

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.

Bidder acknowledges receipt of and has added to and made a part of the proposal and contract documents the following addendum (addenda):

ADDENDUM NO. 1 DATED 1/13/2012 ADDENDUM NO. _____ DATED _____
 ADDENDUM NO. _____ DATED _____ ADDENDUM NO. _____ DATED _____

Number	Description
1	Table of Contents, replace same; NTB 3682, replaces same; Add NTB Nos. 3771 & 3779; Add SP. No. 907-688-5; Wage Rates, replace same; Bidsheets, replace same; Revised or Added Plan Sht. Nos. 2, 8, 14, & 47; Amendment EBS Download Required.

TOTAL ADDENDA: 1
 (Must agree with total addenda issued prior to opening of bids)

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.

Revised 09/21/2005

IM-0055-01(100) / 104525301

Pike County(ies)

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

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OCR-485.

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

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 3682

DATE: 01/17/2012

SUBJECT: Specialty Items

PROJECT: IM-0055-01(100) / 104525301 - Pike 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: LANDSCAPING

Line No	Pay Item	Description
0380	907-258-PP024	Speed Hump

CATEGORY: MISCELANEOUS/ SPECIALTY WORK ITEMS

Line No	Pay Item	Description
0070	423-A001	Rumble Strips, Ground In

CATEGORY: PAVEMENT STRIPING AND MARKING

Line No	Pay Item	Description
0300	627-K001	Red-Clear Reflective High Performance Raised Markers
0310	627-L001	Two-Way Yellow Reflective High Performance Raised Markers
0470	907-626-A003	6" Thermoplastic Traffic Stripe, Skip White
0480	907-626-C004	6" Thermoplastic Edge Stripe, Continuous White
0490	907-626-E003	6" Thermoplastic Traffic Stripe, Continuous Yellow
0500	907-626-F004	6" Thermoplastic Edge Stripe, Continuous Yellow
0510	907-626-G001	Thermoplastic Detail Stripe, Blue-ADA
0520	907-626-G004	Thermoplastic Detail Stripe, White
0530	907-626-H002	Thermoplastic Legend, Blue-ADA Handicap Symbol
0540	907-626-H004	Thermoplastic Legend, White

CATEGORY: TRAFFIC CONTROL - PERMANENT

Line No	Pay Item	Description
0320	630-F001	Delineators, Guard Rail, White
0330	630-F002	Delineators, Guard Rail, Yellow
0340	630-F006	Delineators, Post Mounted, Single White
0350	630-F007	Delineators, Post Mounted, Single Yellow
0360	630-F008	Delineators, Post Mounted, Double White
0370	630-F009	Delineators, Post Mounted, Double Yellow

CATEGORY: TRAFFIC CONTROL - TEMPORARY

Line No	Pay Item	Description
0210	619-A1002	Temporary Traffic Stripe, Continuous White
0220	619-A2002	Temporary Traffic Stripe, Continuous Yellow
0230	619-A3006	Temporary Traffic Stripe, Skip White
0240	619-A5001	Temporary Traffic Stripe, Detail
0250	619-A6001	Temporary Traffic Stripe, Legend
0260	619-D1001	Standard Roadside Construction Signs, Less than 10 Square Feet
0270	619-D2001	Standard Roadside Construction Signs, 10 Square Feet or More
0280	619-G4001	Barricades, Type III, Single Faced

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 3771

CODE: (SP)

DATE: 01/11/2012

SUBJECT: Joint Sealant

PROJECT: IM-0055-01(100) / 104525301 -- Pike County

Bidders are advised that the joint sealant for asphalt shown on the typical sections of the plans is in error. The joint sealant should be placed on the mainline along the centerline and outside shoulder joints of the surface lift.

The joint sealant will only be applied to the Stone Matrix Asphalt mix not the Open Graded Friction Course.

The quantity for joint sealant for asphalt shown on the Summary of Quantity Sheet in the Plans is also in error. The correct quantity for joint sealant is indicated on the bid sheets.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904- NOTICE TO BIDDERS NO. 3779

CODE: (SP)

DATE: 01/17/2012

SUBJECT: Pay Item Correction

PROJECT: IM-0055-01(100) / 104525301 – Pike County

Bidders are hereby advised that Pay Item 619-D2002, (Standard Roadside Construction Signs, 10 Square Feet or More, Permanent), listed on the Summary of Quantity Sheets is in error. The Correct Pay Item should be 619-D2001, (Standard Roadside Construction Signs, 10 Square Feet or More) .

The Bidsheets reflect the above correction.

OPERATOR: Scraper.....	\$ 10.00	0.00
OPERATOR: Tractor.....	\$ 7.79	0.00
OPERATOR: Asphalt Paver and Asphalt Spreader.....	\$ 10.00	0.00
TRUCK DRIVER.....	\$ 9.22	0.00

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is union or non-union.

Union Identifiers

An identifier enclosed in dotted lines beginning with characters other than "SU" denotes that the union classification and rate have found to be prevailing for that classification. Example: PLUM0198-005 07/01/2011. The first four letters , PLUM, indicate the international union and the four-digit number, 0198, that follows indicates the local union number or district council number where applicable , i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. The date, 07/01/2011, following these characters is the effective date of the most current negotiated rate/collective bargaining agreement which would be July 1, 2011 in the above example.

Union prevailing wage rates will be updated to reflect any changes in the collective bargaining agreements governing the rate.

Non-Union Identifiers

Classifications listed under an "SU" identifier were derived from survey data by computing average rates and are not union rates; however, the data used in computing these rates may include both union and non-union data. Example: SULA2004-007 5/13/2010. SU indicates the rates are not union rates, LA indicates the State of Louisiana; 2004 is the year of the

survey; and 007 is an internal number used in producing the wage determination. A 1993 or later date, 5/13/2010, indicates the classifications and rates under that identifier were issued as a General Wage Determination on that date.

Survey wage rates will remain in effect and will not change until a new survey is conducted.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board

U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-688-5

CODE: (SP)

DATE: 1/13/2012

SUBJECT: Traffic Recorder Weigh-In-Motion (WIM) System

PROJECT: IM-0055-01(100) / 104525301 – Pike County

Section 907-688, Traffic Recorder WIM System, is hereby added to and made a part of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction as follows:

SECTION 907-688 -- TRAFFIC RECORDER WIM SYSTEM

907-688.01--Description. This work consists of furnishing Traffic Recorder WIM Systems of the types specified which includes assembling, constructing, erecting, and installing a new complete system in conformity with these specifications to insure properly operating units in accordance with the designs and at the locations shown on the plans, or as directed. This axle detector system should classify and weigh vehicles in all lanes. Submittals shall be sent directly to the Planning Analysis section of the Planning Division with a copy of the cover letter sent to the Project Engineer. The submittals will be returned within a seven (7) business day period from when they are received.

The Contractor shall include all hardware and software necessary to operate the field station unattended. The station is to operate continuously without human intervention.

The system may be a Traffic Recorder WIM Kistler System (907-688-A) or a Traffic Recorder WIM Brass Linguini (BL) Piezo System (907-688-B). The type of system shall be defined in the plans or contract documents.

The Traffic Recorder WIM Kistler System shall utilize two (2) Kistler quartz sensor strips as utilized by Mikros RAKTEL 8010 System or latest system as approved by MDOT and one (1) loop per lane in all lanes as recommended by the manufacturer.

The Traffic Recorder WIM Brass Linguini (BL) Piezo System shall utilize two (2) Class 1 BL Piezo strips as utilized by Mikros RAKTEL 8010 System or latest system as approved by MDOT and one (1) loop per lane in all lanes as recommended by the manufacturer.

A multiplexer shall be required for sites utilizing two (2) Mikros RAKTEL Systems in order for both systems to have access to one phone line.

The Contractor shall provide three (3) copies of all manuals on Installation, Operating, Schematics, and Maintenance for the entire System.

The sensors, equipment cabinet, inductive loops, cables, leads, and electronic hardware and software will be furnished, installed, tested, calibrated and made operational by the Contractor.

The Contractor shall provide all services required for construction, tests, the satisfactory performance period(s), and miscellaneous usage on this project until the site inspection of the project. Deposits, customer charges, connection cost, etc., associated with the System up to and including the date of the site inspection (Subsection 907-688.03.18.1--Site Inspection) of the System shall be the responsibility of the Contractor. At least five (5) business days prior to starting work, the Contractor shall provide notice to the MDOT Planning Division and the MDOT Project Office so that a representative of the Planning Division can be on site while the work is being performed.

907-688.02--Materials. The materials used in the traffic recorder WIM system shall conform with the requirements of these specifications as set out herein. Prior to the scheduled start of work, the Contractor shall provide the Engineer with submittals on the following items and shall obtain the Engineer's approval before starting affected work. The Contractor shall use new materials and equipment. Any existing traffic counting equipment at the site is the sole property of the MDOT and shall not be removed by the Contractor.

907-688.02.1--Sensors. For Traffic Recorder WIM BL Piezo Systems, vehicle axle detectors shall utilize piezoelectric cable in a sensor assembly and be of a type that has been shown to be successful for vehicle classification in both asphaltic and portland cement concrete pavements. BL Piezo sensor length shall be eleven (11) feet minimum. Sensors as delivered from manufacturer shall include a shielded transmission cable of sufficient length for a continuous run to the equipment cabinet without splicing. Piezoelectric Cable/Sensors shall be as those utilized by Mikros RAKTEL 8010 System or latest system as approved by MDOT. Sensitivity dispersion shall be Class 1, $\pm 5\%$.

For Traffic Recorder WIM Kistler Systems, the Kistler Quartz Cable/Sensors shall be utilized and be of a type that has been shown to be successful on other MDOT projects for weigh-in-motion in both asphaltic and portland cement concrete pavements. Kistler Quartz sensor length shall be six (6) feet minimum. Sensors as delivered from manufacturer shall include a shielded transmission cable of sufficient length for a continuous run to the equipment cabinet without splicing. Kistler Quartz Cable/Sensors shall be as those utilized by Mikros RAKTEL 8010 System or latest system as approved by MDOT.

907-688-02.2--Shielded Transmission Cable. Coaxial cable type RG58 C/U shall conform to IMSA 50-2 for polyethylene insulated, polyethylene jacketed cable, AWG #14. Cable shall meet the requirements of Section 636 for the Standard Specifications.

907-688.02.3--Conduit and Pull Boxes. Conduit and pull boxes shall meet the requirements of Sections 647 & 668 of the Standard Specifications.

907-688.02.3.1--Under Roadways. Conduit under the roadway shall be Schedule 80 PVC or coated rigid galvanized steel.

907-688.02.3.2--Other Conduit. Other conduit shall be Schedule 40 PVC, direct buried conduit unless noted otherwise.

907-688.02.3.3--Pull Boxes. Pull boxes shall be size Type 2 and the cover does not require words inscribed on the top.

907-688.02.4--Loop Wire. Loop wire, IMSA 51-3, AWG #14, shall meet the requirements of Subsection 722.03 of the Standard Specifications.

907-688.02.5--Loop Sealant. Loop sealant shall be "Traffic Loop Sealant" as manufactured by 3M Corporation, or approved equal.

907-688.02.6--Sensor Cement. The sensor assembly shall be cemented into the pavement with sand - epoxy grouting of a type recommended by the sensor manufacturer for Traffic Recorder WIM Kistler Systems and with epoxy resin of a type recommended by the sensor manufacturer for Traffic Recorder WIM BL Piezo Systems.

907-688.02.7--Equipment Cabinet. The installation and setup of the equipment cabinet and all its applications must comply with all requirements of the plans. The Contractor will install the equipment cabinet along the highway right of way at a location approved by the Engineer. The equipment cabinet shall utilize a locking door. The housing shall be positioned so that the data collector will be approximately four (4) feet above the ground and mounted on a timber pole meeting the requirements of Subsection 723.08.6 unless an equivalent pole is specified and depicted in the plans. Lightning protection shall be provided for each installation. A 5/8-inch by 12-foot ground rod shall be used with AWG #6 copper conductors. Class B concrete shall be used for equipment cabinet footings.

907-688.03--Construction Requirements. The general layout of the work shall conform to the detail shown on the typical installation plans and shall be verified at each location with the Project Engineer. No hazards, such as open holes on site during construction, shall be left overnight.

All traffic control shall meet the requirements as defined in the most updated Manual on Uniform Traffic Control Devices.

907-688.03.1--Manufacturer's Recommendations. Sensors must be installed in accordance with the approved procedures and specifications provided by the sensor manufacturer. All sensors and connecting cables shall be positioned and installed to assure compatibility with the inductive loops to provide electrical signals for vehicle classification.

907-688.03.2--Conflicts. Conflicts between any piece of equipment, which if installed as shown in relation to any previously installed equipment that may impair the proper operation of that equipment, shall be resolved by the Contractor as approved by the Engineer.

907-688.03.3--Conduit Runs. The number of conductors, conduits and fittings necessary to produce an operative system as specified herein shall be provided. All joints, connections, etc. shall be completely water and moisture tight. Shielded transmission cable and wire leads shall be installed in conduit from paved shoulders to pull boxes.

907-688.03.4--Slots in Pavement. All slots required in pavement and paved shoulders shall be saw cut with diamond blade power saw. Edges shall be straight, smooth and true. Depth shall be uniform.

907-688.03.4.1--Loop Slots. Slots for loop wire shall be ¼-inch minimum width. Slot depth shall be 2½ inches in asphalt and 1½ inches in concrete. Diagonal slots shall be cut at corners by overlapping cuts so that the entire slot intended for wire has full depth. There shall be no jagged edges or protrusions which may damage wire.

907-688.03.4.2--Cable Slots. Slots for cable shall be protected by a foam tube layer below the bitumen protective layer and be 0.32-inch width ($\pm 1/16''$) and 3.15-inch depth for Traffic Recorder WIM Kistler Systems and 3/8-inch width ($\pm 1/16''$) and 2¼-inch depth for Traffic Recorder WIM BL Piezo Systems. To ensure that the slots are full depth, all turns and overlay cuts shall not exceed 45 degrees. There shall be no jagged edges or protrusions which may damage cable. Cable leads from each sensor shall be run in individual saw cut slots at a minimum spacing of 12 inches.

907-688.03.4.3--Sensors Slots. Slots for sensors shall be of the width and depth specified by the sensor manufacturer. Cavity of sensor slots may be made with chisel between saw cut sides, but the bottom shall be smooth and level without protrusions. In overlays of four inches (4'') or less, the slot shall extend to the top of the course below the overlay. Before placing sensor, the slot shall be cleaned with compressed air.

907-688.03.5--Loop Assemblies. Inductive loop assemblies shall meet the requirements of Section 635 of the Standard Specifications.

907-688.03.6--Inspection. Pavement slots shall be inspected at time of sensor and cable installation. Surfaces shall be clean and dry, free of all dust, grit, moisture and other contaminants that might affect sealant or cement bond.

907-688.03.6.1--Sensor Check. Prior to final installation, sensor assembly shall be placed in position in slot and inspected for compliance with manufacturer's requirements as to clearance, surface alignment, etc. Sensor output shall be checked using an oscilloscope or other test equipment recommended by the sensor manufacturer. For Kistler sensors, a Kistler test kit must also be used to ensure each sensor output is within acceptable range per manufacturer recommendation before use.

907-688.03.6.2--Cable Inspection. The cable shall not have any cuts, nicks, abrasions or breaks in the insulation at the time of filling slot with sealant. Any sensor having defects in the shielded transmission cable shall be replaced.

907-688.03.6.3--Loop Inspection. The loop wire shall not have any cuts, nicks, abrasions or breaks in the insulation before or after installation in the slot. Loop inductance shall be 124 microhenries.

907-688.03.7--Sensor Installation. For Traffic Recorder WIM Kistler Systems, approved sand/epoxy grouting shall completely fill the cavity spaces and surround all three sides of the

sensor assembly. To insure that there are no voids under the sensor assembly the sensor shall first be removed after installation inspection, the slot partially filled with epoxy, then the sensor pressed into position and the side cavities filled to the pavement surface before the bottom epoxy has hardened. Sensor installation shall be protected from traffic until sand/epoxy grouting is sufficiently cured. The person(s) performing the installation of the Kistler quartz sensors must be certified by Kistler in the installation procedures of Kistler quartz sensors and must be on the job site at each installation when the quartz sensors are being installed. Certification can be acquired from Kistler as long as a certified Kistler representative is on site to assist during the installation. Details regarding Kistler certification can be acquired through direct communication with Kistler. Any delays in the construction due to the certification process will not be grounds for an extension of the completion date.

For Traffic Recorder WIM BL Piezo Systems, approved epoxy cement shall completely fill the cavity spaces and surround all four sides of the sensor assembly. All excess encapsulant shall be removed from pavement surface and sensor to conduit to prevent damage during installation. Sensor installation shall be protected from traffic until epoxy cement is sufficiently cured.

907-688.03.8--Sleeves. Flexible sleeve or other protection shall be provided for shielded cable at sensor ends to prevent damage. The Contractor shall take care to insure that the sleeve is not filled with epoxy cement. In addition, the Contractor shall provide flexible sleeve, approximately 12 inches long, at pavement construction joints including joints between lanes and between pavement and paved shoulder.

907-688.03.9--Cable and Wire Installation. The cable or lead wires shall be placed in the bottom of the slot so that there are no kinks, curls, straining or stretching of the insulation. The two loop lead wires shall be twisted two to five turns per foot before placement in the slot. Special care shall be taken in seating the cable and wire so that the insulation will not be broken or abraded. No sharp tools such as screwdriver or metal object shall be used for this operation.

907-688.03.9.1--Conditions. The Contractor shall install the sealant in strict adherence to the manufacturer's recommendation and these specifications. No sealant shall be installed during inclement weather or under any condition which might introduce moisture into the pavement slots.

907-688.03.9.2--Sealant. The viscosity of the sealant shall be such that it can be readily placed in the slot, completely surround the wires, displace all air and fill the slot so that the sealant is flush with the roadway surface. The finished installation shall be waterproof and present a neat workmanlike appearance. Minimum required clearance shall be maintained to cable and wire.

907-688.03.9.3--Protection. The sealant shall be sufficiently hardened before opening to traffic.

907-688.03.10--Cleaning. All excess encapsulate and sealant shall be removed from pavement surface, inductive loop, and sensor after installation. A hand grinder shall be used to smooth out rough or high areas that might affect sensor operation.

907-688.03.11--Tags. Each shielded transmission cable and pair of lead wires shall be uniquely identified by an insulated, waterproof tag in every pull box.

907-688.03.12--Trenching and Backfilling. All trenching shall be done by mechanical means and all sides shall be straight and vertical. Width of trenches shall not exceed eight (8) inches on either side of placed conduits. All backfill shall be made with a friable material, which has been approved by the Engineer. Material shall be placed in compacted lifts as approved by the Engineer. The site, including shoulders and grassing, shall be returned to its original condition.

907-688.03.13--Jacking or Boring. Approved jacking or boring methods shall be used where a conduit must be placed under an existing roadway. Jacking/boring pits shall be kept a minimum of five (5) feet from the edge of shoulder, and care shall be taken not to disturb existing pavement. Excessive use of water or other methods which could undermine pavements shall not be permitted. The jacking/boring site must be returned to its undisturbed state upon completion of the operation. Only experienced labor shall be used for jacking/boring work. Conduit shall be not less than 36 inches below pavement surface.

907-688.03.14--Pull Boxes. The location of the pull boxes must be approved by the Project Engineer. Pull boxes shall be set on 12-inch minimum thickness washed gravel. Holes for drainage shall be provided in bottom of pull box. Conduit entering pull box shall be located so as to leave the major portion of the box clear.

907-688.03.15--Conduit. Conduit shall be laid to a depth of not less than 36 inches below the finished grade, except at conduit ends. All conduits shall be run at least 10 feet outside shoulder unless otherwise approved. One size of conduit shall be used for each run; no reducing couplings will be permitted.

907-688.03.16--Conductor Installation. Before placing shielded cable or wire leads in conduit, the conduit shall be cleaned with compressed air and rigid metal conduit shall be cleaned with a mandrel. Only approved lubricants which will not injure conductor insulation while pulling cables shall be used.

Loop splices shall be made in pull boxes only, soldered, and sealed in an inline resin splice kit. An insulation equal in rating and thickness to the conductor insulation shall be provided.

907-688.03.17--System Acceptance. The Contractor shall be required to demonstrate to the Engineer the satisfactory operation of each device installed on this project.

Calibration. The Contractor shall be required to perform calibration on Traffic Recorder WIM Systems as to conform to the below Planning Division WIM calibration standards. The Contractor/Subcontractor must have a representative from the vendor or manufacturer who is knowledgeable of the system to make necessary adjustments to the system during calibration. The Contractor must provide an air ride suspension truck and flatbed trailer (18-wheeler weighing approximately 75,000 to 80,000 pounds) along with a driver who is an insured motor carrier for the calibration. Ten (10) consecutive passes at the same consistent speed ranging between 50 mph to 60 mph over the sensors without any adjustments to meet the tolerance level are required per lane. Each pass over the sensors must be at a constant speed without deceleration or acceleration. The tolerance level must meet 95% probability of conformity for the functional performance requirements for WIM systems for MDOT and be within $\pm 10\%$ for

the steering weight, $\pm 15\%$ for the truck tandem, $\pm 15\%$ for the trailer tandem, and ± 7 for the gross weight. An MDOT representative will be present during the calibration to determine if the tolerance level is met. Calibration shall take place one (1) week after the installation of the BL Piezo sensors and two (2) weeks after the installation of the Kistler sensors as recommended in the Kistler Installation Instructions Manual.

907-688.03.18--Material Warranty. The following warranty stipulations are in addition to those covered by Subsection 106.01 of the Standard Specifications.

907-688.03.18.1--Site Inspection. After meeting the consecutive polling requirement, a site inspection may be made upon completion of an individual site but must be made before the final inspection of the project.

The Contractor, with MDOT's representatives present to verify that the site is working properly, shall test all Traffic Recorder WIM Systems.

Sensors, loops and related components at all sites shall be operational at the final inspection of the project.

Consecutive Polling. All Traffic Recorder WIM Systems shall have polled without any problems for at least 10 consecutive days and data for each day must pass quality control and quality assurance checks prior to site inspection.

907-688.03.18.2--Guarantee. At each location, the Contractor shall warrant and guarantee all sensors, loops and related components for a period of 12 months, beginning at the date of release from maintenance, or partial release from maintenance, of the project.

907-688.03.18.3--Responsibility. It is the intent of the preceding paragraph to provide for equipment that performs as intended by the manufacturer. It is the further intent to obtain from the Contractor a level of workmanship that will assure the Department of an operation system devoid of Contractor laxities. Failure to perform as indicated shall require the Contractor to replace in kind or repair, at the Contractor's option, the equipment or workmanship in question. All material and labor cost resulting from the replacement or repair of equipment or correction of poor workmanship shall be at no additional costs to the Department.

907-688.03.18.4--Repairs. The Department shall report any failures and outages to the Contractor. The Contractor will be required to make the necessary repairs within 10 business days of the report. The Contractor shall not be responsible for outages occurring during the 12-month warranty period due to vandalism, traffic accidents, or any problems not related to materials or workmanship. The Contractor will be required to make the necessary repairs for such outages and a reasonable cost for such repair(s) will be borne by the Department.

907-688.03.18.5--Manufacturer's Guarantees. All manufacturer's standard warranties or guarantees for all electrical and mechanical equipment which are provided as customary trade practice shall be made out to the Department and shall begin simultaneously with the commencement of the 12-month warranty period.

907-688.03.18.6--Guarantee of Repairs. This warrantee and guarantee on the fixed or replaced items shall be identical in scope to the warrantee and guarantee in Subsections 907-688.03.18.1 through 907-688.03.18.5.

907-688.04--Method of Measurement. Traffic Recorder WIM system of the type specified, complete in place and accepted, will be measured per each location.

907-688.05--Basis of Payment. Traffic Recorder WIM system, measured as prescribed above, will be paid for at the contract unit price per each, which price shall be full compensation for furnishing, installing, testing and guaranteeing all equipment, and for all materials, labor, equipment, operation, and other incidentals necessary to complete the work.

Payment will be made under:

907-688-A: Traffic Recorder WIM Kistler System, * - per each

907-688-B: Traffic Recorder WIM Brass Linguini (BL) Piezo System, * - per each

* Site No. or Location may be specified

Section 905
 Proposal (Sheet 2 - 1)

IM-0055-01(100) / 104525301
 Pike County

Mill and Overlay 7.6 miles of I-55 from the Louisiana State Line to SR 568, known as Federal Aid Project No. IM-0055-01(100) / 104525301 in Pike County.

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
Roadway Items									
0010	201-D002		1	Acre	Random Clearing				
0020	202-B041		648	Linear Feet	Removal of Fence, All Types				
0030	202-B053		2,100	Linear Feet	Removal of Guard Rail Including Post, Blockouts & Hardware				
0040	202-B076		2,540	Linear Feet	Removal of Traffic Stripe				
0050	203-G004 (E)		971	Cubic Yard	Excess Excavation, LVM, AH				
0060	406-A001		394,747	Square Yard	Cold Milling of Bituminous Pavement, All Depths				
0070	423-A001		31	Mile	Rumble Strips, Grouad In				
0080	606-B001		1,813	Linear Feet	Guard Rail, Class A, Type 1				

Line No.	Item Code	Adj Code	Quantity	Units	Description	Unit Price	Bid Amount
0090	606-B008		25	Linear Feet	Guard Rail, Class A, Type 1, Thrie Beam		
0100	606-B011		13	Linear Feet	Guard Rail, Class A, Type 1, Thrie Beam, Transition Section		
0110	606-C003		3	Each	Guard Rail, Cable Anchor, Type 1		
0120	606-D001		8	Each	Guard Rail, Bridge End Section, Type A		
0130	606-E002		2	Each	Guard Rail, Terminal End Section, Flared		
0140	606-E003		9	Each	Guard Rail, Terminal End Section, Non-Flared		
0150	606-F002		8	Each	Special Sections, Guard Rail Bridge End Connector		
0160	607-A001		648	Linear Feet	31.5" Type "A" Woven Wire Fence, w/ Barbed Wire as Shown		
0170	607-E001		1,008	Linear Feet	Barbed Wire Fence, Single Strand		
0180	607-P033		28	Each	Brace Post, 12' x 4" x 6" Timber		
0190	607-P2003		2	Each	Brace Post, 12' x 6" Timber		
0200	618-A001		1	Lump Sum	Maintenance of Traffic	XXXXXXXXXX	XXXX

Section 905
 Proposal (Sheet 2 - 3)

IM-0055-01(100) / 104525301
 Pike County

Line No.	Item Code	Adj Code	Quantity	Units	Description	Unit Price	Bid Amount
0210	619-A1002		38	Mile	Temporary Traffic Stripe, Continuous White		
0220	619-A2002		39	Mile	Temporary Traffic Stripe, Continuous Yellow		
0230	619-A3006		31	Mile	Temporary Traffic Stripe, Skip White		
0240	619-A5001		45,300	Linear Feet	Temporary Traffic Stripe, Detail		
0250	619-A6001		1,280	Linear Feet	Temporary Traffic Stripe, Legend		
0260	619-D1001		80	Square Feet	Standard Roadside Construction Signs, Less than 10 Square Feet		
0270	619-D2001 Changed 01/13/2012		712	Square Feet	Standard Roadside Construction Signs, 10 Square Feet or More		
0280	619-G4001		48	Linear Feet	Barricades, Type III, Single Faced		
0290	620-A001		1	Lump Sum	Mobilization	XXXXXXXXXX XXXX	
0300	627-K001		2,193	Each	Red-Clear Reflective High Performance Raised Markers		
0310	627-L001		49	Each	Two-Way Yellow Reflective High Performance Raised Markers		
0320	630-F001		625	Each	Delineators, Guard Rail, White		

Section 905
Proposal (Sheet 2 - 4)

IM-0055-01(100) / 104525301
Pike County

Line No.	Item Code	Adj Code	Quantity	Units	Description	Unit Price	Bid Amount
0330	630-F002		434	Each	Delineators, Guard Rail, Yellow		
0340	630-F006		133	Each	Delineators, Post Mounted, Single White		
0350	630-F007		56	Each	Delineators, Post Mounted, Single Yellow		
0360	630-F008		223	Each	Delineators, Post Mounted, Double White		
0370	630-F009		87	Each	Delineators, Post Mounted, Double Yellow		
0380	907-258-PP024		2	Each	Speed Hump		
0390	907-304-A003 (GY)		1,870	Cubic Yard	Granular Material, LVM, Class 6, Group D		
0400	907-402-A002 (BA1)		14,420	Ton	Hot Mix Asphalt, Open Graded Friction Course, 9.5mm Mixture		
0410	907-402-B001 (A3)		19,663	Gallon	Bituminous Tack Coat		
0420	907-403-AA001(BA1)		23,725	Ton	Stone Matrix Asphalt, 9.5 mm Mixture		
0430	907-403-S004 Changed 01/13/2012		31	Mile	Joint Sealant		
0440	907-407-A001 (A2)		38,704	Gallon	Asphalt for Tack Coat		

Section 905
 Proposal (Sheet 2 - 5)

IM-0055-01(100) / 104525301
 Pike County

Line No.	Item Code	Adj Code	Quantity	Units	Description	Unit Price	Bid Amount
0450	907-606-PP001		2,351	Each	Remove and Replace Guard Rail Blockouts		
0460	907-606-R002		7	Each	Repair of Terminal End Section		
0470	907-626-A003		16	Mile	6" Thermoplastic Traffic Stripe, Skip White		
0480	907-626-C004		21	Mile	6" Thermoplastic Edge Stripe, Continuous White		
0490	907-626-E003		6,370	Linear Feet	6" Thermoplastic Traffic Stripe, Continuous Yellow		
0500	907-626-F004		18	Mile	6" Thermoplastic Edge Stripe, Continuous Yellow		
0510	907-626-G001		400	Linear Feet	Thermoplastic Detail Stripe, Blue-ADA		
0520	907-626-G004		22,650	Linear Feet	Thermoplastic Detail Stripe, White		
0530	907-626-H002		4	Each	Thermoplastic Legend, Blue-ADA Handicap Symbol		
0540	907-626-H004		640	Linear Feet	Thermoplastic Legend, White		
0545	907-688-A033		1	Each	Traffic Recorder WIM Kistler System, 4-Lane		
Added 01/13/2012							
ALTERNATE GROUP AA NUMBER 1							

Section 905
 Proposal (Sheet 2 - 6)

IM-0055-01(100) / 104525301
 Pike County

Line No.	Item Code	Adj Code	Quantity	Units	Description	Unit Price	Bid Amount
0550	907-403-A015	(BA1)	12,382	Ton	Hot Mix Asphalt, ST, 9.5-mm mixture		
ALTERNATE GROUP AA NUMBER 2							
0560	907-403-M001	(BA1)	12,382	Ton	Warm Mix Asphalt, ST, 9.5-mm mixture		

*** BID CERTIFICATION ***

TOTAL BID.....\$_____

*** DBE/WBE SECTION ***

Complete item nos. 1, 2, and/or 3 as appropriate. See Notice to Bidders addressing Disadvantaged Business Enterprises in Highway Construction.

1. I/We agree that no less than _____ percent shall be expended with small business concerns owned and controlled by socially and economically disadvantaged individuals (DBE and WBE).
2. Classification of Bidder: Small Business (DBE) _____ Small Business (WBE) _____
3. A joint venture with a Small Business (DBE/WBE): _____

*** 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