

ADDENDA NO. 2

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2007 ROAD IMPROVEMENTS TOWN OF ADDIS, LA

DATE ISSUED: December 11, 2007
BID DATE: December 18, 2007

EES PROJECT NO. 0728

This Addenda shall be considered as included and/or amended in the original Contract Documents and shall take precedence over any part of the original documents or previous addendum in conflict therewith. This Addenda contains 6 page. All bidders shall ensure all sheets of this Addenda are enclosed. If sheets are missing from this Addenda, it is the responsibility of the Bidder to notify the Engineer seventy-two (72) hours prior to the bid date and time.

I. SPECIFICATIONS

Technical Section

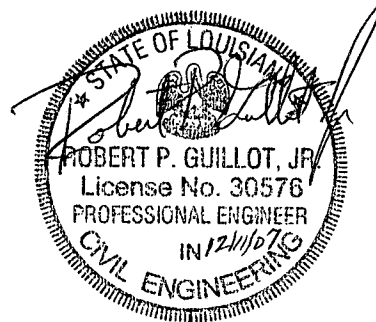
A. Section 17030 – Asphalt Concrete

Delete Section 17030 – Asphalt Concrete and **Replace** it with the attached Section 17030 – Asphalt Concrete.

B. Appendix – Product Drawings and Details - Sheet I

Add the following to General Notes:

10. Soil cement shall have 10% cement mix by volume.
11. Contractor shall remove 2-inches of existing asphalt and/or base from existing roadway prior to soil cement application. Remove material shall be disposed off site by the contractor.



END OF SECTON

TECHNICAL SECTION
DIVISION 17 – ASPHALTIC PAVEMENTS
SECTION 17030 – ASPHALTIC-CONCRETE

PART 1 – GENERAL

1.01 DESCRIPTION

- A. This Section covers requirements for furnishing and placing asphaltic-concrete mixtures at the locations and grades shown on the drawings and to the standards specified herein.
- B. These Specifications shall be applicable to asphaltic-concrete wearing binder and base course mixtures of the plant mix type.

1.02 SUBMITTALS

- A. All products and/or materials to be used in this project shall be submitted to the Engineer in accordance with Section 01340 of Division 1- General Requirements.
- B. Manufactures shall submit with his shop drawings any recommended installation procedures which when approval by the Engineer shall become the basis for inspecting, accepting, and/or rejecting actual installation, procedures used on this Project.
- C. The manufactures shall submit in writing a certification that the product meets these Specifications. Certification shall be in the format similar to the certification form shown at the end of Section 01340.
- D. Mill certificates shall be furnished upon request of the Engineer.

PART 2 – PRODUCTS AND MATERIALS

2.01 BASE COURSE

Base course is the layer or layers of specified material of designed thickness on a sub-base or sub-grade to support a surface course.

2.02 SURFACE COURSE

This item shall includes wearing course consisting of a mixture of mineral aggregate and bituminous materials applied hot on the prepared base in accordance with the lines and grades shown on the drawings and in conformity with the requirements of "Section 501" of the latest revision of Louisiana Standard Specifications for Roads and Bridges.

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2.03 ASPHALTIC CONCRETE MIXTURES

A. Conform in all respects to Section 501 Louisiana Department of Transportation and Development Standard Specifications for Roads and Bridges 2000 Edition. Copies of the amended specifications are available through the Louisiana Department of Transportation and Development General Files Office in Baton Rouge, Louisiana or through the Engineer.

B. **Prime Coat** - Grade Mc-30, or MC-70 cutback asphalt, which conforms to the requirements of Section 1002 LA DOTD Standard Specifications 2000 Edition. Apply under conditions and at rates set forth in Section 505 of referenced specifications. The minimum rate of application is 0.25 gallons per square yard.

C. **Tack Coat** – Undiluted modified asphalt emulsion Grade CRS-2P, CSS-1, SS-1, SS-1P or SS-1L conforming to the requirements of Section 1002 LA DOTD Standard Specifications 2000 Edition. Apply under conditions and at rates set forth in Section 504 of referenced specifications. Maximum rate of application shall not exceed 0.03 gallons per square yard.

D. **Asphaltic-Concrete Mixture** - Type 3 Wearing Course meeting the requirements in Table 1 of Section 501 LA DOTD Standard Specifications for Roads and Bridges 1992 Edition. Submit design mix for approval prior to beginning work. Only mix produced by a LA DOTD certified Asphalt Plant will be acceptable for use on this Project.

E. **Anti-Stripping Additive** - An anti-stripping additive on the Qualified Products List of the LA DOTD will be added at the approximate rate of 0.5 percent by weight of the asphalt cement. It shall be thoroughly mixed with the asphalt cement at the plant.

PART 3 – EXECUTION

3.01 ASPHALTIC CONCRETE EQUIPMENT AND PROCESSES

Place Asphaltic-Concrete Pavement on prepared base course or existing surface after approval of base course by Engineer.

Conform to the applicable portions of Section 503 LA DOTD Standard Specifications 2000 Edition.

3.02 WEATHER LIMITATIONS

Asphaltic-Concrete Mixtures shall not be applied on a wet surface or when ambient temperature is below 50 degrees Fahrenheit except that material in transit or in surge bins at the time plant operation is

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discontinued may be laid; however, mixtures laid shall perform satisfactorily and meet specifications requirements.

3.03 SURFACE PREPARATION

Conform to subsection 501.05 LA DOTD Standard Specifications 2000 Edition. The Contractor's attention is called to that portion of subsection 501.05 on applying liquid asphalt materials both tack and prime coats and the reconditioning or repair of either before the placement of the asphaltic-concrete mixture.

3.04 JOINT CONSTRUCTION

Conform to subsection 501.06 LA DOTD Standard Specifications 2000 Edition.

3.05 HAULING, SPREADING AND FINISHING

Conform to the applicable portions of subsection 501.07 LA DOTD Standard Specifications 2000 Edition. Mixture temperature at time of placement shall be 250 degrees Fahrenheit minimum.

3.06 COMPACTION

Conform to applicable portions of subsection 501.08 LA DOTD Standard Specifications 2000 Edition.

3.07 SURFACE FINISH REQUIREMENTS

The responsibility of testing for surface tolerances rests with the Owner. The Contractor shall furnish a 10-foot rolling straightedge for longitudinal testing and a 10-foot (minimum) static straightedge for transverse testing. Contractor furnished straightedges will be subject to the approval of the Engineer. Variation in surface from the testing edge between any two contact points shall not exceed the following:

Longitudinal	Transverse	Cross Slope
0.30 inch	1/8 inch	3/8 inch

Correction of deficient areas shall be in accordance with subsection 501.10 (e) LA DOTD Standard Specifications 2000 Edition. As required, preparation for and placement of extra, mix will be at no additional cost to the Owner.

3.08 DIMENSIONAL REQUIREMENTS

A. **Thickness** - Under-thickness of the mixture shall not exceed 1/4 inch. Areas with under-thickness in excess of the 1/4 inch shall be corrected to plan thickness at the contractor's expense by furnishing and placing a supplemental layer of wearing course mixture at least 1-1/4 inches

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thick over the entire areas for the full width of the roadway.

B. Width - Under-width of the completed wearing course mixture shall not exceed 1-1/2 inches on each side of the roadway. Under-width in excess of the above shall be corrected to plan width at the contractor's expense by furnishing and placing additional mixture as required.

C. Overrun on plan quantities of asphaltic-concrete pavement shall not exceed 5 percent.

3.09 ACCEPTANCE REQUIREMENTS

A. Conform to subsection 501.12 LA DOTD Standard Specifications 2000 Edition. The Contractor's attention is invited to Table 501-5 Payment Adjustment Schedules for items and materials failing to meet the requirements of this Specification.

B. The Marshall Stability shall be a minimum of 1500 at 75 blows for 100 percent payment.

C. Aggregate Gradation shall meet gradation requirements shown in Table 501-3 as referenced above.

D. Pavement Density shall be a minimum of 92 percent of laboratory density for 100 percent payment.

E. Surface Tolerances shall meet requirements of table as indicated except that payment adjustment percentages shall apply to the linear percentage of pavement exceeding 3/16-inch surface tolerance.

F. Failure to add the Anti-Strip Additive shall result in a maximum of 95 percent payment of contract unit price for asphaltic-concrete pavement.

3.10 REPAIR AND CLEANING

During the course of the work specified herein the Contractor shall repair all pavement damaged by failure of materials or workmanship included under this section. In addition, the Contractor shall repair all pavement damaged by construction operations. The Contractor shall remove damaged areas of pavement, base or sub-base as directed by the Engineer. Replace all materials removed for failure to meet with specifications with materials meeting specifications at no additional cost to the Owner. Clean off dirt, debris and rubbish prior to final inspection and acceptance of work.

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PART 4 – TEST-FIELD CONTROL

4.01 The Owner will employ and pay testing laboratory for field control of the asphaltic-concrete paving work. For tests not meeting specifications rework, remove and replace material in that area. Retesting at the expense of the Contractor. Contractor shall replace and refinish materials cut from the completed work at no additional cost to the Owner.

4.02 The following minimum number of tests may be made:

- A. One density test for each 2,000 square yards or as directed by the Engineer but not less than one per day.
- B. One thickness test (core) for each 2,000 square yards or as directed by the Engineer but not less than one per day.
- C. Extraction, stability and percent cement determination from core samples on a random basis or as directed by the Engineer.
- D. Spot temperature checks.
- E. Random width checks as a minimum at least one every 500 feet.

PART 5 – MEASUREMENT AND PAYMENT

5.01 Payment for street resurfacing, driveways and turnouts will be paid for based on final measurement of asphalt in place and accepted. Delivery tickets of tonnage will be turned in as comparison. No separate payment for tack coat.

5.02 Payment for asphaltic patching/leveling shall be included in pay item for road repair.

END OF SECTION