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	**9/12/2008**	ADDENDUM NO.		DATED	
ADDENDUM NO	**2**	DATED	**9/17/2008**	ADDENDUM NO.		DATED	

Number	Description
1	Revised Section 00 01 10 (Table of Content) with same; Add Section 00 91 10 (Addendum); Amendment EBS Download Required.
2	Revised Section 00 01 10 (Table of Content) with same; Revise Section 00 91 10 (Addendum); Delete Sections 31 11 00, 31 20 00, and 31 23 17; Add Sections 31 23 12 and 32 92 00; Amendment EBS Download Required.

TOTAL ADDENDA: **2**
(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

TABLE OF CONTENTS
SECTION 00 01 10

PROJECT: **RENOVATIONS TO REST AREA BUILDNGS ON I-55 (NORTHBOUND) NEAR WEST, HOLMES COUNTY, MISSISSIPPI**

PROJECT NUMBER: **BWO-3132-26(002) 501920**

DATE: **SEPTEMBER 17, 2008**

DESCRIPTION A: This Work shall consist of minor site work and all construction work necessary in renovating the Rest Area Buildings on I-55 Northbound near West in Holmes County, Mississippi, in accordance with these Specifications and conforming with the Drawings.

It is the intention of these Specifications to provide the necessary items and instruction for a complete building including all code compliance. Omission of items or instruction necessary or considered standard good practice for the proper installation and construction of the building shall not relieve the Contractor of furnishing and installing such items and conforming to the building codes having jurisdiction.

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

END OF SECTION

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

ADDENDUM No. 2
SECTION 00 91 10

DATE: **SEPTEMBER 17, 2008**

PROJECT: **RENOVATIONS TO REST AREA BUILDNGS ON I-55 (NORTHBOUND) NEAR WEST, HOLMES COUNTY, MISSISSIPPI**

PROJECT NUMBERS: **BWO-3132-26(002) 501920**

PART 1 GENERAL

1.01 DESCRIPTION: Bidders are hereby advised that the following changes are to be made to this Contract. Bidders shall acknowledge receipt of this Addendum on attached Section 905 – Proposal.

1.02 CLARIFICATION ITEMS

A. Ornamental ceiling grilles will be provided as described in Section 05 50 00 – Metal Fabrications, 2.05 Ornamental Metalwork, B. Return grilles will be provided as described in Section 23 37 13 – Diffusers, Registers, and Grilles.

B. The concrete pads for the condensing units are required; size shall fit equipment provided.

C. The temperature controls are to consist of a programmable wall thermostat located in the mechanical room and wired to the mechanical equipment by the mechanical contractor or their sub.

D. The Freeze-proof Post Hydrant (PH-1) referenced in Section 22 11 19 – Domestic Water Piping Specialties shall be Murdock model M-175 with 3/4 inch cold water connection, color to be green. Acceptable other manufacturers are Kupferle Foundry Co. or Most Dependable Fountains.

1.03 SPECIFICATIONS

A. Replace Section 00 01 10 – Table of Contents dated September 11, 2008 with attached Section 00 01 10 – Table of Contents (4 pages).

B. Replace Section 00 91 10 – Addendum dated September 11, 2008 with attached Section 00 91 10 – Addendum.

C. Delete Sections 31 11 00, 31 20 00, and 31 23 17 from the contract documents.

D. Add Sections 31 23 12 and 32 92 00 to the contract documents.

E. Haul Permit Form. Delete this from in the back of the Proposal (Division 50) in its entirety.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION

SECTION 31 23 12 EXCAVATION, FILLING AND GRADING

PART 1 GENERAL.

1.01 SECTION INCLUDES

A. The extent of excavation, filling and grading is shown on the Drawings. Preparation of subgrade for building slabs, walks, and pavements is included as part of this Work. Backfilling of trenches within the building lines is included as part of this Work. Preparation of topsoil in grassed areas is included as part of this Work.

1.02 RELATED SECTIONS

A. Section 01 45 29 – Testing Laboratory Services.

1.03 SUBMITTALS

A. Notification shall be provided to Project Engineer indicating source of borrow material in advance of start of Work and certification provided that proposed soil material is satisfactory for specified use.

1.04 QUALITY ASSURANCE:

A. Perform excavation Work in compliance with applicable requirements of governing authorities having jurisdiction.

B. Compaction density shall be 95 percent of the maximum dry density value as determined by ASTM D 698 (Standard Proctor Test) of AASHTO T-99.

C. Soils compaction control tests shall be performed as specified herein and under Section 01455 - Testing Laboratory Services. Stability is defined as absence of significant yielding or pumping of soils under compaction effort.

D. Number of Tests: Make test(s) in accordance with AASHTO T-99 for each class of material. Make in-place density tests in accordance with AASHTO T-238 (Nuclear Method) for density tests, as the fill and backfill work progresses. At least one test per lift of any isolated portions and each footing.

E. Work on Non-Tested Areas: Placing permanent construction over fill that has not been tested and approved may require removal of permanent Work, re-compacting the fill and replacing the Work at no additional cost to the Owner.

1.05 EXISTING UTILITIES

A. Locate existing underground utilities in the areas of Work. If utilities are to remain in place, provide adequate means of protection during earthwork operations. Should uncharted, or incorrectly charted, piping or other utilities be encountered during excavation, consult the Utility Owner immediately for directions. Cooperate with Owner and utility companies in keeping respective services and facilities in operation. Repair damaged utilities to satisfaction of utility owner.

B. Do not interrupt existing utilities serving facilities occupied and used by Owner or others except when permitted in writing by Project Engineer and then only after acceptable temporary utility services have been provided. Demolish and completely remove from site existing underground utilities indicated “To Be Removed”. Coordinate with utility companies for shut off of services if lines are active.

1.06 PROTECTION OF PERSONS AND PROPERTY

A. Barricade open excavations occurring as part of this Work and post with warning lights. Operate warning lights as recommended by authorities having jurisdiction. Protect structures, utilities, sidewalks, pavements, and other facilities from damage caused by settlement, lateral movement, undermining, washout and other hazards created by earthwork operations.

1.07 USE OF EXPLOSIVES

A. The use of explosives is not permitted.

PART 2 PRODUCTS

2.01 BACKFILL AND FILL

A. Select fill shall be an approved select material free from trash, debris, stones larger than 3 inches, roots and other organic matter.

2.02 GRANULAR FILL

A. Below existing natural grade line: Sandy clay with a liquid limit less than 45 and PI in range of 10 to 22, or clayey sand with PI not less than 7 and liquid limit not greater than 35.

B. Above existing natural grade under slabs and footings: Silty or sandy clay as above or clayey-sand with LL less than 35 and PI of 3 to 15.

2.03 TOPSOIL

A. Provide topsoil to supplement that for reuse at site. Provide clean, fertile, friable, natural loam obtained from a local, well drained source.

PART 3 EXECUTION

3.01 INSPECTION

A. Examine the areas and conditions under which excavating, filling, and grading are to be performed and notify the Contractor, in writing of conditions detrimental to the proper and timely completion of the Work. Do not proceed with the Work until unsatisfactory conditions have been corrected in an acceptable manner.

3.02 EXCAVATION

A. Excavation consists of removal and disposal of material encountered when establishing required grade elevations.

B. Earth excavation includes removal and disposal of pavements and other obstructions visible on ground surface, underground structures and utilities indicated to be demolished and removed, material of any classification indicated in data on subsurface conditions, and other materials encountered that are not classified as rock excavation or unauthorized excavation.

C. Unauthorized excavation consists of removal of materials beyond indicated subgrade elevations or dimensions without specific direction of Project Engineer. Unauthorized excavation, as well as remedial Work directed by the Project Engineer, shall be at the Contractor's expense. Under footings, foundation bases, or retaining walls, fill unauthorized excavation by extending the indicated bottom elevation of the footing or base to the excavation bottom, without altering required top elevation. Lean concrete fill may be used to bring elevations to proper position, when acceptable to Project Engineer.

D. Elsewhere, backfill and compact unauthorized excavations as specified for authorized excavations of same classification, unless otherwise directed by the Project Engineer.

E. Additional Excavation: When excavation has reached required subgrade elevations, notify the Project Engineer / Architect who will make an inspection of conditions. If unsuitable bearing materials are encountered at the required subgrade elevations, carry excavations deeper and replace the excavated material as directed by the Project Engineer / Architect. Removal of unsuitable material and its replacement as directed will be paid on the basis of contract conditions relative to changes in work.

F. Stability of Excavations. Slope sides of excavations to comply with local codes and ordinances having jurisdiction. Shore and brace where sloping is not possible because of space restrictions or stability of material excavated. Maintain sides and slopes of excavations in a safe condition until completion of backfilling.

G. Shoring and Bracing: Provide materials for shoring and bracing, such as sheet piling, uprights, stringers and cross braces, in good serviceable condition. Establish requirements for trench shoring and bracing to comply with local codes and authorities having jurisdiction. Maintain shoring and bracing in excavations regardless of time period excavations will be open. Carry down shoring and bracing as excavation progresses.

H. Dewatering: Prevent surface water and subsurface or groundwater from flowing into excavations and from flooding project site and surrounding area. Do not allow water to accumulate in excavations. Remove water to prevent softening of foundation bottoms, undercutting footings, and soil changes detrimental to stability of subgrade and foundations.

1. Provide and maintain pumps, well points, sumps, suction and discharge lines, and other dewatering system components necessary to convey water away from excavations.
2. Convey water removed from excavations and rainwater to collecting or run-off areas. Establish and maintain temporary drainage ditches and other diversions outside excavation limits for each structure. Do not use trench excavations as temporary drainage ditches.

3.03 MATERIAL STORAGE

A. Stockpile satisfactory excavated materials where directed, until required for backfill or fill. Place, grade and shape stockpiles for proper drainage. Locate and retain soil materials away from edge of excavations. Dispose of excess soil material and waste materials as herein specified.

3.04 EXCAVATION FOR STRUCTURES

A. Conform to elevations and dimensions shown within a tolerance of plus or minus 0.10 feet, and extending a sufficient distance from footings and foundations to permit placing and removal of concrete formwork, installation of services, other construction, and for inspection. In excavating for footings and foundations, take care not to disturb bottom of excavation. Excavate by hand to final grade just before concrete reinforcement is placed. Trim bottoms to required lines and grades to leave solid base to receive concrete.

3.05 EXCAVATION FOR PAVEMENTS

A. Cut surface under pavements to comply with cross-sections, elevations and grades as shown.

3.06 EXCAVATION FOR TRENCHES

A. Dig trenches to the uniform width required for the particular item to be installed, sufficiently wide to provide ample working room. Excavate trenches to the depth indicated or required. Carry the depth of trenches for piping to establish the indicated flow lines and invert elevations. Beyond the building perimeter, keep bottoms of trenches sufficiently below finish grade to avoid freeze-ups.

B. Grade bottoms of trenches as indicated, notching under pipe bells to provide solid bearing for the entire body of the pipe. Backfill trenches with concrete where trench excavations pass within 18 inches of column or wall footings and which are carried below the bottom of such footings, or which pass under wall footings. Place concrete to the level of the bottom of adjacent footings.

C. Do not backfill trenches until tests and inspections have been made and backfilling authorized by the Project Engineer. Use care in backfilling to avoid damage or displacement of pipe systems.

3.07 COLD WEATHER PROTECTION

A. Protect excavation bottoms against freezing when atmospheric temperature is less than 35 degrees F.

3.08 COMPACTION

A. Control soil compaction during construction providing minimum percentage of density specified for each area classification. Compact soil to not less than the following percentages of maximum dry density.

B. Building Slabs and Steps: Compact top 12 inches of subgrade and each layer of backfill or fill material at 95 percent maximum dry density.

C. Lawn or Unpaved Areas: Compact top 6 inches of subgrade and each layer of backfill or fill material at 90 percent maximum dry density.

D. Walkways and Pavements Compact top 6 inches of subgrade and each layer of backfill or fill material at 95 percent maximum dry density.

3.09 MOISTURE CONTROL

A. Where subgrade or layer of soil material must be moisture conditioned before compaction, uniformly apply water to surface of subgrade, or layer of soil material, to prevent free water appearing on surface during or subsequent to compaction operations. Remove and replace, or scarify and air dry, soil material that is too wet to permit compaction to specified density.

3.10 BACKFILL AND FILL

A. Place acceptable soil material in layers to required subgrade elevations, for each area classification listed below.

B. In excavations and under grassed areas by Owner; use satisfactory excavated or borrow material. Under grassed areas by Owner, loosen subgrade to depth of 4 inches, and spread topsoil to depth of 4 inches. Till surface to a level, fine texture.

C. Under buildings, walks and pavements, use sub-base material, or satisfactory excavated or borrow material, or combination of both. Backfill excavations as promptly as work permits, but not until completion of the following:

1. Acceptance by Project Engineer of construction below finish grade including, where applicable, dampproofing, waterproofing, and soil treatment.
2 Inspection, testing, approval, and recording locations of underground utilities.
2. Removal of concrete formwork, shoring and bracing, and backfilling of voids with satisfactory materials.
4. Removal of trash and debris.

3.11 GROUND SURFACE PREPARATION

A. When existing ground surface has a density less than that specified under "Compaction" for the particular area classification, break up the ground surface, pulverize, moisture condition to the optimum moisture content, and compact to required depth and percentage of maximum density.

3.12 PLACEMENT AND COMPACTION

A. Place backfill and fill materials in layers not more than 8 inches in loose depth for material compacted by heavy compaction equipment, and not more than 4 inches in loose depth for material compacted by hand-operated tampers.

B. Before compaction, moisten or aerate each layer as necessary to provide the optimum moisture content. Compact each layer to required percentage of maximum dry density for each area classification. Do not place backfill or fill material on surfaces that are muddy, frozen, or contain frost or ice.

C. Place backfill and fill materials evenly adjacent to structures, to required elevations. Take care to prevent wedging action of backfill against structures by carrying the material uniformly around structure to approximately same elevation in each lift.

3.13 GRADING

A. Uniformly grade areas within limits of grading under this section, including adjacent transition areas. Smooth finished surface within specified tolerances, compact with uniform levels or slopes between points where elevations are shown, or between such points and existing grades.

B. Grading Outside Building Lines: Grade areas adjacent to building lines to drain away from structures and to prevent ponding. Finish surfaces free from irregular surface changes, and as follows:

1. Lawn or Unpaved Areas: Finish areas to receive topsoil to within not more than 0.10 feet above or below the required subgrade elevations.
2. Walks: Shape surface of areas under walks to line, grade and cross-section, with finish surface not more than 0.10 feet above or below the required subgrade elevation.
2. Pavements: Shape surface of areas under pavement to line, grade and cross-section, with finish surface not more than 1/2 inch above or below the required subgrade elevation.
4. Grading Surface of Fill Under Building Slabs: Grade smooth and even, free of voids, compacted as specified, and to required elevation. Provide final grades within a tolerance of 1/2 inch when tested with a 10-foot straightedge.

3.14 COMPACTION

A. After grading, compact subgrade surfaces to the depth and percentage of maximum density for each area classification.

3.15 MAINTENANCE

A. Protect newly graded areas from traffic and erosion. Keep free of trash and debris. Repair and re-establish grades in settled, eroded, and rutted areas to specified tolerances.

B. Reconditioning Compacted Areas: Where subsequent construction operations or adverse weather disturbs completed compacted areas, scarify surface, re-shape, and compact to required density prior to further construction.

3.16 DISPOSAL OF EXCESS AND WASTE MATERIALS

A. Remove waste materials, including unacceptable excavated material, trash and debris, and dispose of it off the Owner's property.

END OF SECTION

SECTION 32 92 00 TURF AND GRASSES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Topsoil, seeding and related products at all exterior ground areas within the limits of the Contract, except surfaces occupied by buildings, structures and pavement, and areas indicated as undisturbed or otherwise planted as shown on Drawings. The Work shall include furnishing and/or spreading topsoil, finish grading, preparing seedbed, and providing plant establishment.

1.02 SUBMITTALS

A. Submit product data and technical specifications, installation instruction and general recommendations for each product specified.

1.03 SITE CONDITIONS

A. Permanent seeding shall be conducted only between April 1st and September 1st. If the completion schedule of the Work falls between September 1st and April 1st, temporary winter seeding will be required followed by permanent seeding executed as soon as possible thereafter within the allowable planting schedule.

B. Seeding operations shall not begin until all construction procedures have been completed, unless otherwise approved.

PART 2 PRODUCTS

2.01 FERTILIZER

A. Commercial fertilizer shall be 13-13-13 formula 13 percent nitrogen, 13 percent phosphoric acid, and 13 percent potash. Fertilizer shall be dry, granular, and bagged in manufacturer’s original unopened container.

2.02 AGRICULTURAL LIME

A. Ground or pulverized, containing not less than 90 percent calcium carbonate, and shall be ground to such a fineness that 50 percent will pass through a 100-mesh sieve and 90 percent will pass through a 20-mesh sieve.

2.03 MULCHING

A. Threshed straw of cereal grain (wheat, rice, oats). All material shall be free of Johnson grass, broom sedge, weed seed and noxious materials. Hydro seeding mulch shall be equal to Conwed binder and mulch material.

2.04 TOPSOIL

A. Natural, fertile, friable soil possessing characteristics of representative productive soils in the vicinity. It shall be free of stones, lumps, plants, roots, obnoxious grass and weeds and other foreign matter. It shall be of uniform composition throughout, not excessively acid or alkaline, nor contain substances, which may be harmful to plant growth. Existing on-site soil may be utilized in planting soil mix if of good quality to promote healthy growth. Topsoil shall not be stripped, collected or deposited while wet.

2.05 ASPHALTIC EMULSION

A. Spray at the same rate of 10 to 13 gallons per 1000 square feet. DO NOT damage other Work by allowing drift to settle. Do not spray on windy days.

2.06 SEED

A. All seed shall comply with the seed laws of the State of Mississippi and all applicable regulations. The seed shall be fresh, clean, of the best grade, vitality, purity and germination, and shall be delivered in bags showing percent of germination, and purity of seed, and the percent of obnoxious weeds and inert matter.

B. Bermuda (cynodon dactylon - permanent grass) common hulled, new crop seed, tested 98 percent for purity and 90 percent for germination.

C. Perennial Rye (temporary grass): Testing 95 percent for purity and 85 percent for germination.

D. Centipede Grass (eremochloaophiuroides): Testing 95 percent for purity and 85 percent for germination.

PART 3 EXECUTION

3.01 GROUND PREPARATION

A. Thoroughly loosen the surface of all areas to be seeded to a depth of 4 inches by plowing, discing and harrowing, or by other approved methods. All clods and lumps shall be pulverized to provide a smooth, uniformly loose, well-broken surface, free of roots and other objectionable foreign matter.

B. Topsoil shall be placed evenly to an average depth of 3 inches with a minimum depth of 2 inches at any one area.

C. At least 7 days prior to seeding, lime shall be applied at a rate of 50 pounds per 1000 square feet and thoroughly incorporated into the soil to a depth of 3 inches.

D. Grade lawn areas to finish grades, filling as needed or removing surplus dirt and floating areas to a smooth, uniform grade. Slope all lawn areas to drain. Roll, scarify, rake and level as necessary to obtain true even lawn surfaces.

E. Hand dressing will be used in all areas within 20 feet of any building construction to obtain a perfectly smooth and properly graded area to provide drainage away from the structure and paved areas with elevations as shown on the Drawings. All other areas shall be machine graded unless otherwise noted. Allow for sod thickness in areas to be sodded.

3.02 FERTILIZING

A. Apply fertilizer at the rate of 20 pounds per 1000 square feet. Incorporate into soil to a depth of 3” by using a plow and disc harrow, rotary tilling machinery or other means.

3.03 SEEDING

A. All seed shall be sown in compliance with the dates indicated in Part I, Paragraph 1.03.

B. No seeding shall be conducted during windy weather of when the ground is frozen, excessively wet, or in a non-tillable condition.

C. Seed shall be uniformly sown at the rate of 3 pounds per 1000 square feet for bermuda grass; 6 pounds per 1000 square feet for rye grass.

D. Seed shall be sown by mechanical spreaders. Entire seeded area shall be raked to cover the seed to a depth of 1/8 inch to 1/2 inch, thoroughly rolled and then watered deeply with a fine spray.

3.04 MULCH

A. Mulch shall be placed uniformly in a continuous blanket at a rate of one bale per 1000 square feet. Mulching shall take place within 24 hours after completion of seeding operations and shall begin on the windward side of areas and from tops of slopes. The use of wet vegetative materials will not be permitted and baled material shall be loose and thoroughly broken before it is distributed.

3.05 ESTABLISHMENT AND MAINTENANCE

A. Lawn areas shall be protected and maintained by watering, mowing and reseeding as may be necessary for at least 30 days after completion of the last lawn operation and as much longer as is necessary to produce a uniform stand of grass. Grass shall be considered established and accepted when each square foot of grass area contains a sufficient number of well-rooted and growing grass plants to provide a reasonable green cover, sufficient erosion control, and a definite green appearance during the growing season.

3.06 PROTECTION

A. Restrict pedestrian and vehicular traffic from seeded and sodded areas after planting and until grass is established and accepted.

3.07 REPAIRING / RESEEDING

A. Unaccepted areas requiring reseeding or re-sodding shall be so designated by the Project Engineer. Reseeding shall be in compliance with these Specifications and in accordance with the planting schedule. Re-seeded areas shall also be re-mulched.

B. When grassed areas have become eroded or otherwise damaged during the period of this Contract, the affected areas shall be repaired to re-establish the surface and condition of the soil as provided for in these Specifications. Such areas shall be re-seeded as specified. Placing and reshaping of all earthwork shall be in accordance with the direction of the Project Engineer.

C. No Additional payment will be made for re-fertilizing, re-seeding, re-mulching, or repairing eroded areas.

3.08 SCHEDULE

A. Seeding - entire area affected by construction of this project that is not to be sodded.

B. Sodding - area affected by construction of this project that has a slope equal to or greater than 1 foot in 8 feet.

END OF SECTION