFICE OF STATE AID ROAD CONSTRUCTION.
- 4. PROGRESS ESTIMATES MAY BE WITHHELD IF CONTRACTOR FAILS TO SUBMIT OCR-484-SA.

**OFFICE OF STATE AID ROAD CONSTRUCTION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

NOTICE TO BIDDERS NO. 8

DATE: November 8, 2011

SUBJECT: Errata and Modifications to the 2004 Edition of the Standard Specifications for State Aid Road and Bridge Construction

<u>Page</u>	<u>Subsection</u>	<u>Change</u>
1-21	S-103.02	In the third line of the last paragraph, change "contracts in the same" to "contracts, financed wholly with State funds, in the same".
1-42	S-105.17	In line (b) of the third paragraph, add "claim." at the end of the sentence.
1-47	S-106.04	In the next to last paragraph, change "TMD-22-0100-000" to "TMD-22-01-00-000" and change "TMD-21-0100-000" to "TMD-21-01-00-000".
1-84	S-109.06.2	In the eleventh line of the second paragraph, change "of material invoices" to "of paid material invoices".
<u>1-85</u>	<u>S-109.08</u>	Replace 4 th paragraph in it's entirety with "The established base prices for bituminous products and fuels shall be the prices for the month prior to the month of the bid date and are available on the State Aid Website."
1-87	S-109.08	On page 1-87, insert the following after item (A6) and before the paragraph in the middle of the page: "(A7) Asphalt for Fog Seal Mixture -- One half pay quantity in gallons."
1-87	S-109.08	Delete the last paragraph on the page in toto.
1-88	S-109.08	Under ADJUSTMENTS, change paragraph 5 to read as follows: No adjustment will be made for items of work accomplished after the expiration of Contract Time except for cases involving natural or manmade disasters or other reasons not inherent to the construction industry. The contractor will submit documentation for the adjustment to the Engineer for approval/disapproval. If approved, the Engineer will prepare a supplemental agreement explaining the adjustment and submit the proper number of copies of the agreement to the Board of Supervisors for their consideration and action. If approved by the Board, all copies will be forwarded to the State Aid Engineer for concurrence. Upon concurrence, the State Aid Engineer will, if necessary, forward the agreement to any other involved parties for their action. A copy of the approved agreement will be furnished to all parties by the State Aid Engineer.
2-7	S-202.07	In the first sentence of the first paragraph, change "S-202" To "S-202-A". In the first sentence of the second paragraph, delete "S-202-A".

<u>Page</u>	<u>Subsection</u>	<u>Change</u>
3-30	S-308.15	In the third pay item, change "per square yard**" to "per square yard". In the fourth pay item, change " <u>S-308-B-1</u> " to " <u>S-308-B-2</u> ".
4-8	<u>S-401.02.4</u>	At the end of the third sentence, delete the "." and add "and as a base course."
4-8	S-401.02.4	In the table at the end of the Subsection, for the 19 mm, change "2 ¼" to "2 ½" in the Minimum and change "3" to "3 ½" in the Maximum; for the 12.5 mm, change "2" to "2 ½" in the Maximum; for the 9.5 mm, change "1 ½" to "2" in the Maximum; and for the 4.75 mm, change "¾" to "1 ¼" in the Maximum.
4-23	S-401.03.1.4	In the first paragraph, change "92.0 percent" to "the specified percentage (92.0 or 93.0)".
4-32	S-403.03.3	In the first sentence of the second paragraph, change "acceptance and pavement" to "acceptance and payment".
4-45	S-409.02.2	Change "PG 64-22" to "PG 67-22".
6-2	S-601.06	In the first sentence, change "S-804.03" to "S-804.03.5".
6-7	S-602.05	Change the subsection reference for Bending from "S-805.05" to "S-805.03.2".
6-9	S-603.02	Change the subsection reference for Joint Mortar from "707.02" to "714.11".
<u>6-15</u>	<u>S-603.09</u>	After second sentence, add "All lift holes shall be filled and/or sealed to the satisfaction of the Engineer."
6-78	S-620.06	Change the first sentence of the second paragraph, from "Legend will be measured by the square foot.", to "Legend will be measured by the linear foot or square foot, as applicable."
6-78	S-620.07	In the sixth pay item, change "S-620-E-1" to "S-620-E-2".
7-17	S-702.12	In TABLE I, under the heading of Test, in the second line change "140°F, poises" to "275°F, C _s ".
7-20	S-703.02.1	In line (1) of the first paragraph, change "set-out" to "set out".
7-25	S-703.04.2	In the fifth paragraph, delete "S-703.04.3 and".
7-52	S-708.02.1.2	In the first sentence change "20 percent" to "25%".
7-104	S-714.13.1	Delete the fourth paragraph.
7-154	S-721.02.3.7	Delete Subsection S-721.02.3.7--Ground Plates in toto.
8-37	S-803.03.2.6	In the first sentence of the second paragraph, change "S-803.03.1.5.1" to "S-803.03.2.5".
8-45	S-803.04.1	Delete the second paragraph and replace with the following: Test piles which require extensions or building up will not be measured for additional payment. Splices required for the extensions will not be measured for payment.

<u>Page</u>	<u>Subsection</u>	<u>Change</u>
		No measurement for payment will be made for cut-off of a test pile.
8-50	S-803	Under <u>COMPENSATION</u> , In the seventh pay item, change " <u>S-803-G: Blank</u> " to " <u>S-803-G: Concrete Piling Cut-off, Size</u> - per each "
8-60	S-804.02.11	In the last sentence of the first paragraph, change "automatically" to "automatic".
8-64	S-804.02.13	In the second line of paragraph (c), place a period after psi and delete "provided both the QC and QA test results are equal to or exceed the minimum compressive strength requirements."
8-66	S-804.02.13.1.3	In the last sentence change, "S-804.02.13.1" to "S-804.02.12".
8-67	S-804.02.13.1.5	Change the equation for % Reduction to:
		$\% \text{ Reduction} = \frac{(f_c - X)}{f_c} \times 100$
8-121	S-806.04	In the first sentence of the third paragraph, change "by the unit (one unit consists of one wing on each side and end of the abutment cap)" to "per each".
8-121	S-806.08	Change " <u>S-806.08--Basis of Payment</u> ." to " <u>S-806.05--Basis of Payment</u> ."
8-122	S-806.08	In the first pay item, change " _ ' Interior" to " ___ ' Interior".
<u>8-122</u>	<u>S-806.08</u>	On pay item S-806-H, add "or Steel Posts"

**OFFICE OF STATE AID ROAD CONSTRUCTION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

NOTICE TO BIDDERS NO. 10

DATE: July 1, 2005

SUBJECT: MONTHLY ESTIMATE RETAINAGE

The monthly retainage for this project shall be two and one half (2-1/2) percent (%) subject to the provisions found in Subsection **S-109.06.3--Retainage** on page 1-84 of the 2004 Edition of the Mississippi Standard Specifications for State Aid Road and Bridge Construction.

**OFFICE OF STATE AID ROAD CONSTRUCTION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

NOTICE TO BIDDERS NO. 11

DATE: November 19, 2009

SUBJECT: CERTIFICATION OF 100 % PAYMENT TO SUBCONTRACTORS

Bidders are hereby advised that within thirty (30) days of any Subcontractor completing 100% of any subcontracted work, the Prime Contractor shall make full payment to the Subcontractor (including retainage), complete the following certification, attach it to form OCR-484-S or OCR-484-SA, as applicable, and submit it to the County/LSBP Engineer. Retainage on the subcontract will then be released to the Prime Contractor on a subsequent estimate.

CERTIFICATION OF 100% OF PAYMENT TO SUBCONTRACTOR

Date: _____
Project No.: _____
County: _____
Prime Contractor: _____
Subcontractor: _____

I, _____, hereby certify
(Printed or typed name of Subcontractor)

that I have been paid 100% (including retainage) of the amount of work subcontracted on the above mentioned project in the amount of _____ and that I was paid within thirty (30) Days of when I completed said work.

(Signature of Subcontractor)

(Signature of Prime Contractor)

Falsification of this Certification is subject to prosecution.

**OFFICE OF STATE AID ROAD CONSTRUCTION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

NOTICE TO BIDDERS NO. 16

DATE: November 3, 2008

SUBJECT: Safety Apparel

Bidders are advised that the Code of Federal Regulations CFR 23 Part 634 final rule was adopted November 24, 2006 with an effective date of November 24, 2008. This rule requires that **“ All workers within the right of way of a Federal-Aid Highway who are exposed either to traffic (vehicles using the highway for the purposes of travel) or to construction equipment within the work area shall wear high-visibility safety apparel”**. High-visibility safety apparel is defined in the CFR as **“personnel protective safety clothing that is intended to provide conspicuity during both daytime and nighttime usage, and that meets the Performance Class 2 or 3 requirements of the ANSI/ISEA 107-2004 publication entitled American Nation Standard for High-Visibility Safety Apparel and Headwear”**. All workers on County right-of-way shall comply with the Federal Regulation. Workers are defined by the CFR as **“people on foot whose duties place them within the right-of-way of a Federal-Aid Highway, such as highway construction and maintenance forces, survey crews, utility crews, responders to incidents within the highway right-of-way, and law enforcement personnel when directing traffic, investigating crashes, and handling lane closures, obstructed roadways, and disasters within the right-of-way of a Federal-Aid Highway”**.

You can access this final rule at the following link:

<http://a257.g.akamaitech.net/7/257/2422/01jan20061800/edocket.access.gpo.gov/2006/pdf/E6-19910.pdf>

**Supplemental Specification
901-S-102-1
Bidding Requirements and
Conditions**

**OFFICE OF STATE AID ROAD CONSTRUCTION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

DATE: March 11, 2010

SUBJECT: Bid Bond Agent

Delete the first sentence of the second paragraph of S-102.08 on page 1-19, and substitute the following:

If a bid bond is offered as guaranty, the bond must be on a form approved by the State Aid Engineer, made by a Surety, and must be acceptable to the Board and the State Aid Engineer and signed or countersigned by a Mississippi Agent or Qualified Nonresident Agent and the bidder.

OFFICE OF STATE AID ROAD CONSTRUCTION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DATE: March 11, 2010

SUBJECT: Contract Bond Agent or Liability Insurance Agent

Delete the last sentence of the paragraph of S-103.05 on page 1-22, and substitute the following:

The bond or bonds shall be negotiated for, procured from, signed or countersigned by, and the premium paid to a Mississippi Agent or Qualified Nonresident Agent of the Surety.

Delete the last sentence of the first paragraph of S-103.06.1 on page 1-22, and substitute the following:

Each policy shall be signed or countersigned by a Mississippi Agent or Qualified Nonresident Agent of the insurance company.

Delete the last sentence of the second paragraph of S-103.06.1 on page 1-23, and substitute the following:

Each policy shall be signed or countersigned by a Mississippi Agent or Qualified Nonresident Agent of the insurance company.

Supplemental Specification
901-S-104-1
Removal and Disposal of Structures
and Obstructions

OFFICE OF STATE AID ROAD CONSTRUCTION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DATE: July 1, 2005

SUBJECT: Changes in Character of Work and Changed Physical Conditions and Removal and Disposal of Structures and Obstructions:

Section S-104 - SCOPE OF WORK; of the MISSISSIPPI STANDARD SPECIFICATIONS FOR STATE AID ROAD AND BRIDGE CONSTRUCTION 2004 EDITION is hereby amended as follows:

901-S-104.02.1--Changes in Character of the Work and Changed Physical Conditions: Delete the last sentence of the first paragraph and add the following paragraphs:

Upon written notification, the Engineer will investigate the conditions, and if it is determined that the conditions materially differ and cause an increase or decrease in the cost or time required for the performance of any work under the contract, an adjustment, excluding anticipated profits, will be made and the contract modified in writing accordingly. The Engineer will notify the Contractor, in writing, of the determination whether or not an adjustment of the contract is warranted.

No contract adjustment which results in a benefit to the contractor will be allowed unless the contractor has provided the required written notice.

In the second paragraph, after the words " cannot be reached," delete "the State Aid Engineer" and insert "the Board, with the approval of the State Engineer,". Then delete the words "which the State Aid Engineer has" and insert "which the Board and the State Aid Engineer have".

901-S-104.05--Removal and Disposal of Structures and Obstructions: After the last paragraph on page I-27, add the following paragraph:

The Contractor shall also furnish the Engineer a certified letter stating that the area of disposal is not in a wetland.

901-S-104.06--Rights in and Use of Materials Found on the Work: After the first sentence of the third paragraph insert the following sentence:

The Contractor shall also furnish the Engineer a certified letter stating that the area of disposal is not in a wetland.

Supplemental Specification
901-S-107-2
Material Pits and Quarries

OFFICE OF STATE AID ROAD CONSTRUCTION

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DATE: July 01, 2005

SUBJECT: Material Pits:

Section S-107- LEGAL RELATIONS AND RESPONSIBILITY TO PUBLIC; of the MISSISSIPPI STANDARD SPECIFICATIONS FOR STATE AID ROAD AND BRIDGE CONSTRUCTION 2004 EDITION is hereby amended as follows:

901-S-107.23--Material Pits: Delete the first and second paragraph on page 1-66 and replace with the following paragraphs:

Before a pit (quarry) is opened (area cleared or overburden disturbed), furnish to the County Engineer a letter from the Executive Director of the Department of Archives and History, P. O. Box 571, Jackson, Mississippi 39205 (telephone number 601/576-6850), stating that the pit site is satisfactory from an archaeological and historical standpoint. Additionally, the contractor will furnish the Engineer either a copy of the " Notification of Exempt Operations" or a copy of the (permanent or temporary) Class II Permit approval from the Mississippi Department of Environmental Quality, Office of Geology.

For material pits located in Clarke, Covington, Forrest, George, Greene, Hancock, Harrison, Jackson, Jones, Lamar, Pearl River, Perry, Stone and Wayne Counties, the Contractor will be required to make special considerations regarding gopher tortoises. In addition to the normal required documentation associated with material pits, the Contractor shall, for each site used to obtain or dispose of materials associated with material pits located in these Counties, provide the Engineer with a letter from a qualified biologist certifying that the site was inspected prior to any clearing of vegetation or disposal of project materials and that the site is not inhabited by gopher tortoises, or appropriate avoidance measures have been installed. No individual lacking the proper State or Federal license shall touch or otherwise harass a gopher tortoise.

All costs involved in obtaining letters of clearance shall be born by the Contractor

OFFICE OF STATE AID ROAD CONSTRUCTION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DATE: May 10, 2006

SUBJECT: Permits, Licenses and Taxes:

Section S-107-LEGAL RELATIONS AND RESPONSIBILITY TO PUBLIC; of the MISSISSIPPI STANDARD SPECIFICATIONS FOR STATE AID ROAD AND BRIDGE CONSTRUCTION 2004 EDITION is hereby amended as follows:

901-S-107.02-Permits, Licenses and Taxes. Delete in toto Subsection 107.02 on page 1-50, and substitute the following:

Except as provided in S-107.09, and S-107.22, the Contractor or Subcontractor shall procure all permits and licenses, pay all charges, fees, and taxes, and give all notices necessary and incidental to the due and lawful prosecution of the work. At any time during the life of this contract, State Aid may audit the Contractor's or Subcontractor's compliance with the requirements of this section.

The Contractor or Subcontractor is advised that the "Mississippi Special Fuel Tax Law", Section 27-55-501, et seq. and the Mississippi Use Tax Law, Section 27-67-1, et seq., Mississippi Code of 1972, Annotated, and their requirements and penalties apply to any contract or subcontract for construction, reconstruction, maintenance or repairs, for contracts or subcontracts entered into with the State of Mississippi, any political subdivision of the State of Mississippi, or any Department, Agency, Institute of the State of Mississippi or any political subdivision thereof.

The Mississippi State Tax Commission will be notified of the name and address of Contractors or any Subcontractors that are awarded State Aid contracts. The Contractor or Subcontractor will be subject one or more audits during the life of this contract to make certain that all applicable fuel taxes are being paid promptly as outlined in Section 27-55-501, et seq., Mississippi Code of 1972, Annotated, and any sales and/or use taxes, as outlined in Section 27-67-1, et seq., Mississippi Code of 1972, Annotated are being paid in compliance with the law.

Special Provision
901-S-401-2
Plant Mix Pavements (HMA)--General
Marshall Design Mixtures
Project No. SAP-45(13)M
Madison County

OFFICE OF STATE AID ROAD CONSTRUCTION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DATE: February 5, 2008

SUBJECT: Hot Mix Asphalt (HMA) Pavements – Marshall Mixtures

The MISSISSIPPI STANDARD SPECIFICATIONS FOR STATE AID ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION is hereby supplemented as follows:

Section S-401 – Plant Mix Pavements (HMA) – General, of the Mississippi Standard Specifications for State Aid Road and Bridge Construction, 2004 Edition, is hereby amended as follows and is applicable for HMA mixtures designed using the Marshall Method.

SECTION 901-S-401 –HOT MIX ASPHALT (HMA) Marshall Mixtures

Delete Subsection S-401.01 and replace with the following:

901-S-401.01–Description. This work consists of the construction of one or more lifts of hot mix asphalt (HMA) designed and controlled using the Marshall Method in accordance with these specifications and the specific requirements for the mixture to be produced and in reasonably close conformity with the lines, grades, thicknesses and typical sections shown on the plans or established by the Engineer.

It is the intent of this special provision to only revise those sections of S-401 which would not be applicable for mixtures designed by the Marshall Method. Those sections in the Mississippi Standard Specifications for State Aid Road and Bridge Construction, 2004 Edition, not addressed or revised herein or otherwise applicable to Marshall Method designed mixtures shall remain in force as written or shall not be considered applicable to this special provision. Where conflicts exist between this special provision and the standard specifications, this special provision shall govern for mixtures designed and placed by the Marshall Method.

Delete Subsection S-401.02.1.2 -- Aggregates in toto and replace with the following:

901-S-401.02.1.2–Aggregates. The source of the aggregates shall meet the applicable requirements of S-703, Subsections 901-S-401.02.1.2.1, 901-S-401.02.1.2.2 and 901-S-401.02.1.2.3 below, and as specified herein.

The several aggregate components, including mineral filler and other materials when required, shall be sized, uniformly graded, and combined in such proportions that the resulting mixture meets the gradation requirements of the specific type mixture under contract. Pre-mixing of aggregate fractions by controlled methods may be permitted to produce a more workable component which contributes to the gradation requirements of the job-mix formula. Bituminous material within the percentage limits designated for the specific type mixture shall be combined with the other components of the mixture.

The HMA mixture shall conform to the types set forth in 901-S-401.02.1.2.3.2, Table A. The type of mixture is the Contractor's option except when a specific type or types are designated in the contract.

The overall limits set out in 901-S-401.02.1.2.3.2, Table B, encompass the extreme limits for material or combinations of materials from all possible sources, and closer controls appropriate to the job materials shall be established for each specific mixture required under any contract in accordance with a job-mix formula established as set out in 901-S-401.02.3.2 below.

901-S-401.02.1.2.1—Coarse Aggregate (Material Retained on No. 8 Sieve).

Bituminous Base (BB-1)

Coarse aggregate shall be crushed stone, slag or granite; shell; expanded clay; expanded shale; crushed gravel (or combination of crushed and uncrushed) or combination thereof as set forth in Table A of 901-S-401.02.1.2.3.2. Crushed reclaimed concrete pavement shall also be allowed as a coarse aggregate provided it meets the quality requirements below and the final product produced therefrom meets all other specification requirements.

Individual sources of coarse aggregate shall conform to the following quality requirements:

1. Percentage of wear shall not exceed 45 when tested in accordance with AASHTO Designation: T 96.
2. Except for expanded clay and shale, the coarse aggregate shall have a minimum dry rodded unit weight of 70 pounds per cubic foot when tested in accordance with AASHTO Designation: T 19.
3. The coarse aggregate shall be free of any injurious coating which will prohibit the adherence of asphalt to the aggregate particles.

Coarse aggregate when combined with other aggregate fractions in the proper proportions shall conform to the requirements of 901-S-401.02.1.2.3.1 and the job-mix formula.

Leveling, Binder, and Surface Courses

Coarse aggregate shall be crushed gravel (or combination of crushed and uncrushed gravel), slag, stone or granite; shell; expanded clay; expanded shale or combination thereof as set forth in TABLE A of 901-S-401.02.1.2.3.2. Crushed reclaimed concrete pavement shall also be allowed as a coarse aggregate provided it meets the quality requirements below and the final product produced therefrom meets all other specification requirements.

With written permission of the Engineer, the specified surface course may be substituted for an underlying course. In this case, any crushed coarse aggregate or blend of crushed coarse aggregates without regard to a particular type of mix may be used. Provided, however, that the

aggregates and the resulting mixture meet all other requirements for specified surface course including crushing and fractured face requirements. Surface mixtures (SC-2) shall not be allowed in lower courses with the exception of thin leveling sections.

The percentage of wear shall not exceed 45 when tested in accordance with AASHTO Designation: T 96.

When tested in accordance with AASHTO Designation: T 19, the dry rodded unit weight of all aggregates except expanded clay and shale shall not be less than 70 pounds per cubic foot, and crushed slag used in the surface course shall have a dry rodded unit weight of not more than 90 pounds per cubic foot except the maximum unit weight is waived for chromium slag.

The coarse aggregate shall be free of any injurious coating which will prohibit the adherence of asphalt to the aggregate particles.

For surface course, the percent of thin or elongated pieces shall not exceed 15 by weight when tested in accordance with S-703.01, and the percentage of loss shall not exceed 20 when tested for soundness using magnesium sulfate in accordance with AASHTO Designation: T 104.

Crushed gravel, Class III, shall be the product resulting from crushing gravel aggregate of which no less than 98 percent is retained on the 3/8-inch sieve prior to crushing, and after crushing 100 percent passes the 3/8-inch sieve and no less than 65 percent passes the No. 4 sieve.

Shell shall consist of durable, washed particles of dead clam or dead reef oyster shell, or combination thereof. The shell shall be free of objectionable matter such as sticks, mud, clay lumps, cannery or live shell, or other deleterious matter. Not more than five percent by weight of the dredged material shall pass the No. 200 sieve; any such material shall be dispersed throughout the mass.

901-S-401.02.1.2.2--Fine Aggregate (Material Passing the No. 8 Sieve).

Bituminous Base (BB-1)

Fine aggregate shall consist of hard, durable particles of naturally disintegrated rock, or material obtained by crushing stone, slag, gravel, reclaimed concrete pavement or combinations thereof. Fine aggregate, when manufactured, shall be manufactured from material meeting the quality requirements for coarse aggregate, and it shall be free of lumps of clay and friable particles, loam, organic or foreign matter.

Individual sources of fine aggregate shall be non-plastic when tested in accordance with AASHTO Designation: T 90.

Natural deposits of fine aggregate shall contain no more than 10 percent by weight passing the No. 200 sieve when tested in accordance with AASHTO Designation: T 11.

When the fine aggregate is combined with other aggregate fractions in the proper proportion, the resultant mixture shall meet the requirements of 901-S-401.02.1.2.3.3 and the job-mix formula.

Fly ash, when used as a portion of the fine aggregate, shall be from an approved source.

Leveling, Binder, and Surface Courses

Fine aggregate shall consist of hard, durable particles of naturally disintegrated rock; material obtained by crushing stone, slag or gravel; stone or slag screenings; reclaimed concrete pavement; or combinations thereof. The amount of uncrushed fine aggregate permitted in the combined aggregate blend shall conform to the limitations in 901-S-401.02.1.2.3. Fine aggregate shall be free of lumps of clay and friable particles, loam, organic or foreign matter.

Fine aggregate produced by crushing stone, slag or gravel shall be manufactured from aggregate meeting the quality requirements of coarse aggregate.

Individual sources of fine aggregate shall be non-plastic when tested in accordance with AASHTO Designation: T 90.

Natural deposits of fine aggregate shall contain no more than 10 percent by weight passing the No. 200 sieve when tested in accordance with AASHTO Designation: T 11.

Individual fine aggregate components shall be of such consistency and dryness that a uniform and even flow from the cold feed will be provided.

Fine aggregate when combined with other aggregate fractions in the proper proportions shall meet the requirements of 901-S-401.02.1.2.3 and the job-mix formula.

Fly ash, when used as a portion of the fine aggregate to obtain desired properties of the mixture, shall be from an approved source.

901-S-401.02.1.2.3--Combined Aggregate Blend.

901-S-401.02.1.2.3.1--General. The several aggregate fractions for the mixture shall be sized, graded and combined in such proportions that the resultant composite blend will meet the gradation requirements of 901-S-401.02.1.2.3.2, TABLE B.

The minus No. 40 fraction of the combined aggregate shall be non-plastic when tested according to AASHTO Designation: T 90. The clay content for bituminous base, leveling and binder courses shall not exceed 1.0 percent, and for the surface course shall not exceed 0.5 percent by weight of the total mineral aggregate when tested according to AASHTO Designation: T 88.

Mineral filler and/or fly ash, when used to obtain desired properties of the mixture shall not exceed 3.0 percent by weight of the total aggregate blend.

The ratio, by weight, of dust (material passing No. 200 sieve) to asphalt binder shall be not less than 0.8 nor more than 1.6.

Of all the material passing the No. 8 sieve and retained on the No. 200 sieve, not more than 60 percent shall pass the No. 30 sieve.

At least 70 percent by weight of the combined mineral aggregate retained on the No. 4 sieve shall have one or more mechanically fractured faces for bituminous base courses.

At least 80 percent by weight of the combined mineral aggregate retained on the No. 4 sieve shall have one or more mechanically fractured faces for bituminous leveling and binder courses.

At least 90 percent, by weight, of the combined mineral aggregate retained on the No. 4 sieve shall have two or more mechanically fractured faces for bituminous SC-1 Surface Mixtures.

Uncrushed natural sand shall pass the 3/8-inch sieve and the content shall not exceed 20 percent by weight of the total mineral aggregate except for RAP.

901-S-401.02.1.2.3.2—Tables.

TABLE A specifies the types and coarse aggregate combinations for bituminous base and pavements.

TABLE B specifies the gradations of the combined aggregates for bituminous bases and pavements. The job-mix formula, excluding allowable tolerances in TABLE C, shall be within the limits of TABLE B. Unless otherwise designated on the plans or in the contract documents, the gradation number shall be as follows:

Bituminous Base: Number BB-1
Leveling and Binder Course: Number BC-1
Surface Course and Leveling: Number SC-1 and SC-2

TABLE C lists the maximum tolerances allowed for any one test of gradation and asphalt content from the job-mix formula.

TABLE D lists the minimum percent Voids in Mineral Aggregate (VMA) allowed for design and plant produced mixtures.

TABLE A
OPTIONAL AGGREGATE TYPES

Type Construction	Bituminous Base Course	Leveling and Binder Courses	Surface Course
Coarse Aggregate:		Mixture Type Number	
Crushed Limestone	1	1	
Crushed Slag	2	2	
Crushed Granite	3	3	
Shell	4	4	
Expanded Clay or Expanded Shale	5	5	
Crushed Gravel or combination of crushed and uncrushed gravel combined with any coarse aggregate (Note 1)	6	6	
Crushed Gravel or combination of crushed and uncrushed gravel combined with Limestone or Slag (Notes 1 & 2)	7	7	
Crushed Gravel combined with Limestone or Slag (SC-1) (Note 3)			8
or			
Crushed Gravel (Class III) combined with Limestone or Slag (SC-2) (Note 3)			8
Crushed Gravel (Class III) (SC-2) (Note 4)			9

Note 1: At least 70% for bituminous base courses and 80% for bituminous leveling and binder courses by weight of the combined mineral aggregate retained on the No. 4 sieve shall have one or more mechanically fractured faces.

Note 2: At least 20% of the total combined aggregate by weight shall be limestone or slag.

Note 3: 20 to 50% of the total combined aggregate by weight shall be limestone or slag of

which 20 to 45% shall pass the No. 8 sieve. Used for SC-1 or SC-2 Mixes.

Note 4: Type 9 may be used only when designated or specified as an optional type in the contract. Used for SC-2 only.

TABLE B
DESIGN MATER RANGE
Precent by Weight Passing Sieves

Number	BB-1	BC-1	SC-1	SC-2
Sieve Size:				
1 ½ inch	100			
1 inch	83-100			
¾ inch		100		
½ inch	56-95	82-100	100	
3/8 inch		71-91	87-100	100
No. 4	29-70	40-73	54-80	69-100
No. 8	19-54	26-58	32-63	47-95
No. 16				30-76
No. 30	8-30	9-30	12-33	18-58
No. 50	4-20	6-20	6-20	9-42
No. 200	2-10	2-10	2-10	4-10
Min. % A.C. by Wt. of Mix.*	4.0	4.0	4.0	4.0

* The actual percent of asphalt will be designated in the job-mix formula.

TABLE C
TOLERANCES FROM JOB-MIX FORMULA
(Maximum for Any One Test)

Sieve Sizes	Tolerances Percent (±)
Passing 3/8 inch and larger sieves	6
Passing Nos. 4, 8, and 16 sieves	5
Passing Nos. 30 and 50 sieves	4
Passing No. 200 sieve	1.5
Percent Asphalt Cement	0.4
Voids in Mineral Aggregate (VMA)	1.0

TABLE D

MINIMUM VOIDS IN MINERAL AGGREGATE (VMA)

Nominal Maximum Size*	VMA Minimum Percent
No. 4	17.0
3/8 Inch	15.0
1/2 Inch	14.0
3/4 Inch	13.0
1 Inch	12.0

Delete Subsection S-401.02.1.4 and replace with the following:

901-S-401-02.1.4–Miller Filler. Mineral filler shall meet the requirements of S-703.16.

Delete Subsection S-401.02.1.6--Asphalt Admixtures in toto and replace with the following:

901-S-401-02.1.6–Asphalt Admixtures. Additives for liquid asphalt, when required or permitted, shall meet the requirements of S-702.08, except that the minimum Tensile Strength Ratio (TSR) when tested in accordance with Mississippi Test Method MT-63 shall be 85.

901-S-401-02.3.1–Replace table for RAP percentages allowed with the following:

HMA Mixture	Maximum percent RAP By total weight of mix
BB-1	30
BC-1	30
Leveling	30
SC-1	15

Delete Subsection S-401.02.3.1.1--Mixture Properties in toto and replace with the following:

901-S-401-02.3.1.1–Mixture Properties. Marshall Stability of proposed HMA mixtures, when tested in accordance with Mississippi Test Method: MT-34, Marshall Stability Values of Compacted Bituminous Mixtures, shall be 1500 pounds for base, leveling, and binder mixtures and 1800 pounds for surface mixtures when subjected to seventy-five (75) blows of a Standard Marshall Hammer on each end of the specimen and tested at a temperature of 140°F.

The total percent air voids in the completed mixture shall be within the range of 3-5.

The ratio, by weight, of dust (material passing the No. 200 sieve) to asphalt binder shall not be less than 0.8 nor more than 1.6 for all mixtures.

Delete Subsection S-401.02.3.2--Job Mix Formula in toto and replace with the following:

901-S-401.02.3.2--Job Mix Formula. The job mix formula shall be established in accordance with Mississippi Test Method MT-35.

The job-mix formula for each mixture shall establish a single definite percentage of aggregate, including mineral filler, hydrated lime, and other materials when required, passing each required sieve size, and a single definite percentage of bitumen to be added to the aggregate and a single definite temperature at which the mixture is to be discharged from the mixer.

At least fifteen (15) days prior to the proposed use of each mixture to be supplied and placed under the contract, the Contractor shall submit in writing to the Engineer for his approval, a single (one) proposed job-mix formula or request the transfer of a verified job-mix formula for each mixture. The job-mix formula shall be signed by a Certified Mixture Design Technician (CMDT).

Prior to the use of each such mixture, the Contractor shall make available materials, conforming to the material specifications and proposed for use in the mixture, for sampling and testing by a State Aid approved laboratory, as the Engineer may consider necessary to determine approval or disapproval of the Contractor's job-mix formula, or the establishment of a proposed job-mix formula by the Engineer in lieu thereof. The following information shall be forwarded for each mix submitted.

- (1) The specific project for which the mixture will be used.
- (2) The source and description of each material component (virgin & reclaimed) to be used in the mixture.
- (3) A sample of each component (including anti-stripping agent) proposed in the mixture.
- (4) The gradation and proportions of the materials to be combined in the mixture.
- (5) A percentage of the combined aggregates passing each specified sieve and a graphical plot of the combined aggregate gradation on a 0.45 power chart shall be attached. A percentage of asphalt by weight of the total mix intended to be incorporated in the completed mixture.
- (6) A proposed temperature at which the mixture is intended to be discharged from the plant.
- (7) A copy of the current temperature viscosity curve for the asphalt binder used in the mix.
- (8) The name of the Contractor's representative responsible for the quality control of the mixture during production.
- (9) Accompanying design curves and other laboratory test data to show that the completed mixture will conform to the requirements for stability, flow, workability, density, and all other criteria specified in the contract.

A State Aid approved laboratory will perform the tests necessary for verification of a proposed job-mix formula or transfer for each required mixture at no charge to the Contractor; however, a charge will be made for additional job-mix formulas submitted by the Contractor for review. The Contractor will be charged for the tests conducted on submitted materials that will not blend into an approvable job-mix formula and the materials submitted for additional job-mix formulas. Likewise, the Contractor will be charged for any additional transfers of approved mixes after

tentative approval of a mix for a particular course has been given. Where the Contractor requests more than one job-mix for any course, only the job-mix used on the project will be furnished at no charge to the contractor.

In the case of a small quantity, under 200 tons, for a single pay item of bituminous mixture, as indicated in the proposal, is produced and supplied by an established plant, the approval of a job-mix formula shall be at the discretion of the Engineer, based on known satisfactory production of similar mixes made from materials previously tested and approved for other work; or, at the discretion of the Engineer, tested and approved for the work for which the job-mix formula is under consideration. Acceptance of the job-mix formula shall, also, be contingent upon proper placement qualities at the time the mixture is used in the work.

In the event the Contractor fails to submit a proposed job-mix formula sufficiently in advance of its proposed use for the Engineer to determine approval or non-approval, a job-mix formula will be established by the Engineer at the earliest practical time.

In all cases, determination of the job-mix formula to be used will be made by the Engineer and will be based on resistance to stripping, stability, flow, VMA, total voids, workability, density, skid resistance, and any other criteria specified for the mixture complete in place; it will be based also on the materials submitted but if the specified or desirable properties cannot be obtained, other materials shall be submitted by the Contractor. It shall be fully understood that the amount of bitumen approved or established for the job-mix formula shall be determined by the Engineer as being that most compatible with the desired characteristics of the mixture and in consideration of the percentage of materials passing the No. 200 sieve. The ranges of the components of the HMA mixture set out in 901-S-401.02.1.2.3.2-Table "B" shall have no bearing upon the determination of the percentage established for the job-mix formula, except that no job-mix formula will be approved or established having permissible ranges outside of the master range for the particular mixture.

The job-mix temperature shall be the lowest temperature that is considered to be satisfactory to obtain the desired mixture.

No mixture will be accepted for use, nor shall any mixture be placed until the Engineer has established or approved a "tentative" job-mix formula for the particular mixture.

The job-mix formula thus approved or proposed from the laboratory test results shall be considered as "tentative" until a sufficient amount of the mixture has been actually processed through the plant, spread and compacted to determine by tests the necessity and effectiveness of corrections and adjustments to the plant operation, and to spreading and compaction procedures.

When a change in source of materials, unsatisfactory results or changed conditions make it necessary, a new job-mix formula will be required. The conditions set out herein for the original job-mix formula are applicable to the new job-mix formula.

The tentative job-mix formula, with its adjustments to plant operation and spreading and compaction procedure when required, will be considered as conditionally approved until it is rejected, or its approval is confirmed by the Engineer.

After approval of the tentative job-mix formula is confirmed by the Engineer, the mixture furnished for the project shall conform thereto within the range of tolerances specified for the particular mixture. No change in properties or proportions of any ingredient of the mix shall be made without permission of the Engineer. The job-mix formula for each mixture shall be in effect until revised in writing by the Engineer.

The approved job-mix formula may be transferred for use on other contracts under the conditions set out in the Office of State Aid Road Construction's S.O.Ps.

Delete Subsection S-401.02.4--Substitution of Mixture in toto and replace with the following:

901-S-401.02.4--Substitution of Mixture. Except as otherwise specified in the contract, any HMA mixture specified in the contract for a course required above the course being placed may be substituted in lieu of the mixture specified for the course being placed, provided the course constructed with the substituted mixture meets the composition and physical requirements, complete-in-place and accepted, for the mixture being used or for the mixture for which the substitution is being made, and will be measured and paid for as provided for the course being placed. Density requirements will be as specified for the course for which the substitution is made. Any substitution of mixtures shall be of the same type. No other substitutions will be allowed. The quantity of substituted mixture shall be measured and paid for at the contract unit price for the mixture designated on the plans. The substitution of any mixture will be contingent on meeting the required total structure thickness and maintaining the laying thickness for the particular substituted mixture. Unless designated otherwise in the contract, the minimum laying thickness of any HMA course shall be not less than twice the nominal maximum sieve size for the aggregate used.

Change the title for Subsection S-401.02.5--Contractor's Quality Management Program as follows:

901-S-401.02.5--Contractor's Quality Control.

Delete Subsection S-401.02.5.1--General in toto and replace with the following:

901-S-401.02.5.1--General. The Contractor shall have full responsibility for quality control. The Contractor shall provide and maintain a quality control system that will furnish reasonable assurance that the HMA mixtures as well as all component materials incorporated in the work conform to the contract requirements whether manufactured or produced by the Contractor or procured from suppliers of subcontractors. The Contractor shall have responsibility for the initial determination and all subsequent adjustments in proportioning materials to produce the specified job-mix and other physical characteristics. When quality control testing indicates a trend toward borderline values, the Contractor shall initiate immediate action to reverse the

trend. When quality control testing confirms non-conformance to specified values, the Contractor shall take immediate corrective action or cease operations.

The Contractor's quality control shall include the following:

1. Determination of fractured face content of aggregates retained on the No. 4 sieve for base, binder, leveling and SC-1 surface mixtures at a minimum of one test per day of production.
2. Moisture tests on aggregate stockpiles at a minimum of one test per half day of production.
3. Extraction tests for gradation determination at a minimum of one test per half day of production. Gradation tests of combined aggregates may be sampled from conveyor belt or other approved sampling methods.
4. Determination of stability, total voids, Voids in Mineral Aggregate (VMA) and bulk specific gravity on laboratory compacted Marshall Specimens at a minimum of one test per half day of production.
5. Asphalt content using nuclear gauge or ignition oven at a minimum of three tests per day of production.
6. Stripping tests at a minimum of one stripping test at the beginning of each job-mix production and thereafter, at least once per each two weeks of production according to Mississippi Test Method: MT-63 and one stripping test per day of production according to Mississippi Test Method: MT-59. Should either the TSR (MT-63) or the boiling water (MT-59) stripping tests fail, a new anti-strip additive or rate shall be established or other changes made immediately that will result in a mixture which conforms to the specifications; otherwise, production shall be suspended until corrections are made.
7. Density tests as necessary to verify compaction (minimum of 3 per day).
8. Quality control charts, up-to-date and posted in a readily observable location.

At the beginning of placement for each course, except for temporary work of short duration and bridge replacement projects having 500 linear feet or less of pavement on each side of a structure, the Contractor shall construct a test strip of a maximum four hours duration for the purpose of evaluating the properties of the HMA mixture and determining maximum compaction of the mixture. When there are multiple bridge sites on a bridge replacement project, each site will be considered separately. At least one density growth curve shall be established within the test strip. If the test results are satisfactory, as approved by the Engineer, operations may resume. If unsatisfactory, appropriate adjustments shall be made, or a new job-mix formula obtained, and another test strip shall be constructed.

The rolling pattern established during construction of the test strip is to be used by the Contractor as a guide. When conditions change, variation from the rolling pattern may be necessary to maintain specification requirements, in which case a new rolling pattern shall be established.

Delete Subsection S-401.02.5.3--Testing Requirements in toto.

Delete Subsection S-401.02.5.4--Documentation in toto.

Delete Subsection S-401.02.5.5--Control Limits in toto.

Delete Subsection S-401.02.5.6--Warning Limits in toto.

Delete Subsection S-401.02.5.8--Action and Adjustments in toto.

Delete Subsection S-401.02.6.1--General in toto and replace with the following:

901-S-401.02.6.1--General. Acceptance for mixture quality (VMA, total voids, asphalt content and stability) will be based on random samples tested in accordance with Subsection 901-S-401.02.6.2 and 901-S-401.02.6.3 below. Pavement densities and smoothness will be accepted by lots as set out in S-401.02.6.4, S-401.02.6.5 and S-403.03.2.

Delete Subsection S-401.02.6.2—Test for Mixture Quality in toto and replace with the following:

901-S-401.02.6.2--Test for Mixture Quality. The rounding of test results will be in accordance with S-700.04.

The mixture will be accepted at the plant with respect to VMA, total voids, asphalt content and stability based on tests of HMA mixture samples obtained from trucks and run by state certified technicians or State Aid approved laboratory. At least one sample will be obtained at random for each three hours' production or fraction thereof with a maximum of three samples for a full day's production. When a test fails to meet the specified requirements, the Contractor will be notified immediately and a verification test will be performed. If the verification test confirms the failure, the Contractor shall make the necessary corrections or adjustments to meet the specifications. If the next regularly scheduled random acceptance sample indicates that the failure has not been corrected, operations will be suspended until corrections or adjustments are made. Nonconforming mixture placed on the roadway prior to correcting will be accepted or rejected by the Engineer in accordance with S-105.03, and payment will be made as set out below in Subsection 901-S-401.02.6.3. The Engineer may increase the testing frequency as necessary to assure conformity to the specifications.

The Engineer will determine acceptability of the combined aggregate blend based on testing personnel extraction tests of bituminous mixture samples obtained from trucks. At least one sample will be obtained at random for each day of production. When characteristics of the mixture indicate a change in gradation, additional tests will be performed as necessary to insure conformance to gradation requirements. When gradation is out of tolerance, the Contractor shall make necessary corrections or adjustments to meet the job-mix formula. Gradation must be in tolerance within a maximum production time of three hours as evidenced by an additional test or operations shall be suspended.

The Engineer will determine conformance to the specifications for Class III crushed gravel for surface mixture (SC-2) prior to incorporation in the work. At least one test will be performed at random during each week's production. One test will include an analysis of the gradation prior to and after crushing. Such aggregate not meeting the crushing requirements of the specifications will not be permitted in the work.

The Engineer will determine conformance to the specification requirements for crushed aggregate in base, leveling, binder and SC-1 surface mixtures prior to approval of a job-mix formula, at beginning of production and thereafter, at least one random test during each week's

production. A failing test will be reported immediately, and the Contractor shall make necessary corrections. If the corrections are not made within a maximum production time of three hours, as evidenced by results of another test, production shall be suspended until corrections are made.

Delete Subsection S-401.02.6.3--Acceptance Procedure for Mixture Quality in toto and replace with the following:

901-S-401.02.6.3--Acceptance Procedure for Mixture Quality. All obviously defective material or mixture will be subject to rejection by the Engineer. Such defective material or mixture shall not be incorporated into the finished work.

Each course will be accepted by lots. Material produced and placed during test strip(s), for each course will be designated as separate lots. Otherwise, the size of a lot will be designated as a day's run unless terminated by the Engineer. When less than a day's production and one or more tests have been made for VMA, total voids, asphalt content and stability, the work will be considered a lot. When less than a day's production and no tests have been made for VMA, total voids asphalt content and stability, the work will be included in the previous lot.

The bituminous mixture will be tested in accordance with the following procedures:

1. Voids in Mineral Aggregate (VMA) will be calculated in accordance with Mississippi Test Method: MT-35 using the bulk specific gravity of the compacted specimen prior to testing for stability and the bulk gravities of the aggregate components shown on the mix design.
2. Total air voids in the compacted mixture will be determined in accordance with Mississippi Test Method MT-35 using the bulk specific gravity of the compacted specimen prior to testing for stability and the maximum specific gravity of the uncompacted mixture determined from field laboratory tests.
3. Stability--Mississippi Test Method: MT-34, Marshall Stability Values of Compacted Bituminous Mixtures.
4. Asphalt Content--Mississippi Test Method MT-6, Nuclear Determination of Bitumen Content of paving Mixtures, or Incinerator oven per AASHTO Designation: T 308, Method A.
5. Mixture Gradation--Mississippi Test Method MT-31.

6. Density—AASHTO Designation: T 166, Bulk Specific Gravity of Compacted Bituminous Materials, or Mississippi Test Method MT-16 (Method C), Nuclear Method for Field In-Place Density Determination, except leveling courses and temporary work of short duration will be determined only by AASHTO T 166. When test strip(s) are not required on bridge replacement projects, either AASHTO Designation: T 166 or Mississippi Test Method: MT-16 (Method C) will be used for density determination. (Note - The nuclear gauge shall be correlated with the average of five pavement sample densities.)
7. Extractions shall be run to determine acceptability of the combined aggregate blend of samples of the bituminous mixture obtained from trucks. At least one sample will be obtained at random for each day of production.

Bituminous mixture placed prior to correction for deficiencies in VMA, total voids, stability, or asphalt content, as required above, and determined by the Engineer in accordance with S-105.03 to be satisfactory to remain in place, will be paid for at 90% of the contract unit price.

Delete Subsection S-401.02.6.4--Acceptance Procedure for Density in toto and replace with the following:

901-S-401.02.6.4--Acceptance Procedure for Density. Each completed lift will be accepted with respect to compaction on a lot basis from density tests performed by the Engineer. Material produced and placed during test strip(s) for each course will be designated as separate lots. Otherwise, the lot will be designated as a day's production unless terminated by the Engineer. When less than a day's production and one or more tests have been made for each of the characteristics of VMA, total voids, asphalt content and stability, the work will be considered as a lot.

When less than a day's production and no tests have been made for each of the characteristics of VMA, total voids, asphalt content and stability, the work will be included in the previous lot. Each lot will be divided into five approximately equal sublots. One density test will be taken at a random location in each of the sublots in accordance with State Aid SOP. When a nuclear density test of a subplot does not meet specified density requirements, two additional tests will be taken within a one-square-yard area of the first test. The average of the three tests shall be the density of the subplot, except when removal of the subplot or a portion thereof is required as set out below. The average of the five subplot density tests will be the test value for the lot. Additional tests may be required by the Engineer to determine acceptance of work appearing deficient.

When determined that a lot density is below 92.0 percent but not lower than 90.0 percent of maximum density, the Contractor shall make the necessary correction to plant and/or mixture to conform to the specified density requirements. If the next lot or portion thereof, shows that corrections have not been made, the Contractor's operation will be suspended until such corrections are made. After a suspension of operations a new test strip will be required during which the Contractor shall develop a new rolling pattern for compaction to specification requirements. Payment for the mixture placed prior to making correction will be made as set out below.

When determined that the density of a subplot is below 90.0 percent of maximum density, the subplot or portion thereof with a density outside these limits shall be removed and replaced at no

additional cost to the project. The density will be verified from a pavement sample taken within a one-square yard area of the original nuclear gauge test and tested in accordance with AASHTO Designation: T 166 prior to requiring removal and replacement.

The limits of removal will be established from pavement sample densities. Any required removal shall be full lane width and not less than 50 feet in length. A corrected subplot will be tested for approval and determination of the average test value for the lot in accordance with State Aid SOP. No resampling will be performed when pavement samples are used for determining density.

When test strip(s) are not required on bridge replacement projects, either AASHTO Designation: T 166 of Mississippi Test Method: MT-16 will be used for density determination. (Note - The Nuclear gauge shall be correlated with the average of five pavement sample densities.)

When determined that a lot density is below 92.0 percent but not lower than 90.0 percent of maximum density, the Contractor will have the right to remove and replace the subplot or sublots not meeting specified density requirements in lieu of accepting reduced payment for the lot as determined in accordance with the provisions set out in the following paragraph.

Each lot of work found not to be in conformity with the density requirement of not less than 92.0 percent (92.0%) may remain in place with a reduction in payment as set out in the following table:

PAYMENT SCHEDULE FOR COMPACTION

<u>Pay Factor</u>	Lot Density*	<u>% of Maximum Density</u>
**		above 97.0
1.00		above 92.0
0.90		91.0 – 91.9
0.75		90.0 – 90.9

*Any lot, subplot or portion thereof with a density of less than 90.0 percent (90.0%) of maximum density shall be removed and replaced at no additional cost to the Project.

** Field density greater than 97 percent - Plant corrections and/or mixture corrections shall be made by the Contractor or operations will be suspended until corrections are made as provided in Subsections 901-S-401.02.6.1, 901-S-401.02.6.2, and 901-S-401.02.6.3. Mixtures placed prior to corrections or suspension will receive 100 percent pay.

Delete Subsection S-401.03.9 in toto.

After Subsection S-401.03.13--Pavement Samples add the following subsections:

901-S-401.03.14--Method of Measurement. Marshall Design Hot Mix Asphalt (HMA), complete-in-place and accepted, will be measured by the ton. The weight of the composite mixture shall be determined in accordance with the provisions of S-401.03.2.1.11.

Unless shown as a separate pay item, the furnishing and application of the tack coat will not be measured for payment. When payment is provided, tack coat will be measured as set out in S-407.06.

The quantity of HMA mixture required to correct the work, when made at the expense of the Contractor, will not be measured for payment.

Any excavation required for widening will not be measured for payment; the cost thereof shall be included in other items of work.

Undercut required by the Engineer will be measured for payment under the appropriate excavation item as provided in the contract or as extra work. Pavement removal and any required trenching will not be included in the measurement for undercut.

901-S-401.15--Basis of Payment. Subject to the adjustments set out in 901-S-401.02.6.3 and 901-S-401.02.6.4, Marshall Design Hot Mix Asphalt (HMA), complete-in-place, accepted, and measured as prescribed above, will be paid for at the contract unit price per ton for each lift of pavement specified in the bid schedule and shall be full compensation for completing the work.

901-S-401.03.15.1--Price Adjustment for Thickness Requirement. When grade stakes are eliminated as provided in S-403.03.3 and the average thickness of all cores from lots representing a day's production is more than 3/8 inch thicker than the total specified thickness of the pavement, excluding lift(s) placed using an established grade line, a lump sum reduction in payment for the surface lift of lots representing a day's production will be made as follows:

$$\begin{array}{l} \text{(Individual Day's} \\ \text{L.S. Reduction)} \end{array} = \begin{array}{l} \text{(Monetary Value of the Day's} \\ \text{Surface Lift Production)} \end{array} \times \frac{\text{(D - 3/8)}}{\text{ST}}$$

Where:

D = The day's average deviation from total pavement thickness shown on the plans excluding lift(s) placed using an established grade line.

ST = Specified thickness for lift

The total L.S. reduction for the project is the summation of the individual day's reductions in payment.

901-S-401.03.15.2-Pay Items.

Payment will be made under:

901-S-401-A: Hot Mix Asphalt Base Course, (BB-___) -- per ton

901-S-401-A (W): Hot Mix Asphalt Base Course, (Trench Widening), (BB-___), -- per ton

901-S-401-B: Hot Bituminous Pavement Leveling Course, (BC-___), (Type ___ --) per ton

901-S-403-C: Hot Bituminous Pavement Binder Course, (BC-___), (Type ___ --) per ton

901-S-403-D: Hot Bituminous Pavement Surface Course, (SC___), (Type ___ --) per ton

SPECIAL PROVISION
901-S-618-1
PROJECT NO. SAP-45(13)M
MADISON COUNTY

DATE: May 3, 2017

SUBJECT: SUPPLEMENT TO TRAFFIC CONTROL PLAN

The Traffic Control Plan on the project road will require one lane closure of traffic where required. For Overlay operations, Leveling operations, Reclamation, and Base Repair operations temporary construction signs shall be placed in accordance with the Traffic Control Plan (Sheet 2-O) in the plans. Flaggers shall be used to control the traffic along the road and shall move with the operation of work. Traffic control devices shall be placed wherever necessary and remain as long as needed.

A shadow vehicle shall be positioned approximately 300 feet in front and behind of striping operations. The shadow vehicle shall carry a "Roadway Striping Ahead" sign located at least six feet above the pavement. A flashing yellow light shall be installed above the sign and any other vehicles used in the striping operations.

There will be no trucks, equipment, or supplies parked or stored within close proximity of a traveled lane in use of public traffic except for vehicles or supplies actually engaged in the work when work is in progress.

Ingress and egress shall be maintained at all times to residents and businesses.

The specific requirement of the Contractor's responsibilities are as required by Subsection S-104.04, S-105.15, S-107.07-10, Traffic Control Plan Sheet 2-O of the plans; and Part 6 of the MUTCD, latest edition. The requirements of this special provision do not alter or in any way change the requirements of the foregoing or any other requirements of the Contract except as specifically stated herein as an alteration or change.

Within three weeks of a traffic related accident occurring within the limits of the project, the Contractor shall provide the Project Engineer with a copy of the accident report for each accident. If analysis of the accident report by appropriate authority reveals that corrective action is required, the Contractor shall proceed immediately with appropriate corrective action.

Jim Hust of H1 Services, LLC is designated as the responsible person to insure the Contractor constructs, installs, and maintains the devices called for on the Traffic Control Plan. An inspection of the traffic control signs and devices shall be performed at periods not exceeding one week regardless of construction activity within the project. The Contractor will be required to immediately rectify any noted deficiencies.

Supplemental Specification
901-S-714-1
Geotextile Certification

OFFICE OF STATE AID ROAD CONSTRUCTION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DATE: July 1, 2005

SUBJECT: Geotextile Certification:

Section S-714 - MISCELLANEOUS MATERIALS; of the MISSISSIPPI STANDARD SPECIFICATION FOR STATE AID ROAD AND BRIDGE CONSTRUCTION 2004 EDITION is hereby amended as follows:

901-S-714.13.10--Acceptance By Certification. After the second sentence of Subsection S-714.13.10 on page 7-105 insert the following:

Additionally, at least one certified test report, as per S-700.05.2, for each manufacturer's lot shall be furnished to the Engineer by the Contractor at no additional cost to the project.

OFFICE OF STATE AID ROAD CONSTRUCTION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
AFFIDAVIT

(To be Executed in Duplicate)

State of Mississippi
County of Madison

I, Lester Williams (Name of person signing affidavit), individually, and in my capacity as President (Title) of Dickerson & Bowen, Inc. (Name of Firm, Partnership, or Corporation) being duly sworn, on oath, do depose and say as follows:

That Dickerson & Bowen, Inc. (Name of Firm, Partnership, or Corporation), Bidder on Project No. SAP-45(13)M in Madison County, Mississippi has not either directly or indirectly entered into any agreement, participated in any collusion; or otherwise taken any action in restraint of free competitive bidding in connection with this contract; nor have any of its officers, partners, employees, or principal owners.

Further, being duly sworn or under penalty of perjury under the laws of the United States and the State of Mississippi; certifies that, except as noted below, the company or any person associated therewith in the capacity of owner, partner, director, manager, auditor, or any position involving the administration of federal funds:

- (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
- (b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgement rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
- (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in Item (b) of this subsection; and
- (d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

Initial here " _____ " if exceptions are attached and made a part thereof. Any exceptions shall address to whom it applies, initiating agency and dates of such action.

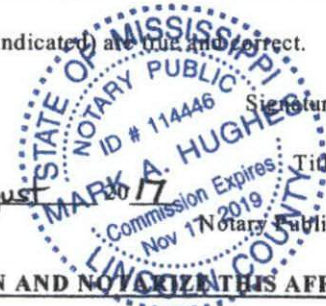
The Bidder shall provide immediate written notice to the Board of Supervisors and the State Aid Engineer at any time, prior to or after award, that it is known a certification was erroneous when executed or has become erroneous by reason of changed circumstances.

NOTE: Exceptions will not necessarily result in denial of award but will be considered in determining bidder responsibility. Providing false information may result in criminal prosecution or administrative sanctions.

All of the foregoing and attachments (when indicated) are true and correct.

(SEAL)

Sworn before me this 21st day of August
My commission expires 11-17-19
Signature: Lester Williams
Title: President
Notary Public: Mark A. Hughes



NOTE: FAILURE TO PROPERLY SIGN AND NOTARIZE THIS AFFIDAVIT WILL DISQUALIFY THE BID.

EEV Certification
REV. 06-12

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
OFFICE OF STATE AID ROAD CONSTRUCTION

CONTRACTOR EEV CERTIFICATION AND AGREEMENT

Project No: SAP-45(13)M County: Madison

By executing this Certification and Agreement, the undersigned verifies its compliance with Senate Bill 2988 from the 2008 Mississippi Legislative Session, "Mississippi Employment Protection Act," as published in Laws, 2008 and codified in the Mississippi Code of 1972, as amended, and any rules or regulations promulgated by Office of State Aid Road Construction, Department of Employment Security, State Tax Commission, Secretary of State, and Department of Human Services in accordance with the Mississippi Administrative Procedures Law (Section 25-43-1 et seq., Mississippi Code of 1972, as amended), stating affirmatively that the individual, firm, or corporation which is contracting with the County and the Office of State Aid Road Construction has registered with and is participating in a federal work authorization program* operated by the United States Department of Homeland Security to electronically verify information of newly hired employees pursuant to the Immigration Reform and Control Act of 1986, Pub.L. 99-603, 100 Stat 3359, as amended. The undersigned agrees to inform the Office of State Aid Road Construction if the undersigned is no longer registered or participating in the program.

The undersigned agrees that, should it employ or contract with any subconsultant(s) and/or subcontractor(s) in connection with the performance of this Contract, the undersigned will secure from such subconsultant(s) and/or subcontractor(s) verification of compliance with the Mississippi Employment Protection Act. The undersigned further agrees to maintain records of such compliance and provide a copy of each such verification to the Office of State Aid Road Construction, if requested, for the benefit of the County and the Office of State Road Construction or this Contract.

132320

EEV* Company Identification Number [Required]

The undersigned certifies that the above information is complete, true and correct to the best of my knowledge and belief. The undersigned acknowledges that any violation may be subject to the cancellation of the contract, ineligibility for any state or public contract for up to three (3) years, the loss of any license, permit, certificate or other document granted by any agency, department or government entity for the right to do business in Mississippi for up to one (1) year, or both, any and all additional costs incurred because of the contract cancellation or the loss of any license or permit, and may be subject to additional felony prosecution for knowingly or recklessly accepting employment for compensation from an unauthorized alien as defined by 8 U.S.C §1324a(h)(3), said action punishable by imprisonment for not less than one (1) year nor more than five (5) years, a fine of not less than One Thousand Dollars (\$1,000.00) nor more than Ten Thousand Dollars (\$10,000.00), or both, in addition to such prosecution and penalties as provided by Federal law.

BY: Lester Williams
Authorized Officer or Agent

8-21 2017
Date

Lester Williams
Printed Name of Authorized Officer or Agent

President
Title of Authorized Officer or Agent of Contractor

SWORN TO AND SUBSCRIBED before me on this the 21st day of August, 2017.



[Signature]
NOTARY PUBLIC
Commission Expires: 11-17-19

* As of the effective date of the Mississippi Employment Protection Act, the applicable federal work authorization program is E-Verify™ operated by the U. S. Citizenship and Immigration Services of the U.S. Department of Homeland Security, in conjunction with the Social Security Administration.

PROPOSAL

Date 8-21-2017

Proposal of Dickerson & Bowen, Inc. or P.O. Box 1008 Breckhaven, MS 39602

for constructing the following designated project within the time hereinafter specified.

The Plans are composed of drawings and blue prints on file in the offices of the Chancery Clerk of Madison County at Canton, Mississippi.

The Specifications are the currently approved Standard Specifications of the Office of State Aid Road Construction of the Mississippi Department of Transportation and the Federal Highway Administration, except where superseded or amended by the Special Provisions and Revisions of the Specifications attached hereto and made a part thereof.

BOARD OF SUPERVISORS

Madison County, Mississippi Canton, Mississippi

Sirs: The following is made on behalf of

Dickerson & Bowen, Inc. P.O. Box 1008 Breckhaven, MS 39602

(Names and addresses of those interested)

Evidence of my (our) authority to submit the Proposal is hereby furnished. The Proposal is made without collusion on the part of any person, firm or corporation. I (we) certify that I (we) have carefully examined the Plans, and the Specifications, including the Special Provisions and Revisions herein, and have personally examined the site of the work. On the basis of the Specifications, Special Provisions, Revisions and Plans I (we) propose to furnish all necessary machinery, tools, apparatus and other means of construction and do all the work and furnish all the materials in the manner specified. I (we) understand that the quantities mentioned below are approximate only and are subject to either increase or decrease, and hereby propose to perform any increased or decreased quantities of work at the unit prices bid.

The following is my (our) itemized Proposal

SECTION 902 - PROPOSAL (Continued)

In the event of award of the Contract to me (us) under this Proposal, I (we) contemplate the sub-contracting of the following items, to the persons or firms named after each item in accordance with Special Provisions providing for the sub-contracting attached hereto if such sub-contracting thereof is approved by the **BOARD OF SUPERVISORS** and the State Aid Engineer. In the event of disapproval of such sub-contracting, I (we) agree to perform such item or items of work with my (our) own organization, in full compliance with all applicable terms of this Proposal.

NOTE: Bidder will insert below a list of the specific Pay Items and Quantities thereof which he proposes to sub-contract, and the names and addresses of the persons or firms to whom he proposes to sub-contract each item.

Pay Item No. _____ : _____
 (quantity) _____ (description) _____
 to _____ of _____

Pay Item No. _____ : _____
 (quantity) _____ (description) _____
 to _____ of _____

Pay Item No. _____ : _____
 (quantity) _____ (description) _____
 to _____ of _____

Pay Item No. _____ : _____
 (quantity) _____ (description) _____
 to _____ of _____

Pay Item No. _____ : _____
 (quantity) _____ (description) _____
 to _____ of _____

Pay Item No. _____ : _____
 (quantity) _____ (description) _____
 to _____ of _____

I hereby certify that the persons or firms are named above as sub-contractors with the knowledge and consent of the persons of firms named:

Signed Dickerson & Bowen Inc.
 By [Signature] President

In the event of the award of this contract to the above named bidder, for the performance of the work, and in the further event that the sub-contractor(s) named herein are approved by the **MADISON COUNTY BOARD OF SUPERVISORS** and the Engineer, the sub-contractor or sub-contractors shall execute the following:

I (we) hereby certify that the use of our names as sub-contractors on the above items, was and is with our knowledge and consent.

_____ 20 _____
 _____ 20 _____
 _____ 20 _____

SECTION 902
PROPOSAL SHEET (2-A)

PROJECT NO. SAP-45(13)M
MADISON COUNTY, MISSISSIPPI

For the construction of: MAINTENANCE on 7.474 mile(s) of county road known as VIRLILIA ROAD in Madison County, Mississippi under State Aid Project No. SAP-45(13)M.

I (We) agree to complete the entire project within 90 Working Days.

SPECIAL NOTICE TO BIDDERS
BIDS WILL NOT BE CONSIDERED UNLESS BOTH UNIT PRICES AND ITEM TOTALS ARE ENTERED

Ref. No.	Pay Item No.	Description	Approx. Quantity	Unit	Unit Price		Item Total	
					Dollars	Cents	Dollars	Cents
Roadway Items								
1	S-200-A	MOBILIZATION	Lump Sum	LS	XXXXXXXXXXXX	XXXXXXXXXXXX	59,000	00
2	S-202-D	REMOVAL OF PAVEMENT (ALL DEPTHS)	6,146.000	SY	3	55	21,818	30
3	S-203-A	UNCLASSIFIED EXCAVATION (FM)	1,024.000	CY	66	00	67,584	60
4	S-304-A	GRANULAR MATERIAL (LVM) (CLASS 5, GROUP C)	4,423.000	CY	32	25	142,641	75
5	901-S-401-A	HOT MIX ASPHALT BASE COURSE, BB-1 TYPE 6, BASE REPAIR	2,028.000	TON	89	00	180,492	00
6	901-S-401-B	HOT BITUMINOUS PAVEMENT LEVELING COURSE, BC-1, TYPE 8	8,330.000	TON	71	00	591,430	00
7	901-S-403-D	HOT BITUMINOUS PAVEMENT SURFACE COURSE, SC-1, TYPE 8	7,950.000	TON	79	00	628,050	00
8	S-406-A	COLD MILLING OF BITUMINOUS PAVEMENT, ALL DEPTHS	2,774.000	SY	11	00	30,514	00
9	S-618-A	MAINTENANCE OF TRAFFIC	Lump Sum	LS	XXXXXXXXXXXX	XXXXXXXXXXXX	77,000	00
10	S-618-B	ADDITIONAL CONSTRUCTION SIGNS	0.000	SF	0	0	0	00
11	S-621-C	4" WIDE THERMOPLASTIC EDGE STRIP (CONTINUOUS WHITE) (60 MILS)	14.981	MI	1,000	00	14,981	00
12	S-621-D	4" WIDE THERMOPLASTIC TRAFFIC STRIPE (SKIP YELLOW) (90 MILS)	6.259	MI	395	00	2,472	31
13	S-621-E-2	4" WIDE THERMOPLASTIC TRAFFIC STRIPE (CONTINUOUS YELLOW) (90 MILS)	5.221	MI	1,200	00	6,265	20
14	S-621-G-1	THERMOPLASTIC DETAIL STRIPE (4" EQUIVALENT LENGTH) (WHITE) (90 MILS)	150.000	LF	0	75	112	50
15	S-621-G-2	THERMOPLASTIC DETAIL STRIPE (4" EQUIVALENT LENGTH) (YELLOW) (90 MILS)	825.000	LF	0	75	618	75

Ref. No.	Pay Item No.	Description	Approx. Quantity	Unit	Unit Price		Item Total	
					Dollars	Cents	Dollars	Cents
16	S-621-H-1	THERMOPLASTIC LEGEND (WHITE) (120 MILS)	354.000	LF	1	00	354	00
17	S-621-H-2	THERMOPLASTIC LEGEND (WHITE) (120 MILS)	131.600	SF	3	75	493	50
18	S-627-L	TWO-WAY YELLOW REFLECTIVE HIGH PERFORMANCE RAISED MARKERS	998.000	EA	3	50	3,493	00
19	S-630-A	REFLECTORIZED TRAFFIC WARNING SIGN (ENCAPSULATED LENS)	7.000	EA	210	25	1,471	75
20	S-630-B	REFLECTORIZED TRAFFIC REGULATORY SIGN (ENCAPSULATED LENS)	6.000	EA	195	00	1,170	00
21	S-630-C	REFLECTORIZED TRAFFIC OBJECT MARKER (ENCAPSULATED LENS) (TYPE 3)	20.000	EA	163	00	3,260	00
22	S-630-H	REFLECTORIZED TRAFFIC REGULATORY SIGN WITH SUPP. PLATE (ENCAPSULATED LENS)	6.000	EA	208	00	1,248	00
23	S-632-A	ROADBED RECLAMATION	11,648.000	SY	16	92	197,084	16
Subtotal Roadway Items							2,031,554	22
Erosion Control Items								
24	S-233-A	TEMPORARY SILT FENCE (TYPE I) (AOS 0.15-0.84)	8,736.000	LF	5	00	43,680	00
Subtotal Erosion Control Items								
Total Bid							2,075,234	22

SECTION 902 - PROPOSAL (Continued)

I (we) further propose to perform all "force account or extra work" that may be required of me (us) on the basis provided in the Specifications and to give such work my (our) personal attention in order to see that it is economically performed.

I (we) further propose to execute the attached contract agreement (Section 903) as soon as the work is awarded to me (us), and to begin and complete the work within the time limit provided for in the Specifications and Notice to Contractors. I (we) also propose to execute the attached contract bond (Section 904) in an amount not less than one hundred (100) percent of the total of my (our) bid. This bond shall not only serve to guarantee the completion of the work on my (our) part, but also to guarantee the excellence of both workmanship and materials until the work is finally accepted.

I (we) enclose a certified check (bid bond) for 5% of Total Bid (\$ 5% of Total Bid) Dollars and hereby agree that in case of my (our) failure to execute the contract and furnish bond within FIFTEEN (15) days after notice of award, the amount of this check (bid bond) will be forfeited to the County of Madison, State of Mississippi as liquidated damages arising out of my (our) failure to execute the contract as proposed. It is understood that in case I am (we are) not awarded the work, the check will be returned as provided in the Specifications.

Respectfully submitted,

Dickenson + Bowen Inc
Signed

By Lester Williams

Title President

Address P.O. Box 1008 Brookhaven, MS 39601

Date August 21, 20 17

(To be filled in if a corporation)

Our corporation is chartered under the Laws of the State of Mississippi and the names, titles and business addresses of the executives are as follows:

Lester Williams
President

Cecil Estess
Secretary

Cecil Estess
Treasurer

P.O. Box 1008 Brookhaven, MS 39602
Address

P.O. Box 1008 Brookhaven, MS 39602
Address

P.O. Box 1008 Brookhaven, MS 39602
Address

Proposal Guaranty

Insert here or attach hereto certified check or Proposal Guaranty Bond in the amount as required in the Notice to Contractors.

Each agent representing such Surety Company must file with the contracting entity his power of attorney duly executed by said Surety Company.

Regions Insurance

1020 Highland Colony Parkway, Ste. 302, Ridgeland, MS 39157
PH 601-790-8500 WATS 800-844-6700 FAX 601-790-8558

BID BOND

The American Institute of Architects,
AIA Document No. A310 (February, 1970 Edition)

KNOW ALL MEN BY THESE PRESENTS, that we Dickerson and Bowen, Inc.

P. O. Box 1008, Brookhaven, MS 39602-1008

as Principal, hereinafter called the Principal, and Hartford Accident and Indemnity Company

One Hartford Plaza, Hartford, CT 06155 - 0001

a corporation duly organized under the laws of the state of CT

as Surety, hereinafter called the Surety, are held and firmly bound unto Madison County and the State of Mississippi
, Canton, MS

as Obligee, hereinafter called Obligee, in the sum of

Five Percent of Amount Bid

Dollars (\$ 5%),

for the payment of which sum well and truly to be made, the said Principal and the said Surety, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has submitted a bid for Construction of State Aid Project No. SAP-45(13)M, Madison County, MS, as per proposal

NOW, THEREFORE, if the Obligee shall accept the bid of the Principal and the Principal shall enter into a Contract with the Obligee in accordance with the terms of such bid, and give such bond or bonds as many be specified in the bidding or Contract Documents with good and sufficient surety for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof, or in the event of the failure of the Principal to enter such Contract and give such bond or bonds, if the Principal shall pay to the Obligee the difference not to exceed the penalty hereof between the amount specified in said bid and such larger amount for which the Obligee may in good faith contract with another party to perform the Work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect.

Signed and sealed this 21st day of August 2017



(Witness)

Dickerson and Bowen, Inc.

(Principal)

(Seal)

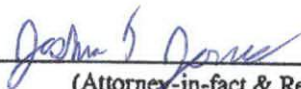
By

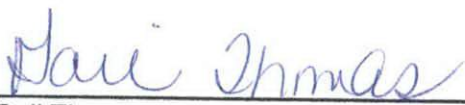

(Title) President

Hartford Accident and Indemnity Company

(Surety)

By


(Attorney-in-fact & Res. Miss. Agent)
Joshua T. Jones


Gail Thomas (Witness)

POWER OF ATTORNEY

Direct Inquiries/Claims to:
THE HARTFORD
 Bond T-12
 One Hartford Plaza
 Hartford, Connecticut 06155
 email: bond.claims@thehartford.com
 call: 888-266-3488 | fax: 860-757-5835

KNOW ALL PERSONS BY THESE PRESENTS THAT:

Agency Code: 43-239502

- Hartford Fire Insurance Company, a corporation duly organized under the laws of the State of Connecticut
- Hartford Casualty Insurance Company, a corporation duly organized under the laws of the State of Indiana
- Hartford Accident and Indemnity Company, a corporation duly organized under the laws of the State of Connecticut
- Hartford Underwriters Insurance Company, a corporation duly organized under the laws of the State of Connecticut
- Twin City Fire Insurance Company, a corporation duly organized under the laws of the State of Indiana
- Hartford Insurance Company of Illinois, a corporation duly organized under the laws of the State of Illinois
- Hartford Insurance Company of the Midwest, a corporation duly organized under the laws of the State of Indiana
- Hartford Insurance Company of the Southeast, a corporation duly organized under the laws of the State of Florida

having their home office in Hartford, Connecticut (hereinafter collectively referred to as the "Companies") do hereby make, constitute and appoint, **up to the amount of Unlimited** :

Elizabeth A. Cramer, Joshua T. Jones, Wesley H. McCubbins, Charles F. Porter of RIDGELAND, Mississippi

their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign its name as surety(ies) only as delineated above by , and to execute, seal and acknowledge any and all bonds, undertakings, contracts and other written instruments in the nature thereof, on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

In Witness Whereof, and as authorized by a Resolution of the Board of Directors of the Companies on August 1, 2009, the Companies have caused these presents to be signed by its Vice President and its corporate seals to be hereto affixed, duly attested by its Assistant Secretary. Further, pursuant to Resolution of the Board of Directors of the Companies, the Companies hereby unambiguously affirm that they are and will be bound by any mechanically applied signatures applied to this Power of Attorney.



John Gray

John Gray, Assistant Secretary

M. Ross Fisher

M. Ross Fisher, Vice President

STATE OF CONNECTICUT }
 COUNTY OF HARTFORD } ss. Hartford

On this 12th day of July, 2012, before me personally came M. Ross Fisher, to me known, who being by me duly sworn, did depose and say: that he resides in the County of Hartford, State of Connecticut; that he is the Vice President of the Companies, the corporations described in and which executed the above instrument; that he knows the seals of the said corporations; that the seals affixed to the said instrument are such corporate seals; that they were so affixed by authority of the Boards of Directors of said corporations and that he signed his name thereto by like authority.



CERTIFICATE

Kathleen T. Maynard

Kathleen T. Maynard
 Notary Public

My Commission Expires July 31, 2016

I, the undersigned, Vice President of the Companies, DO HEREBY CERTIFY that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is still in full force effective as of August 21, 2017
 Signed and sealed at the City of Hartford.



Kevin Heckman

Kevin Heckman, Assistant Vice President

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 903

CONTRACT (Rev. 03-11-2010)

CONTRACT FOR SAP-45(13)M, Virillia Road- Maintenance Overlay

LOCATED IN THE COUNTY OF Madison

STATE OF MISSISSIPPI

COUNTY OF Madison

This contract entered into by and between the Board of Supervisors of Madison
County, Mississippi, on the one hand, and the undersigned contractor. on the other, witnesseth:

That in consideration of the payment by the Board of Supervisors of the prices set out in the proposal hereto attached, to the undersigned contractor, such payment to be made in the manner and at the time or times specified in the specifications and the special provisions, if any, the undersigned contractor hereby agrees to accept the prices stated in the proposal in full compensation for the furnishing of all materials and equipment and the executing of all the work contemplated in this contract.

It is understood and agreed that the advertising according to law, the notice to contractors, the instructions to bidders, the proposal for the contract, the specifications, the revisions of the specifications, the special provisions, and also the plans for the work herein contemplated, said plans showing more particularly the details of the work to be done, shall be held to be, and are hereby made a part of this contract by specific reference thereto and with like effect as if each and all of said instruments had been set out fully herein in words and figures.

It is further agreed that for the same consideration the undersigned contractor shall be responsible for all loss or damage arising out of the nature of the work aforesaid, or from the action of the elements, and unforeseen obstructions or difficulties which may be encountered in the prosecution of the same and for all risks of every description connected with the work for faithfully completing the whole work in good and workmanlike manner according to the approved Plans, Specifications, Special Provisions and requirements of the Board of Supervisors and the State Aid Engineer.

It is further agreed that the work shall be done under the direct supervision and to the complete satisfaction of the County Engineer, or his authorized representatives, subject to inspection at all times and approval by the State Aid Engineer, and when Federal Funds are involved, by the Federal Highway Administration, or their agents as the case may be, in accordance with those Acts of the Legislature of the State of Mississippi approved by the Governor and such rules and regulations issued pursuant thereto by the State Aid Engineer of the Mississippi Department of Transportation Authorized Federal Agencies.

The Contractor agrees that all labor as outlined in the Special Provisions will be secured from list furnished by

It is agreed and understood that each and every provision of law and clause required by law to be inserted in this, contract shall be deemed to be inserted herein and this contract shall be read and enforced as though it were included herein and, if through mere mistake or otherwise any such provision is not inserted, or is not correctly inserted, then upon the application of either party hereto, the contract shall forthwith be physically amended to make such insertion.

The Contractor agrees that he has read each and every clause of this Contract, and fully understands the meaning of same and that he will comply with all the terms, covenants and agreements therein set forth.

Witness our signatures this the 31st day of August 20 17

(1) Dickerson & Bowen, Inc. APPROVED _____ 20 _____
Contractor(s)

By [Signature] (3) _____
State Aid Engineer

TITLE President
Signed and Sealed in the presence of:
(names and addresses of witnesses) APPROVED _____ 20 _____

(1) Dave Glavin P.O. Box 22766, Jm Ms.
(4) TRANSPORTATION COMMISSION OF THE STATE OF MISSISSIPPI (Approval of the Commission not Required when no Federal Funds are involved.)

(2) BOARD OF SUPERVISORS
Madison County

By _____ President By _____ Executive Director

Award authorized by the Board of Supervisors of Madison

County in session on the _____ Day of _____ 20 _____

Minute Book No. _____, Page no _____

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904

CONTRACT BOND (Rev. 03-11-2010)

CONTRACT BOND FOR SAP-45(13)M Virilia Road - Maintenance Overlay

LOCATED IN THE COUNTY OF Madison

STATE OF MISSISSIPPI

COUNTY OF Madison

Know all men by these presents: that we, Dickerson & Bowen, Inc. Principal a Corporation residing at P. O. Box 1008, Brookhaven in the State of Mississippi and Hartford Accident and Indemnity Company residing at One Hartford Plaza, Hartford in the State of Connecticut authorized to do business in the State of Mississippi, under the laws thereof, as surety, are held and firmly bound unto the Board of Supervisors of Madison County, State of Mississippi, in the Penal sum of Two Million Seventy-Five Thousand Two Hundred* (\$). Dollars, lawful money of the United States of America. to be paid to it for which payment well and truly to be made, we bind ourselves, our heirs, administrators, successors, or assigns jointly and severally by these presents.

*Thirty Four Dollars and Twenty Two Cents

Signed and sealed this the 31st day of August A. D., 20 17.

The conditions of this bond are such, that whereas the said Dickerson & Bowen, Inc.

principal, has (have) entered into a contract with the Board of Supervisors of Madison County of the State of Mississippi, bearing the date of 31st day of August A. D., 20 17 hereto annexed, for the construction of certain highways in the said county as mentioned in said contract in accordance with the plans, specifications and special provisions therefor, on file in the office of the Chancery Clerk of the county and state herein named.

Now, therefore, if the above bounden Dickerson & Bowen, Inc. in all things shall stand to and abide by and well and truly observe, do, keep and perform all and singular the terms, covenants, conditions, guarantees and agreements in said contract, contained on his (their) part to be observed, done, kept and performed and each of them, at the time and in the manner and form and furnish all of the material and equipment specified in said contract in strict accordance with the terms of said contract which said plans, specifications and special provisions are included in and form a part. of said contract and shall maintain, the said work contemplated until

its final completion and acceptance as specified in the currently approved specifications, and save harmless said Board of Supervisors from any loss or damage arising out of or occasioned by the negligence, wrongful or criminal act, overcharge, fraud, or any other loss or damage whatsoever, on the part of said principal(s), his (their) agents, servants, or employees in the performance of said work or in any manner connected therewith, an shall be liable and responsible in a civil action instituted by the Board of Supervisors at the instance of the State Aid Engineer or any officer of the said county authorized in such cases, for double any amount in money or property, the Board of Supervisors may lose or be overcharged or otherwise defrauded of, by reason of any wrongful or criminal act, if any, of the Contractor(s), his (their) agents, or employees, and shall promptly pay the said agents, servants and employees and all persons furnishing labor, material, equipment or supplies therefor, including premiums incurred, for Surety Bonds, Liability Insurance, and Workmen's Compensation Insurance; with the additional obligation that such Contractor shall promptly make payment of all taxes, licenses, assessments, contributions, damages, penalties and interest thereon, when and as the same may be due this State, or any county, municipality, board, department Commission or political Subdivision; in the course of the performance of said work, and in accordance with Sections 31-5-51 et seq. of the Mississippi Code of 1972, and other State statutes applicable thereto, and shall carry out to the letter and to the satisfaction of both the Board of Supervisors of the aforesaid county and the State Aid Engineer all, each and every one of the stipulations, obligations, conditions, covenants and agreements and terms of said contract in accordance with all terms thereof and all of the expense and cost and Attorney's fees that may be incurred in the enforcement of the performance of said contract, or in the enforcement of the conditions and obligations of this bond, then this obligation shall be null and void, otherwise to be and remain in full force and virtue.

Witness our signatures this the 31st day of August A. D., 20 17

Dickerson & Bowen, Inc.

(CONTRACTORS) Principal

By: *Andrew William*

TITLE President
(Contractor's Seal)

Hartford Accident and Indemnity Company

SURETY

By: *Joshua T. Jones*
(Signature) ATTORNEY IN FACT.
Joshua T. Jones

Regions Insurance, Inc.

1020 Highland Colony Parkway, Suite 302

Name and address of MS agent or qualified non-resident agent
Ridgeland, MS 39157

(Surety Seal)

POWER OF ATTORNEY

Direct Inquiries/Claims to:
THE HARTFORD
Bond T-12
One Hartford Plaza
Hartford, Connecticut 06155
email: bond.claims@thehartford.com
call: 888-266-3488 | fax: 860-757-5835

KNOW ALL PERSONS BY THESE PRESENTS THAT:

Agency Code: 43-239502

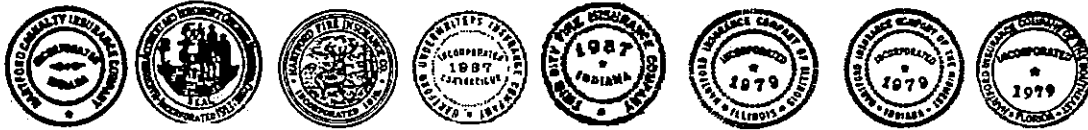
- Hartford Fire Insurance Company, a corporation duly organized under the laws of the State of Connecticut
- Hartford Casualty Insurance Company, a corporation duly organized under the laws of the State of Indiana
- Hartford Accident and Indemnity Company, a corporation duly organized under the laws of the State of Connecticut
- Hartford Underwriters Insurance Company, a corporation duly organized under the laws of the State of Connecticut
- Twin City Fire Insurance Company, a corporation duly organized under the laws of the State of Indiana
- Hartford Insurance Company of Illinois, a corporation duly organized under the laws of the State of Illinois
- Hartford Insurance Company of the Midwest, a corporation duly organized under the laws of the State of Indiana
- Hartford Insurance Company of the Southeast, a corporation duly organized under the laws of the State of Florida

having their home office in Hartford, Connecticut (hereinafter collectively referred to as the "Companies") do hereby make, constitute and appoint, **up to the amount of Unlimited** :

Elizabeth A. Cramer, Joshua T. Jones, Wesley H. McCubbins, Charles F. Porter of RIDGELAND, Mississippi

their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign its name as surety(ies) only as delineated above by , and to execute, seal and acknowledge any and all bonds, undertakings, contracts and other written instruments in the nature thereof, on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

In Witness Whereof, and as authorized by a Resolution of the Board of Directors of the Companies on August 1, 2009, the Companies have caused these presents to be signed by its Vice President and its corporate seals to be hereto affixed, duly attested by its Assistant Secretary. Further, pursuant to Resolution of the Board of Directors of the Companies, the Companies hereby unambiguously affirm that they are and will be bound by any mechanically applied signatures applied to this Power of Attorney.



John Gray, Assistant Secretary

M. Ross Fisher, Vice President

STATE OF CONNECTICUT }
 } ss. Hartford
COUNTY OF HARTFORD }

On this 12th day of July, 2012, before me personally came M. Ross Fisher, to me known, who being by me duly sworn, did depose and say: that he resides in the County of Hartford, State of Connecticut; that he is the Vice President of the Companies, the corporations described in and which executed the above instrument; that he knows the seals of the said corporations; that the seals affixed to the said instrument are such corporate seals; that they were so affixed by authority of the Boards of Directors of said corporations and that he signed his name thereto by like authority.



CERTIFICATE

Kathleen T. Maynard
Notary Public

My Commission Expires July 31, 2016

I, the undersigned, Vice President of the Companies, DO HEREBY CERTIFY that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is still in full force effective as of
Signed and sealed at the City of Hartford.



Kevin Heckman, Assistant Vice President

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER: Regions Insurance Inc -Jackson, 1020 Highland Colony Parkway, Suite 302, Ridgeland, MS 39157
CONTACT NAME: Darlene Manley
PHONE (A/C, No, Ext): 601 790-8514
FAX (A/C, No): 601-326-4765
E-MAIL ADDRESS: darlene.manley@regions.com
INSURER(S) AFFORDING COVERAGE: INSURER A: Safety National Casualty Corpor NAIC #: 15105
INSURER B: AGC Workers Compensation Fund
INSURER C:
INSURER D:
INSURER E:
INSURER F:

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

Table with columns: INSR LTR, TYPE OF INSURANCE, ADDL SUBR INSR WVD, POLICY NUMBER, POLICY EFF (MM/DD/YYYY), POLICY EXP (MM/DD/YYYY), LIMITS. Rows include Commercial General Liability, Automobile Liability, Umbrella Liab, Workers Compensation, and Excess Work Comp.

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
This Workers' Compensation Coverage provides for the payment of benefits under the laws of the State of Mississippi only. No Federal (USL&H, Jones Act). A Waiver of Subrogation is included in favor of the Certificate Holder.
SAP-45(13)M, Virllia Road-Maintenance Overlay, Madison County

CERTIFICATE HOLDER: Mississippi Department of Transportation, PO Box 1850, Jackson, MS 39215
CANCELLATION: SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
AUTHORIZED REPRESENTATIVE: [Signature]



DICK&BO-02

JJAMES

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
08/29/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

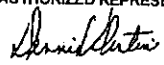
PRODUCER Insurance & Risk Managers P.O. Box 910 Brookhaven, MS 39602	CONTACT NAME: PHONE (A/C, No, Ext): (601) 833-6321 E-MAIL ADDRESS: info@irm-ms.com	FAX (A/C, No): (601) 833-3409
	INSURER(S) AFFORDING COVERAGE	
INSURED Dickerson & Bowen, Inc. P. O. Box 1008 Brookhaven, MS 39601	INSURER A : United Fire & Casualty Company	
	INSURER B : United Fire Group	
	INSURER C :	
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			60476321	05/01/2017	05/01/2018	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY			60476321	05/01/2017	05/01/2018	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			60476321	05/01/2017	05/01/2018	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y/N If yes, describe under DESCRIPTION OF OPERATIONS below		N/A				PER STATUTE <input type="checkbox"/> OTH-ER <input type="checkbox"/> E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
A	Property			60476321	05/01/2017	05/01/2018	
A	Equipment Floater			60476321	05/01/2017	05/01/2018	Leased/Rented \$ 500,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
RE: SAP-45(13)M Virilia Road Maintenance Overlay, Madison County

CERTIFICATE HOLDER MS DEPT OF TRANSPORTATION & BOARD OF SUPERVISORS Madison County P O BOX 1850 JACKSON, MS 39215-1850	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
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BOARD OF SUPERVISORS

MADISON

County

SHEILA JONES

District

1

DAVID BISHOP

District

4

GERALD STEEN

District

3

PAUL GRIFFIN

District

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TREY BAXTER

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District

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