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	8/17/2009	ADDENDUM NO.		DATED	
ADDENDUM NO		DATED		ADDENDUM NO.		DATED	

Number	Description
1	Revised Table of Contents; Revised Notice to Bidders No. 1187M; Added Notice to Bidders Nos. 1208M, 1209M, 1210M & 1211M; Deleted Special Provision 907-108-11M; Deleted Special Provision 907-213-3M; Added Special Provision 907-225-3M W/Supplement; Added Special Provision 907-226-1M; Replaced Special Provision 907-304-15M with Special Provision 907-304-16M; Deleted Special Provision 907-410-3M; Added Special Provision 907-619-12M; Replaced Special Provision 907-703-7M with Special Provision 907-703-8M; Revised Bid Sheets; Revised Plan Sheet Nos. 2, 3, 4, 14, 17, 18, 19, 20, 20.1, 24, 27, 29, 29.1, 30, 31, 32, 33, 34, 35, 36, 41, 48, 72, 72.01, 72.02, 72.03, 72.04, 72.05, 72.06, 72.1, 77, 78, 100.53, 100.73 & 100.74; 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.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

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(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. 1187M

DATE: AUGUST 17, 2009

SUBJECT: Specialty Items

PROJECT: STP-2920-00(001) / 100285301 - Tate 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: CURBING, SIDEWALKS, GUTTERS

Line No	Pay Item	Description
0590	609-D006	Combination Concrete Curb and Gutter Type 1 Modified
0600	609-D007	Combination Concrete Curb and Gutter Type 2 Modified

CATEGORY: EROSION CONTROL

Line No	Pay Item	Description
0170	213-C001	Superphosphate
0260	216-A001	Solid Sodding
0270	219-A001	Watering
0280	220-A001	Insect Pest Control
0300	235-A001	Temporary Erosion Checks
0310	239-A001	Temporary Slope Drains
0920	907-217-A001	Ditch Liner
0931	907-225-A001	Grassing
0932	907-225-B001	Agricultural Limestone
0934	907-226-A002	Temporary Grassing
0940	907-234-A002	Temporary Silt Fence

CATEGORY: FENCE, GATES

Line No	Pay Item	Description
1040	907-607-P1002	Line Posts 1500-mm x DN 40 Galvanized Steel, Black
1050	907-607-P1003	Line Posts 1500-mm x DN 50 Galvanized Steel, Black
1060	907-607-P2002	Brace Posts 3000-mm x DN 50 Galvanized Steel, Black

CATEGORY: LANDSCAPING

Line No	Pay Item	Description
0930	907-223-A001	Mowing

CATEGORY: PAVEMENT STRIPING AND MARKING

Line No	Pay Item	Description
1170	907-626-AA003	150-mm Thermoplastic Traffic Stripe (Skip White) (2.25-mm min)

CATEGORY: PAVEMENT STRIPING AND MARKING

Line No	Pay Item	Description
1180	907-626-BB003	150-mm Thermoplastic Traffic Stripe (Continuous White) (2.25-mm min)
1190	907-626-CC003	150-mm Thermoplastic Edge Stripe (Continuous White) (1.50-mm min)
1200	907-626-DD001	150-mm Thermoplastic Traffic Stripe (Skip Yellow)(2.25-mm min.)
1210	907-626-EE004	150-mm Thermoplastic Traffic Stripe (Continuous Yellow) (2.25-mm min)
1220	907-626-GG001	Thermoplastic Detail Stripe (150-mm Equivalent Length)(White)(2.25-mm min.)
1230	907-626-GG001	Thermoplastic Detail Stripe (150-mm Equivalent Length)(White)(2.25-mm min.)
1240	907-626-HH004	Thermoplastic Legend (White) (3.00-mm min)
1250	907-626-HH005	Thermoplastic Legend (White) (3.00-mm min)
1260	907-627-K001	Red-Clear Reflective High Performance Raised Markers
1270	907-627-L001	Two-Way Yellow Reflective High Performance Raised Markers

CATEGORY: SURVEY AND STAKING

Line No	Pay Item	Description
1070	907-617-A001	Right-of-Way Markers (Type I)
1350	907-699-A001	Roadway Construction Stakes

CATEGORY: TRAFFIC CONTROL - PERMANENT

Line No	Pay Item	Description
0750	630-A001	Standard Roadside Signs (Sheet Aluminum, 2.03-mm Thickness)
0760	630-A002	Standard Roadside Signs (Sheet Aluminum, 3.18-mm Thickness)
0770	630-B001	Interstate Directional Signs (Bolted Extruded Aluminum Panels, Ground Mounted)
0780	630-C002	Steel U-Section Posts (2.97 to 3.72 kg/m)
0790	630-C004	Steel U-Section Posts (4.46 to 5.20 kg/m)
0800	630-D003	Structural Steel Beams (W150 x 18)
0810	630-E001	Structural Steel Angles & Bars (75 mm x 75 mm x 6 mm Angles)
0820	630-E006	Structural Steel Angles & Bars (11 mm x 65 mm Flat Bars)
0830	630-K001	Welded & Seamless Steel Pipe Posts (DN 75)
0840	630-K002	Welded & Seamless Steel Pipe Posts (DN 90)
0850	630-K003	Welded & Seamless Steel Pipe Posts (DN 100)
1280	907-640-B001	Traffic Signal Heads (Type 1) LED
1290	907-640-B006	Traffic Signal Heads (Type 7) LED
1300	907-640-B008	Traffic Signal Heads (Type 6) LED (Countdown)
1310	907-643-A001	Closed Loop On-Street Master System
1320	907-648-A001	Radio Interconnect (Installed in New Controller Cabinet)
1330	907-668-E001	Traffic Signal Conduit (Underground Drilled or Jacked), Rolled Pipe, (25 mm)
1340	907-668-E003	Traffic Signal Conduit (Underground Drilled or Jacked), Rolled Pipe, (75 mm)
1390	908-635-A001	Vehicle Loop Assemblies
1400	908-636-A003	Shielded Cable (18 AWG) (4 Conductor)
1410	908-638-A006	Loop Detector Amplifier, Card Rack Mounted (4 Channel)
1420	908-639-A172	Traffic Signal Equipment Pole (Type II) (5.8-m Shaft) (10.7-m Arm)
1430	908-639-A173	Traffic Signal Equipment Pole (Type II) (5.8-m Shaft) (12.2-m Arm)
1440	908-639-A174	Traffic Signal Equipment Pole (Type II) (5.8-m Shaft) (13.7-m Arm)
1450	908-639-A175	Traffic Signal Equipment Pole (Type II) (5.8-m Shaft) (15.2-m Arm)

CATEGORY: TRAFFIC CONTROL - PERMANENT

Line No	Pay Item	Description
1460	908-639-A176	Traffic Signal Equipment Pole (Type II) (5.8-m Shaft) (16.8-m Arm)
1470	908-642-A007	Solid State Traffic Actuated Controllers (Type 8A)
1480	908-647-A001	Pullbox (Type 1)
1490	908-647-A002	Pullboxes (Type 2)
1500	908-666-B017	Electric Cable (Underground in Conduit)(IMSA 20-1)(AWG 14), 5 Conductor
1510	908-666-B018	Electric Cable (Underground in Conduit)(IMSA 20-1)(AWG 14), 7 Conductor
1520	908-666-B034	Electric Cable (Underground in Conduit) (THHN) (AWG #6) (2 Conductor)
1530	908-666-D012	Electric Cable (Aerial Supported in Conduit)(IMSA 20-1)(AWG 14), 7 Conductor
1540	908-668-A013	Traffic Signal Conduit (Underground) (Type IV) (DN 25)
1550	908-668-A016	Traffic Signal Conduit (Underground) (Type IV) (DN 50)
1560	908-668-A018	Traffic Signal Conduit (Underground) (Type IV) (DN 75)

CATEGORY: TRAFFIC CONTROL - TEMPORARY

Line No	Pay Item	Description
0650	619-D1001	Standard Roadside Construction Signs (less than 0.9 square meter)
0660	619-D2001	Standard Roadside Construction Signs (0.9 square meter or more)
0670	619-D3001	Remove and Reset Signs (All Sizes)
0680	619-D4001	Directional Signs
0690	619-F1001	Concrete Median Barrier (Precast)
0700	619-G4001	Barricades (Type III) (Single Faced)
0710	619-G4005	Barricades (Type III) (Double Faced)
0720	619-G5001	Free Standing Plastic Drums
0730	619-G7001	Warning Lights (Type "B")
1080	907-619-A1005	Temporary Traffic Stripe (Continuous White) (Paint)
1090	907-619-A2005	Temporary Traffic Stripe (Continuous Yellow) (Paint)
1100	907-619-A3001	Temporary Traffic Stripe (Skip White) (Paint)
1110	907-619-A4001	Temporary Traffic Stripe (Skip Yellow) (Paint)
1120	907-619-A5001	Temporary Traffic Stripe (Detail) (Paint)
1130	907-619-A6001	Temporary Traffic Stripe (Legend) (Paint)
1140	907-619-A6005	Temporary Traffic Stripe (Legend) (Paint)
1150	907-619-C6001	Red-Clear Reflective High Performance Raised Marker
1160	907-619-C7001	Two-Way Yellow Reflective High Performance Raised Marker
1165	907-619-E3001	Changeable Message Sign

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904- NOTICE TO BIDDERS NO. 1208M **CODE: (SP)**

DATE: **August 13, 2009**

SUBJECT: **Contract Time Determination**

PROJECT: **STP-2920-00 (001)/ 100285301 – Tate County**

The contract schedule completion date established by the Department is based upon the contractor having multiple grading, bridge, and asphalt operations underway simultaneously. Multiple operations should be underway in areas that are available and that does not conflict with lane closure limits, restrictions, and project plans.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904- NOTICE TO BIDDERS NO. 1209M **CODE: (SP)**

DATE: **08/13/2009**

SUBJECT: **Precast Drainage Units**

PROJECT: **STP-2920-00 (001)/ 100285301 – Tate County**

The Contractor is hereby advised that precast drainage units will be required for the road construction that is to take place on SR 4, other locations do not require precast units. A list of locations that require precast units are as follows:

1.) +/- Station 7+112 LT Hwy 51 (JB-2 req'd)
2.) +/- Station 7+113 RT Hwy 51 (JB-2 req'd)
3.) +/- Station 10+025.82 RT SR 4 (JB-2 req'd)
4.) +/- Station 10+086.58 RT SR 4 (JB-2 req'd)
5.) +/- Station 10+125.00 RT SR 4 (JB-2 req'd)

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904- NOTICE TO BIDDERS NO. 1210M **CODE: (SP)**

DATE: 08/13/2009

SUBJECT: Property Access

PROJECT: STP-2920-00 (001)/ 100285301 – Tate County

The Contractor is hereby advised that full access to the property at the Graeber Brothers (Affiliate of Inergy Propane, LLC) 5468 Highway 51 N. is to be in effect during the peak gas months of September 1 through March 1. Full Access to the property and all adjoining properties should remain during these months, including the bridge to the adjoining project at Sta. 7+685 RT. During off peak months, limited access can be provided with a one (1) notice to the business owner. At no time should the business's primary entrance be shut down.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904- NOTICE TO BIDDERS NO. 1211M **CODE: (SP)**

DATE: 08/13/2009

SUBJECT: Road Closure Restrictions

PROJECT: STP-2920-00 (001)/ 100285301 – Tate County

Bidders are hereby advised that road closure and work restrictions on the above captioned project shall be as follows:

Closure on SR 4

Road closure will only be allowed between the weekend hours, Friday 6:00 PM through Sunday 6:00 PM. Detour must be established before the road closure.

No exceptions to the above requirements will be allowed unless specifically approved by the Engineer.

No Road closures will be permitted on the following holidays or the day preceding them: New Year's Day, Independence Day, Labor Day, Thanksgiving Day or Christmas Day. In the event that one of the above mentioned holidays falls during the weekend or on a Monday, no road closure will be allowed during that weekend or the Friday immediately preceding that holiday.

If the road closure restriction listed above is violated, no excuses will be accepted by the Department and the Contractor will be charged a fee of $500.00 for each full or partial five minute period during which less than the presently available travel lanes are available to the traveling public.

For the purposes of this contract, official time shall be the announced time available at Southaven area telephone number (662) 895-5527.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SUPPLEMENT TO SPECIAL PROVISION NO. 907-225-3M

DATE: 04/29/2008

SUBJECT: Grassing

Delete the second paragraph of Subsection 907-225.05 on page 5 and substitute the following:

Hard rock agricultural limestone will be paid for at the contract unit price per metric ton. Hard rock agricultural limestone with a relative neutralizing value (RNV), determined in accordance with Subsection 907-715-02.2.1.3, of between 60.0% and 62.9% will be paid for at half (½) the contract unit price per metric ton. No payment will be made for hard rock agricultural limestone with an RNV less than 60.0%.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-225-3M **CODE: (IS)**

DATE: 09/23/2004

SUBJECT: Grassing

Section 907-225, Grassing, is hereby added to the 1996 Metric Edition of the Mississippi Standard Specifications for Road and Bridge Construction as follows:

SECTION 907-225 - GRASSING

907-225.0l--Description. This work consists of furnishing, transporting, placing, plant establishment and all work necessary to produce a satisfactory and acceptable growth of grass. This work includes ground preparation, fertilizing, seeding and mulching necessary to establish a satisfactory growth of grass.

Ground preparation, light or standard, consists of plowing, loosening, and pulverizing the soil to form suitable beds for erosion control items in reasonably close conformity with the established lines and grades without appreciable humps or depressions.

Fertilizing work consists of furnishing, transporting, spreading, and incorporating fertilizers.

Seeding consists of furnishing and planting seeds in a prepared seedbed; covering the seeds and compacting the seedbed; and providing plant establishment on all areas seeded. All the work shall be in accordance with the plans and these specifications.

Mulching consists of furnishing, transporting, placing, and anchoring vegetative mulch on slopes, shoulders, medians, and other designated areas.

907-225.02--Materials.

907-225.02.1--Fertilizers. Fertilizers for purposes of these specifications shall be understood to include standard manufactured products consisting of single or combination ingredients and agricultural limestone.

All fertilizer shall comply with the State fertilizer laws and the requirements of these specifications.

Fertilizers shall meet the requirements of Subsection 715.02.

907-225.02.2--Seeds. Seeds shall meet the requirements of Subsection 715.03, subject to the provisions of this subsection. The Contractor shall acquire seed from persons registered with the Mississippi Department of Agriculture and Commerce.

Except for the germination requirements, bags of seeds properly labeled or tagged according to law and indicating characteristics meeting or exceeding the requirements of Subsection 715.03 will be acceptable for planting.

The Contractor should provide adequate dry storage facilities for seeds, and shall furnish access to the storage for sampling stored seed.

907-225.02.3--Mulching. The vegetative materials for mulch shall meet the requirements of 715.05.

Bituminous material for mulch shall be Emulsified Asphalt, Grade SS-1, meeting the requirement of Subsection 702.07.

907-225.03--Construction Requirements.

907-225.03.1--Ground Preparation.

907-225.03.1.1--General. Any equipment used for ground preparation shall be approved units suitable to perform the work and subject to the requirements of 108.05.

The Contractor shall take full advantage of weather and soil conditions, and no attempt shall be made to prepare soil when it is wet or in an otherwise non-tillable condition.

Light ground preparation should be used on areas where seeding is required to improve the coverage of partially vegetated areas.

Standard ground preparation should be used on areas designated to be solid sodded and unvegetated areas designated to be seeded.

907-225.03.1.2--Light Ground Preparation. Light ground preparation consists of scratching the surface with a close-tooth harrow, disk-harrow, or similar equipment. The depth of scratching should be at least 20 millimeters but not deep enough to damage existing grasses of the type being planted.

907-225.03.1.3--Standard Ground Preparation. Standard ground preparation consists of plowing or disk-harrowing and thoroughly pulverizing the areas immediately before the application of erosion control (vegetative) items. Unless otherwise specified, the pulverized and prepared seedbed should be at least 100 millimeters deep and shall be reasonably free of large clods, earthballs, boulders, stumps, roots and other objectionable matter. Incorporation of fertilizer and ground preparation may be performed simultaneously.

Aerating, moistening, or otherwise bringing the soil to a suitable condition for ground preparation shall be considered as incidental to the work and will not be measured for separate payment.

907-225.03.2--Fertilizing. The Contractor shall furnish all equipment necessary to properly handle, store, uniformly spread, and incorporate the specified application of fertilizer.

Unless otherwise approved by the Engineer, the Contractor shall incorporate bag fertilizer at a rate of one (1) metric ton per hectare of 13-13-13 commercial fertilizer. The equivalent rate of other type fertilizers will be allowed if the equivalent percentages of Nitrogen, Phosphorus and Potassium are obtained. The Contractor shall incorporate agricultural limestone at a rate of 5600 kilograms per hectare. Fertilization shall be applied uniformly on the areas to be planted or seeded and uniformly incorporated into the soil.

Fertilizers should be applied on individual areas of not more than three acres.

All fertilizer should be incorporated within 24 hours following spreading.

907-225.03.3--Seeding.

907-225.03.3.1--General. Prior to planting the seeds, ground preparation and fertilizing should have been satisfactorily performed.

Seeding may be required for temporary protection or for establishment of permanent ground cover. The plans will indicate temporary seeding.

The required type of seeds, minimum rates of application and planting dates of seeds are shown in the vegetation schedule on the plans. It is the Contractor's responsibility to apply an ample amount of each type of seed to produce a satisfactory growth of grass and of the seed type required. At the completion of the project, a satisfactory growth of grass will be required. Reference Subsection 210 for satisfactory growth and coverage of dormant seed.

Legume seeds should be treated in accordance with Subsection 715.03.4 immediately before sowing. Seeds should be uniformly sown over the entire area with mechanical seeders. Seeds of different sizes may necessitate separate sowing. When legume seeds become dry, they should be reinoculated.

Seeding should not be done during windy weather or when the ground is frozen, extremely wet, or in an untillable condition.

All seeds should be covered lightly with soil by raking, rolling, or other approved methods, and the area compacted with a cultipacker.

Mulching should be performed as soon as practicable.

907-225.03.3.2--Plant Establishment.. The Contractor should provide plant establishment on all areas seeded until release of maintenance.

Plant establishment should be provided for a minimum period of 45 calendar days after completion of seeding. In the event satisfactory growth and coverage has not been attained by the end of the 45-day period, plant establishment should be continued until a satisfactory growth and coverage is provided for at least one kind of plant (reference is made to Section 210). The Contractor shall perform plant establishment on all areas of temporary seeding until the Engineer determines that the temporary seeding has served its purpose.

Plant establishment shall consist of preserving, protecting, watering, reseeding, mowing, and other work necessary to keep the seeded areas in satisfactory condition.

Areas requiring reseeding should be prepared and seeded and all other work performed as if the reseeding was the initial seeding. The types and application rates of fertilizer will be at the discretion of the Contractor.

907-225.03.3.3--Growth and Coverage. It shall be the Contractor's responsibility to provide satisfactory growth and coverage of grasses, legumes, or combination produced from the specified seeding.

Growth and coverage on seeded areas will be considered to be in reasonably close conformity with the intent of the contract when the type of vegetation specified, exclusive of that from seeds not expected to have germinated and shows growth at that time, has reached a point of maturity where stems or runners overlap adjacent similar growth in each direction over the entire area.

907-225.03.4--Mulching.

907-225.03.4.1--Equipment. Mulching equipment should be capable of maintaining a constant air stream which will blow or eject controlled quantities of mulch in a uniform pattern. If asphalt is used, a jet or spray nozzle for applying uniform, controlled amounts of asphalt to the vegetative material as it is ejected should be located at or near the discharge spout.

Mulch stabilizers should consist of dull blades or disks without camber and approximately 500 millimeters in diameter. The disks should be notched, should be spaced at approximately 200-millimeter intervals, and should be equipped with scrapers. The stabilizer should have a mass of approximately 450 to 550 kilograms, should have a working width of no more than 2.5 meters, and should be equipped with a ballast compartment, so that mass can be increased.

907-225.03.4.2--Placement of Vegetative Mulch. Mulching should be placed uniformly on designated areas within 24 hours following seeding unless weather conditions are such that mulching cannot be performed. Placement should begin on the windward side of areas and from tops of slopes. In its final position, the mulch should be loose enough to allow air to circulate but compact enough to partially shade the ground and reduce erosion.

The baled material should be loosened and broken thoroughly before it is fed into the machine to avoid placement of unbroken clumps.

907-225.03.4.3--Rates of Application and Anchoring Mulch. The Contractor will designate the rate of application of vegetative mulch. The mulch should be anchored by either the use of a mulch stabilizer or by tacking with bituminous material. If a mulch stabilizer is used, the mulch should be punched into the soil for a minimum depth of 25 millimeters. If bituminous material is used, the rate of application should be 1400 liters per hectare.

Where steep slopes or other conditions are such that anchoring cannot be performed satisfactory with a mulch stabilizer, the Contractor may elect to use bituminous material applied at the time or immediately following the mulch placement.

When mulch stabilizers are used, anchoring the mulch should be performed along the contour of the ground surface.

907-225.03.4.4--Protection and Maintenance. The Contractor should maintain and protect mulched areas until release of maintenance of the project. The Contractor should take every precaution to prevent unnecessary foot and vehicular traffic.

The Contractor should mow or otherwise remove or destroy any undesirable growth on all areas mulched to prevent competition with the desired plants and to prevent reseeding of undesirable growth.

907-225.04--Method of Measurement. Grassing, complete and accepted, will be measured by the hectare. Acceptance will be based on a satisfactory growth and coverage of seeds planted.

Acceptable quantities of agricultural limestone will be measured by the metric ton.

907-225.05--Basis of Payment. Grassing, measured as prescribed above, will be paid for at the contract unit price per hectare, which will be full compensation for all required materials, equipment, labor, testing and all work necessary to establish a satisfactory growth of grass.

Agricultural limestone will be paid for at the contract unit price per metric ton. Grade "A" agricultural limestone with an equivalent neutralizing value (ENV), determined in accordance with Subsection 907-715-02.2.1.3 of between 60.0% and 62.9% will be paid for at half (½) the contract unit price per ton. No payment will be made for Grade "A" agricultural limestone with an ENV less than 60.0%.

Payment will be made under:

907-225-A: Grassing - per hectare

907-225-B: Agricultural Limestone - per metric ton

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-226-1M **CODE: (IS)**

DATE: 06/23/2004

SUBJECT: Temporary Grassing

Section 907-226, Temporary Grassing, is hereby added to and made part of the 1996 Metric Edition of the Mississippi Standard Specifications for Road and Bridge Construction as follows:

SECTION 907-226 -- TEMPORARY GRASSING

907-226.0l--Description. This work consists of furnishing, transporting, placing, plant establishment and all work necessary to produce rapid-growing grasses, grains or legumes to provide an initial, temporary cover of grass. This work includes ground preparation, fertilizing, seeding and mulching necessary to establish a satisfactory growth of temporary grass.

The Engineer or the plans will designate areas to be temporarily grassed. Any other areas the Contractor desires to grass will be measured for payment on if agreed upon by the Engineer.

907-226.02--Materials.

907-226.02.1--Fertilizers. Fertilizers for purposes of these specifications shall be understood to include standard manufactured products consisting of single or combination ingredients and agricultural limestone.

All fertilizer shall comply with the State fertilizer laws and the requirements of these specifications.

Fertilizers shall meet the requirements of Subsection 715.02.

907-226.02.2--Seeds. Seeds shall meet the requirements of Subsection 715.03, subject to the provisions of this subsection. The Contractor shall acquire seed from persons registered with the Mississippi Department of Agriculture and Commerce.

Except for the germination requirements, bags of seeds properly labeled or tagged according to law and indicating characteristics meeting or exceeding the requirements of Subsection 715.03 will be acceptable for planting.

The Contractor should provide adequate dry storage facilities for seeds, and shall furnish access to the storage for sampling stored seed.

907-226.02.3--Mulching. The vegetative materials for mulch shall meet the requirements of Subsection 715.05.

When used, bituminous material for mulch shall be Emulsified Asphalt, Grade SS-1, meeting the requirement of Subsection 702.07.

907-226.03--Construction Requirements. When the payment for temporary grassing is made using individual pay items, the rate of application shall not exceed the rate shown on the temporary vegetation schedule, unless otherwise approved by the Engineer. Any unauthorized overage due to increased application rates will not be measured for payment.

907-226.03.1--Ground Preparation.

907-226.03.1.1--General. Any equipment used for ground preparation shall be approved units suitable to perform the work and subject to the requirements of Subsection 108.05.

Light ground preparation should be used on areas where seeding is required to improve the coverage of partially vegetated areas.

907-226.03.1.2--Light Ground Preparation. Light ground preparation consists of scratching the surface with a close-tooth harrow, disk-harrow, or similar equipment. The depth of scratching should be at least three-quarters inch but not deep enough to damage existing grasses of the type being planted.

Aerating, moistening, or otherwise bringing the soil to a suitable condition for ground preparation shall be considered as incidental to the work and will not be measured for separate payment.

907-226.03.2--Fertilizing. The Contractor shall furnish all equipment necessary to properly handle, store, uniformly spread, and incorporate the specified application of fertilizer.

The Contractor shall incorporate fertilizer at a rate of 500 kilograms per hectare of 13-13-13 commercial fertilizer. The equivalent rate of other type fertilizers will be allowed if the equivalent percentages of Nitrogen, Phosphorus and Potassium are obtained. Fertilization shall be applied uniformly on the areas to be planted or seeded and uniformly incorporated into the soil.

Fertilizers should be applied on individual areas of not more than three acres.

All fertilizer should be incorporated within 24 hours following spreading.

907-226.03.3--Seeding.

907-226.03.3.1--General. Prior to planting the seeds, ground preparation and fertilizing should have been satisfactorily performed.

The required type of seeds, recommended rates of application and recommended planting dates of seeds are shown in the vegetation schedule on the plans. It is the Contractor's responsibility to apply an ample amount of each type of seed to produce a satisfactory growth of grass and of the seed type required.

Legume seeds should be treated in accordance with Subsection 715.03.4 immediately before sowing. Seeds should be uniformly sown over the entire area with mechanical seeders. Seeds of different sizes may necessitate separate sowing. When legume seeds become dry, they should be reinoculated.

Seeding should not be done during windy weather or when the ground is frozen, extremely wet, or in an untillable condition.

All seeds should be covered lightly with soil by raking, rolling, or other approved methods, and the area compacted with a cultipacker.

907-226.03.3.2--Plant Establishment. Plant establishment shall consist of preserving, protecting, watering, reseeding, and other work necessary to keep the seeded areas in satisfactory condition.

Areas requiring reseeding should be prepared and seeded and all other work performed as if the reseeding was the initial seeding. The types and application rates of fertilizer will be at the discretion of the Contractor.

907-226.03.3.3--Growth and Coverage. It shall be the Contractor's responsibility to provide satisfactory growth and coverage of grasses, legumes, or combination produced from the specified seeding.

Growth and coverage on seeded areas will be considered to be in reasonably close conformity with the intent of the contract when the type of vegetation specified, exclusive of that from seeds not expected to have germinated and shows growth at that time, has reached a point of maturity where stems or runners overlap adjacent similar growth in each direction over the entire area.

907-226.03.4--Mulching.

907-226.03.4.1--Equipment. Mulching equipment should be capable of maintaining a constant air stream which will blow or eject controlled quantities of mulch in a uniform pattern. If asphalt is used, a jet or spray nozzle for applying uniform, controlled amounts of asphalt to the vegetative material as it is ejected should be located at or near the discharge spout.

Mulch stabilizers should consist of dull blades or disks without camber and approximately 500 millimeters in diameter. The disks should be notched, should be spaced at approximately 200-millimeter intervals, and should be equipped with scrapers. The stabilizer should have a mass of approximately 450 to 550 kilograms, should have a working width of no more than 2.5 meters, and should be equipped with a ballast compartment, so that mass can be increased.

907-226.03.4.2--Placement of Vegetative Mulch. If required, mulching should be placed uniformly on designated areas within 24 hours following seeding unless weather conditions are such that mulching cannot be performed. Placement should begin on the windward side of areas and from tops of slopes. In its final position, the mulch should be loose enough to allow air to circulate but compact enough to partially shade the ground and reduce erosion.

The baled material should be loosened and broken thoroughly before it is fed into the machine to avoid placement of unbroken clumps.

907-226.03.4.3--Rates of Application and Anchoring Mulch. The recommended rate of application of vegetative mulch shall be as shown in the vegetation schedule in the plans. The mulch should be anchored by either the use of a mulch stabilizer or by tacking with bituminous material. If a mulch stabilizer is used, the mulch should be punched into the soil for a minimum depth of 25 millimeters. If bituminous material is used, the rate of application should be 140 liters per hectare.

Where steep slopes or other conditions are such that anchoring cannot be performed satisfactory with a mulch stabilizer, the Contractor may elect to use bituminous material applied at the time or immediately following the mulch placement.

When mulch stabilizers are used, anchoring the mulch should be performed along the contour of the ground surface.

907-226.03.4.4--Protection and Maintenance. The Contractor should take every precaution to prevent unnecessary foot and vehicular traffic.

907-226.04--Method of Measurement. When a pay item for temporary grassing is included in the plans, temporary grassing will be measured by the hectare. Acceptance will be based on a satisfactory growth and coverage of seeds planted. When a pay item for temporary grassing is not included in the plans, temporary grassing shall be measured for payment using the appropriate pay items in the contract.

907-226.05--Basis of Payment. When a pay item for temporary grassing is included in the plans, temporary grassing, measured as prescribed above, will be paid for at the contract unit price per hectare, which will be full compensation for all required materials, equipment, labor, testing and all work necessary to establish a satisfactory growth of grass.

Payment will be made under:

907-226-A: Temporary Grassing - per hectare

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-304-16M **CODE: (IS)**

DATE: 06/01/2009

SUBJECT: Granular Courses

Section 907-304, Granular Courses, of the 1996 Metric 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 304-1, add the following:

When the contract includes pay item 907-304-I, Granular Material (RAP) (LVM), it shall be milled recycled asphalt pavement and shall be visually inspected by the Engineer to insure it is free from chunks and deleterious materials.

Crushed concrete meeting the requirements of Subsection 907-703.04.4 may be used in lieu of other crushed courses specificed in the contract.

907-304.03--Construction Requirements.

907-304.03.5--Shaping, Compacting and Finishing. Delete the sixth paragraph of Subsection 304.03.6 on page 304-3.

Delete the remainder of Subsection 304.03.5 beginning with the last paragraph on page 304-3, and substitute the following:

The lot will be divided into five approximately equal sublots with one density test taken at random in each sublot. The individual tests and the average of the five tests shall equal or exceed the values as shown in the table below.

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 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:

Lot Average	Individual Test
96.0	92.0

When pavement is not required, the required density for the top course will be as shown in the table below.

Granular Material Class	Lot Average	Individual Test
10	94.0	90.0
7,8 or 9	95.0	91.0
5 or 6	96.0	92.0
3 or 4	97.0	93.0
1 or 2	98.0	94.0
Crushed Stone Courses	96.0	92.0

No density tests will be required for granular or crushed stone courses used for temporary work such as maintaining temporary ramps and driveways.

Unless otherwise specified, density for granular material RAP or crushed stone used for driveway, etc. maintenance, shall be achieved by two passes of an approved roller and density tests will not be required.

A finished course shall be continually maintained until a subsequent course is placed thereon or the work is released from maintenance.

907-304.05--Basis of Payment. Delete the pay items listed on page 304-5, and substitute the following:

907-304-A:	Granular Material (LVM) (Class____, Group____)	- per cubic meter
907-304-B:	Granular Material (Class____, Group____)	- per metric ton
907-304-C:	Granular Material (AEA) (Class____, Group____)	- per cubic meter
907-304-D:	20-mm and Down Crushed Stone	- per metric ton
907-304-E:	50-mm to 20-mm Crushed Stone	- per metric ton
907-304-F:	100-mm to 50-mm Crushed Stone	- per metric ton
907-304-G:	20-mm and Down Crushed Stone (AEA)	- per cubic meter
907-304-H:	20-mm and Down Crushed Stone (LVM)	- per cubic meter
907-304-I:	Crushed Stone Base (Size _____)	- per metric ton
907-304-I:	Crushed Stone Base (Size _____) (LVM)	- per cubic meter
907-304-I:	Granular Material (_____)	- per metric ton
907-304-I:	Granular Material (_____) (LVM)	- per cubic meter

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-619-12M **CODE: (SP)**

DATE: 09/22/2003

SUBJECT: Changeable Message Signs

Section 619, Traffic Control for Construction Zones, of the 1996 Metric Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

907-619.02--Material Requirements.

After Subsection 619.02.11 on page 619-3, add the following:

907-619.02.12--Changeable Message Sign. The changeable message sign shall be trailer-mounted, full size, LED, full matrix, solar powered, portable changeable message sign. The sign shall be capable of on-site operation via onboard keyboard/keypad, and when specified, remote operation via software running under the Windows 2000 Operating System. The entire sign assembly shall be designed and constructed to withstand and operate during a minimum of 120 kph wind gusts with all outriggers and/or leveling jacks in place. The entire sign assembly, including each component exposed to weather, shall be sealed and water-proofed to prevent water penetration when subjected to rain and gusting winds of 120 kph. If more than one changeable message sign is specified, they shall all be of the same model and from the same manufacturer. All parts and materials used to construct the changeable message sign shall be new.

When specified, each sign shall be provided either with or without the necessary hardware to control the sign remotely. If provided without the hardware, the sign shall be constructed with wiring in place to provide the connections for the necessary onboard hardware to control the sign remotely. The manufacturer shall supply a serial and/or USB connection within the sign control cabinet so that a laptop computer using the remote software can communicate directly with the sign CPU.

When specified, the sign shall be capable of displaying dynamic, in-situ traffic speeds through the use of an optional traffic radar transducer. The sign shall also be capable of radar interrupt. This option shall interrupt the original user-specified sequence of messages to display the approaching vehicle speeds and/or an alternate sequence of messages as determined by the user. This option shall also have the functionality to display the speeds of the approaching vehicles as a stand-alone sequence.

When specified, each sign shall be NTCIP compliant/compatible.

When specified, each sign shall be provided either with or without the necessary hardware to operate a Highway Advisory Radio (HAR) system. If provided without the hardware, the sign

shall be constructed to provide the required connections to easily add the necessary onboard hardware to operate the HAR.

General. The sign shall be mounted on a portable trailer containing the necessary solar panels, deep-cycle heavy-duty batteries, and battery charger. When specified, gel-type batteries shall be a replacement for deep-cycle heavy-duty batteries. In the event of prolonged lack of sufficient sunlight, the sign batteries shall be capable of being charged while the sign is operating by the use of a standard 120 Volt AC generator. The sign shall be equipped with a male plug-in and a 15-meter long extension cord constructed of a minimum 12-guage wire for this purpose. This plug-in shall also be capable of charging the sign batteries using standard 120 Volt AC current when the sign is not in use.

When specified, the sign shall be supplied with either the necessary onboard hardware to control the sign remotely, or the required connections to easily add the necessary onboard hardware to control the sign remotely. This hardware shall consist of, but is not limited to, a cellular telephone capable of operating in digital mode, and/or analog mode when specified, the necessary external antenna, communications cables, and the necessary modem for communicating with the sign operating software. The sign shall also be supplied with the necessary software to control the sign from a remote location. This software shall be Windows 2000 compatible for use on any desktop or laptop equipped with a Hayes Compatible Modem, and any necessary software which must be installed on the sign for communication with a remote computer. The cell phone and/or modem shall be capable of communication using the MDOT cell service provider and it shall be the responsibility of the manufacturer/contractor to demonstrate this service. The sign shall be capable of data communications at a minimum transmission speed of 40 kilobytes per second. The sign shall not be dependent on cellular digital packet data type technology for wireless communications.

The software for controlling the sign and sign messages shall be password protected to safeguard against unauthorized use. There shall be a minimum of three (3) levels of password protection. The most restrictive level shall allow an operator to select a preprogrammed sequence of messages for display while restricting access to the computer's sign and sequence programming. The next restrictive level shall allow the operator to access the sign's primary controls such as sign brightness, message and sequence editing, and establishing schedules. The least restrictive level shall allow full access to all controls, passwords, signs parameter display, and diagnostic display.

Sign diagnostics shall include, but not be limited to, LED brightness controls, internal operating temperature, sign status, communications status, radar status and solar status via onboard display and/or when specified, remote software. The sign status shall provide information on the sign operation that includes CPU inputs and outputs, battery voltage, 110 VAC service indicator, low voltage indicator, and photocell ambient light level. The solar status shall provide information on voltage level from the batteries, voltage level for the LED display, sign brightness level, percent of maximum brightness for LED's, and photocell ambient light level.

The sign software shall be capable of scheduling predetermined sequences of messages based on a programmed time and date.

There shall be a minimum of 180 pre-stored, standard signs and messages as detailed in the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD), all capable of being displayed. There shall also be storage space provided for an additional 150 user-programmed signs and/or messages. Each sign CPU shall have the capacity to store a minimum of 150 programmable sequences. Each sequence shall be capable of displaying up to six (6) programmed signs, symbols, or messages. There shall also be provided, as stored data, and capable of being displayed, all graphical symbols of regulatory and warning symbols detailed in the latest edition of the MUTCD.

The sign display shall be capable of displaying both static and dynamic graphics/messages. The sign display shall also be capable of displaying messages in full size to utilize the maximum area of display. It shall also be capable of displaying conventional one, two, or three-line messages for display with a choice of a minimum of nine (9) font sizes.

At least two copies of user manuals shall be provided with each sign. Each manual shall include all operational functions and software required to operate the sign on site and remotely. This manual shall include all wiring diagrams, parts lists, and sign specifications as well as component warranty information. Each copy shall be bound and shall contain laminated sheets.

Trailer Control Cabinet. The control cabinet shall be constructed of aluminum and shall receive an automotive grade protective coating as should the rest of the trailer. The sign cabinet shall be manufactured to withstand all types of adverse weather conditions and shall have screens or filters installed to keep insects out. This control cabinet shall be lockable, internally illuminated, and house the keyboard terminal and control panel. Lighted keys and terminal displays are acceptable. This control cabinet shall be manufactured in accordance with the latest NEMA 3R/4 standards. The control cabinet shall contain all controls and the necessary gauges for monitoring sign activity. All controls shall be labeled using engraved laminated plastic that is a minimum of two millimeters thick. These gauges shall include, but are not limited to, a voltmeter, which indicates current battery charge status, and an amp meter, which indicates current/charging status. The provision of this information via digital readout on a control console or panel is acceptable.

Sign Display. The sign display housing shall be constructed of aluminum and shall be composed of a full matrix of LED's. The sign display housing shall be manufactured in accordance with the latest NEMA 3R/4 standards. The sign shall be comprised of easily interchangeable modules that may be individually replaced in the event of failure or damage. The sign display shall have the minimum capability of displaying three lines of 450-mm nominal high text with eight characters per line. The sign display shall be capable of displaying preprogrammed Manual on Uniform Traffic Control Devices (MUTCD) symbolic messages and standard arrows. This sign shall be a full matrix type, not a fixed matrix type. The sign display shall also be capable of displaying user-defined custom messages and graphics. These messages shall be capable of saving for later recall and use. The sign shall be capable of displaying a preprogrammed default message, or no message at all, in the event of a power failure. When displaying text messages, the spacing between lines of text shall be a minimum of 150 millimeters and the inter-character spacing shall be a minimum of 75 millimeters. The sign shall

be capable of shutting down its LED display if internal cabinet temperatures reach a level that is determined unsafe by the manufacturer. The LED's shall be ITE amber wide angle for both daytime and nighttime viewing at an angle of 17 degrees, shall be rated for a service life of 100 000 hours, and shall have an operating temperature range of between -30°C to +74°. The associated electronics for operation of display power supply shall be fully operational in the temperature range of -34° to +74°C. The sign display shall be protected by a non-glaring polycarbonite material of at least 6-mm thickness. The display shall provide easy access to all components contained within the display housing.

LED Brightness Control. The sign shall be equipped with both automatic and manual controls to adjust the brightness of the LEDs. The automatic control shall be capable of varying the LED brightness by sensing the ambient light level using photocells. The manual brightness control shall be password protected to safeguard against unauthorized use. LED brightness control shall also be contained within the remote operational software.

Sign Trailer. The trailer shall be equipped with a minimum of two wheels with heavy-duty radial tires. It shall be constructed using a minimum of ASTM A36, 75-mm by 75-mm and 75-mm by 125-mm steel tubing both with a minimum of 5-mm wall thickness. Each wheel shall be equipped with one locking lug nut. A minimum of four keys for the locking lug nuts shall be supplied for each trailer. The trailer spring leafs shall be rated for 1580 kilogram. The wheels shall be 380-mm steel wheels with five lug bolts per wheel. The wheels shall each be fitted with new P 205-75-15B rated tires.

The trailer shall be provided with a minimum of four outriggers or leveling jacks. One outrigger or leveling jack shall be mounted near each corner of the trailer. The length of the leveling jacks shall be such that when the trailer is level, all four jacks and the tongue jack can be lowered into the vertical position. The trailer shall also be provided with a trailer stand mounted on the tongue of the trailer. The trailer stand shall be a corrosion resistant, screw type jack stand which provides up to a 635-mm lift with a pull-pin swivel release that enables the jack to swing up to a horizontal position for towing. The stand shall also include a 150-mm wheel that allows horizontal positioning of the trailer. The jack stand shall be welded, not bolted, to the tongue of the trailer. The trailer shall be provided with legal tail/brake lights, signals, and license plate mounting bracket. The trailer shall be provided with a 50-mm "hammer blow coupler" style hitch capable of being reversible with a 62-mm Pintle ring. The trailer shall contain the batteries, solar panels, display lift, and control console.

The trailer shall be equipped with an electric or hydraulic lift, or combination thereof, for the sign display. The sign shall also be equipped with a manual backup lift. The display lift shall raise the sign to a minimum of two meters above the roadway surface. The sign display shall be capable of rotating and locking at any selected angle up to 360 degrees. A positive brake assembly with lockable control arm shall be provided to position the sign display in the desired position. A mast safety pin shall be provided to prevent the sign display from falling in the event of an electric or hydraulic system failure.

All welding shall be performed by certified welders and in accordance to applicable American Welding Society standards. All metal surfaces shall receive a protective coating such as powder

coating, two coats of primer and two coats of finish/color. The finished coating shall be automotive grade.

All cabinets, display cases, battery cabinets and connections shall be NEMA 3R/4 compliant. All cabinets must be completely encased and lockable with a standard padlock. A lockable storage cabinet shall be provided to house various accessories.

The trailer shall have a 2720 kilogram capacity hydraulic surge brake system along with a breakaway latch.

Radar. When specified, the sign shall be equipped with a traffic radar operating in the "K" band, in an "approach only" mode. In conjunction with the radar, the sign shall be capable of displaying dynamic, in-situ vehicle speeds. The radar shall be able to interface directly with the CPU and operational software for applications such as vehicle speeds. The unit shall be programmable to allow the interruption of user-defined messages to display vehicle speed and/or alternate messages whenever a settable speed threshold is exceeded. The radar unit shall be encased in an aluminum enclosure with a polycarbonate lens, and the metal portion shall receive the same protective coating, priming, and painting as the rest of the sign.

Warranty. In general, the manufacturer's warranties and/or guarantees shall be delivered to the Engineer prior to final acceptance of the project. All warranties and guarantees shall be made out to the Mississippi Department of Transportation. At a minimum, a one-year on-site warranty shall be required for the trailer, sign, electronics, software, and all other installed and/or attached appurtenances. The warranty begins on the date of the projects final acceptance.

907-619.03--Construction Requirements.

After Subsection 619.03.8 on page 619-6, add the following:

907-619.03.9--Changeable Message Sign. Each changeable message sign shall be installed and continuously operated at the location selected by the Engineer on State right-of-way. The Contractor is advised that selected locations may be outside the planned indicated limits of the project. The Contractor shall perform all work necessary for preparation of the site selected and approved by the Engineer, to insure maximum safety for and sign visibility of the traveling public; and may be required to remove any temporary work at a later date as directed by the Engineer. The Contractor will also place a minimum of two plastic drums in advance of the sign and one beside the sign as long as it is in use. The Contractor shall be required to move the sign to a new location if directed by the Engineer.

The Contractor may be permitted to bring electric power from outside the normal right-of-way for operation of the equipment if the Department determines that the installation operation will not be hazardous to the traveling public. The Contractor will be required to secure a permit from the Department prior to any work by the power company on the right-of-way. The entire cost of providing electrical service, power to operate the equipment, and removal of the power source from the right-of-way shall be borne by the Contractor.

The changeable message sign(s) will remain the property of the Contractor after the Engineer determines that there is no further need for the sign(s) on the project.

907-619.04--Method of Measurement. After the sixth paragraph of Subsection 619.04 on page 619-7, add the following:

Changeable message signs, as described above, will be measured by the unit. When directed, separate measurements will be made for items included in the contract and required for temporary site preparation for the sign as referenced in Subsection 907-619.03.9. Materials for which no pay items are included in the contract will not be measured for separate payment. Separate measurements will not be made for moving the changeable message sign to a new location, but materials used for which pay items are included in the contract and are necessary for repositioning the sign as directed by the Engineer will be measured for separate payment. Removal of materials used for site preparation for changeable message signs will not be measured for separate payment.

907-619.05--Basis of Payment. After the second paragraph of Subsection 619.05 on page 619-7, add the following:

Payment for items required by the Engineer for temporary location of the changeable message sign, and for which pay items are included in the contract, will be made by the individual pay item. No additional payment will be made for having to work outside the planned indicated project limits.

Payment for removal of materials used for site preparation at changeable message sign locations shall be included in the contract bid price for Maintenance of Traffic.

Between pay item nos. 619-E2 and 619-F1 on page 619-9, insert the following:

907-619-E3: Changeable Message Sign (___*____) - per each

* Indicate when the sign is "With Remote" and/or "With Radar"

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-703-8M **CODE: (IS)**

DATE: 06/01/2009

SUBJECT: Aggregates

Section 703, Aggregates, of the 1996 Metric Edition of the Mississippi Standard Specifications for Road and Bridge Construction is amended as follows:

907-703.04--Aggregate for Crushed Stone Courses. Delete in toto Subsection 703.04 on page 703-5 & 6, and substitute the following.

907-703.04--Aggregate for Crushed Stone Courses.

907-703.04.1--Coarse Aggregate. Coarse aggregate, defined as material retained on the 2.36-mm sieve, shall be either crushed stone, slag, granite, shell, gravel, concrete, or combination thereof. When the required properties of the mix are not obtained with uncrushed gravel, the addition of crushed gravel or other approved material is required.

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

Percentage of wear shall not exceed 45 when tested in accordance with AASHTO Designation: T 96.
The coarse aggregate shall have a minimum dry rodded unit mass of 1120 kilograms per cubic meter when tested in accordance with AASHTO Designation: T 19.

907-703.04.2--Fine Aggregate. Fine aggregate, defined as material passing the 2.36-mm sieve, shall consist of hard, durable particles of naturally disintegrated rock, or material obtained by crushing stone, slag, concrete, gravel or combination thereof. Fine aggregate, when manufactured, shall be manufactured from material meeting the quality requirements for coarse aggregate, and it shall be free of lumps of clay and friable particles, loam, organic or foreign matter.

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

Natural deposits of fine aggregate shall contain no more than 10 percent by mass passing the 75µm sieve when tested in accordance with AASHTO Designation: T 11.

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

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

907-703.04.3--Gradation. Aggregates for crushed stone shall be well-graded from coarse to fine, and shall conform to the following:

TABLE OF SIZES AND GRADATION OF CRUSHED STONE AGGREGATE

Sieve Size	Percent Passing By Mass						
	Size 100-mm to 50-mm	Size 50-mm to 20-mm	Size 20-mm and Down	Size No. 610	Size No. 825 B	Size No. 825	Crushed Stone
100 mm	100						
90 mm	90 - 100						
63 mm	25 - 60	100					
50 mm		95 - 100			100	100	
37.5 mm	0 - 5			100	90 - 100	90 - 100	100
25.0 mm		35 - 70	100	90 - 100	75 - 98	75 - 98	90 - 100
19.0 mm				70 - 100			
12.5 mm				62 - 90	60 - 85	60 - 85	62 - 90
9.5 mm			50 - 85	50 - 80			
4.75 mm		0 - 5	35 - 65	40 - 65	40 - 70	40 - 65	30 - 65
2.36 mm					28 - 54	28 - 54	
2.00 mm			25 - 50				15 - 40
1.18 mm					19 - 42	19 - 42	
425 µm			15 - 30	12 - 26			
300 µm					9 - 32	9 - 27	
75 µm			5 - 15	5 - 12	4 - 18	4 - 18	3 - 16

907-703.04.4--Crushed Concrete. Crushed reclaimed concrete shall also be allowed as a crushed aggregate course provided it meets the requirements of Subsection 907-703.04 and the following.

Crushed Concrete

Sieve Size	Percent Passing By Mass
50 mm	
37.5 mm	100
25.0 mm	90 - 100
19.0 mm	
12.5 mm	60 - 85
9.5 mm	
4.75 mm	40 - 65
2.36 mm	28 - 54
2.00 mm	
1.18 mm	19 - 42
425 µm	
300 µm	9 - 27
75 µm	2 - 18

Grade, drain and bridge work necessary to add 2 additional lanes on US 51 between Senatobia and Coldwater, known as Federal Aid Project No. STP-2920-00(001) / 100285301, in the County of Tate, 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
Roadway Items									
0010	201-A001 Changed 08/17/2009		1	Lump Sum	Clearing and Grubbing	XXXXXXXX	XXX		
0020	202-B008		2	Each	Removal of Box Culvert				
0030	202-B024		21	Square Meter	Removal of Concrete Median & Island Pavement (All Depths)				
0040	202-B035		150	Square Meter	Removal of Concrete Sidewalk				
0050	202-B039 Changed 08/17/2009		855	Meter	Removal of Curb (All Types)				
0060	202-B043 Changed 08/17/2009		7	Each	Removal of Flared End Section (All Sizes)				
0070	202-B059 Changed 08/17/2009		18	Each	Removal of Inlets (All Sizes)				
0080	202-B076		4,352	Meter	Removal of Traffic Stripe				

Line No.	Item Code	Adj Code	Quantity	Units	Description	Unit Price		Bid Amount	
0090	202-B079		22,798	Square Meter	Removal of Pavement (All Types and Depths)				
0100	202-B107 Changed 08/17/2009		1,150	Meter	Removal of Pipe (All Sizes)				
0110	203-G003	(E)	5,000	Cubic Meter	Excess Excavation (FM) (AH)				
0120	206-A001 Changed 08/17/2009	(S)	9,911	Cubic Meter	Structure Excavation				
0130	206-B001 Changed 08/17/2009	(E)	148	Cubic Meter	Select Material for Undercuts (Contractor Furnished) (FM)				
0140	212-A001 Deleted 08/17/2009					XXXXXXXX	XXX	XXXXXXXX	XXX
0150	212-B001 Deleted 08/17/2009					XXXXXXXX	XXX	XXXXXXXX	XXX
0160	213-B001 Deleted 08/17/2009					XXXXXXXX	XXX	XXXXXXXX	XXX
0170	213-C001		37	Metric Ton	Superphosphate				
0180	214-A001 Deleted 08/17/2009					XXXXXXXX	XXX	XXXXXXXX	XXX
0190	214-A002 Deleted 08/17/2009					XXXXXXXX	XXX	XXXXXXXX	XXX
0200	214-A003 Deleted 08/17/2009					XXXXXXXX	XXX	XXXXXXXX	XXX

Line No.	Item Code	Adj Code	Quantity	Units	Description	Unit Price		Bid Amount	
0210	214-A004 Deleted 08/17/2009					XXXXXXXX	XXX	XXXXXXXX	XXX
0220	214-A015 Deleted 08/17/2009					XXXXXXXX	XXX	XXXXXXXX	XXX
0230	214-A016 Deleted 08/17/2009					XXXXXXXX	XXX	XXXXXXXX	XXX
0240	214-A018 Deleted 08/17/2009					XXXXXXXX	XXX	XXXXXXXX	XXX
0250	215-A001 Deleted 08/17/2009					XXXXXXXX	XXX	XXXXXXXX	XXX
0260	216-A001		5,753	Square Meter	Solid Sodding				
0270	219-A001		524	thousand liter	Watering	6.	00	3,144.	00
0280	220-A001		19	Hectare	Insect Pest Control	75.	00	1,425.	00
0290	221-A001 Changed 08/17/2009	(S)	94	Cubic Meter	Portland Cement Concrete Paved Ditch				
0300	235-A001		1,424	Bale	Temporary Erosion Checks				
0310	239-A001		177	Meter	Temporary Slope Drains				
0320	305-B003	(GT)	43	Metric Ton	Size I Stabilizer Aggregate, Coarse				

Line No.	Item Code	Adj Code	Quantity	Units	Description	Unit Price		Bid Amount	
0330	406-A001		3,138	Square Meter	Cold Milling of Bituminous Pavement (All Depths)				
0340	408-A003	(A3)	1,915	Liter	Asphalt for Prime Coat, Cut-Back MC-70 or Emulsified EA-1				
0350	602-A001 Changed 08/17/2009	(S)	75,991	Kilogram	Reinforcing Steel				
0360	603-C-A002 Changed 08/17/2009	(S)	3,152	Meter	450-mm Reinforced Concrete Pipe, Class III				
0370	603-C-A003 Changed 08/17/2009	(S)	1,223	Meter	600-mm Reinforced Concrete Pipe, Class III				
0380	603-C-A004	(S)	266	Meter	750-mm Reinforced Concrete Pipe, Class III				
0390	603-C-A005 Changed 08/17/2009	(S)	167	Meter	900-mm Reinforced Concrete Pipe, Class III				
0400	603-C-A008	(S)	34	Meter	1350-mm Reinforced Concrete Pipe, Class III				
0410	603-C-B001 Changed 08/17/2009	(S)	11	Each	450-mm Reinforced Concrete End Section				
0420	603-C-B002	(S)	2	Each	600-mm Reinforced Concrete End Section				
0430	603-C-B003	(S)	1	Each	750-mm Reinforced Concrete End Section				
0440	603-C-B004	(S)	1	Each	900-mm Reinforced Concrete End Section				

Line No.	Item Code	Adj Code	Quantity	Units	Description	Unit Price		Bid Amount	
0450	603-C-B007	(S)	2	Each	1350-mm Reinforced Concrete End Section				
0460	603-C-E007	(S)	113	Meter	1650-mm x 1015-mm Concrete Arch Pipe, Class A III				
0470	603-C-E009	(S)	327	Meter	2235-mm x 1370-mm Concrete Arch Pipe, Class A III				
	Changed 08/17/2009								
0480	603-C-F007	(S)	1	Each	1650-mm x 1015-mm Concrete Arch Pipe End Section				
0485	603-S-B003	(S)	1	Each	450-mm Branch Connections (Stub into Concrete Box Culvert)				
	Added 08/17/2009								
0490	603-S-B004	(S)	6	Each	600-mm Branch Connections (Stub into Box Culvert)				
0500	604-A001		4,617	Kilogram	Castings				
	Changed 08/17/2009								
0510	604-B001		3,659	Kilogram	Gratings				
	Changed 08/17/2009								
0520	605-O001	(S)	110	Meter	100-mm Perforated Sewer Pipe for Underdrains (SDR 23.5)				
0530	605-O003	(S)	300	Meter	150-mm Perforated Sewer Pipe for Underdrains (SDR 23.5)				
0540	605-P003	(S)	60	Meter	150-mm Non-perforated Sewer Pipe for Underdrains (SDR 23.5)				
0550	605-W001	(GM)	47	Cubic Meter	Filter Material for Combination Storm Drain &/or Underdrains, Type A (FM)				

Line No.	Item Code	Adj Code	Quantity	Units	Description	Unit Price		Bid Amount	
0560	605-W002	(GM)	234	Cubic Meter	Filter Material for Combination Storm Drain &/or Underdrains, Type B (FM)				
0565 Added 08/17/2009	605-X005	(GM)	103,178	Cubic Meter	Filter Material for Filter Beds, Type C				
0570	608-A001	(S)	7,121	Square Meter	Concrete Sidewalk (Without Reinforcement)				
0580 Changed 08/17/2009	609-B001	(S)	980	Meter	Concrete Curb, Type Header				
0590 Changed 08/17/2009	609-D006	(S)	6,245	Meter	Combination Concrete Curb and Gutter Type 1 Modified				
0600	609-D007	(S)	76	Meter	Combination Concrete Curb and Gutter Type 2 Modified				
0605 Added 08/17/2009	613-E003		6	Each	Adjustment of Manhole				
0610 Changed 08/17/2009	614-B001	(S)	2,052	Square Meter	Concrete Driveway (With Reinforcement)				
0620	616-A001	(S)	88	Square Meter	Concrete Median and/or Island Pavement (100-mm)				
0630	616-A003	(S)	39	Square Meter	Concrete Median and/or Island Pavement (250-mm)				
0640	618-A001		1	Lump Sum	Maintenance of Traffic	XXXXXXXX	XXX		
0650 Changed 08/17/2009	619-D1001		31	Square Meter	Standard Roadside Construction Signs (less than 0.9 square meter)				

Line No.	Item Code	Adj Code	Quantity	Units	Description	Unit Price		Bid Amount	
0660	619-D2001 Changed 08/17/2009		168	Square Meter	Standard Roadside Construction Signs (0.9 square meter or more)				
0670	619-D3001		64	Each	Remove and Reset Signs (All Sizes)				
0680	619-D4001		10	Square Meter	Directional Signs				
0690	619-F1001 Changed 08/17/2009		1,316	Meter	Concrete Median Barrier (Precast)				
0700	619-G4001 Changed 08/17/2009		90	Meter	Barricades (Type III) (Single Faced)				
0710	619-G4005		15	Meter	Barricades (Type III) (Double Faced)				
0720	619-G5001		742	Each	Free Standing Plastic Drums				
0730	619-G7001		3	Each	Warning Lights (Type "B")				
0740	620-A001		1	Lump Sum	Mobilization	XXXXXXXX	XXX		
0750	630-A001		26	Square Meter	Standard Roadside Signs (Sheet Aluminum, 2.03-mm Thickness)				
0760	630-A002		18	Square Meter	Standard Roadside Signs (Sheet Aluminum, 3.18-mm Thickness)				
0770	630-B001		10	Square Meter	Interstate Directional Signs (Bolted Extruded Aluminum Panels, Ground Mounted)				

Line No.	Item Code	Adj Code	Quantity	Units	Description	Unit Price		Bid Amount	
0780	630-C002		20	Meter	Steel U-Section Posts (2.97 to 3.72 kg/m)				
0790	630-C004		139	Meter	Steel U-Section Posts (4.46 to 5.20 kg/m)				
0800	630-D003		31	Meter	Structural Steel Beams (W150 x 18)				
0810	630-E001		60	Kilogram	Structural Steel Angles & Bars (75 mm x 75 mm x 6 mm Angles)				
0820	630-E006		96	Kilogram	Structural Steel Angles & Bars (11 mm x 65 mm Flat Bars)				
0830	630-K001		27	Meter	Welded & Seamless Steel Pipe Posts (DN 75)				
0840	630-K002		10	Meter	Welded & Seamless Steel Pipe Posts (DN 90)				
0850	630-K003		14	Meter	Welded & Seamless Steel Pipe Posts (DN 100)				
0860	814-A001	(S)	1	Lump Sum	Painting of Metal Structures	XXXXXXXX	XXX		
0870 Changed 08/17/2009	815-A007	(S)	11,573	Metric Ton	Loose Riprap, (Size 136 kg)				
0880	907-203-A002	(E)	24,975	Cubic Meter	Unclassified Excavation (FM) (AH)				
0890 Changed 08/17/2009	907-203-EX004	(E)	449,109	Cubic Meter	Borrow Excavation (AH)(FME) (Class B9)				

Line No.	Item Code	Adj Code	Quantity	Units	Description	Unit Price		Bid Amount	
0900	907-209-A004 Changed 08/17/2009		87,709	Square Meter	Geotextile Fabric Stabilization (Type V Non-Woven)				
0910	907-213-A001 Deleted 08/17/2009					XXXXXXXX	XXX	XXXXXXXX	XXX
0920	907-217-A001		3,668	Square Meter	Ditch Liner				
0930	907-223-A001		1	Hectare	Mowing	100.	00	100.	00
0931	907-225-A001 Added 08/17/2009		38	Hectare	Grassing				
0932	907-225-B001 Added 08/17/2009		249	Metric Ton	Agricultural Limestone				
0934	907-226-A002 Added 08/17/2009		19	Hectare	Temporary Grassing				
0940	907-234-A002		3,029	Meter	Temporary Silt Fence				
0945	907-234-F001 Added 08/17/2009		525	Meter	Turbidity Barrier				
0950	907-304-B001	(GT)	2,784	Metric Ton	Granular Material (Class 3, Group D)				
0960	907-304-D001 Changed 08/17/2009	(GT)	22,764	Metric Ton	20-mm and Down Crushed Stone				
0970	907-403-A006 Changed 08/17/2009	(BA1)	7,756	Metric Ton	Hot Mix Asphalt, MT, 12.5-mm mixture				

Line No.	Item Code	Adj Code	Quantity	Units	Description	Unit Price		Bid Amount	
0980	907-403-A007	(BA1)	24,187	Metric Ton	Hot Mix Asphalt, MT, 19-mm mixture				
Changed 08/17/2009									
0990	907-601-A001	(S)	693	Cubic Meter	Class "B" Structural Concrete				
Changed 08/17/2009									
1000	907-601-B001	(S)	423	Cubic Meter	Class "B" Structural Concrete, Minor Structures				
Changed 08/17/2009									
1010	907-603-ALT01	(S)	249	Meter	450-mm Type A Alternate Pipe				
1020	907-605-AA002	(S)	650	Square Meter	Geotextile Fabric for Subsurface Drainage (Type III)				
1030	907-607-B005		110	Meter	1100-mm Type IV Chain Link Fence, Class II, Black				
1040	907-607-P1002		35	Each	Line Posts 1500-mm x DN 40 Galvanized Steel, Black				
1050	907-607-P1003		4	Each	Line Posts 1500-mm x DN 50 Galvanized Steel, Black				
1060	907-607-P2002		4	Each	Brace Posts 3000-mm x DN 50 Galvanized Steel, Black				
1070	907-617-A001		88	Each	Right-of-Way Markers (Type I)				
1080	907-619-A1005		23	Kilometer	Temporary Traffic Stripe (Continuous White) (Paint)				
1090	907-619-A2005		26	Kilometer	Temporary Traffic Stripe (Continuous Yellow) (Paint)				

Line No.	Item Code	Adj Code	Quantity	Units	Description	Unit Price		Bid Amount	
1100	907-619-A3001		5	Kilometer	Temporary Traffic Stripe (Skip White) (Paint)				
1110	907-619-A4001		4	Kilometer	Temporary Traffic Stripe (Skip Yellow) (Paint)				
1120	907-619-A5001		5,885	Meter	Temporary Traffic Stripe (Detail) (Paint)				
1130	907-619-A6001		503	Meter	Temporary Traffic Stripe (Legend) (Paint)				
1140	907-619-A6005		83	Square Meter	Temporary Traffic Stripe (Legend) (Paint)				
1150	907-619-C6001		388	Each	Red-Clear Reflective High Performance Raised Marker				
1160	907-619-C7001		1,042	Each	Two-Way Yellow Reflective High Performance Raised Marker				
1165 Added 08/17/2009	907-619-E3001		3	Each	Changeable Message Sign				
1170	907-626-AA003		4	Kilometer	150-mm Thermoplastic Traffic Stripe (Skip White) (2.25-mm min)				
1180	907-626-BB003		1	Kilometer	150-mm Thermoplastic Traffic Stripe (Continuous White) (2.25-mm min)				
1190	907-626-CC003		16	Kilometer	150-mm Thermoplastic Edge Stripe (Continuous White) (1.50-mm min)				
1200	907-626-DD001		4	Kilometer	150-mm Thermoplastic Traffic Stripe (Skip Yellow)(2.25-mm min.)				

Line No.	Item Code	Adj Code	Quantity	Units	Description	Unit Price		Bid Amount	
1210	907-626-EE004		15	Kilometer	150-mm Thermoplastic Traffic Stripe (Continuous Yellow) (2.25-mm min)				
1220	907-626-GG001 Changed 08/17/2009		1,863	Meter	Thermoplastic Detail Stripe (150-mm Equivalent Length)(White)(2.25-mm min.)				
1230	907-626-GG002 Changed 08/17/2009		2,947	Meter	Thermoplastic Detail Stripe (150-mm Equivalent Length)(Yellow)(2.25-mm min.)				
1240	907-626-HH004		450	Meter	Thermoplastic Legend (White) (3.00-mm min)				
1250	907-626-HH005		112	Square Meter	Thermoplastic Legend (White) (3.00-mm min)				
1260	907-627-K001		388	Each	Red-Clear Reflective High Performance Raised Markers				
1270	907-627-L001		1,042	Each	Two-Way Yellow Reflective High Performance Raised Markers				
1280	907-640-B001		14	Each	Traffic Signal Heads (Type 1) LED				
1290	907-640-B006		4	Each	Traffic Signal Heads (Type 7) LED				
1300	907-640-B008		16	Each	Traffic Signal Heads (Type 6) LED (Countdown)				
1310	907-643-A001		1	Each	Closed Loop On-Street Master System				
1320	907-648-A001		2	Each	Radio Interconnect (Installed in New Controller Cabinet)				

Line No.	Item Code	Adj Code	Quantity	Units	Description	Unit Price		Bid Amount	
1330	907-668-E001		156	Meter	Traffic Signal Conduit (Underground Drilled or Jacked), Rolled Pipe, (25 mm)				
1340	907-668-E003		174	Meter	Traffic Signal Conduit (Underground Drilled or Jacked), Rolled Pipe, (75 mm)				
1350	907-699-A001		1	Lump Sum	Roadway Construction Stakes	XXXXXXXX	XXX		
1360	907-803-D001	(S)	430	Meter	HP 310 x 79 Steel Piling				
1370	907-803-F001	(S)	300	Meter	610-mm Pre-formed Pile Hole				
1380	907-829-PP001 Changed 08/17/2009	(S)	250	Square Meter	Precast Concrete Wall Panels				
1390	908-635-A001		391	Meter	Vehicle Loop Assemblies				
1400	908-636-A003		655	Meter	Shielded Cable (18 AWG) (4 Conductor)				
1410	908-638-A006		5	Each	Loop Detector Amplifier, Card Rack Mounted (4 Channel)				
1420	908-639-A172		1	Each	Traffic Signal Equipment Pole (Type II) (5.8-m Shaft) (10.7-m Arm)				
1430	908-639-A173		1	Each	Traffic Signal Equipment Pole (Type II) (5.8-m Shaft) (12.2-m Arm)				
1440	908-639-A174		2	Each	Traffic Signal Equipment Pole (Type II) (5.8-m Shaft) (13.7-m Arm)				

Line No.	Item Code	Adj Code	Quantity	Units	Description	Unit Price		Bid Amount	
1450	908-639-A175		2	Each	Traffic Signal Equipment Pole (Type II) (5.8-m Shaft) (15.2-m Arm)				
1460	908-639-A176		2	Each	Traffic Signal Equipment Pole (Type II) (5.8-m Shaft) (16.8-m Arm)				
1470	908-642-A007		2	Each	Solid State Traffic Actuated Controllers (Type 8A)				
1480	908-647-A001		8	Each	Pullbox (Type 1)				
1490	908-647-A002		8	Each	Pullboxes (Type 2)				
1500	908-666-B017		520	Meter	Electric Cable (Underground in Conduit)(IMSA 20-1)(AWG 14), 5 Conductor				
1510	908-666-B018		346	Meter	Electric Cable (Underground in Conduit)(IMSA 20-1)(AWG 14), 7 Conductor				
1520	908-666-B034		18	Meter	Electric Cable (Underground in Conduit) (THHN) (AWG #6) (2 Conductor)				
1530	908-666-D012		114	Meter	Electric Cable (Aerial Supported in Conduit)(IMSA 20-1)(AWG 14), 7 Conductor				
1540	908-668-A013		190	Meter	Traffic Signal Conduit (Underground) (Type IV) (DN 25)				
1550	908-668-A016		64	Meter	Traffic Signal Conduit (Underground) (Type IV) (DN 50)				
1560	908-668-A018		27	Meter	Traffic Signal Conduit (Underground) (Type IV) (DN 75)				

Line No.	Item Code	Adj Code	Quantity	Units	Description	Unit Price		Bid Amount	
1565 Added 08/17/2009	907-815-E001	(S)	9,751	Square Meter	Geotextile Fabric under Riprap				
					Bridge Items				
1570	805-A001	(S)	169,015	Kilogram	Reinforcement				
1580	813-A001	(S)	876	Meter	Concrete Railing				
1590	815-A007	(S)	5,685	Metric Ton	Loose Riprap, (Size 136 kg)				
1600	907-501-K001		5,062	Square Meter	Transverse Grooving				
1610	907-803-B002	(S)	18	Each	Conventional Static Pile Load Test	5,000.	00	90,000.	00
1620	907-803-C001	(S)	2,448	Meter	350-mm x 350-mm Prestressed Concrete Piling				
1630	907-803-C002	(S)	2,037	Meter	400-mm x 400-mm Prestressed Concrete Piling				
1640	907-803-C003	(S)	304	Meter	450-mm x 450-mm Prestressed Concrete Piling				
1650	907-803-I001	(S)	18	Each	PDA Test Pile				
1660	907-804-A001	(S)	1,754	Cubic Meter	Bridge Concrete (Class AA)				

Line No.	Item Code	Adj Code	Quantity	Units	Description	Unit Price		Bid Amount	
1670	907-804-C001	(S)	447	Meter	30-m Prestressed Concrete Beams, Type IV				
1680	907-804-C113	(S)	2,051	Meter	12-m Prestressed Concrete Beam (Type I + 50)				
1690	907-815-E001	(S)	2,709	Square Meter	Geotextile Fabric under Riprap				

*** 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