



SM No. CLWO6017180031

# PROPOSAL AND CONTRACT DOCUMENTS

FOR THE CONSTRUCTION OF  
(EXEMPT)

22

Work necessary to improve the parking lot and the site of District Six Headquarters in Hattiesburg, known as State Project No. LWO-6017-18(003) / 501632301, in the County of Forrest, State of Mississippi.

Project Completion: December 31, 2007

## NOTICE

**BIDDERS MUST PURCHASE A BOUND PROPOSAL  
FROM MDOT CONTRACT ADMINISTRATION DIVISION  
TO BID ON THIS PROJECT.**

Electronic addendum updates will be posted on [www.goMDOT.com](http://www.goMDOT.com)

**SECTION 900  
OF THE CURRENT  
(2004) STANDARD SPECIFICATIONS  
FOR ROAD AND BRIDGE CONSTRUCTION  
MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
JACKSON, MISSISSIPPI**

**BIDDER CHECK LIST  
(FOR INFORMATION ONLY)**

- \_\_\_\_\_ All unit prices and item totals have been entered in accordance with Subsection 102.06 of the Mississippi Standard Specifications for Road and Bridge Construction.
- \_\_\_\_\_ If the bid sheets were prepared using MDOT's Electronic Bid System, proposal sheets have been stapled and inserted into the proposal package.
- \_\_\_\_\_ First sheet of SECTION 905--PROPOSAL has been completed.
- \_\_\_\_\_ Second sheet of SECTION 905--PROPOSAL has been completed and signed.
- \_\_\_\_\_ Addenda, if any, have been acknowledged. Second sheet of Section 905 listing the addendum number has been substituted for the original second sheet of Section 905. Substituted second sheet of Section 905 has been properly completed, signed, and added to the proposal.
- \_\_\_\_\_ DBE/WBE percentage, when required by contract, has been entered on last sheet of the bid sheets of SECTION 905 - PROPOSAL.
- \_\_\_\_\_ Form OCR-485, when required by contract, has been completed and signed.
- \_\_\_\_\_ The last sheet of the bid sheets of SECTION 905--PROPOSAL has been signed.
- \_\_\_\_\_ Combination Bid Proposal of SECTION 905--PROPOSAL has been completed for each project which is to be considered in combination (See Subsection 102.11).
- \_\_\_\_\_ Equal Opportunity Clause Certification, when included in contract, has been completed and signed.
- \_\_\_\_\_ Subcontract Certificate, when included in contract, has been completed and signed.
- \_\_\_\_\_ The Certification regarding Non-Collusion, Debarment and Suspension, etc. has been executed in duplicate.
- \_\_\_\_\_ A certified check, cashier's check or bid bond payable to the State of Mississippi in the principal amount of 5% of the bid has been included with project number identified on same. Bid bond has been signed by the bidder and has also been signed or countersigned by a Mississippi Resident Agent for the Surety with Power of Attorney attached or on file with the Department's Contract Administration Engineer.
- \_\_\_\_\_ Non-resident Bidders: ON STATE FUNDED PROJECTS ONLY, a copy of the current laws regarding any preference for local Contractors from State wherein domiciled has been included. See Subsection 103.01, Mississippi Standard Specifications for Road and Bridge Construction, and Section 31-7-47, MCA, 1972 regarding this matter.

Return the proposal and contract documents in its entirety in a sealed envelope. **DO NOT** remove any part of the contract documents; exception - an addendum requires substitution of second sheet of Section 905. A stripped proposal is considered as an irregular bid and will be rejected.

Failure to complete any or all of the applicable requirements will be cause for the proposal to be considered irregular.

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

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906-3:        MDOT On-the-Job Training Program  
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**PAGE 2 - PROJECT NO: LWO-6017-18(003) / 501632301 -- Forrest County**

SECTION 905 - PROPOSAL,  
PROPOSAL SHEET NOS. 2-1 THRU 2-8  
COMBINATION BID PROPOSAL,  
STATE BOARD OF CONTRACTORS REQUIREMENTS,  
NON-COLLUSION CERTIFICATE,  
SECTION 902 - CONTRACT FORM, AND SECTION 903 - CONTRACT BOND FORM,  
HAUL PERMIT FOR BRIDGES WITH POSTED WEIGHT LIMITS.

(REVISIONS TO THE ABOVE WILL BE INDICATED ON THE SECOND SHEET  
OF SECTION 905 AS ADDENDA)

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

## SECTION 901 - ADVERTISEMENT

Sealed bids will be received by the Mississippi Transportation Commission in the Office of the Contract Administration Engineer, Room 1013, Mississippi Department of Transportation Administration Building, 401 North West Street, Jackson, Mississippi, until 9:30 o'clock A.M., Tuesday, May 22, 2007; thereafter, bids will be received in the First Floor Auditorium of the Mississippi Department of Transportation Administration Building, Jackson, Mississippi, until 10:00 o'clock A.M., Tuesday, May 22, 2007 , and shortly thereafter publicly opened for:

Work necessary to improve the parking lot and the site of District Six Headquarters in Hattiesburg, known as State Project No. LWO-6017-18(003) / 501632301, in the County of Forrest, State of Mississippi.

The attention of bidders is directed to the predetermined minimum wage rate set by the U. S. Department of Labor under the Fair Labor Standards Act.

The Mississippi Department of Transportation hereby notifies all bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises 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, sex, age, disability, religion or national origin in consideration for an award.

Plans and specifications are on file in the offices of the Mississippi Department of Transportation.

Bid proposals must be acquired from the MDOT Contract Administration Division. These proposal are available at a cost of Ten Dollars (\$10.00) per proposal. Specimen proposals are also available at the MDOT Contract Administration Division at a cost of Ten Dollars (\$10.00) per proposal, or can be viewed or downloaded at no cost at [www.gomdot.com](http://www.gomdot.com).

Plans may be acquired on a cost per sheet basis from MDOT Plans Print Shop, Room 1100, MDOT Administration Building, 401 North West Street, Jackson, Mississippi, 39201, Telephone (601) 359-7460 or e-mail at [plans@mdot.state.ms.us](mailto:plans@mdot.state.ms.us) or FAX (601) 359-7461. Plans will be shipped upon receipt of payment.

Bid bond, signed or countersigned by a Mississippi Resident Agent, with Power of Attorney attached or on file with the Contract Administration Engineer of the Department, a Cashier's check or Certified Check for five (5%) percent of bid, payable to STATE OF MISSISSIPPI, must accompany each proposal.

The attention of bidders is directed to the provisions of Subsection 102.07 pertaining to irregular proposals and rejection of bids.

LARRY L. "BUTCH" BROWN  
EXECUTIVE DIRECTOR

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**SECTION 904 - NOTICE TO BIDDERS NO. 1**

**CODE: (IS)**

**DATE: 05/03/2004**

**SUBJECT: Governing Specifications**

The current (2004) Edition of the Standard Specifications for Road and Bridge Construction adopted by the Mississippi Transportation Commission 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 MDOT Construction Division.

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 contain references to the 1990 Edition of the Standard Specifications for 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.

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**SECTION 904 - NOTICE TO BIDDERS NO. 12**

**CODE: (IS)**

**DATE: 05/03/2004**

**SUBJECT: Federal Bridge Formula**

Bidders are hereby advised that Federal Highway Administration Publication No. FHWA-MC-94-007, **BRIDGE FORMULA WEIGHTS**, dated January 1994, is made a part of this contract when applicable.

Prior to the preconstruction conference, the Contractor shall advise the Engineer, in writing, what materials, if any, will be delivered to the jobsite via Interstate route(s).

Copies of the **BRIDGE FORMULA WEIGHTS** publication may be obtained by contacting:

Federal Highway Administration  
400 7<sup>th</sup> Street, SW  
Washington, DC 20590  
(202) 366-2212

or

<http://ops.fhwa.dot.gov/freight/regulate/sw/>

## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**SECTION 904 - NOTICE TO BIDDERS NO. 14**

**CODE: (SP)**

**DATE: 05/03/2004**

**SUBJECT: Storm Water Discharge Associated with Construction Activity  
( $\geq 1$  and  $< 5$  Acres)**

Construction Storm Water General NPDES Permit MSR 15 to discharge storm water associated with construction activity is required. This project is granted permission to discharge treated storm water into State waters. Copies of said permit and Storm Water Pollution Prevention Plan (SWPPP) are on file with the Department.

Prior to the execution of the contract, the successful bidder shall execute and deliver to the Executive Director an original signed copy of the completed Prime Contractor Certification (Form No. 1).

Failure of the bidder to execute and file the completed Prime Contractor Certification (Form No. 1) shall be just cause for the cancellation of the award.

The executed Prime Contractor Certification (Form No. 1) shall be prima facie evidence that the bidder has examined the permit, is satisfied as to the terms and conditions contained therein, and that the bidder assumes the responsibility for meeting all permit terms and conditions and for performing permit requirements including, but not limited to, the inspection and reporting requirements of Part IV. For this project, the Contractor shall furnish, set up and read, as needed, an on-site rain gauge.

Prior to the commencement of construction activities, the Contractor must furnish the Project Engineer a completed copy of the Small Construction Notice of Intent (SCNOI) for the Project Engineer's records.

The Contractor shall make inspections in accordance with Part IV.C and shall furnish the Project Engineer with the results of each weekly inspection as soon as possible following the date of inspection. A copy of the form provided in Part IX with the inspection portion completed shall be sufficient. The weekly inspections must be documented monthly on the Inspection and Certification Form for Small Construction Erosion and Sediment Controls (Part IX). The Contractor's representative and the Project Engineer shall jointly review and discuss the results of the inspections so that corrective action can be taken. The Project Engineer shall retain copies of the inspection reports.

An amount equal to 25 percent (25%) of the total estimated value of the work performed during each period in which the Contractor fails to submit the completed monthly Inspection and Certification Form for Small Construction Erosion and Sediment Controls (Part IX) to the Project Engineer will be withheld from the Contractor's earned work. Thereafter, on subsequent



successive estimate periods, the percentage withheld will be increased at the rate of 25 percent per estimate period in which the non-conformance with this specification continues. Monies withheld for this non-conformance will be released for payment on the next monthly estimate for partial payment following the date the submittal of the completed monthly Inspection and Certification Form for Small Construction Erosion and Sediment Controls (Part IX) is brought back into compliance with this specification.

In summary, prior to the execution of the contract, the successful bidder shall execute and deliver to the Executive Director an original signed copy of the completed Prime Contractor Certification (Form No. 1). Also, prior to the commencement of construction on the project, the Contractor shall furnish the Project Engineer a completed copy of the Small Construction Notice of Intent (SCNOI) for the Project Engineer's records.

Securing a permit (s) for storm water discharge associated with the Contractor's activity on any other regulated area the Contractor occupies, shall be the responsibility of the Contractor.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SECTION 904 - NOTICE TO BIDDERS NO. 151**

**CODE: (IS)**

**DATE: 06/18/2004**

**SUBJECT: Gopher Tortoises**

Bidders are hereby advised that the Contractor will be required to make special considerations regarding gopher tortoises on this project. In addition to the normal required documentation associated with borrow pits, the Contractor shall, for each site used to obtain or dispose of materials associated with this project, 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.

## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

| SECTION 904 - NOTICE TO BIDDERS NO. 640

CODE: (IS)

| DATE: 09/26/2005

SUBJECT: Fiber Reinforced Concrete

Bidders are hereby advised that synthetic structural fibers meeting the requirements of Subsection 907-711.04 may be used in lieu of wire mesh in some items of construction. Substitution of fibers for wire mesh will be allowed in the construction of paved ditches, paved flumes, paved inlet apron, driveways, guard rail anchors and pile encasements. Substitution in any other items of work must be approved by the State Construction Engineer prior to use.

## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

| SECTION 904 - NOTICE TO BIDDERS NO. [777](#)

CODE: (IS)

| DATE: [04/13/2006](#)

**SUBJECT: On-The-Job Training Program**

| Payment for training hours will be handled as outlined in Special Provision 906-6. A pay item for trainees will not be included in individual construction projects. Payment for training individuals will be processed in accordance with the conditions in MDOT's ON-THE-JOB TRAINING PROGRAM (Special Provision 906-6).

| On Federal-Aid projects, failure on the part of the Contractor to carryout the terms of the Alternate Training Special Provision (Special Provision 906-6) will be considered grounds to preclude the Contractor from participating in the Alternate On-The-Job Training Program. In the event the Department is required to preclude the Contractor from participating in the program, the Contractor will be required to adhere to the requirements of the Training Special Provision (Special Provision 906-3), for which purpose the special provision is also made a part of this proposal.

## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**SECTION 904 - NOTICE TO BIDDERS NO. 883**

**CODE: (IS)**

**DATE: 04/28/2006**

**SUBJECT: Payroll Requirements**

Bidders are hereby advised that the Contractor and Subcontractor(s) are required to submit payroll information to the Project Engineers on a weekly basis.

On Federal-Aid Projects, CAD-880, CAD-881 and certified payroll submissions are required each week the Contractor or a Subcontractor performs work on the project. This is addressed in Section V, page 6 of Form FHWA-1273.

On State-Funded Projects, CAD-880 is required each week the Contractor or a Subcontractor performs work on the project.

When no work is performed on either Federal-Aid and State-Funded Projects, the Contractor should only submit CAD-880 showing no work activities.

The Contractor shall make all efforts necessary to submit this information to the Project Engineer in a timely manner. The Engineer will have the authority to suspend the work wholly or in part and to withhold payments because of the Contractor's failure to submit the required information. Submission of forms and payrolls shall be current through the first full week of the month for the estimate period in order for the Project Engineer to process an estimate.

Bidders are advised to review the requirements regarding payroll submissions in Section 110 of the Standard Specifications.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SECTION 904 - NOTICE TO BIDDERS NO. 1299**

**CODE: (SP)**

**DATE: 04/20/2007**

**SUBJECT: Contract Time**

**PROJECT: LWO-6017-18(003) / 501632301 -- Forrest County**

The calendar date for completion of Work to be performed by the Contractor for this Project shall be **December 31, 2007**, which date or extended date as provided in Subsection 108.06 shall be the end of Contract Time. The anticipated date for Notice of Award of **June 12, 2007**, shall be after the execution of the Contract. The anticipated date for issuing the Beginning of Contract Time and Notice to Proceed will be **July 5, 2007**.

A progress schedule as referenced to in Subsection 108.03 will not be required for this contract.

## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 1300

DATE: 12/21/2006

SUBJECT: Specialty Items

PROJECT: LWO-6017-18(003) / 501632301 - Forrest County

Pursuant to the provisions of Section 108, the following work items are hereby designated as "Specialty Items" for this contract. Bidders are reminded that these items must be subcontracted in order to be considered as specialty items.

### CATEGORY: EROSION CONTROL

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Line No	Pay Item	Description
0040	211-B001	Topsoil for Slope Treatment, Contractor Furnished
0050	212-B001	Standard Ground Preparation
0060	213-B003	Combination Fertilizer, 8-24-24
0120	234-A001	Temporary Silt Fence
0130	235-A001	Temporary Erosion Checks

### CATEGORY: LANDSCAPING

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Line No	Pay Item	Description
0100	232-A001	Fertilizer for Woody Plant Material
0110	233-A001	Tree Bark Mulch, Type I
0390	907-230-A001	Shrub Planting, Asiatic Jasmine
0400	907-230-A011	Shrub Planting, Dwarf Yaupon Holly
0410	907-230-A033	Shrub Planting, Japanese Cleypora
0420	907-230-A070	Shrub Planting, Japanese Privet, Tree-Form
0430	907-230-B005	Tree Planting, Little Gem Magnolia
0440	907-230-B044	Tree Planting, Crape Myrtle 'Natchez'
0450	907-230-C001	Bed Edging
0460	907-230-D001	Bed Preparation

### CATEGORY: PAVEMENT STRIPING AND MARKING

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Line No	Pay Item	Description
0780	907-628-G002	Cold Plastic Detail Stripe, White, 4" Equivalent Length
0790	907-628-G004	4" Cold Plastic Detail Stripe, Blue-ADA
0800	907-628-H002	Cold Plastic Legend, Blue-ADA Handicap Symbol

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SECTION 904 - NOTICE TO BIDDERS NO. 1302**

**CODE: (SP)**

**DATE: 12-21-2006**

**SUBJECT: Project Number Change**

**PROJECT: LWO-6017-18(003) / 501632301 -- Forrest County**

Anywhere in the plans, proposal, and specifications for the above Project that reference is made to State Project No. LWO-6017-08(003) / 501632301 it is understood that State Project No. LWO-6017-18(003) / 501632301 is the correct Project number.



# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 1405

CODE: (IS)

DATE: 03/15/2007

SUBJECT: ERRATA AND MODIFICATIONS TO THE 2004 STANDARD SPECIFICATIONS

<u>Page</u>	<u>Subsection</u>	<u>Change</u>
101	201.01	In the second sentence of the first paragraph, change “salvable” to “salvageable”.
107	202.04	In the fourth sentence of the fourth paragraph, change “yard” to “feet”.
107	202.05	In the list of units measurements for 202-B, add “square foot”.
132	211.03.4	In the second sentence of the second paragraph, change “planted” to “plated”.
192	306.02.4	In the first line of the first paragraph, delete the word “be”.
200	307.03.7	In the fourth sentence of the second paragraph, change “lime-fly ash” to “treated”.
236	401.01	Change the header from “Section 403” to “Section 401”.
242	401.02.3.2	In the first sentence of the third full paragraph, add “1/8” in the blank before the inch mark.
250	401.02.6.3	In the second sentence of the first paragraph on page 250, change “rutting over ”” to “rutting over 1/8” ”.
253	401.02.6.4.2	In the paragraph preceding the table, change “91.0” to “89.0”.
259	401.03.1.4	In the first paragraph, change “92.0 percent” to “the specified percentage (92.0 or 93.0)”.
269	403.03.2	In the table at the top of page 269, change the PI requirement from “ = ” to “ ≤ ”.

- 278 404.04 In the second sentence, change the subsection from “401.04” to “403.04”.
- 283 409.02.2 Change “PG 64-22” to “PG 67-22”.
- 294 413.02 In the first sentence of the second paragraph, change “707.02.1.3” to “Subsection 707.02.1.3”.
- 340 511.04 In the second sentence of the second paragraph, change “412” to “512”.
- 349 601.03.3 In the first sentence, change “804.03.2” to “804.03.5”.
- 355 603.02 Change the subsection reference for Joint mortar from “707.03” to “714.11”.
- 369 604.04 In the first sentence, change “601.04” to “Subsection 601.04”.
- 427 619.04 Delete the second paragraph.
- 442 625.04 In the third paragraph, change “626.04” to “Subsection 626.04”.
- 444 626.03.1.2 Delete the third sentence of the first paragraph.
- 464 631.02 Change the subsection reference for Water from “714.01.0” to “714.01.1”.
- 570 682.03 Change the subsection number from “682-03” to “682.03”.
- 575 683.10.4 Change the subsection number from “683.10.4” to “683.04”.
- 575 683.10.5 Change the subsection number from “683.10.5” to “683.05”.
- 596 701.02 In the table under the column titled “Cementations material required”, change Class F, FA” to “Class F FA,”.
- 603 702.11 In the first sentence, change “702.12” to “Subsection 702.12”.
- 612 703.04.2 In the fifth paragraph, delete “Subsection 703.11 and”.
- 616 703.07.2 In the Percentage By Weight Passing Square Mesh Sieves table, change the No. 10 requirement for Class 7 material from “30 - 10” to “30 - 100”.

- 618 703.13.1 In the first sentence of the first paragraph, change “703.09” to “703.06”.
- 618 703.13.2 In the first sentence, change “703.09” to “703.06”.
- 671 712.06.2.2 In the first sentence, change “712.05.1” to “Subsection 712.05.1”.
- 689 714.11.2 In the first sentence, change “412” to “512”.
- 709 715.09.5 In the first sentence of the first paragraph, change “guage” to “gauge”.
- 717 717.02.3.4 In the top line of the tension table, change “1 1/2” to “1 1/8” and change “1 1/8” to “1 1/2”.
- 741 720.05.2.2 In the last sentence of this subsection, change “720.05.2.1” to “Subsection 720.05.2.1”.
- 827 803.03.2.3.7.5.2 In the first sentence of the second paragraph, change “803.03.5.4” to “803.03.2.3.4”.
- 833 803.03.2.6 In the first sentence, change “803.03.7” to “803.03.2.5”.
- 854 804.02.11 In the last sentence of the first paragraph, change “automatically” to “automatic”.
- 859 804.02.13.1.3 In the last sentence, change Subsection “804.02.12.1” to “804.02.12”.
- 879 804.03.19.3.2 In the first sentence of the third paragraph, change “listed on of Approved” to “listed on the Approved”.
- 879 804.03.19.3.2 In the last sentence of the last paragraph, change “804.03.19.3.1” to “Subsection 804.03.19.3.1”.
- 962 814.02.3 In the first sentence, change “710.03” to “Subsection 710.03”.
- 976 820.03.2.1 In the first sentence, change “803.02.6” to “803.03.1.7”.
- 976 820.03.2.2 In the first sentence, change “803.03.9.6” to “803.03.1.9.2”.
- 985 Index Change the subsection reference for Petroleum Asphalt Cement from “702.5” to “702.05”.

985	Index	Change the subsection reference for the Definition of Asphaltic Cement or Petroleum Asphalt from “700.2” to “700.02”.
985	Index	Change the subsection reference for Automatic Batchers from “501.03.2.4” to “804.02.10.4”.
986	Index	Delete “501.03.2” as a subsection reference for Batching Plant & Equipment.
988	Index	Change the subsection reference for the Central Mixed Concrete from “501.03.3.2” to “804.02.11”.
988	Index	Change the subsection reference for the Concrete Batching Plant & Equipment from “501.03.2” to “804.02.11”.
999	Index	Delete “501.03.3.3” as a subsection reference for Truck Mixers.
1001	Index	Change the subsection reference for Edge Drain Pipes from “605.3.5” to “605.03.5”.
1002	Index	Change the subsection reference for Metal Posts from “713.05.2” to “712.05.2”.
1007	Index	Change the subsection reference for Coarse Aggregate of Cement Concrete Table from “703.3” to “703.03”.
1007	Index	Change the subsection reference for Composite Gradation for Mechanically Stabilized Courses Table from “703.8” to “703.08”.
1009	Index	Delete “501.03.3.3” as a subsection reference for Truck Mixers and Truck Agitators.
1010	Index	Delete reference to “Working Day, Definition of”.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SECTION 904 – NOTICE TO BIDDERS NO. 1453**

**CODE: (SP)**

**DATE: 4/10/2007**

**SUBJECT: Petroleum Products Base Prices For Contracts Let in May, 2007**

**REFERENCE: Subsection 109.07**

The following base prices are to be used for adjustment in compensation due to changes in costs of petroleum products:

FUELS

	<u>Per Gallon</u>	<u>Per Liter</u>
Gasoline	\$2.4848	\$0.6564
Diesel	\$2.7355	\$0.7226

MATERIALS OF CONSTRUCTION

<u>ASPHALT CEMENT</u>	<u>Per Gallon</u>	<u>Per Ton</u>	<u>Per Liter</u>	<u>Per Metric Ton</u>
Viscosity Grade AC-5	\$1.4289	\$339.00	\$0.3775	\$373.68
Viscosity Grade AC-10	\$1.4120	\$335.00	\$0.3730	\$369.27
Viscosity Grade AC-20	\$1.4030	\$332.86	\$0.3706	\$366.91
Viscosity Grade AC-30	\$1.3939	\$330.71	\$0.3682	\$364.54
Grade PG 64-22	\$1.3964	\$331.29	\$0.3689	\$365.18
Grade PG 67-22	\$1.3769	\$326.67	\$0.3637	\$360.09
Grade PG 76-22	\$1.7949	\$425.83	\$0.4742	\$469.39
Grade PG 82-22	\$2.0074	\$476.25	\$0.5303	\$524.97

EMULSIFIED ASPHALTS

Grade EA-4 (SS-1)	\$1.3453	\$0.3554
Grade RS-2C (CRS-2)	\$1.3180	\$0.3482
Grade CRS-2P	\$1.5632	\$0.4130

PRIMES

Grade EA-1 & MC-70	\$1.7511	\$0.4626
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**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SPECIAL PROVISION NO. 907-105-3**

**CODE: (IS)**

**DATE: 02/14/2006**

**SUBJECT: Cooperation By Contractor**

Section 105, Control of Work, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is modified as follows:

**907-105.05--Cooperation by Contractor.** In the third sentence of the second paragraph of Subsection 105.05 on page 35, change “Notice to Proceed” to “Notice of Award”.

Delete the fourth paragraph of Subsection 105.05 on page 35, and substitute the following.

The Contractor shall also designate a responsible person whose primary duty shall be to monitor and maintain the effectiveness of the erosion control plan, including NPDES permit requirements. This responsible person must be a Certified Erosion Control Person certified by an organization approved by the Department. Prior to or at the pre-construction conference, the Contractor shall designate in writing the Certified Erosion Control Person to the Project Engineer. The designated Certified Erosion Control Person shall be assigned to only one (1) project. When special conditions exist, such as two (2) adjoining projects or two (2) projects in close proximity, the Contractor may request in writing that the State Construction Engineer approve the use of one (1) Certified Erosion Control Person for both projects. The Contractor may request in writing that the Engineer authorize a substitute Certified Erosion Control Person to act in the absence of the Certified Erosion Control Person. The substitute Certified Erosion Control Person must also be certified by an organization approved by the Department. A copy of the Certified Erosion Control Person's certification must be included in the Contractor's Protection Plan as outlined in Subsection 907-107.22.1. This in no way modifies the requirements regarding the assignment and availability of the superintendent.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SUPPLEMENT TO SPECIAL PROVISION NO. 907-107-1**

**DATE:** 03/21/2006

**SUBJECT:** Liability Insurance

In the first sentence of the first paragraph of Subsection 907-107.14.2.1 on page 1, change “\$300,000 each occurrence” to “\$500,000 each occurrence”.

## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-107-1

CODE: (IS)

DATE: 05/03/2004

SUBJECT: Liability Insurance

Section 107, Legal Relations and Responsibility to Public, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

**907-107.14.2--Liability Insurance.** Delete in toto Subsection 107.14.2 beginning on page 60 and substitute:

**907-107.14.2.1--General.** The Contractor shall carry Contractor's liability, including subcontractors and contractual, with limits not less than: \$300,000 each occurrence; \$1,000,000 aggregate; automobile liability - \$500,000 combined single limit - each accident; Workers' Compensation and Employers' Liability - Statutory & \$100,000 each accident; \$100,000 each employee; \$500,000 policy limit. Each policy shall be signed or countersigned by a Mississippi Resident Agent of the insurance company.

The Contractor shall have certificates furnished to the Department from the insurance companies providing the required coverage. The certificates shall be on the form furnished by the Department and will show the types and limits of coverage.

**907-107.14.2.2--Railroad Protective.** The following provisions are applicable to all work performed under a contract on, over or under the rights-of-way of each railroad shown on the plans.

The Contractor shall assume all liability for any and all damages to work, employees, servants, equipment and materials caused by railroad traffic.

Prior to starting any work on railroad property, the Contractor shall furnish satisfactory evidence to the Department that insurance of the forms and amounts set out herein in paragraphs (a) and (b) has been obtained. Also, the Contractor shall furnish similar evidence to the Railroad Company that insurance has been obtained in accordance with the Standard Provisions for General Liability Policies and the Railroad Protective Liability Form as published in the Code of Federal Regulations, 23 CFR 646, Subpart A. Evidence to the Railroad Company shall be in the form of a Certificate of Insurance for coverages required in paragraph (b), and the original policy of the Railroad Protective Liability Insurance for coverage required in paragraph (a).

All insurance herein specified shall be carried until the contract is satisfactorily complete as evidenced by a release of maintenance from the Department.

The Railroad Company shall be given at least 30 days notice prior to cancellation of the Railroad Protective Liability Insurance policy.



For work within the limits set out in Subsection 107.18 and this subsection, the Contractor shall provide insurance for bodily injury liability, property damage liability and physical damage to property with coverages and limits no less than shown in paragraphs (a) and (b). Bodily injury shall mean bodily injury, sickness, or disease, including death at anytime resulting therefrom. Property damage shall mean damages because of physical injury to or destruction of property, including loss of use of any property due to such injury or destruction. Physical damage shall mean direct and accidental loss of or damage to rolling stock and their contents, mechanical construction equipment or motive power equipment.

(a) **Railroad Protective Liability Insurance** shall be purchased on behalf of the Railroad Company with limits of \$2,000,000 each occurrence; \$6,000,000 aggregate applying separately to each annual period for lines without passenger trains. If the line carries passenger train(s), railroad protective liability insurance shall be purchased on behalf of the Railroad Company with limits of \$5,000,000 each occurrence; \$10,000,000 aggregate applying separately to each annual period.

Coverage shall be limited to damage suffered by the railroad on account of occurrences arising out of the work of the Contractor on or about the railroad right-of-way, independent of the railroad's general supervision or control, except as noted in paragraph 4 below.

Coverage shall include:

- (1) death of or bodily injury to passengers of the railroad and employees of the railroad not covered by State workmen's compensation laws,
- (2) personal property owned by or in the care, custody or control of the railroads,
- (3) the Contractor, or any of the Contractor's agents or employees who suffer bodily injury or death as a result of acts of the railroad or its agents, regardless of the negligence of the railroads, and
- (4) negligence of only the following classes of railroad employees:
  - (i) any supervisory employee of the railroad at the job site
  - (ii) any employee of the railroad while operating, attached to, or engaged on, work trains or other railroad equipment at the job site which are assigned exclusively to the Contractor, or
  - (iii) any employee of the railroad not within (i) or (ii) above who is specifically loaned or assigned to the work of the Contractor for prevention of accidents or protection or property, the cost of whose services is borne specifically by the Contractor or Governmental authority.

(b) **Regular Contractor's Liability**, including subcontractors, XCU and railroad contractual with limits of \$1,000,000 each occurrence; \$2,000,000 aggregate. **Automobile** with limits of \$1,000,000 combined single limit any one accident; **Workers' Compensation and Employer's Liability** - statutory and \$100,000 each accident; \$100,000 each employee; \$500,000 policy limit. **Excess/Umbrella Liability** \$5,000,000 each occurrence; \$5,000,000 aggregate. All coverage to be issued in the name of the Contractor shall be so written as to furnish protection to the Contractor respecting the Contractor's operations in performing work covered by the contract. Coverage shall include protection from damages arising out of bodily injury or death and damage or destruction of property which may be suffered by persons other than the Contractor's own employees.

In addition, the Contractor shall provide for and on behalf of each subcontractor by means of a separate and individual liability and property damage policy to cover like liability imposed upon the subcontractor as a result of the subcontractor's operations in the same amounts as contained above; or, in the alternative each subcontractor shall provide same.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SPECIAL PROVISION NO. 907-107-2**

**CODE: (IS)**

**DATE: 08/12/2005**

**SUBJECT: Permits, Licenses and Taxes**

Section 107, Legal Relations and Responsibility to Public, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

**907-107.02--Permits, Licenses and Taxes.** Delete in toto Subsection 107.02 on page 49 and substitute the following:

The Contractor or any Subcontractor shall have the duty to determine any and all permits and licenses required and to procure all permits and licenses, pay all charges, fees and taxes and issue all notices necessary and incidental to the due and lawful prosecution of the work. At any time during the life of this contract, the Department may audit the Contractor's or Subcontractor's compliance with the requirements of this section.

The Contractor or any 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., 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 Contractor or any Subcontractor will be subject to one or more audits by the Department during the life of this contract to make certain that all applicable fuel taxes, as outlined in Section 27-55-501, et seq., and any sales and/or use taxes, as outlined in Section 27-67-1, et seq. are being paid in compliance with the law. The Department will notify the Mississippi State Tax Commission of the names and addresses of any Contractors or Subcontractors.

## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-107-3

CODE: (IS)

DATE: 02/14/2006

SUBJECT: Contractor's Protection Plan

Section 107, Legal Relations and Responsibility to Public, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

**907-107.22.1--Contractor's Protection Plan.** After item number 3 in Subsection 107.22.1 on page 65, add the following:

4. A copy of the certification for the Contractor's Certified Erosion Control Person for monitoring and maintaining the effectiveness of the erosion control plan, including NPDES permit requirements.

## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**SPECIAL PROVISION NO. 907-108-11**

**CODE: (IS)**

**DATE: 04/21/2006**

**SUBJECT: Prosecution and Progress**

Section 108, Prosecution and Progress, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

**907-108.01--Subletting of Contract.**

**907-108.01.1--General.** At the end of the last paragraph of Subsection 108.01.1 on page 73, add the following:

The Engineer will have the authority to suspend the work wholly or in part and to withhold payments because of the Contractor's failure to make prompt payment within 15 calendar days as required above, or failure to submit the required OCR-484 Form, Certification of Payments to Subcontractors, which is also designed to comply with prompt payment requirements.

**907-108.02--Notice To Proceed.** Delete the fourth paragraph of Subsection 108.02 on page 75 and substitute the following:

Upon written request from the Contractor and if circumstances permit, the Notice to Proceed may be issued at an earlier date subject to the conditions stated therein. The Contractor shall not be entitled to any monetary damages or extension of contract time for any delay claim or claim of inefficiency occurring between the early issuance Notice To Proceed date and the Notice to Proceed date stated in the contract.

**907-108.06.1.2--Contract Time Assessment.** At the end of the eighth paragraph of Subsection 108.06.1.2 on page 81, add the following:

When the approved progress schedule indicates that a controlling phase(s) is to be completed prior to December 1 and the physical features of the phase(s) have not been satisfactorily completed, beginning on December 1 the miscellaneous phase will be shown as the only active phase during the months of December, January, and February. Under this condition, time units, monthly time units divided by monthly calendar days, will be assessed in accordance with the applicable column in the TABLE OF TIME UNITS. If the physical features of the phase(s) have not been completed by March 1, the phase will resume as a controlling phase and time assessment will be made accordingly.

Delete the fourth and fifth sentence of the thirteenth paragraph of Subsection 108.06.1.2 on page 82, and substitute the following:

In the event mutual agreement cannot be reached, the Contractor will be allowed a maximum of 25 calendar days following the Contractor's receipt of the monthly report in question to file a protest Notice of Claim in accordance with the provisions of Subsection 105.17. Otherwise, the Engineer's assessment shall be final unless mathematical errors of assessment are subsequently found to exist.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SUPPLEMENT TO SPECIAL PROVISION NO. 907-109-3**

**DATE:** 11/21/2006

**SUBJECT:** Changes in Material Costs

After the last paragraph of Subsection 907-109.06.1 on page 1, add the following:

**907-109.07--Changes in Material Costs.** Delete the second sentence of the first paragraph of Subsection 109.07 on page 95, and substitute the following:

When a pay item on the bid sheets indicate that an adjustment is allowed and when a notice to bidders is included in the contract showing current monthly base prices, an adjustment will be provided as follows:

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SPECIAL PROVISION NO. 907-109-3**

**CODE: (IS)**

**DATE: 04/06/2006**

**SUBJECT: Partial Payment**

Section 109, Measurement and Payment, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

**907-109.04--Extra and Force Account Work.** Delete the first sentence of the second paragraph of Subsection 109.04 under (d) on page 92 and substitute the following:

In the event an agreement cannot be reached for a particular piece of equipment, the book entitled "Rental Rate Blue Book For Construction Equipment" as published by EquipmentWatch® and is current at the time the force account work is authorized will be used to determine equipment ownership and operating expense rates.

**907-109.06--Partial Payment.**

**907-109.06.1--General.** In the fourth sentence of the third paragraph of Subsection 109.06.1 on page 94, change "15 calendar days" to "25 calendar Days".



# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-230-4

CODE: (SP)

DATE: 09/19/2005

SUBJECT: Tree and Shrub Planting

Section 230, Tree and Shrub Planting, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

**907-230.2--Materials.** Delete Subsection 230.02.14 on page 165 and substitute the following:

**907-230.02.14--Mulch.** Tree Bark Mulch shall meet the requirements of Subsection 907-233.02.

**907-230.02.15--Bed Edging.** Bed edging shall be steel edging, 3/16-inch by 4-inch in size, green in color with steel stakes, manufactured by Ryerson, Gardener's Supply Company, Sureloc Edging, or approved equal.

**907-230.03--Construction Requirements.**

**907-230.03.7--Planting, Backfilling, and Watering.** After the first paragraph of Subsection 230.03.7 on page 166, add the following:

Plant pits are plant bed areas which are bound all around by bed edging and/or paving, or as noted on the drawings. Bed preparation shall be required within plant pits, which shall consist of stripping the proposed bed area of existing grass or plant material, unless designated to remain; removal and disposal of existing soil in order that finished grade of bed, not including surface mulch, is no higher than surrounding grades/pavement edges unless noted otherwise on the drawings; spreading a 4-inch layer of Tree Bark Mulch, Type III throughout the area, and tilling in the Tree Bark Mulch, Type III to a depth of six inches uniformly throughout the area; and excavating plant holes in accordance with this special provision. The entire bed area shall receive Tree Bark Mulch, Type V as a surface mulch.

Within plant pits, additional Tree Bark Mulch, Type III for each tree, shrub and groundcover plant hole is not necessary beyond the uniform layer of application tilled into the soil as noted on the vegetation schedule. Within each tree and shrub plant hole within a plant pit, backfill with a 50/50 mix of existing soil amended with Type III mulch and topsoil. Groundcover plant holes do not require any other backfill material other than the amended existing soil with Type III mulch incorporated.

Backfill for tree and shrub plant holes outside of plant pits shall be a 50/50 mix of existing soil and topsoil, after applying the 4-inch layer of Tree Bark Mulch, Type III.

**907-230.04--Method of Measurement:** Delete the last five paragraphs of Subsection 230.04 on pages 169 & 170 regarding the sequence for measurement of payment and substitute the following:

Measurement for payment will be made in the following sequence:

When plants have been planted and are in a healthy condition in accordance with the contract, seventy-five percent (75%) of the bid price for that species of plant material meeting the requirements of the contract will be allowed.

When the inspection of plants at the end of the growing season has been conducted and the replacement of any dead or unsatisfactory plant material has been made, ninety percent (90%) of the bid price for that species of plant material meeting the requirements of the contract will be allowed.

When the final inspection of the project has been conducted and the replacement of any dead or unsatisfactory plant material has been made, and upon final release of maintenance, one-hundred percent (100%) of the bid price will be allowed for plant material meeting the requirements of the contract.

The Plant Establishment Period shall begin upon the date that the Engineer determines plant material installation has been acceptably completed, including staking/ guying and mulching, and continues through the dates noted below:

**PLANT ESTABLISHMENT PERIOD**

Date of Installation Completion, From and Including	Establishment Period Beyond Installation Completion, (Growing Season) To and Including
August 2 <sup>nd</sup> - November 1 <sup>st</sup>	240 calendar days
November 2 <sup>nd</sup> - January 1 <sup>st</sup>	180 calendar days
January 2 <sup>nd</sup> - May 1 <sup>st</sup>	120 calendar days
May 2 <sup>nd</sup> - August 1 <sup>st</sup>	90 calendar days

Where feasible in the opinion of the Engineer, the Contractor may install plant material well in advance of project completion, in order that the Plant Establishment Period may run concurrent with the Contract Time. However, no matter what date the Plant Establishment Period conclude, the Contractor will be required to maintain healthy plants until final inspection of the entire project.

No contract time or liquidated damages will be charged during the plant establishment period if, and only if, all items of work on the project have been completed.

Bed edging, complete in place and accepted, will be measured per linear foot. Excavation, backfilling, and miscellaneous fittings will not be measured for separate payment.

Bed preparation within plant pits, complete in place and accepted, will be measured per square foot. Stripping of existing vegetation, excavation of existing soil, providing and incorporating the designated layer of Tree Bark Mulch Type III, Tree Bark Mulch Type V as a surface mulch, and weeding will not be measured for separate payment.

Tree Bark Mulch will be measured for payment in accordance with Subsection 907-233.04.

**907-230.05--Basis of Payment.** After the first paragraph of Subsection 230.05 on page 170, add the following:

Accepted quantities for bed edging and bed preparation will be paid for at the contract unit price per linear foot and square foot, respectively. Prices paid shall be full compensation for completing the work.

Add the "907" prefix to the pay items numbers listed on page 170.

After the last pay item listed on page 170, add the following:

- 907-230-C: Bed Edging - per linear foot
- 907-230-D: Bed Preparation - per square foot

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-258-6

CODE: (SP)

DATE: 12/21/2006

SUBJECT: Miscellaneous Rest Area Facilities

PROJECT: LWO-6017-18(003) / 501632301 -- Forrest County

Section 907-258, Miscellaneous Rest Area Facilities, is hereby added to and made a part of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction.

## **SECTION 907-258 -- MISCELLANEOUS REST AREA FACILITIES**

**907-258.01--Description.** This item shall consist of constructing and installing concrete picnic tables and benches, wooden picnic tables and benches, charcoal grills, drinking fountains, trash receptacles, water hydrants, sewage dump station, sign (masonry and stone), and cast stone benches, each complete in place, in accordance with these Specifications and in reasonably close conformity with the locations, lines, grades, configurations, dimensions and other requirements shown on the plans or established.

**907-258.02--Materials.** Unless otherwise stipulated, the materials used in this construction, in addition to the general requirements of these Specifications and the plans shall conform to the provisions and requirements prescribed in the sections of the Standard Specifications for the several items which constitute the complete structure.

All items will require approval by the Engineer from the manufacturer. The Contractor Shall submit eight copies of brochures or shop drawings for approval prior to ordering manufactured items. Other items may require testing as directed by the Engineer.

A. **Charcoal Grill.** Charcoal Grill shall be the Model 200-X Rotating Grill with post as manufactured by Iron Mountain Forge, Dumor Site Furnishings, PW Athletic Manufacturing Co., or approved equal. Post shall be set within a Class C concrete footing, size as recommended by manufacturer.

B. **Drinking Fountain.**

1. **Waste Pipe.** Waste pipe shall be of the size and type as shown on the plans and shall be standard PVC drain waste and vent piping.
2. **Drain Pipe.** Drain pipe shall be the size shown on the plans and shall conform to or exceed Commercial Standard CS 272-65 or CS 272.65.
3. **Drinking Fountain.** The drinking fountain shall be designed similar to the details shown on the plans, freeze-proof, and conforming to approved Handicapped Standards by the Engineer.

4. Concrete. Concrete, unless otherwise specified, shall be paid for as sidewalk, and have an approved exposed aggregate finish to match the finish on the adjacent sidewalk.
5. Valves (Stop and Drain). The cut-off valve shall be a standard brass stop and drain cut-off valve of the proper size and type as shown on the plans.

C. Concrete Picnic Table and Benches.

1. Concrete. Concrete for table top, seat top, and end supports shall be Class "A" Concrete. Concrete for table slabs will be paid for as concrete sidewalks - Pay Item No. 608-B.
2. Reinforcing Steel. Reinforcing steel shall conform to Section 711.
3. Paint for Table top and Seats. Paint or coating for table top and seats shall be an approved chlorinated rubber paint conforming to or exceeding Federal Specifications Number TT-P-91-D.

D. Wooden Picnic Tables and Benches. Wooden Picnic Tables shall be the model number 238-6GT, six feet long with galvanized pipe frame and treated wood top and seats, as manufactured by Iron Mountain Forge, Dumor Site Furnishings, PW Athletic Manufacturing Co., or approved equal.

Picnic tables shall be secured to the concrete with lead shields, anchors, or other means as approved by the Engineer.

E. Trash Receptacle.

1. Trash Receptacle. The trash receptacle shall be the Aspen Series R-38 Standard with hinged top, leveling devices, rigid plastic liner, and hardware to secure the receptacle to the sidewalk, Empire Green in color with desert brown stone panels, model #R-38HT-202, as manufactured by United Receptacle, Inc., Barco, UpBeat Incorporated, or approved equal.
2. Concrete. Concrete, unless otherwise specified, shall be paid for as sidewalk, and have a finish to match the finish on the adjacent sidewalk.

F. Water Hydrant.

1. Water Hydrant. Steel body, self-closing, anti-freezing hydrant with heavy stainless operating springs, with  $\frac{3}{4}$  inch supply as the model M-175 hydrant as manufactured by Murdock, The Kupferle Foundry Company, Most Dependable Fountains, or approved equal. Color shall be black.
2. Concrete. Concrete, unless otherwise specified, shall be paid for as sidewalk and have an approved exposed aggregate finish to match the finish on the sidewalk.

3. Valves (Stop and Drain). The cut-off valve shall be standard brass stop and drain cut-off valve of the proper size and type as shown on the plans.

G. Travel Trailer Sewage Dump Station (Modifications).

1. Sewage Dump Station. The sewage dump station shall be constructed similar to the details shown on the plans, with Schedule 40 galvanized steel pipe and fittings complete with vacuum breaker, and hose, in accordance with the plan details, and State Health Department minimum standards.
2. Concrete. Concrete unless otherwise specified shall be Class "B" conforming to Section 804 of the Standard Specifications and have an approved trowel finish.
3. Stand Pipe. Water stand pipe shall be standard galvanized Schedule 40 of the size shown on the plans.
4. Vent Pipe. Vent pipe shall be standard galvanized Schedule 40 of the size shown on the plans.
5. Signs. The signs shall be designed as shown on the details on the plans, constructed of 0.080 aluminum or 14 Ga. galvanized steel. The signs shall be manufactured by an approved sign company. The Contractor shall submit shop drawings.

H. Cast Stone Bench. Cast stone benches shall be constructed from the same material or an approved equal material as concrete picnic tables and benches.

I. Sign (Masonry and Stone).

1. Brick and Mortar. Brick and mortar shall be produced by the same manufacturer(s), and be the same type and kind, including bullnose and watertable units, and shall match the existing brick used on the Welcome Center Building, or approved equal.
2. Concrete Masonry Units. The concrete masonry units shall be hollow non-load bearing, light-weight aggregate, concrete masonry units conforming to ASTM Designation: C331-64T. Units shall be normal modular size for typical 3/8 inch mortar joint.
3. Concrete. Concrete, unless otherwise specified, shall be Class "B" conforming to Section 804 of the Standard Specifications.
4. Reinforcing Steel. Reinforcing steel shall conform to Section 711.
5. Precast Architectural Panel.

a. General:

Cement: Portland Cement shall conform to ASTM Designation: C-150, Type I or III.

Fine and coarse aggregate: Fine and coarse aggregate shall conform to ASTM Designation: C-33. Variations from aggregate gradations are permissible for the facing mix.

Reinforcement shall conform to ASTM Designation: C-185 for welded wire fabric.

Hot-dip galvanizing shall conform to ASTM Designation: A-153

Anchoring devices, inserts, etc., shall be either galvanized or corrosion resistant types approved by the Architect and as detailed on the drawings.

- b. Textures and Finishes. Precast architectural concrete shall be honed finish, lightly textured, approximating finish of limestone, with color as selected by the Engineer.
- c. Fabrication. Precast architectural concrete shall be sufficiently reinforced to withstand conditions on the sign, including handling and erection stresses. Deformed bars with one inch (1") or less clearance to an exterior face shall be galvanized.

Units shall be fabricated straight, smooth, and true to size and shape, with exposed edges and corners precise and square unless otherwise indicated.

Reglets, slots, holes, and other accessories shall be provided in units to receive cramps, dowels, reglets, waterstops, flashings, and other similar work as indicated.

Arises, inscriptions and details shall be faithfully executed to the Engineer's design.

Each precast item shall be marked to correspond to identification mark on shop drawings.

Location of anchors, inserts and blockouts shall be  $\pm 3/8$  inch from center line of location shown on drawings.

Rust-inhibitive coating shall be applied on damaged areas at welded connections, same as shop-applied material. Galvanizing repair coating shall be used on galvanized surfaces.

- d. Mixes. Standard 6-inch by 12-inch cylinder strength of precast concrete shall not be less than 5,000 psi at 28 days when tested in accordance with ASTM Designation: C-39.

Absorption shall not be less than three percent (3%) and not more than seven percent (7%) when tested in accordance with ASTM Designation: C-97.

Minimum thickness of facing mix shall be 1 1/2 inches thick.. Backup concrete may be made with grey cement and aggregates conforming to requirements for cast-in-place concrete.

e. Joint Material. Joint material shall be as recommended by the precast architectural concrete manufacturer, and as approved by the Engineer.

6. Letters and Symbols. Letters, including custom letters, and symbols shall be brass, in the shapes and sizes noted on the drawings, as manufactured by Metal Arts, A. R. K. Ramos, Matthews, or approved equal.

The Engineer will provide camera ready art work of the symbols and custom letters to the Contractor for the manufacturer.

Method(s) of attaching letters and symbols to precast architectural concrete panel shall be approved by the Engineer.

J. Metal Bench. Garden – Style all – steel bench, six feet long, color – green, as Bench 118 series as manufactured by DuMor, Inc., Victor Stanley, Inc., Columbia Cascade Co., or approved equal.

Metal Bench shall be secured to pavement. Method of securing shall be reviewed with and approved by the Engineer.

K. Bollard. Pipe shall be schedule 40 steel pipe, in the size as noted on the drawings. Finial shall be the Linn Park Ball Finial, as manufactured by Robinson Iron, Tennessee Fabricating Company, Reliance Foundry Co., Ltd., or approved equal. Pipe and finial shall be painted with 1 shop coat of a rust inhibitive primer and 2 field coats of an oil base exterior paint, color selected by the Engineer. Class B concrete required for pipe infill.

L. Pavilion:

1. Masonry Components, Concrete, and Cast Stone. Masonry components, concrete, and cast stone shall conform to the specifications described in Sign (Masonry and Stone), above.

2. Steel. Steel shall be provided in the shapes, sizes, and fabricated as noted on the drawings.

Steel shall receive the following paints/ coatings, all as manufactured by Tnemec Company, Inc., Sherwin Williams, ICI, or approved equal, and applied in strict accordance with the manufacturer’s written instructions.

First Shop Coat (primer)	90-97 Tneme Zinc	2.5 – 3.5 Mils Dry Film Thickness
Field Spot Primer (if necessary)	90-97 Tneme Zinc	2.5 – 3.5 Mils Dry Film Thickness
Second Field Coat	74 Endura-Shield*	2.0 – 2.5 Mils Dry Film Thickness
Third Field Coat	74 Endura-Shield*	2.0 – 2.5 Mils Dry Film Thickness

\*Color of second and third field coat shall be selected by the Engineer.



3. Metal Roof. Copper roofing sheet, 16 ounce per square foot, with 1-1/2 inch standing seam "S" lock located 16 inches on center. Contractor shall design fabrication and fastening of the system for an I-60 wind uplift rating, using the purlins as noted on the drawings.

Product data for materials, and fastening devices as well as shop drawings noting assembly and finished product appearance shall be submitted for review and approval of the Engineer. Minimum of 5 copies of each required.

Roof panel system shall be guaranteed by the manufacturer for a period of 5 years.

4. Display Panel. The display panel shall be an exterior rated panel, with a top hinged impact resistant acrylic cover, cylinder lock and gas cylinder cover supports; baked on enamel finish, metal back with magnetic back (interior); for wall mounting, in a 40 inch high by 60 inch wide size, as the Modulex Wide Profile as manufactured by ASI Sign Systems, Matthews International Corp., Mohawk Sign Systems, Inc., or approved equal.

Color of panel shall be selected by the Engineer.

Mounting of panel to metal work shall be reviewed with and approved by the Engineer.

M. Survey Monument.

1. Masonry Components and Concrete. Masonry components and concrete shall conform to the specifications described in Sign (Masonry and Stone), above.
2. Granite. Polished (finish) granite veneer, in the thickness as noted on the drawings. Color shall be selected by the Project Engineer. Method of attachment to masonry and devices for attachment shall be reviewed with and approved by the Engineer.

- N. Car Stop. Car stops shall be six (6) foot long concrete curb (car) stops as manufactured by Jackson Ready Mix Company, Jackson, MS, or approved equal. Curb stops shall be secured to pavement with No. 3 reinforcing bars, 24 inches long.

**907-258.03--Construction Requirements.** The method of construction, unless otherwise stipulated, shall conform to the provisions and requirements where applicable, prescribed in the standard specifications with the additions shown hereafter. All work shall be performed in a good workmanlike manner, to the satisfaction of the Engineer.

- A. Charcoal Grill. The charcoal grill with concrete footing shall be installed in accordance with the manufacturer's written instructions in the locations as noted on the plans.
- B. Drinking Fountain. The drinking fountain shall be installed by skilled plumbers, concrete finishers, and workmen in an approved manner to the satisfaction of the Engineer, to the dimensions and details shown on the plans, or approved by the Engineer.

The fountain drain shall be located to drain to the existing drain field or an approved ditch as directed by the Engineer.

The concrete base shall be constructed as shown on the plans or as directed by the Engineer. The concrete will be paid for under separate pay item for that class of concrete.

- C. Concrete Picnic Tables and Benches. Concrete picnic tables and benches shall be constructed to the detailed dimensions shown on the plans. The handling and placing of concrete shall conform to Subsection 804.10. The top and edge surfaces of the table and benches shall receive a slick smooth finish.

The concrete shall be free of honeycomb and air pockets and in no case have a slump greater than one and one-half inches.

The ground under the slab shall be graded or shaped and compacted when necessary to insure a smooth, firm foundation for the slab. The ground adjacent to the slab shall be sloped to drain away from the slab in a manner so as to preserve the natural shape of the terrain as close as possible.

The concrete slab shall be poured around the table and benches in place and correctly aligned. Care shall be taken to place the expansion joint material around the top and bench supports as shown on the plans in a neat, secure manner. The slab shall be sloped to drain and receive an approved exposed aggregate finish to match the finish on the sidewalk.

The placing and fastening of reinforcement shall conform to Subsection 805.05.

The table shall be located as shown on the plans and as directed by the Engineer.

- D. Wooden Picnic Tables and Metal Benches. Wooden picnic tables and metal benches shall be located and secured in an approved manner as shown on the plans and as directed by the Engineer.
- E. Trash Receptacle. The trash receptacle shall be installed on and secured to a square concrete pad four inches thick, with outside dimensions six inches greater than the width of the trash receptacle, in locations designated by the Engineer.

The excavation when required to place the trash receptacle into the ground shall be disposed of as directed by the Engineer.

The concrete shall be placed and finished to match the adjacent sidewalk. On locations adjacent to existing sidewalks, top of concrete pad for the receptacle shall meet flush with existing walk. Slope elevation of pads no more than 1/8 inch per foot in order that water will not stand.

The method to secure the trash receptacle to the concrete pad shall be submitted to the Engineer for approval.

- F. Water Hydrant. The water hydrant shall be installed in accordance with the manufacturer's written instructions and the plans.
- G. Travel Trailer Sewage Dump Station. The travel trailer sewage dump station shall be constructed by skilled plumbers, concrete finishers, and workmen in an approved manner to the satisfaction of the Engineer, to the details and dimensions shown on the plans.
- H. Cast Stone Bench. The cast stone benches shall be a similar design and size as shown on the plans. Brochures or shop drawings shall be submitted.

The benches shall be secured to the sidewalk or bench pad in an approved manner with epoxy cement or other approved cement, to the satisfaction of the Engineer.

- I. Sign (Masonry and Stone), Pavilion, and Survey Monument. The excavation required to place the sign and survey monument into the ground shall be disposed of as directed by the Engineer.

The concrete base shall be constructed as shown on the plans or as directed by the Engineer. The placing and fastening of reinforcement shall conform to Subsection 805.05.

Concrete Masonry Unit and Brick construction shall be in accordance with Section 611, and to the satisfaction of the Engineer.

Precast architectural concrete panels shall be set straight, plumb, level, and square. Exposed facings shall be cleaned to remove dirt and stains which may be on the units after erection and completion of joint treatments. Panels shall be wash and rinse in accordance with precast manufacturer's recommendations. Other work shall be protected from damage due to cleaning operations. Do not use cleaning materials or processes which could change the character of exposed concrete finishes.

Letters and symbols shall be attached in accordance with the drawings, approved shop drawings, and to the satisfaction of the Engineer.

Construct pavilion and survey monument straight, plumb, level, and square, in accordance with the drawings and to the satisfaction of the Engineer. Grind welds smooth prior to painting/ coatings application.

- J. Metal Bench. Metal bench shall be located where noted on the plans. Metal bench shall be secured to pavement as approved by the Engineer.
- K. Bollard. Bollards shall be constructed plumb and in accordance with the drawings to the satisfaction of the Engineer. Welds shall be ground smooth prior to painting/ coatings application.
- N. Car Stop. Drive reinforcing bars through holes in car stop and through new asphalt pavement. Top of reinforcing bar shall be driven to a point 1/4 inch below the top of the car stop.

**907-258.04--Method of Measurement.** Miscellaneous Rest Area Facilities, constructed and complete in accordance with the requirements of the contract, and accepted, will be measured by the unit quantity per each unit.

A unit of concrete picnic tables and benches shall consist of one table, two benches, the concrete slab shall be as indicated on the plans.

A unit of wooden picnic tables shall consist of one table with benches, and the devices to secure the table when required.

A unit of charcoal grill shall consist of the grill complete with steel post and concrete footing.

A unit of drinking fountain shall consist of all concrete, steel, masonry elements, piping, plumbing elements, and drains as shown on the plans.

A unit of trash receptacle shall consist of the receptacle, complete, with leveling devices and approved devices to secure the trash receptacle to the pavement.

A unit of water hydrant shall consist of the hydrant complete with connection to water supply, piping, cut off valve, drain and drain line (where shown), and concrete footing, located where shown on the plans and installed in accordance with manufacturer's directions.

A unit of travel trailer sewage dump station shall consist of one tower, one drain, signs and concrete as shown in the plan details.

A unit of cast stone bench shall consist of one bench seat and three bench supports.

A unit of sign (masonry and stone) shall consist of all concrete, steel, masonry elements, letters, as symbols shown on the plans.

A unit of bollard shall consist of steel pipe with finial, and concrete for footing and infill, as shown on the plans.

A unit of metal benches shall consist of one bench, and the devices to secure the bench when required.

A unit of pavilion and survey monument shall consist of concrete (not including sidewalk), steel (painted), metal roof, masonry elements, granite, re-location of survey monument, and display panel as applicable and as shown on the plans.

Separate measurement for excavation and other individual items will not be made, it being understood that the cost thereof is included in one contract price bid per complete items.

**907-258.05--Basis of Payment.** Charcoal grills, drinking fountains, concrete picnic tables and benches, wooden picnic tables and benches, trash receptacles, water hydrants, travel trailer sewage dump station, sign (masonry and stone), pavilion, survey monument, and cast stone

benches, each unit shall be paid for at the contract unit price bid per each, which price shall be full compensation for furnishing all materials and supplies; for performing all work necessary for each completed unit; and for all equipment, tools, labor and incidentals necessary to complete the work.

Payment will be made under:

907-258-A: Charcoal Grill	- per each
907-258-B: Drinking Fountain	- per each
907-258-C: Concrete Picnic Table and Benches	- per each
907-258-D: Wooden Picnic Table and Benches	- per each
907-258-E: Trash Receptacle	- per each
907-258-F: Water Hydrant	- per each
907-258-G: Travel Trailer Sewage Dump Station	- per each
907-258-H: Cast Stone Bench	- per each
907-258-I: Sign, Masonry and Stone	- per each
907-258-J: Metal Bench	- per each
907-258-K: Bollard	- per each
907-258-L: Pavilion	- per each
907-258-M: Survey Monument	- per each
907-258-N: Car Stop	- per each

## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**SPECIAL PROVISION NO. 907-259-5**

**CODE: (SP)**

**DATE: 10/12/06**

**SUBJECT: Site Amenities**

**PROJECT: LWO-6017-18(003) / 501632301 -- Forrest County**

Section 907-259, Site Amenities, is hereby added to and made a part of the Standard Specifications for Road and Bridge Construction, 2004 Edition.

### **SECTION 907-259 -- SITE AMENITIES**

**907-259.01--Description.** This item shall consist of installing unlighted and lighted bollards, flag pole lights, sign lights and column uplights, each complete in place, in accordance with these Specifications and in reasonably close conformity with the locations, lines, grades, configurations, dimensions and other requirements shown on the plans or established.

#### **907-259.02--Materials.**

A. **General.** Unless otherwise stipulated, the materials used in this construction, in addition to the general requirements of these specifications and the plans, shall conform to the provisions and requirements prescribed in the sections of the Standard Specifications for the several items which constitute the complete structure.

All items will require approval by the Engineer from the manufacturer. Submit six (6) copies of brochures or shop drawings for approval prior to ordering manufactured items. Other items may require testing as directed by the Engineer.

B. **Lighted Bollards:** Bollards shall be Charleston Model Number BOL/CH44/12/DT/L-CA/DB/S100/208-PEC2-DBB, , as manufactured by Holophane or other accepted models by Gardco, Greenlee or approved equal.

C. **Flag Pole Lights:** Flag pole lights shall be Model Number DF7-SP(W/ST) – HFL 250 HPS-208-BRP as manufactured by GARDCO or other accepted models models by Kim, Greenlee or approved equal.

D. **Sign Lights:** Sign lights shall be Model Number DF7-SP(W/ST) – HFL-175-208-BRP as manufactured by GARDCO or other accepted models by Kim, Greenlee or approved equal.

- E. Fluorescent Light @ Kiosk: Fluorescent lights (2' x 4' -2 lamp) shall be Model Number SWN 232 120 1/2 LT as manufactured by Day-Brite or other accepted models by Lithonia, Cooper or approved equal.
- F. Weatherproof GFCI Receptacles: Weatherproof GFCI receptacle shall be commercial specification grade 20A 125V GFCI receptacle(s) as manufactured by Hubbell or other accepted models by Pass & Seymour, Leviton or approved equal. Color shall be black and verified with Project Engineer.
- G. Column Uplights: Column lights shall be Model Number LTV10 NF 70MH208/RG10/GM10 as manufactured by KIM or other accepted models by Gardco, Greenlee or approved equal.

**907-259.03--Construction Requirements.** The Contractor shall provide and install site amenities in accordance with the drawings, special provisions, and the standard specifications. All work shall be performed in a good workmanlike manner, to the satisfaction of the Engineer.

**907-259.04--Method of Measurement.** Site Amenities of the type specified, constructed and complete in accordance with the requirements of the contract, and accepted, will be measured by the unit quantity per each.

**907-259.05--Basis of Payment.** Uplighted bollards, lighted bollards, flag pole lights, sign lights and column lights shall be paid for at the contract unit price bid per each, which price shall be full compensation for furnishing all materials and supplies; for performing all work necessary for each completed unit; and for all equipment, tools, labor and incidentals necessary to complete the work.

Payment will be made under:

- 907-259-B: Lighted Bollard - per each
- 907-259-C: Flag Pole Lights - per each
- 907-259-D: Sign Lights - per each
- 907-259-E: Lighting Assembly, Kiosk - per each
- 907-259-F: Weatherproof GFCI Receptacle - per each
- 907-259-G: Lighting Assembly, Column Uplights - per each

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-282-3

CODE: (SP)

DATE: 08/02/05

SUBJECT: Irrigation System

Section 907-282, Irrigation System, is hereby added to and made a part of the 2004 Edition of the Standard Specifications for Road and Bridge Construction as follows.

## **SECTION 907-282 -- IRRIGATION SYSTEM**

**907-282.01--Description.** Lawn and shrub bed irrigation systems shall be constructed to the grades and conforming to the areas and locations shown on the plans.

Irrigation lines shown on the plans are essentially diagrammatic. Specific locations of equipment shall be established by the Contractor at the time of construction. Exceed spacing of heads as shown on the plans only with the permission of the Engineer.

**907-282.01.1--Irrigation Operations.** Irrigation operations shall be performed by a firm having a minimum of two consecutive years experience in this area of work and having installed other jobs of similar size and scope. Contractor shall provide a minimum of three references and a list of similar projects with the Client's names, addresses, and telephone numbers, when requested by the Engineer.

**907-282.01.2--Field Investigations:** The Contractor shall visit the job site and become familiar with the nature and location of the work, existing conditions, and other conditions that will be obligated to operate in the performance of the work.

**907-282.01.3--Substitutions and Submittals.** Substitutions shall be made only with the written approval of the Engineer. Substitutions will not be considered prior to opening of bids. Substitution of an irrigation head shall be accompanied by a Contractor prepared piping diagram noting pipe sizes, pressure loss calculations, and head locations necessary to achieve the desired watering provided by the system as designed.

The Contractor shall submit seven copies of manufacturer's product data of materials specified herein for review and approval by the Engineer.

**907-282.01.4--Department's Instruction and Maintenance Data.** General: The Contractor shall furnish the following instructions and maintenance data. Final Acceptance will not be made until the Work has been reviewed and approved by the Engineer.

- 1) As-built plans: Two sets, noting exact locations of elements and changes to the plans in red.



- 2) Operation Manual: Two copies, bound in 1-inch diameter three ring binders, indexed and tabbed for easy reference, and labeled on spine and cover. Manual to include:
  - A. Approved submittals,
  - B. Installation instructions, including mounting details for control valves.
  - C. Operating Instructions, including winterization procedures, recommended operation sequence, frequency, and length of operation cycle, as per relationship to estimated absorption rate, evaporation rate and anticipated GPM.
  - D. Maintenance Instructions: Items requiring manufacturer's product data and installation instructions. Complete warranty information, mail to manufacturer, and provide copies to the Department.
  
- 3) Extra Stock: In addition to the installed system, provide one sprinkler head of each size and type, one valve key (per valve) for operating manual valves, one key per valve box, two wrenches for each type of head cover, and two wrenches for removing and installing each type of head.

**907-282.02--Materials.**

**907-282.02.1--General:** Materials shall be new and without flaws or defects, and of quality and performance as specified. Overages at completion are property of the Contractor, and are to be removed from the site.

Materials and equipment specified by "Proprietary Specification" as manufactured by a particular company, etc., shall be for the express purpose of establishing minimum acceptable performance requirements. Acceptable manufacturers shall include:

- A. The Toro Company - Irrigation Division
- B. Rain Bird Sales, Inc. - Turf Division
- C. Hunter Irrigation

The provision of providing other acceptable manufacturer's as potential substitutions shall not disregard the requirements of paragraph Subsection 907-282.01.3.

**907-282.02.2--Delivery and Storage.** Damaged materials will not be accepted. Any packaged materials shall be delivered to the site in the original, unopened containers. Materials delivered to site prior to actual usage shall be stored in a place not to interfere with other trades or construction operations and protected from damage by weather or other elements as needed.

**907-282.02.3--Pipe and Pipe Fittings.**

**907-282.02.3.1--Plastic Piping.** Plastic pipe shall be Class 160 SDR 26 - ASTM D2241 Polyvinyl Chloride (PVC) pipe NSF approved. Pipe up to and including 2½ inches in diameter shall have bell and socket joints. Pipe greater than 2½ inches in diameter shall have snap connections with rubber gasket joints.

**907-282.02.3.2--Sleeves.** Sleeves shall be of the size noted on the plans, and shall be schedule 40 PVC pipe.

**907-282.02.3.3--Plastic Fittings and Risers.** Plastic fitting and risers shall be Schedule 40 or Schedule 80 PVC. Risers above finished grade shall receive two coats of black exterior semi-gloss enamel paint.

**907-282.02.3.4--PVC Solvent Cement.** PVC solvent cement shall meet the requirements of ASTM Designation: D 2564.

**907-282.02.3.5--Polyethylene Pipe and Fittings.** Polyethylene pipe and fittings shall be installed between supply lines and heads. Thick wall, flexible, polyethylene pipe, with fittings that have male barbs on one end and either male or female screw ends opposite shall be used. Glue fittings and female barb adapters shall not be allowed. Pipe and fittings shall be Toro Funny Pipe and Fittings as manufactured by Toro-Irrigation Division, Riverside, California, or approved equal.

**907-282.02.4--Valves.**

**907-282.02.4.1--Electric Control Valves.** Electric control valves shall be as delineated on the drawings, or approved equal.

Water-tight connectors shall be Scotch Lock connectors with sealant for wiring connections at electric valves as manufactured by 3M – Scotch Brand, Rain Bird Sales, Inc.- Turf Division, King Innovation Company, or approved equal.

Valve box for electric valves shall be the 12-inch Standard Box with snap lock cover as manufactured by Armor Access Boxes, Rain Bird Sales, Inc.- Turf Division, Carson Industries, or approved equal.

**907-282.02.4.2--Quick Couplers.** Quick couplers, each with Key and Hose Swivel, shall be the 44 Series Coupler and Coupler Key, and SH series swivel hose connector, as manufactured by Rain Bird Sprinkler Mfg. Corp., Glendora, CA., or approved equal.

Quick couplers shall be installed inside a valve box as noted on the plans.

**907-282.02.4.3--Isolation Valves.** Gate valves shall be manufactured in accordance with AWWA C500 and shall have a rated water working pressure of 200 PSI. Gate valves shall be iron body, bronze mounted, double disc, parallel seat, non-rising stem type. Each valve shall have “O” ring type stem seal, standard 2-inch AWWA square operating nut, and shall be opened by COUNTER-CLOCKWISE stem rotation. Except where otherwise specified, indicated, or required for the application involved, gate valves ends shall be AWWA Specification C111 mechanical joint type, with plain rubber gaskets. Gate valves shall be as manufactured by Waterous Company, Clow, Mueller, or approved equal.

One (1) key for every three valves installed shall be provided.

With each valve, install a valve box which shall be standard cast iron two-piece 5¼-inch inside shaft diameter screw adjustable type, consisting of a cover marked "WATER", and upper telescoping section, and a lower section. Where necessary to provide extra depth, provide cast iron extension pieces as required.

**907-282.02.5--Sprinkler Heads.** Sprinkler heads shall be as delineated on the drawings, or approved equal.

**907-282.02.6--Control Wire.** Control Wire and common wire shall be a minimum AWG 14 size, copper wire suitable for direct burial.

**907-282.02.7--Low Point Drains.** Low-point drains shall be an Automatic Valve model number 290-02 as manufactured by Toro-Irrigation Division, or approved equal. The Contractor shall provide two drains at the lowest points of each zone, with each atop an 8-inch by 8-inch by 8-inch area of coarse gravel.

**907-282.02.8--Automatic Controller.** Automatic controllers shall be as delineated on the drawings, or approved equal. With each controller, the Contractor shall provide one Automatic Rain/ Freeze Switch, the Rain/Freeze-Clik, as manufactured by Hunter Irrigation, or approved equal..

**907-282.02.9--Backflow Preventer.** The backflow preventer shall be as manufactured by Watts, Orbit Irrigation Products, Inc, Febco, or approved equal. With each backflow preventer, the Contractor shall provide one above ground enclosure as specified on the drawings, or an approved equal.

**907-282.03--Construction Requirements.**

**907-282.03.1--Pressure/ Flow Test.** Immediately after installation of meters, and before installing pipe, the Contractor shall test and provide written results to the Engineer of the static pressure, dynamic pressure, and gallons per minute. Tests shall be performed at the beginning tap or meter and note as such on the written results.

The Contractor shall receive approval from the Engineer to proceed with construction along with proposed revisions (if required due to test results) prior to installation.

**907-282.03.2--Execution and Trenching.** Trenches shall be excavated to pipe grade depth. The width of trench shall be at least 3 1/2 inches. Any over-excavation shall be backfilled and hand tamped prior to installing piping. In soils containing rock or other hard material that may damage the pipe, the trench shall be excavated deeper than required and backfilled to pipe grade with selected fine earth or sand. The trenches shall be kept free of obstructions and debris that would damage pipe.

More than one pipe may utilize the same trench, however, pipe arrangement in the trench shall remain continuous throughout the run of pipe/ trench and the amount of cover shall not be reduced to accommodate additional pipe.

**907-282.03.3--Piping System.**

**907-282.03.3.1--Cover.** Pipe system cover shall be as follows:

Lawn and planting areas:	14 inches below finish grade
Roadways:	36 inches below finish grade
Parking areas:	24 inches below finish grade

**907-282.03.3.2--Clearances.** A minimum 1-inch vertical clearance shall be maintained between lines crossing at an angle greater than 45 degrees.

**907-282.03.4--Piping Erections.**

**907-282.03.4.1--Threaded Plastic Pipe.** Do not use solvent cement on threaded joints. Threaded joints are to be wrapped with Teflon tape. When threaded pipe is used, material shall be Schedule 80 PVC.

**907-282.03.4.2--Cemented Joints for PVC Bell End Pipe and PVC Pipe with Socket Fittings.** These joints shall meet the requirements of ASTM Designation: D 2855.

**907-282.03.5--Valves.** Values shall be installed plumb to within 1/16 inch. Wire connectors shall be installed to wiring in accordance with the manufacturer's written instructions. A 2-foot section, beginning at the Wire connection, is to be wrapped around a minimum 1/2-inch diameter pipe to protect against electrical surges from lightning..

**907-282.03.6--Sprinklers.** Sprinklers shall be installed plumb to within 1/16 inch. Heads along walks and curbs shall be set flush to within 1/8 inch. Other heads shall be set as per details and plans.

**907-282.03.7--Control Wire.** Control wire shall be buried in the same pipe trench, and bundle and tape together at not more than 10-foot intervals.

**907-282.03.8--Backfill:** Do not backfill until system, or that portion thereof, has been tested and approved. Trench shall be filled to within three inches of top with excavated soil and water to compact soil. Fill the top three inches of the trench with existing topsoil in planting areas and wheel roll until compaction of backfill is same as surrounding soil.

**907-282.03.9--Electrical Connections.** Electrical connections shall be in strict accordance with the latest edition of the National Electrical Code. Contractor shall provide the electrical connection to the system as designated on the plans and as specified herein. Splices to electrical

wire between the controller to valves or power supply shall be made within watertight junction boxes.

**907-282.03.10--Automatic Controller.** Location and installation of the automatic controller shall be as per plans, and approved by Engineer prior to installation.

Rain-Freeze device shall be located where approved by the Engineer.

**907-282.03.11--Flushing.** Following installation of piping, risers and valves, but prior to installation of sprinkler heads, the piping system shall be thoroughly flushed under a full head of water. Flushing shall continue for three minutes through the furthest valve. After flushing, the risers shall be capped.

**907-282.03.12--Backflow Preventer.** Backflow preventer shall be set in a level horizontal position twelve inches above grade inside of an insulated backflow preventer box, as noted on the plans.

**907-282.03.13--Testing.** The tests shall be performed in the presence of the Engineer.

**907-282.03.13.1--Pressure Test.** The Contractor shall hydrostatically test the main piping system between meter and valves in place prior to backfilling. A minimum pressure of 50 PSI shall be maintained without pumping for period of one hour. The test shall be considered acceptable if no leakage or loss of pressure is evident during test period. Any leaks shall be repaired. Retests shall be performed until test pressure can be maintained for duration of test. It is assumed that a water supply with a 50-PSI pressure is available on site, wherein no mechanical pumping equipment is required.

**907-282.03.13.2--Operation Test.** At the conclusion of pressure test, sprinkler heads shall be installed and entire system tested for operation under normal operating pressure. Heads shall be adjusted as noted on plans. The entire system shall then be retested. Test is acceptable if the system operates in a satisfactory manner, with uniform coverage of areas to be irrigated.

**907-282.03.14--Guarantee.** The Work shall be guaranteed for one year from date of final acceptance against defects in material, equipment and workmanship. The Contractor shall repair damage to the premises resulting from leaks or other defects in material, equipment and workmanship to the satisfaction of the Department. Repairs, if required, shall be done promptly at no cost to the Department.

**907-282.03.15--Final Acceptance.** Final acceptance shall be in accordance with Section 105 of the Standard Specifications.

**907-282.04--Method of Measurement.**

**907-282.04.1--Sprinkler Heads.** Sprinkler heads, accepted in place, will be measured per each for the type of head specified, including nozzle.

Excavation, fittings to lateral pipe including risers, if necessary, adjustment of spray pattern, setting to proper grade, and backfilling, will not be measured for separate payment.

**907-282.04.2--Piping.** Piping, as noted on the plans and as adjusted by the Contractor in the field, will be measured per linear foot for each size specified.

Miscellaneous fittings, PVC cleaner and glue, and operations necessary to fit and contour pipe to the trench will not be measured for separate payment.

**907-282.04.3--Sleeves.** Sleeves, as noted on the plans and as adjusted by the Contractor in the field, will be measured per linear foot for each size specified.

Boring under existing pavement, miscellaneous fittings, PVC cleaner and glue, and operations necessary to install the sleeves will not be measured for separate payment.

**907-282.04.4--Valve Control Wire.** Valve control wire, as needed for power supply and control of the electric control valves from the electric controllers, shall be measured per linear foot.

Miscellaneous fittings, water-tight junction boxes, if necessary, and curling of wire at valves will not be measured for separate payment.

**907-282.04.5--Trench Excavation and Backfill.** Trench excavation and backfill, as needed for piping and wiring, will be measured per linear foot.

Depth or width of trench will not be considered for separate payment.

**907-282.04.6--Meter with Meter Box.** Meters with meter box, complete and in place, will be measured per each.

Tap or connection to existing tap, cut off valves, meter deposit, or backfilling will not be measured for separate payment.

**907-282.04.7--Electric Controller.** Electric controllers, complete and in place, will be measured per each.

Connection to power supply, installation of rain-freeze switch, rigid galvanized conduit above grade with straps, ground rod and ground wire will not be measured for separate payment.

**907-282.04.8--Electric Control Valve, Isolation Valve, and Quick Coupler Valve.** Electric control valves, isolation valves, and quick coupler valves, complete and in place, will be measured per each.

Excavation, installation of valve box, backfilling, scotch lock protectors, and connection to valve wiring will not be measured for separate payment.

**907-282.04.9--Backflow Preventer.** Where noted on the plans, backflow preventer, complete and in place, will be measured per each.

Installation of backflow preventer box, backfilling, miscellaneous fittings and piping, concrete base, insulated enclosure, adjusting, and connection to piping will not be measured for separate payment.

**907-282.05--Basis of Payment.**

**907-282.05.1--Sprinkler Heads.** Accepted quantities for each type of sprinkler head will be paid for at the contract unit price per each. Prices paid shall be full compensation for completing the work.

**907-282.05.2--Piping and Sleeves.** Accepted quantities for each size of piping will be paid for at the contract unit price per linear foot. Prices paid shall be full compensation for completing the work.

**907-282.05.3--Valve Control Wire and Trench Excavation and Backfill.** Accepted quantities for valve control wire and trench excavation and backfill will be paid for at the contract unit price per linear foot. Prices paid shall be full compensation for completing the work.

**907-282.05.4--Meter with Meter Box, Electric Controller, Electric Control Valve, Isolation Valve, and Quick Coupler with Key and Hose Swivel, and Backflow Preventer.** Accepted quantities for meter with meter box, electric controller, electric control valve, isolation valve and quick coupler will be paid for at the contract unit price per each. Prices paid shall be full compensation for completing the work.

Payment will be made under:

- 907-282-A: Sprinkler Head, Type - per each
- 907-282-B: Piping, Size - per linear foot
- 907-282-C: Sleeves, Size - per linear foot
- 907-282-D: Valve Control Wire - per linear foot
- 907-282-E: Trench Excavation and Backfill - per linear foot
- 907-282-F: Meter with Meter Box, Size - per each
- 907-282-G: Electric Controller, Type - per each
- 907-282-H: Electric Control Valve, Size - per each

- 907-282-I: Backflow Preventer (Size) - per each
- 907-282-J: Isolation Valve, Size - per each
- 907-282-K: Quick Coupler with Key and Hose Swivel - per each



# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**SPECIAL PROVISION NO. 907-290-1**

**CODE: (SP)**

**DATE: 5/16/05**

**SUBJECT: Flagpole**

Section 907-290, Flagpole, is added to and made part of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction as follows:

## **SECTION 907-290--FLAGPOLE**

**907-290.01--Description.** This work shall consist of furnishing all materials and erecting a flagpole as indicated on the plans or established.

### **907-290.02--Materials.**

**907-290.02.1--General.** Unless otherwise stipulated, the materials used in this construction, in addition to the general requirements of this Special Provision, shall conform to the applicable sections of the Standard Specifications.

**907-290.02.2--Concrete for Flagpole Footing.** Concrete for the flagpole footing shall conform to Class "B" Concrete, meeting the requirements of applicable subsections of Section 804 of the Standard Specifications.

**907-290.02.3--Flagpole.** The flagpole shall be an approved groundset tapered aluminum flagpole, having an approximate 30-foot exposed height. The pole shall be complete with an approved ornamental cap, umbrella type revolving truck, tiedown cleat, two No. 10 (5/16") polypropylene halyards with solid bronze swivel snaps per halyard, ground sleeve, and ornamental base collar.

The pole shall be made from 6063T6 extruded aluminum tubing with approximately one inch every five to six feet straight taper, with a butt diameter of approximately six inches and top diameter of approximately three and one half inches and have an approved satin finish. Pole wall thickness to be a minimum of 0.156 inches. Base collar finish shall match pole finish.

**907-290.02.4--Descriptive Data.** Six (6) copies of material descriptive data, in the form of brochures or shop drawings, shall be submitted for review and approval prior to installation of the materials.

**907-290.03--Construction Requirements.** The flagpole shall be erected plumb in an approved manner to the satisfaction of the Engineer and in accordance with the manufacturer's details and recommendations. Material excavated in flagpole construction shall be disposed of as directed by the Engineer.

**907-290.04--Method of Measurement.** Flagpole, complete in place and accepted, will be measured per each. Separate measurement for payment will not be made of any individual unit, operation, or incidental item involved in this construction.

**907-290.05--Basis of Payment.** Flagpole, measured as provided in Subsection 907-290.04, will be paid for at the contract unit price per each complete unit, which price shall be full compensation for furnishing all materials and supplies, for all excavation, backfilling and disposal of surplus material, and for any other work required to complete the flagpole installation.

Payment will be made under:

907-290-A: Flagpole

- per each

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SPECIAL PROVISION NO. 907-304-4**

**CODE: (SP)**

**DATE: 05/02/2006**

**SUBJECT: Crushed Stone Granular Materials**

Section 907-304, Granular Courses, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

**907-304.02--Materials.** After the first paragraph of Subsection 304.02.1 on page 183, add the following:

Gradation requirements for crushed stone granular material shall meet the following:

**Crushed Stone**

Sieve Size	Percent Passing by Weight
1 1/2 inch	100
1 inch	90 - 100
1/2 inch	62 - 90
No. 4	30 - 65
No. 10	15 - 40
No. 200	3 - 16

Gradation requirements for crushed stone granular material size 825 shall meet the following:

**Size 825**

Sieve Size	Percent Passing by Weight
2 inch	100
1 1/2 inch	90 - 100
1 inch	75 - 98
1/2 inch	60 - 85
No. 4	40 - 65
No. 8	28 - 54
No. 16	19 - 42
No. 50	9 - 27
No. 200	4 - 18

Granular material, RAP shall be milled recycled asphalt pavement and shall be visually inspected by the Engineer to insure it is free from chunks and deleterious materials.

**907-304.03--Construction Requirements.**

**907-304.03.5--Shaping, Compacting and Finishing.** Delete the first table in Subsection 304.03.5 on page 186 and substitute the following:

Granular Material Class	Lot Average	Individual Test
7,8,9 or 10	97.0	93.0
5 or 6	99.0	95.0
3 or 4	100.0	96.0
1 or 2	102.0	98.0
Crushed Stone Courses*	99.0	95.0

\* When placed on filter fabric on untreated subgrade, the individual tests and the average of the five (5) tests shall equal or exceed the following values:

<u>Lot Average</u>	<u>Individual Test</u>
96.0	92.0

Before the last paragraph of Subsection 304.03.5 on page 186, add the following:

Unless otherwise specified, density for granular material, RAP, shall be achieved by two passes of an approved roller and density tests will not be required.

For Size 825 crushed stone base, the required density shall equal or exceed ninety-nine percent (99.0%) with no single density below ninety-five percent (95.0%).

**907-304.05--Basis of Payment.** Add the “907” prefix to pay items 304-D, 304-E, 304-F, 304-G & 304-H on page 187.

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

## SUPPLEMENT TO SPECIAL PROVISION NO. 907-401-2

**DATE:** 03/30/2007

**SUBJECT:** Hot Mix Asphalt (HMA)

After Subsection 907-401-02.6.2 on page 2, add the following:

**907-401.02.6.4.1--Roadway Density.** Delete subparagraphs 1., 2., & 3. on page 251 and substitute the following:

1. For all leveling lifts, when full lane width and with a thickness as specified in the table in Subsection 401.02.4, the required lot density shall be 92.0 percent of maximum density.
2. For all single lift overlays, with or without leveling and/or milling, the required lot density shall be 92.0 percent of maximum density.
3. For all multiple lift overlays of two (2) or more lifts excluding leveling lifts, the required lot density of the bottom lift shall be 92.0 percent of maximum density. The required lot density for all subsequent lifts shall be 93.0 percent of maximum density.
4. For all pavements on new construction, the required lot density for all lifts shall be 93.0 percent of maximum density.

**907-401.03.1.4--Density.** Delete the first sentence of the first paragraph of Subsection 401.03.1.4 on page 259 and substitute the following:

The lot density for all dense graded pavement lifts, except as provided below for preleveling, wedging [less than fifty percent (50%) of width greater than minimum lift thickness], ramp pads, irregular shoulder areas, median crossovers, turnouts, or other areas where the established rolling pattern cannot be performed, shall not be less than the specified percent (92.0% or 93.0%) of the maximum density based on AASHTO Designation: T 209 for the day's production. For all leveling lifts, when full lane width and with a thickness as specified in the table in Subsection 401.02.4, the required lot density shall be 92.0 percent of maximum density.

## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**SPECIAL PROVISION NO. 907-401-2**

**CODE: (IS)**

**DATE: 11/04/2005**

**SUBJECT: Hot Mix Asphalt (HMA)**

Section 401, Hot Mix Asphalt (HMA) - General, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

Delete in toto Subsection 401.02.6.2 on pages 248 and 249, and substitute:

**907-401.02.6.2--Assurance Program for Mixture Quality.** The Engineer will conduct a quality assurance program. The quality assurance program will be accomplished as follows:

- 1) Conducting verification tests.
- 2) Validate Contractor test results.
- 3) Periodically observing Contractor quality control sampling and testing.
- 4) Monitoring required quality control charts and test results.
- 5) Sampling and testing materials at any time and at any point in the production or laydown process.

The rounding of all test results will be in accordance with Subsection 700.04.

The Engineer will conduct verification tests on samples taken by the Contractor under the direct supervision of the Engineer at a time specified by the Engineer. The frequency will be equal to or greater than ten percent (10%) of the tests required for Contractor quality control and the data will be provided to the Contractor within two asphalt mixture production days after the sample has been obtained by the Engineer. At least one sample shall be tested from the first two days of production. All testing and data analysis shall be performed by a Certified Asphalt Technician-I (CAT-I) or by an assistant under the direct supervision of the CAT-I. Certification shall be in accordance with the *MDOT HMA Technician Certification Program* chapter in the Materials Division Inspection, Testing, and Certification Manual. The Department shall post a chart giving the names and telephone numbers for the personnel responsible for the assurance program.

The Engineer shall be allowed to inspect Contractor testing equipment and equipment calibration records to confirm both calibration and condition. The Contractor shall calibrate and correlate all testing equipment in accordance with the latest versions of the Department's Test Methods and AASHTO Designation: R 18.

Random differences between the Engineer's verification tests and the current running average of four quality control tests at the time of obtaining the verification sample will be considered acceptable if within the following limits:

Item	Allowable Differences
Sieve - % Passing	
3/8-inch and above	6.0
No. 4	5.0
No. 8	4.0
No. 16, for 4.75 mm mixtures ONLY	3.5
No. 30	3.5
No. 200	2.0
AC Content	0.4
Specimen Bulk SG, Gmb @ $N_{Design}$	0.030
Maximum SG, Gmm	0.020

If four quality control tests have not been tested prior to the time of the first verification test, the verification test results will be compared to the average of the preceding quality control tests. If the verification test is the first material tested on the project or if a significant process adjustment was made just prior to the verification test, the verification test results will be compared to the average of four subsequent quality control test results. For all other cases after a significant process adjustment, the verification test results will be compared to the average of the preceding quality control tests (taken after the adjustment) as in the case of a new project start-up when four quality control tests are not available.

In the event that; 1) the comparison of the Contractor’s running average quality control data and Engineer’s quality assurance verification test results are outside the allowable differences in the above table, or 2) if a bias exists between the results, such that one of the results is predominately higher or lower than the other, and the Engineer’s results fail to meet the JMF control limits, the Engineer will investigate the reason immediately. As soon as the need for an investigation becomes known, the Engineer will increase the quality assurance sampling rate to the same frequency required for Contractor testing. The additional samples obtained by the Engineer may be used as part of the investigation process or for routine quality assurance verification tests. The Engineer's investigation may include testing of the remaining quality control split samples, review and observation of the Contractor's testing procedures and equipment, and a comparison of split sample test results by the Contractor quality control laboratory, Department quality assurance laboratory and the Materials Division laboratory. The procedures outlined in the latest edition of MDOT’s Field Manual for HMA may be used as a guide for the investigation. In the event that the Contractor’s results are determined to be incorrect, the Engineer's results will be used for the quality control data and the appropriate payment for the mixture will be based on the procedures specified in Subsection 401.02.5.8(j).

The Engineer will periodically witness the sampling and testing being performed by the Contractor. The Engineer, both verbally and in writing, will promptly notify the Contractor of any observed deficiencies. When differences exist between the Contractor and the Engineer which cannot be resolved, a decision will be made by the State Materials Engineer, acting as the referee. The Contractor will be promptly notified in writing of the decision. If the deficiencies are not corrected, the Engineer will stop production until corrective action is taken.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SUPPLEMENT TO SPECIAL PROVISION NO. 907-403-4**

**DATE: 03/30/2007**

**SUBJECT: Hot Mix Asphalt (HMA)**

Before Subsection 907-403-05.2 on page 1, add the following:

Delete Subsection 403.03.5.5 on page 273 and substitute the following:

**907-403.03.5.5--Preliminary Leveling.** All irregularities of the existing pavement, such as ruts, cross-slope deficiencies, etc., shall be corrected by spot leveling, skin patching, feather edging or a wedge lift in advance of placing the first overall lift.



**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SPECIAL PROVISION NO. 907-403-4**

**CODE: (IS)**

**DATE: 11/04/2005**

**SUBJECT: Hot Mix Asphalt (HMA)**

Section 403, Hot Bituminous Pavement, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

**907-403.05.2--Pay Items.** Add the "907" prefix to the pay items listed on page 275 & 276.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SPECIAL PROVISION NO. 907-603-6**

**CODE: (SP)**

**DATE: 07/12/2005**

**SUBJECT: 3-inch to 12-inch Corrugated Polyethylene Pipe**

**PROJECT: LWO-6017-18(003) / 501632301 -- Forrest County**

Section 603, Culverts and Storm Drains, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby modified as follows:

**907-603.02--Materials.** Three-inch to twelve-inch corrugated polyethylene pipe shall meet the requirements of Subsection 708.19.

**907-603.05--Basis of Payment.** Add the "907" prefix to pay item 603-PE on page 366 for 3-inch to 12-inch corrugated polyethylene pipe.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SPECIAL PROVISION NO. 907-611-6**

**CODE: (SP)**

**DATE: 10/31/2006**

**SUBJECT: Brick Painting**

**PROJECT: LWO-6017-18(003) / 501632301 -- Forrest County**

Section 611, Brick Masonry, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction as amended by this special provision is applicable to Brick Painting Only.

**907-611.01--Description.** The work to be done includes the furnishing of all materials, labor, tools, equipment and reasonably related items to complete the painting and finishing of the building as specified and/or scheduled.

**907-611.01.1-General.** Painting work for this project shall include the painting of all previously painted exterior surfaces as scheduled on the Plan Drawings and to include the following:

1. Unless noted otherwise, all previously painted surfaces exposed to view to include, but not limited to, the following:
  - a. Walls
  - b. Doors
  - c. Windows
  - d. Soffits
  - e. Fascia
  - f. Trim
  - g. Window Screens
  - h. Woodwork
  - i. Etc.
2. All wood whether previously finished or not.
  - a. All previously painted wood to be painted.
  - b. All previously stained wood to be stained.
  - c. All nontreated wood which has never been painted is to be painted.
  - d. All pressure treated wood which has never been painted is to be stained.
3. Unless noted otherwise, all previously painted exterior appendages connected to or adjacent to buildings including, but not limited to, the following:
  - a. Handrails
  - b. Bollards
  - c. Stairs
  - d. Screen Walls
  - e. Fences
  - f. Trellises

- g. Porches
- h. Canopies
- i. Columns
- j. Flag Poles
- k. Signage
- l. Can Wash
- m. Screened Porches
- n. Carports

Previously painted items not to be painted are as follows:

1. All factory finished metal flashing.
2. All factory finished corrugated metal roof decking and accessories.
3. All curbs, walks, and streets.
4. All factory finished wood paneling (unless previously painted).
5. All factory finished mechanical and electrical equipment.

**907-611.01.2--Submittals.** All submittals shall include Shop Drawings, Product Data and Samples. The Contractor shall submit a schedule listing every type of surface which is to be painted and the proposed preparation, materials, and number of coats; each identified by specific product designation of the manufacturer. Painting schedule shall be similar in format to that listed herein. The Contractor shall submit the paint manufacturer's complete color chips for proposed materials and 3" x 5" samples of all clear finishes on woodwork. Color chips will be returned to the painting Contractor after completion of the project if requested. The Engineer shall provide the general Contractor with a color schedule which will coordinate every item to be selected for the project.

**907-611.02--Materials.** The term "paint" as used in the specifications include stains, varnishes, sealers, shellacs, and paints. All materials shall be of the best quality, top grade of the various types required as manufactured by Devoe, Pittsburgh Plate Glass Company, Benjamin Moore & Company. All pigmented coatings to be used on non-combustible surfaces shall conform to Class A fire rating by not having a flame spread in excess of 25 or a smoke, density factor in excess of 0. All interior products must be formulated free of lead and mercury.

**907-611.02.1--Product Handling.** All materials shall be delivered to the building in unbroken packages bearing the name and trademark of the manufacturer. Such material shall be used without adulteration and only with such thinning as called for in the manufacturer's directions.

The Contractor shall store materials and do all mixing in one area as designated by the General Contractor. All oily rags, waste, and so forth shall be removed from the building at the end of each day's work.

**907-611.02.2--Workmanship.** Workmanship shall be of the very best. All materials shall be evenly spread and smoothly flowed on, giving an uniform sheen and color without runs and sags. Only skilled mechanics shall be employed and all materials shall be applied in strict accordance with the manufacturer's direction, except as otherwise specified, only one (1) manufacturer's material shall be used in each of the finishes specified.

Where surfaces or materials of different colors intersect, each color shall be cut carefully into the corner to form a neat straight line. All colors shall be as selected.

All surfaces to be painted or enameled shall be cleaned and free of loose dirt and dust before painting is started. See Surface Preparation requirements as listed below.

In general, exterior oil paints shall be allowed to dry at least forty-eight (48) hours between coats and interior paint shall be allowed to dry at least twenty-four (24) hours between coats unless noted in the detail specifications to the contrary. All coats shall be lightly sanded between coats with a double zero sand paper and dusted before succeeding coat is applied. Each coat of paint shall be inspected and approved before another coat is applied.

All under coats of paint and enamel shall be tinted to the approximate shade of the final coat.

All adjacent work and material shall be protected by suitably covering or other method during the progress of work.

All accessories, such as sighting fixtures, switches, and the like shall be removed before painting and reinstalled following the final coat.

All painting specified in this section is in addition to painting called for in other sections of the specifications.

Underwriter's Labels shall not be painted over. It necessary, remove and re-affix the label after the surface has been finished.

**907-611.02.3--Protection and Cleaning.** During cleaning, all surfaces not being painted shall be protected to prevent soiling.

Following the completion of the painting, all surfaces shall be cleaned of dobs, spatters, and the like using materials and methods which will not harm the surfaces being cleaned.

**907-611.02.4--Quality Assurance.** The Painting Schedule uses Benjamin Moore and Company's trade names and product labels for establishing the quality of materials for each of the separate paints, stains, etc., and each manufacturer wishing to substitute must have a compatible paint analysis to the one called for by trade name. The products shall be the best the manufacturer has and the use of trade names for establishing grade in no way is meant to be restrictive as far as paint manufacturers are concerned. It is simply to establish the quality of paint required for each application.

**907-611.03-Construction Requirements.**

**907-611.03.1--Painting Schedule.** Painting shall be performed in accordance with the following schedule.

Exterior Ferrous Metals:

1st coat            Spot prime with Moore's Iron Clad Retardo Rust Inhibitive Paint

2nd coat Moore's Impervo high gloss enamel  
 3rd coat Moore's Impervo high gloss enamel

Exterior Galvanized Metal:

1st coat Special Galvanized metal primer equal to Benjamin Moore iron clad galvanized metal primer.  
 2nd coat Moore's Impervo high gloss enamel  
 3rd coat Moore's, Impervo high gloss enamel

Exterior Aluminum:

1st coat Primer equal to H. Fosbergs XIM Primer  
 2nd coat Moore's Impervo high gloss enamel  
 3rd coat Moore's Impervo high gloss enamel

Exterior Wood Except Doors and Shutters -Painted:

1st coat Moorewhite Primer  
 2nd coat Moore's House Paint

Exterior Wood Doors and Shutters -Painted:

1st coat Moorewhite Primer  
 2nd coat Impervo High Gloss Enamel

Exterior Wood -Stained:

1st coat Moorwood Semi-Transparent Exterior Stain and Wood Preservative

Exterior Masonry:

1st coat MoorGard Latex House Paint  
 2nd coat MoorGard Latex House Paint

Exterior Stucco:

1st coat MoorGard Latex House Paint  
 2nd coat MoorGard Latex House Paint

Exterior Concrete Except Floors:

1st coat MoorGard Latex House Paint  
 2nd coat MoorGard Latex House Paint

**907-611.03.2--Preparation.**

**907-611.03.2.1--General.** The painting contractor shall be wholly responsible for the quality of the painting contractor's work, and is not to commence any part of it until the surface is in proper condition. If the contractor considers any surface unsuitable for proper finishing, the contractor is to notify the Engineer of this fact in writing. The contractor is not to apply any material until corrective measures have been taken, or the Engineer has instructed the contractor to proceed.

The prime coat should be applied soon after surface preparation has been completed, to prevent contamination of the substrate. Mildew must always be removed before painting. Mildew shall

be removed by washing with a mixture of trisodium-phosphate, household chlorine bleach and water.

**907-611.03.2.2--Exterior Wood.**

Previously Painted Wood:

All blistered, peeling and scaling paint shall be removed to a sound substrate by scraping, sanding and wire brushing. Where bare wood is exposed, spot prime shall be placed before applying an overall coat of primer. Surfaces shall be cleaned thoroughly to a sound substrate by wire brushing, sanding or by power wash. Mildew must be removed by scrubbing or power wash equipment, using a commercial mildew wash.

Previously Stained Wood:

Previously stained, or unstained weathered surfaces must be aggressively cleaned with a stiff fiber brush to remove "dead" wood fibers. Loose or warped siding and shingles are to be nailed flush with the surface using coated nails. If mildew is evident, it must be removed by scrubbing or power wash equipment using a commercial mildew wash.

**907-611.03.2.3--Previously Painted Metals.**

Ferrous Metals:

All surfaces must be free of grease and oil, and cleaned in accordance with SSPC-SPi-63 "Solvent Cleaning" followed by removal of all loose, scaling paint by hand scraping, or by use of power tools. Rusted surfaces to be cleaned in accordance with SSPC-SP2-63 "Hand Tool Cleaning" or SSPC-SP3-63 "Power Tool Cleaning." Glossy surfaces should be dulled by sanding. Where heavy rust, corrosion and deteriorated coating exist, the surface should be abrasive blast cleaned in accordance with SSPC-SP6-63 "Commercial Blast Cleaning." The surface should be blown off with compressed air to remove traces of blast products, and must be primed within 24 hours.

Galvanized Metals:

All surfaces must be free of grease and oil and shall be cleaned in accordance with SSPC-SP1-63 "Solvent Cleaning." Peeling and scaling paint, and chalk must be removed by scraping, sanding and wire brushing, then primed. Weathered, unpainted galvanized iron surfaces must be wire brushed or power washed to remove deposits of "white rust," then primed. Rusted areas must be sanded clean, and spot primed.

Aluminum:

Surfaces specified for painting require no special preparation other than solvent cleaning. All mortar spatters and other foreign material must be removed by appropriate means.

**907-611.03.2.4--Previously Painted Masonry, Poured/Precast Concrete, Concrete Block, and Stucco Surfaces.** All peeling and scaling paint shall be removed to a sound substrate by hand scraping, use of mechanical grinders or with high pressure spray equipment. If mildew is present, it shall be removed with a commercial mildewcide solution. Multiple coats of paint that are in an advanced state of deterioration and prior applications of cement based paints must be removed by sandblasting or by use of mechanical grinder. All structural cracks and crevices are

to be filled with appropriate patching compounds.

**907-611.03.3--Application.** Paint shall be applied according to manufacturer's printed literature.

**907-611.03.4--Protection and Cleaning.** During cleaning, all surfaces not being painted shall be protected to prevent soiling. Following the completion of the painting, all surfaces shall be cleaned of globs, spatters, and the like using materials and methods which will not harm the surfaces being cleaned.

**907-611.04--Method of Measurement.** Brick painting will be measured by the square foot of accepted face area of the painted brick. The area measured for payment will be computed from the average horizontal length and average vertical height.

**907-611.05--Basis of Payment.** Brick painting, measured as prescribed above, shall be paid for at the contract unit price per square foot, which price shall be full compensation for all materials, equipment, labor, and incidentals necessary to complete the work.

907-611-F: Brick Painting

- per square foot



**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SPECIAL PROVISION NO. 907-628-6**

**CODE: (SP)**

**DATE: 11/16/2006**

**SUBJECT: Cold Plastic Blue-ADA Pavement Markings**

Section 628, Cold Plastic Pavement Markings, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction, as amended by this special provision is applicable to Blue-ADA Pavement Marking only.

**907-628.02--Materials.** Blue-ADA cold plastic marking material shall meet the requirements of Subsection 720.04 with the exception that the material color shall be blue-ADA.

**907-628.04--Method of Measurement.** Detail traffic stripe will be measured by the linear foot from end-to-end of individual stripes. Measurements will be made along the surface of each stripe and will exclude skip intervals where skips are specified. Stripes more than four inches in width will be converted to equivalent lengths of four-inch stripe.

Legend, which is to include railroad markings, pedestrian crosswalks and stop lines, will be measured by the square foot or linear foot. Pay areas of individual letters and symbols will usually be shown on the plans and measured by the square foot. Transverse railroad bands, pedestrian crosswalks and stop lines will generally be measured by the linear foot, in which case, stripes more than four inches in width will be converted to equivalent lengths of four-inch widths. Cold Plastic Legend, Handicap Symbol of the color specified will be measured per each as determined by actual count in place.

**907-628.05--Basis of Payment.** Cold plastic pavement markings will be paid for at the contract unit price per linear foot, square foot or each, as applicable, which shall be full compensation for completing the work.

Add the following pay items between pay item nos. 628-G and 628-H on page 451.

907-628-G: 4” Cold Plastic Detail Stripe, Blue-ADA - per linear foot

907-628-H: 4” Cold Plastic Legend, Blue-ADA - per square foot or  
linear foot

907-628-H: 4” Cold Plastic Legend, Handicap Symbol, Color - per each

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SPECIAL PROVISION NO. 907-682-7**

**CODE: (SP)**

**DATE: 03/01/2007**

**SUBJECT: Underground Branch Circuit**

**PROJECT: LWO-6017-18(003) / 501632 -- Forrest County**

Section 682, Electrical Distribution System, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction as amended by this special provision is applicable for Underground Branch Circuit CABLE ONLY:

**907-682.01-- Description.** Secondary distribution (Underground branch circuit – cable only) shall consist of furnishing and installing new electrical conductors within existing electrical branch circuits buried underground, except where otherwise shown on the plans. Branch circuits shall consist of existing (buried) conduit, new conductors, connectors and all hardware necessary to complete the work.

**907-679.07.4--Method of Measurement.** Underground Branch Circuit - Cable Only shall be measured by the linear foot, complete as installed into the existing conduit. The measurement shall be computed as follows:

Underground - Horizontally along the existing conduit lengths.

No extra length will be allowed for risers to lighting assemblies or power control stations. The terminals for measurement of lengths will be considered specifically as the center of lighting assemblies, power control stations, and junction boxes. Payment for branch circuit conductor connectors, tape, etc. shall be included in payment allowed for the total length of branch circuit conductors.

Miscellaneous support items and other incidentals required for proper installation of branch circuit conductors will not be measured for separate payment, but shall be included in the contract unit price per linear foot for branch circuit conductor installation.

**907-679.07.5--Basis of Payment.** Underground Branch Circuit - Cable Only, measured as prescribed above, will be paid for at the contract unit price per linear foot for the installation of branch circuit conductors in existing underground conduit.

Payment will be made under:

907-682-A: Underground Branch Circuit, Size, No. of Conductors,  
Cable Only

- per linear foot

## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**SPECIAL PROVISION NO. 907-701-2**

**CODE: (IS)**

**DATE: 01/12/2006**

**SUBJECT: Portland Cement**

Section 701, Hydraulic Cement, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

**907-701.02--Portland Cement.** Delete the **third paragraph and** table in Subsection 701.02 on page 596, and substitute the following:

When Portland cement concrete or cement for soil stabilization is exposed to moderate or severe soluble sulfate conditions, or to seawater, cement types and replacement of cement by Class F fly ash (FA), ground granulated blast furnace slag (GGBFS), or metakaolin shall be as follows:

**Cementitious Materials for Soluble Sulfate Conditions**

Sulfate Exposure	Water-soluble sulfate (SO <sub>4</sub> ) in soil, % by mass	Sulfate (SO <sub>4</sub> ) in water, ppm	Cementitious material required
Moderate and Seawater	0.10 - 0.20	150 - 1500	Type II <sup>**</sup> cement, or Type I cement with one of the following replacements of cement: 25% Class F, FA, or 50% GGBFS, or 10% metakaolin
Severe	0.20 - 2.00	1500 - 10,000	Type II <sup>*</sup> cement with one of the following replacements of cement: 25% Class F, FA, or 50% GGBFS, or 10% metakaolin

\* Type I cement with a maximum 8% tricalcium aluminate may be used in lieu of Type II cement.

\*\* Class F, FA or GGBFS may be added as a replacement for Portland cement in accordance the proportions as listed in this table.

Class C fly ash shall not be used as a replacement for Portland cement in any of the sulfate exposure conditions listed above.

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-708-3

CODE: (IS)

DATE: 01/12/2006

SUBJECT: Non-Metal Drainage Structures

Section 708, Non-Metal Structures and Cattlepasses, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

**907-708.02.1.2--Fly Ash** In the first sentence of Subsection 708.02.1.2 on page 639, change “20 percent” to “25 %”.

**907-708.02.3.2--Marking**. Delete the second sentence of Subsection 708.02.3.2 on page 640, and substitute the following:

Machine made pipe shall be marked in accordance with one of the following methods: 1) the pipe shall be inscribed on the outside of the pipe and stenciled on the inside of the pipe, or 2) the pipe shall be inscribed on the inside of the pipe, only. All other pipe may be stenciled.

**907-708.22.2--Exceptions to AASHTO**. Delete the sixth paragraph of Subsection 708.22.2 on page 647.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-711-3

CODE: (IS)

DATE: 09/26/2005

SUBJECT: Synthetic Structural Fiber Reinforcement

Section 711, Reinforcement and Wire Rope, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

After Subsection 711.03.4.3 on page 665, add the following:

907-711.04--Synthetic Structural Fiber. Synthetic structural fibers shall meet the requirements of ASTM Designation: C 1116, Section 4.1.3, Note 3. The fibers shall be monofilament made of polypropylene or polypropylene/polyethylene blend meeting the following conditions:

<u>Property</u>	<u>Results</u>
Length, minimum .....	1.5 inches
Aspect Ratio (length / equivalent diameter) .....	90
Breaking tenacity, minimum * .....	530 mN/tex
(Tensile Strength, minimum .....	70 ksi)
Chord modulus, minimum * .....	980 cN/tex
(Modulus of Elasticity, minimum .....	1,300 ksi)

\* When tested in accordance with ASTM Designation: D 3822

The dosage rate for the fibers shall be a minimum of three pounds per cubic yard (3 lb / yd<sup>3</sup>). The dosage rate for the fibers when used in pile encasements shall be a minimum of four pounds per cubic yard (4 lb / yd<sup>3</sup>).

The manufacturer shall furnish the Engineer three copies of the certified test report(s) showing results of all required tests, and certification that the material meets the specifications.

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-714-2

CODE: (IS)

DATE: 1/23/2006

SUBJECT: Miscellaneous Materials

Section 714, Miscellaneous Materials, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

Delete Subsection 714.07 on page 682 and substitute the following:

**907-714.07--Other Cementitious Materials.**

**907-714.07.1--Metakaolin.**

**907-714.07.1.1--General.** Metakaolin shall only be used to bring the cementitious materials in Portland cement concrete and cement for soil stabilization into compliance with the requirements for cementitious materials exposed to soluble sulfate conditions. The approval of each metakaolin source shall be on a case by case basis as determined by the State Materials Engineer. Source approval will be based on, but not limited to, review of the proposed source's quality control program, production history, certified test reports, certification of shipment from the supplier, and job control sampling and testing requirements.

The Contractor shall provide suitable means for storing and protecting the metakaolin against dampness and contamination. Metakaolin which has become partially set, caked, or contains lumps shall not be used.

The State Materials Engineer shall be notified in writing of the nature, amount and identity of any processing, or other additions made to the metakaolin during production.

Metakaolin from different sources shall not be mixed or used alternately in any one class of construction or structure without written permission from the Engineer. In addition to these requirements, metakaolin shall meet the following specific requirements.

**907-714.07.1.2--Specific Requirements.** Metakaolin shall meet the requirements of AASHTO Designation: M 295 Class N with the following modifications:

1. The sum of  $\text{SiO}_2 + \text{Al}_2\text{O}_3 + \text{Fe}_2\text{O}_3$  shall be at least 85%. The Material Safety Data Sheet shall indicate that the amount of crystalline silica, as measured by National Institute of Occupation Safety and Health (NIOSH) 7500 method, after removal of the mica interference, is less than 1.0%.
2. The loss on ignition shall be less than 3.0%.
3. The available alkalis, as equivalent  $\text{Na}_2\text{O}$ , shall not exceed 1.0%.
4. The amount of material retained on a No. 325 mesh sieve shall not exceed 1.0%.
5. The strength activity index at seven (7) days shall be at least 85%.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SPECIAL PROVISION NO. 907-804-2**

**CODE: (SP)**

**DATE: 01/20/2006**

**SUBJECT: Concrete Bridges And Structures**

Section 804, Concrete Bridges And Structures, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

**907-804.02.1--General.** Add the following materials to the list of materials in Subsection 804.02.1 on page 847.

Ground Granulated Blast Furnace Slag (GGBFS).....	714.06
Metakaolin .....	714.07.01

**907-804.02.10--Portland Cement Concrete Mix Design.** Change Note \*\*\*\*\* of Subsection 804.02.10 on page 851 as follows:

\*\*\*\*\* Class DS Concrete for drilled shafts shall have an 8±1-inch slump. In the event of free fall method of concrete placement is used, the slump shall be 6±1-inch.

Delete the last paragraph of Subsection 804.02.10 on page 851 and substitute the following:

Either Type A, D, F, G or mid-range chemical admixture, shall be used in all classes of concrete. Any combination of water reducing admixtures shall be approved by the Engineer before their use.

**907-804.05--Basis of Payment.** Add the "907" prefix to the pay items listed on page 898.

### **SPECIAL PROVISION NO. 906-3**

#### **Training Special Provisions**

This Training Special Provision supersedes subparagraph 7b of the Special Provision entitled "Specific Equal Employment Opportunity Responsibilities," (Attachment 1), and is in implementation of 23 U.S.C. 140(a).

As part of the Contractor's equal employment opportunity affirmative action program training shall be provided as follows:

The Contractor shall provide on-the-job training aimed at developing full journeymen in the type of trade or job classification involved.

The number of trainees to be trained under this special provision will be as indicated in the bid schedule of the contract.

In the event that a Contractor subcontracts a portion of the contract work, he shall determine how many, if any, of the trainees are to be trained by the subcontractor, provided, however, that the Contractor shall retain the primary responsibility for meeting the training requirements imposed by this special provision. The Contractor shall also insure that this training special provision is made applicable to such subcontract. Where feasible, 25 percent of apprentices or trainees in each occupation shall be in their first year of apprenticeship or training.

The number of trainees shall be distributed among the work classifications on the basis of the Contractor's needs and the availability of journeymen in the various classifications within a reasonable area of recruitment. Prior to commencing construction, the Contractor shall submit to the State highway agency for approval the number of trainees to be trained in each selected classification and training program to be used. Furthermore, the Contractor shall specify the starting time for training in each of the classifications. The Contractor will be credited for each trainee employed by him on the contract work who is currently enrolled or becomes enrolled in an approved program and will be reimbursed for such trainees as provided hereinafter.

Training and upgrading of minorities and women toward journeymen status is a primary objective of this Training Special Provision. Accordingly, the Contractor shall make every effort to enroll minority trainees and women (e.g., by conducting systematic and direct recruitment through public and private sources likely to yield minority and women trainees) to the extent that such persons are available within a reasonable area of recruitment. The Contractor will be responsible for demonstrating the steps that he has taken in pursuance thereof, prior to a determination as to whether the Contractor is in compliance with this Training Special Provision. This training commitment is not intended, and shall not be used, to discriminate against any applicant for training, whether a member of a minority group or not.

No employee shall be employed as a trainee in any classification in which he has successfully completed a training course leading to journeyman status or in which he has been employed as a



journeyman. The Contractor should satisfy this requirement by including appropriate questions in the employee application or by other suitable means. Regardless of the method used the Contractor's records should document the findings in each case.

The minimum length and type of training for each classification will be as established in the training program selected by the Contractor and approved by the State highway agency and the Federal Highway Administration. The State highway agency and the Federal Highway Administration shall approve a program if it is reasonably calculated to meet the equal employment opportunity obligations of the Contractor and to qualify the average trainee for journeyman status in the classification concerned by the end of the training period. Furthermore, apprenticeship programs registered with the U.S. Department of Labor, Bureau of Apprenticeship and Training, or with a State apprenticeship agency recognized by the Bureau and training programs approved but not necessarily sponsored by the U.S. Department of Labor, Manpower Administration, Bureau of Apprenticeship and Training shall also be considered acceptable provided it is being administered in a manner consistent with the equal employment obligations of Federal-aid highway construction contracts. Approval or acceptance of a training program shall be obtained from the State prior to commencing work on the classification covered by the program. It is the intention of these provisions that training is to be provided in the construction crafts rather than clerk-typists or secretarial-type positions. Training is permissible in lower level management positions such as office engineers, estimators, timekeepers, etc., where the training is oriented toward construction applications. Training in the laborer classification may be permitted provided that significant and meaningful training is provided and approved by the division office. Some offsite training is permissible as long as the training is an integral part of an approved training program and does not comprise a significant part of the overall training.

Except as otherwise noted below, the Contractor will be reimbursed 80 cents per hour of training given an employee on this contract in accordance with an approved training program. As approved by the engineer, reimbursement will be made for training persons in excess of the number specified herein. This reimbursement will be made even though the Contractor receives additional training program funds from other sources, provided such other does not specifically prohibit the Contractor from receiving other reimbursement. Reimbursement for offsite training indicated above may only be made to the Contractor where he does one or more of the following and the trainees are concurrently employed on a Federal-aid project; contributes to the cost of the training, provides the instruction to the trainee or pays the trainee's wages during the offsite training period.

No payment shall be made to the Contractor if either the failure to provide the required training, or the failure to hire the trainee as a journeyman, is caused by the Contractor and evidences a lack of good faith on the part of the Contractor in meeting the requirements of this Training Special Provision. It is normally expected that a trainee will begin his training on the project as soon as feasible after start of work utilizing the skill involved and remain on the project as long as training opportunities exist in his work classification or until he has completed his training program. It is not required that all trainees be on board for the entire length of the contract. A

Contractor will have fulfilled his responsibilities under this Training Special Provision if he has provided acceptable training to the number of trainees specified. The number trained shall be determined on the basis of the total number enrolled on the contract for a significant period.

Trainees will be paid at least 60 percent of the appropriate minimum journeyman's rate specified in the contract for the first half of the training period, 75 percent for the third quarter of the training period, and 90 percent for the last quarter of the training period, unless apprentices or trainees in an approved existing program are enrolled as trainees on this project. In that case, the appropriate rates approved by the Departments of Labor or Transportation in connection with the existing program shall apply to all trainees being trained for the same classification who are covered by this Training Special Provision.

The Contractor shall furnish the trainee a copy of the program he will follow in providing the training. The Contractor shall provide each trainee with a certification showing the type and length of training satisfactorily completed.

The Contractor will provide for the maintenance of records and furnish periodic reports documenting his performance under this Training Special Provision.

## **SPECIAL PROVISION NO. 906-6**

### **MISSISSIPPI DEPARTMENT OF TRANSPORTATION ON-THE-JOB TRAINING PROGRAM**

#### **ALTERNATE TRAINING SPECIAL PROVISION**

##### **PURPOSE**

The purpose of the On-The-Job Training (OJT) Program is to provide training for minority, female and economically disadvantaged individuals in order that they may develop marketable skills and gain journey status in the skilled craft classifications in which they are being trained.

##### **INTRODUCTION**

**This voluntary** OJT Program has been developed through the partnering efforts of the Road Builders of Mississippi, the Federal Highway Administration (FHWA) and the Mississippi Department of Transportation (MDOT).

The OJT Program has been designed for use by participating contractors and subcontractors in meeting their training needs. The objective of the OJT Program is to develop skilled workers in the skilled craft trade areas of highway construction who are sufficiently trained to be productive employees in the highway construction industry work force.

The success of the OJT Program will require that contractors and subcontractors **take part in the program and** follow uniform procedures in training **and in tracking trainee's progress.**

##### **FUNDING**

MDOT will establish an annual OJT Fund **from** which, contractors and subcontractors may **bill the** Department directly for hours worked by trainees. The funding source of this money will be state and federal funds for MDOT's OJT Program.

##### **DISBURSEMENT OF FUNDS**

**MDOT will pay \$3.00 per hour toward the trainee's salary** for each hour of training performed by **each** trainee in an approved training program. Program reimbursements will be made directly to the prime or sub contractor. Requests for payment will be submitted to the Office of Civil Rights for approval.

Contractors must **provide a signed invoice** providing the following information to be reimbursed.

- Contractor's Name
- Mailing Address
- Trainee Name
- **Social Security Number**

- Race
- Sex
- Project Number
- Job Classification
- Total Number of Hours Completed

### **TRAINING PROGRAM APPROVAL**

A. To use the OJT Program on highway construction projects, the contractor will notify the Department Office of Civil Rights using the On-the-Job Trainee [Schedule Form](#). The notification must include the following information:

- Trainee Starting Date
- Project number (s) trainee starting on
- Training program (classification) to be used; and
- [Number of Training Hours Required](#)

B. If a contractor chooses to use a training program different from those listed in the OJT Program [Manual](#), or desires to train in a different classification, the training program must be submitted in its entirety for approval by the Department and FHWA. The training proposal must include the following:

1. The primary objective of the program: To provide training for minority, female and economically disadvantaged individuals for development to full journey status in the work classifications in which they are being trained.
2. The minimum number of hours and type of training the trainee will receive as it relates to each specific task required to achieve journey status.
3. [No less than](#) minimum wage.
4. Trainee certification of completion.
5. Records and reports submitted to the Office of Civil Rights on a [monthly](#) basis.

### **DEPARTMENT RESPONSIBILITY**

1. Department project staff will monitor trainees on the project. They will monitor payrolls for payment of correct wage rates and fringe benefits. The Office of Civil Rights will maintain a master list by contractor name, project number, trainee name and trainee social security number to aid project staff in monitoring trainees who work on multiple projects.
2. The Office of Civil Rights may elect to interview trainees periodically during the training period to assess their performance and training program.

## **CONTRACTOR RESPONSIBILITY**

1. Trainees must be identified on payrolls (i.e. dragline trainee).
2. When any trainee completes a program, or is terminated for a reason or reasons other than successful completion, the contractor must include the date of completion or an explanation for the termination and date of termination on the [OJT Termination Report](#).
3. The contractor will assign each trainee to a particular person--either a supervisor or a journeyman/woman who is proficient in the craft the trainee is being trained in, to ensure that timely instructional experience is received by the trainee. This person, cooperating with the appropriate company personnel, will see that proper records and the total intended training hours are completed during the allocated number of hours set up in the classification criteria.
4. The contractor has the prerogative of terminating the training period of the trainee and advancing the trainee to journey status. Approval requests must be submitted to the Office of Civil Rights with an explanation (*refer to 2 above*).
5. Upon notification from the contractor, the Department will issue a [skill verification card](#) and certificate of [training](#) to the trainee.
6. Trainees may be transferred to state-aid highway construction projects in order to complete the training program. If transfers are made the Office of Civil Rights must be notified on the [Monthly Trainee](#) Form. All of the training hours completed by trainees will count toward overall program completion.
7. Program reimbursements will be made directly to the prime or sub contractor.

## **WAGE RATE**

The wage rate for all trainees is \$5.15, during their OJT training program. Trainees shall be paid full fringe benefit amounts, where applicable. At the completion of the training program, the trainee shall receive the wages of a skilled journey.

## **RECRUITMENT AND SELECTION PROCEDURES**

### A. Prerequisites for Trainees

To be qualified for enrollment in the OJT Program, trainees must possess basic physical fitness for the work to be performed, dependability, willingness to learn and ability to follow instructions.

### B. Licenses

Truck driver trainees must possess appropriate driver permits or licenses for the operation of Class A, B and C trucks. However, when an instructional permit is used in lieu of a license, the trainee must be accompanied by an operator who:

1. Holds a license corresponding to the vehicle being operated;
2. Has had at least one year of driving experience; and
3. Is occupying the seat next to the driver.

#### C. Recruitment

1. Notices and posters setting forth the contractor's Equal Employment Opportunity Policy and availability of training programs will be placed in areas readily accessible to employees, applicants for employment and potential employees.
2. The contractor must target minority, female or economically disadvantaged trainees.
3. The contractor will conduct systematic and direct recruitment through public and private employee referral sources. Contractors must submit the trainee's name and completed application form to the Office of Civil Rights for review and approval. Approval must be obtained before the trainee can begin work under the training program.
4. Present employees will be screened for upgrading.

#### D. Selection

1. The selection and employment of a person by participating contractor shall qualify the person for the OJT Program.
  2. Selection will be made without regard to race, color, religion, sex, age or national origin and shall be completely nondiscriminatory.
  3. Employment of trainees will be in accordance with the work force requirements of the contractor. Each contractor will hire and train the trainees for uses in their own organization.
  4. Written certification of individuals under the category of economically disadvantaged can be provided to the contractor at the time of the interview. This certification must then be provided to the Office of Civil Rights with the other required information as part of the approval process for trainees.
- **NOTE:** The OJT Program is to provide training for minority, female and economically disadvantaged individuals in order that they may develop marketable skills and gain journey status in the skilled craft classifications in which they are being trained. However, this program does not exclude trainees that are not members of the above groups.

# SECTION 905 - PROPOSAL

Date \_\_\_\_\_

Mississippi Transportation Commission  
Jackson, Mississippi

Sirs: The following proposal is made on behalf of \_\_\_\_\_  
\_\_\_\_\_ of \_\_\_\_\_

\_\_\_\_\_ for constructing the following designated project(s) within the time(s) hereinafter specified.

The plans are composed of drawings and blue prints on file in the offices of the Mississippi Department of Transportation, Jackson, Mississippi.

The Specifications are the current Standard Specifications of the Mississippi Department of Transportation approved by the Federal Highway Administration, except where superseded or amended by the plans, Special Provisions and Notice(s) to Bidders attached hereto and made a part thereof.

I (We) certify that I (we) possess a copy of said Standard and Supplemental Specifications.

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, the Specifications, including the Special Provisions and Notice(s) to Bidders, herein, and have personally examined the site of the work. On the basis of the Specifications, Special Provisions, Notice(s) to Bidders, 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 herein 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, in accordance with the above.

Attached hereto is a certified check, cashier's check or Proposal Guaranty Bond in the amount as required in the Advertisement (or, by law).

**INSTRUCTION TO BIDDERS: Alternate and Optional Items on Bid Schedule.**

1. Two or more items entered opposite a single unit quantity WITHOUT DEFINITE DESIGNATION AS "ALTERNATE ITEMS" are considered as "OPTIONAL ITEMS". Bidders may or may not indicate on bids the Optional Item proposed to be furnished or performed WITHOUT PREJUDICE IN REGARD TO IRREGULARITY OF BIDS.
2. Items classified on the bid schedule as "ALTERNATE ITEMS" and/or "ALTERNATE TYPES OF CONSTRUCTION" must be preselected and indicated on bids. However, "Alternate Types of Construction" may include Optional Items to be treated as set out in Paragraph 1, above.
3. Optional items not preselected and indicated on the bid schedule MUST be designated in accordance with Subsection 102.06 prior to or at the time of execution of the contract.
4. Optional and Alternate items designated must be used throughout the project.

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.

**SECTION 905 -- PROPOSAL (CONTINUED)**

I (We) further propose to execute the attached contract agreement (Section 902) as soon as the work is awarded to me (us), and to begin and complete the work within the time limit(s) provided for in the Specifications and Advertisement. I (We) also propose to execute the attached contract bond (Section 903) in an amount not less than one hundred (100) percent of the total of 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, cashier's check or bid bond for **five percent (5%) of total bid** and hereby agree that in case of my (our) failure to execute the contract and furnish bond within Ten (10) days after notice of award, the amount of this check (bid bond) will be forfeited to the 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,

DATE \_\_\_\_\_

\_\_\_\_\_  
Contractor

BY \_\_\_\_\_  
Signature

TITLE \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY, STATE, ZIP \_\_\_\_\_

PHONE \_\_\_\_\_

FAX \_\_\_\_\_

E-MAIL \_\_\_\_\_

(To be filled in if a corporation)

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

\_\_\_\_\_  
President Address

\_\_\_\_\_  
Secretary Address

\_\_\_\_\_  
Treasurer Address

The following is my (our) itemized proposal.



Work necessary to improve the parking lot and the site of District Six Headquarters in Hattiesburg, known as State Project No. LWO-6017-18(003) / 501632301, in the County of Forrest, State of Mississippi.

I (We) agree to complete the entire project within the specified contract time.

**\*\*\* SPECIAL NOTICE TO BIDDERS \*\*\***

**BIDS WILL NOT BE CONSIDERED UNLESS BOTH UNIT PRICES AND ITEM TOTALS ARE ENTERED.  
 BIDS WILL NOT BE CONSIDERED UNLESS THE BID CERTIFICATION LOCATED AT THE END OF THE BID SHEETS IS SIGNED**

**\*\*\*BID SCHEDULE\*\*\***

Line No.	Item Code	Adj Code	Quantity	Units	Description	Unit Price		Item Amount	
						Dollar	Ct	Dollar	Ct
<b>Roadway Items Items</b>									
0010	201-A001		1	Lump Sum	Clearing and Grubbing	XXXXXXXX	XXX		
0020	202-A001		1	Lump Sum	Removal of Obstructions	XXXXXXXX	XXX		
0030	203-G001	(E)	25	Cubic Yard	Excess Excavation, FM				
0040	211-B001	(E)	25	Cubic Yard	Topsoil for Slope Treatment, Contractor Furnished				
0050	212-B001		1,750	Square Yard	Standard Ground Preparation				
0060	213-B003		1	Ton	Combination Fertilizer, 8-24-24				
0070	216-B001		400	Square Yard	Solid Sodding, Centipede				
0080	219-A001		5	Thousand Gallon	Watering	20.	00	100.	00

Line No.	Item Code	Adj Code	Quantity	Units	Description	Unit Price		Bid Amount	
0090	220-A001		1	Acre	Insect Pest Control	30.	00	30.	00
0100	232-A001		1	Thousand	Fertilizer for Woody Plant Material				
0110	233-A001		75	Cubic Yard	Tree Bark Mulch, Type I				
0120	234-A001		500	Linear Feet	Temporary Silt Fence				
0130	235-A001		50	Bale	Temporary Erosion Checks				
0140	304-A043	(GY )	150	Cubic Yard	Granular Material, LVM, Class 9, Group C				
0150	406-A001		1,400	Square Yard	Cold Milling of Bituminous Pavement, All Depths				
0160	601-B001	(S )	1	Cubic Yard	Class "B" Structural Concrete, Minor Structures				
0170	602-A001	(S )	35	Pounds	Reinforcing Steel				
0180	608-B001	(S )	925	Square Yard	Concrete Sidewalk, With Reinforcement				
0190	609-B001	(S )	580	Linear Feet	Concrete Curb, Header				
0200	609-D009	(S )	810	Linear Feet	Combination Concrete Curb and Gutter Type 3B				

Line No.	Item Code	Adj Code	Quantity	Units	Description	Unit Price		Bid Amount	
0210	618-A001		1	Lump Sum	Maintenance of Traffic	XXXXXXXX	XXX		
0220	620-A001		1	Lump Sum	Mobilization	XXXXXXXX	XXX		
0230	628-H002		114	Square Feet	Cold Plastic Legend, White				
0240	630-A001		7	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness				
0250	630-C004		16	Linear Feet	Steel U-Section Posts, 3.0 to 3.5 lb/ft				
0260	647-A004		1	Each	Pullbox, Type 5				
0270	647-A005		2	Each	Pullbox, Type 2				
0280	668-B025		240	Linear Feet	Traffic Signal Conduit, Underground Drilled or Jacked, Rolled Pipe, 3"				
0290	668-B026		680	Linear Feet	Traffic Signal Conduit, Underground Drilled or Jacked, Rolled Pipe, 4"				
0300	682-B009		1,285	Linear Feet	Underground Branch Circuit, Jacked or Bored, AWG 10, 2 Conductor				
0310	682-B030		375	Linear Feet	Underground Branch Circuit, Jacked or Bored, AWG 6, 2 Conductor				
0320	682-B039		40	Linear Feet	Underground Branch Circuit, Jacked or Bored, AWG 12, 3 Conductor				

Line No.	Item Code	Adj Code	Quantity	Units	Description	Unit Price		Bid Amount	
0330	682-F001		1	Each	Secondary Power Controllers				
0340	683-B153		3	Each	Lighting Assembly, Low Mast, Type 30-2-0-250				
0350	683-B154		7	Each	Lighting Assembly, Low Mast, Type 30-1-0-250				
0360	684-A003		15	Cubic Yard	Pole Foundation, 24" Diameter				
0370	699-A001		1	Lump Sum	Roadway Construction Stakes	XXXXXXXXX	XXX		
0380	907-230-A001		241	Each	Shrub Planting, Asiatic Jasmine				
0390	907-230-A011		78	Each	Shrub Planting, Dwarf Yaupon Holly				
0400	907-230-A033		16	Each	Shrub Planting, Japanese Cleypora				
0410	907-230-A070		19	Each	Shrub Planting, Japanese Privet, Tree-Form				
0420	907-230-B005		5	Each	Tree Planting, Little Gem Magnolia				
0430	907-230-B044		6	Each	Tree Planting, Crape Myrtle 'Natchez'				
0440	907-230-C001		560	Linear Feet	Bed Edging				

Line No.	Item Code	Adj Code	Quantity	Units	Description	Unit Price		Bid Amount	
0450	907-230-D001		7,500	Square Feet	Bed Preparation				
0460	907-258-E001		4	Each	Trash Receptacle				
0470	907-258-H001		9	Each	Cast Stone Bench				
0480	907-258-K001		2	Each	Bollard				
0490	907-258-N001		8	Each	Car Stop				
0500	907-258-O001		5	Each	Cigarette Receptacle				
0510	907-258-PP007		2	Each	Sign, Masonry and Stone				
0520	907-259-C001		3	Each	Lighting Assembly, Flag Pole Lighting				
0530	907-259-D001		2	Each	Lighting Assembly, Sign Lighting				
0540	907-259-PP001		15	Each	Lighting Assembly, Building Uplighting				
0550	907-282-A037		4	Each	Sprinkler Head, 1812-PRS-8H				
0560	907-282-A055		56	Each	Sprinkler Head, 1812-PRS-5H				

Line No.	Item Code	Adj Code	Quantity	Units	Description	Unit Price		Bid Amount	
0570	907-282-B001		231	Linear Feet	Piping, 1/2" Diameter				
0580	907-282-B002		664	Linear Feet	Piping, 3/4" Diameter				
0590	907-282-B003		54	Linear Feet	Piping, 1" Diameter				
0600	907-282-C001		40	Linear Feet	Sleeves, 2"				
0610	907-282-C002		38	Linear Feet	Sleeves, 4"				
0620	907-282-D001		1,000	Linear Feet	Valve Control Wire				
0630	907-282-E001		850	Linear Feet	Trench Excavation and Backfill				
0640	907-282-G007		1	Each	Electric Controller, 4 Station				
0650	907-282-H001		2	Each	Electric Control Valve, 1"				
0660	907-290-A001		1	Each	Flagpole				
0670	907-304-H001	(GY)	70	Cubic Yard	Size 825 Crushed Stone Base, LVM				
0680	907-403-A012	(BA1)	625	Ton	Hot Mix Asphalt, ST, 19-mm mixture				

Line No.	Item Code	Adj Code	Quantity	Units	Description	Unit Price	Bid Amount
0690	907-403-A015	(BA1)	345	Ton	Hot Mix Asphalt, ST, 9.5-mm mixture		
0700	907-403-B008	(BA1)	225	Ton	Hot Mix Asphalt, ST, 19-mm mixture, Leveling		
0710	907-603-PE002	(S)	38	Linear Feet	8" Corrugated Polyethylene Pipe		
0720	907-603-PP002	(S)	3	Each	18" Preformed Polyethylene Drainage Catch Basin		
0730	907-607-PP003		310	Linear Feet	96" Cypress Wood Fence, Screening Barrier, Per Plans		
0740	907-607-PP004		90	Linear Feet	75" Brick Fence, Screening Barrier, Per Plans		
0750	907-607-PP005		2	Each	Gate, Barrier Fence, Per Plans		
0760	907-611-F001	(S)	1,360	Square Feet	Brick Painting		
0770	907-628-G002		1,917	Linear Feet	Cold Plastic Detail Stripe, White, 4" Equivalent Length		
0780	907-628-G004		130	Linear Feet	4" Cold Plastic Detail Stripe, Blue-ADA		
0790	907-628-H002		2	Each	Cold Plastic Legend, Blue-ADA Handicap Symbol		
0800	907-682-A031		320	Linear Feet	Underground Branch Circuit, AWG 6, 2 Conductor, Cable Only		

Line No.	Item Code	Adj Code	Quantity	Units	Description	Unit Price		Bid Amount	
0810	907-682-A032		815	Linear Feet	Underground Branch Circuit, AWG 10, 2 Conductor, Cable Only				



\*\*\* BID CERTIFICATION \*\*\*

TOTAL BID.....\$\_\_\_\_\_

\*\*\* SIGNATURE STATEMENT \*\*\*

BIDDER ACKNOWLEDGES THAT HE/SHE HAS CHECKED ALL ITEMS IN THIS PROPOSAL FOR ACCURACY AND CERTIFIED THAT THE FIGURES SHOWN THEREIN CONSTITUTE THEIR OFFICIAL BID.

\_\_\_\_\_  
BIDDER'S SIGNATURE

\_\_\_\_\_  
BIDDER'S COMPANY

\_\_\_\_\_  
BIDDER'S FEDERAL TAX ID NUMBER

**CONDITIONS FOR COMBINATION BID**

If a bidder elects to submit a combined bid for two or more of the contracts listed for this month's letting, the bidder must complete and execute these sheets of the proposal in each of the individual proposals to constitute a combination bid. In addition to this requirement, each individual contract shall be completed, executed and submitted in the usual specified manner.

Failure to execute this Combination Bid Proposal in each of the contracts combined will be just cause for each proposal to be received and evaluated as a separate bid.

\*\*\*\*\*

**COMBINATION BID PROPOSAL**

I. This proposal is tendered as one part of a Combination Bid Proposal utilizing option \_\_\_\* of Subsection 102.11 on the following contracts:

\* Option to be shown as either (a), (b), or (c).

<u>Project No.</u>	<u>County</u>	<u>Project No.</u>	<u>County</u>
1. _____	_____	6. _____	_____
2. _____	_____	7. _____	_____
3. _____	_____	8. _____	_____
4. _____	_____	9. _____	_____
5. _____	_____	10. _____	_____

A. If option (a) has been selected, then go to II, and sign Combination Bid Proposal.

B. If option (b) has been selected, then complete the following, go to II, and sign Combination Bid Proposal.

SECTION 905 - COMBINATION BID PROPOSAL (Continued)

Project Number	Pay Item Number	Unit	Unit Price Reduction	Total Item Reduction	Total Contract Reduction
1. _____	_____ _____	_____ _____	_____ _____	_____ _____	
2. _____	_____ _____	_____ _____	_____ _____	_____ _____	
3. _____	_____ _____	_____ _____	_____ _____	_____ _____	
4. _____	_____ _____	_____ _____	_____ _____	_____ _____	
5. _____	_____ _____	_____ _____	_____ _____	_____ _____	
6. _____	_____ _____	_____ _____	_____ _____	_____ _____	
7. _____	_____ _____	_____ _____	_____ _____	_____ _____	
8. _____	_____ _____	_____ _____	_____ _____	_____ _____	

SECTION 905 - COMBINATION BID PROPOSAL (Continued)

Project Number	Pay Item Number	Unit	Unit Price Reduction	Total Item Reduction	Total Contract Reduction
9. _____	_____ _____	_____ _____	_____ _____	_____ _____	
10. _____	_____ _____	_____ _____	_____ _____	_____ _____	

C. If option (c) has been selected, then initial and complete one of the following, go to II. and sign Combination Bid Proposal.

\_\_\_\_\_ I (We) desire to be awarded work not to exceed a total monetary value of \$ \_\_\_\_\_.

\_\_\_\_\_ I (We) desire to be awarded work not to exceed \_\_\_\_\_ number of contracts.

II. It is understood that the Mississippi Transportation Commission not only reserves the right to reject any and all proposals, but also the right to award contracts upon the basis of lowest separate bids or combination bids most advantageous to the State.

It is further understood and agreed that the Combination Bid Proposal is for comparison of bids only and that each contract shall operate in every respect as a separate contract in accordance with its proposal and contract documents.

I (We), the undersigned, agree to complete each contract on or before its specified completion date.

SIGNED \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

TO: EXECUTIVE DIRECTOR, MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
JACKSON, MISSISSIPPI

**CERTIFICATE**

If awarded this contract, I (we) contemplate that portions of the contract will be sublet. I (we) certify that those subcontracts which are equal to or in excess of fifty thousand dollars (\$50,000.00) will be in accordance with regulations promulgated and adopted by the Mississippi State Board of Contractors on January 13, 1999.

I (we) agree that this notification of intent DOES NOT constitute APPROVAL of the subcontracts.

NOTE: Insert name and address of subcontractors. (Subcontracts equal to or in excess of fifty thousand dollars (\$50,000.00) ONLY.)

_____	_____
(Individual or Firm)	(Address)
_____	_____
(Individual or Firm)	(Address)
_____	_____
(Individual or Firm)	(Address)
_____	_____
(Individual or Firm)	(Address)

NOTE: Failure to complete the above DOES NOT preclude subsequent subcontracts. Subsequent subcontracts, if any, equal to or in excess of fifty thousand dollars (\$50,000.00) will be in accordance with regulations promulgated and adopted by the Mississippi State Board of Contractors on January 13, 1999.

Contractor \_\_\_\_\_

By \_\_\_\_\_

Title \_\_\_\_\_

**CERTIFICATE MUST BE EXECUTED**

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

CERTIFICATION  
(Execute in duplicate)

State of Mississippi

County of \_\_\_\_\_

I, \_\_\_\_\_,  
(Name of person signing certification)

individually, and in my capacity as \_\_\_\_\_ of  
(Title)

\_\_\_\_\_ do hereby certify under  
(Name of Firm, Partnership, or Corporation)

penalty of perjury under the laws of the United States and the State of Mississippi that  
\_\_\_\_\_, Bidder  
(Name of Firm, Partnership, or Corporation)

on Project No. **LWO-6017-18(003) / 501632301** \_\_\_\_\_,

in **Forrest** County(ies), 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 corporate officers or principal owners.

Except as noted hereafter, it is further certified that said legal entity and its corporate officers, principal owners, managers, auditors and others in a position of administering federal funds are not currently under suspension, debarment, voluntary exclusion or determination of ineligibility; nor have a debarment pending; nor been suspended, debarred, voluntarily excluded or determined ineligible within the past three years by the Mississippi Transportation Commission, the State of Mississippi, any other State or a federal agency; nor been indicted, convicted or had a civil judgment rendered by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past three years.

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.

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) is true and correct.

Executed on \_\_\_\_\_ Signature \_\_\_\_\_

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

CERTIFICATION  
(Execute in duplicate)

State of Mississippi

County of \_\_\_\_\_

I, \_\_\_\_\_,  
(Name of person signing certification)

individually, and in my capacity as \_\_\_\_\_ of  
(Title)

\_\_\_\_\_ do hereby certify under  
(Name of Firm, Partnership, or Corporation)

penalty of perjury under the laws of the United States and the State of Mississippi that  
\_\_\_\_\_, Bidder  
(Name of Firm, Partnership, or Corporation)

on Project No. **LWO-6017-18(003) / 501632301** \_\_\_\_\_,

in Forrest County(ies), 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 corporate officers or principal owners.

Except as noted hereafter, it is further certified that said legal entity and its corporate officers, principal owners, managers, auditors and others in a position of administering federal funds are not currently under suspension, debarment, voluntary exclusion or determination of ineligibility; nor have a debarment pending; nor been suspended, debarred, voluntarily excluded or determined ineligible within the past three years by the Mississippi Transportation Commission, the State of Mississippi, any other State or a federal agency; nor been indicted, convicted or had a civil judgment rendered by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past three years.

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.

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) is true and correct.

Executed on \_\_\_\_\_ Signature

**S E C T I O N   9 0 2**

CONTRACT FOR   LWO-6017-18(003) / 501632301  

LOCATED IN THE COUNTY(IES) OF   Forrest  

STATE OF MISSISSIPPI,  
COUNTY OF HINDS

This contract entered into by and between the Mississippi Transportation Commission on one hand, and the undersigned contractor, on the other witnesseth;

That, in consideration of the payment by the Mississippi Transportation Commission 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 of 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 Advertisement, 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, exceptions being those specifically set out in the contract; and for faithfully completing the whole work in good and workmanlike manner according to the approved Plans, Specifications, Special Provisions, Notice(s) to Bidders and requirements of the Mississippi Department of Transportation.

It is further agreed that the work shall be done under the direct supervision and to the complete satisfaction of the Executive Director of the Mississippi Department of Transportation, or his authorized representatives, and when Federal Funds are involved subject to inspection at all times and approval by the Federal Highway Administration, or its agents as the case may be, or the agents of any other Agency whose funds are involved 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 Mississippi Transportation Commission and the authorized Federal Agencies.

The Contractor agrees that all labor as outlined in the Special Provisions may 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, 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 \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

\_\_\_\_\_  
Contractor (s)

By \_\_\_\_\_

MISSISSIPPI TRANSPORTATION COMMISSION

Title \_\_\_\_\_

By \_\_\_\_\_

Signed and sealed in the presence of:  
(names and addresses of witnesses)

Executive Director

\_\_\_\_\_  
Secretary to the Commission

Award authorized by the Mississippi Transportation Commission in session on the \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, Minute Book No. \_\_\_\_\_, Page No. \_\_\_\_\_.



**S E C T I O N   9 0 3**

CONTRACT BOND FOR: **LWO-6017-18(003) / 501632301**

LOCATED IN THE COUNTY(IES) OF: **Forrest**

STATE OF MISSISSIPPI,

COUNTY OF HINDS

Know all men by these presents: that we, \_\_\_\_\_

\_\_\_\_\_ Principal, a \_\_\_\_\_

residing at \_\_\_\_\_ in the State of \_\_\_\_\_

and \_\_\_\_\_

residing at \_\_\_\_\_ in the State of \_\_\_\_\_,

authorized to do business in the State of Mississippi, under the laws thereof, as surety, are held and firmly bound

unto the State of Mississippi in the sum of \_\_\_\_\_

(\$ \_\_\_\_\_) 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.

Signed and sealed this the \_\_\_\_ day of \_\_\_\_\_ A.D. \_\_\_\_\_.

The conditions of this bond are such, that whereas the said \_\_\_\_\_

principal, has (have) entered into a contract with the Mississippi Transportation Commission, bearing the date of

\_\_\_\_\_ day of \_\_\_\_\_ A.D. \_\_\_\_\_ hereto annexed, for the construction of certain projects(s)

in the State of Mississippi as mentioned in said contract in accordance with the Contract Documents therefor, on

file in the offices of the Mississippi Department of Transportation, Jackson, Mississippi.

Now therefore, if the above bounden \_\_\_\_\_

\_\_\_\_\_ 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

Subsection 109.11 of the approved specifications, and save harmless said Mississippi Transportation Commission

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, and shall be liable and responsible in a civil

action instituted by the State at the instance of the Mississippi Transportation Commission or any officer of the State

authorized in such cases, for double any amount in money or property, the State may lose or be overcharged or

otherwise defrauded of, by reason of wrongful or criminal act, if any, of the Contractor(s), his (their) agents or

**SECTION 903 - CONTINUED**

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, any liquidated damages which may arise prior to any termination of said principal's contract, any liquidated damages which may arise after termination of the said principal's contract due to default on the part of said principal, 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. Mississippi Code of 1972, and other State statutes applicable thereto, and shall carry out to the letter and to the satisfaction of the Executive Director of the Mississippi Department of Transportation, all, each and every one of the stipulations, obligations, conditions, covenants and agreements and terms of said contract in accordance with the terms thereof and all of the expense and cost and attorney's fee 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 and seals this the \_\_\_\_\_ day of \_\_\_\_\_ A.D. \_\_\_\_\_.

_____	_____
(Contractors) Principal	Surety
By _____	By _____
	(Signature) Attorney in Fact
	_____
Title _____	_____
(Contractor's Seal)	(Name and Address of Local (Mississippi) Representative) (Surety Seal)

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**HAUL PERMIT FOR BRIDGES**

**WITH**

**POSTED WEIGHT LIMITS**

**DATE:** \_\_\_\_\_

**PROJECT: LWO-6017-18(003) / 501632301**

**COUNTIES: Forrest**

**LOCATION: District Six Headquarters in Hattiesburg.**

A permit is issued to \_\_\_\_\_ for transporting loads exceeding the posted limit for any such bridge located on State designated routes within the project termini provided that such transport vehicles comply with all other governing statutory weight limits.

This permit is valid on all State designated routes from the point of origin to the point of delivery for materials and equipment utilized in construction of said project and also valid for sub-contractors and vendors upon written permission of the Contractor. The permit is non-transferable and no other haul permit for posted bridges will be issued to other individuals, vendors, or companies for construction of this project.

A copy of this signed permit shall be carried in all vehicles operating under the authority of this permit and also a copy of the Contractor's written permission when the vehicle is other than Contractor owned.

In accordance with State law, the above named Contractor will be liable for damages directly attributable to vehicles operating under this permit.

\_\_\_\_\_  
EXECUTIVE DIRECTOR