

**BID PACKAGE AND SPECIFICATIONS**

**FOR**

**ASPHALT PAVING**

**CITY OF LAFAYETTE**

**EXHIBIT A**

**TECHNICAL SPECIFICATIONS**

**ASPHALT OVERLAY**

**CITY OF LAFAYETTE**

## ROADWAY CONSTRUCTION

A-01            Modifications To Tennessee Department of  
                 Transportation Specifications

A-01.01        General:

The "Standard Specifications for Road and Bridge Construction" of the Tennessee Department of Transportation, Nashville, Tennessee, dated March 1, 2006, will govern the work to be performed under these specifications as they are modified herein. Copies of the Standard Specifications for the Tennessee Department of Transportation may be obtained from the State of Tennessee Department of Transportation, James K. Polk Building, Nashville, Tennessee, for the sum of Ten (\$10.00) Dollars.

The provisions of DIVISION 1-GENERAL PROVISIONS; DIVISION 2-CONSTRUCTION DETAILS; and DIVISION 3-MATERIALS, all shall apply as modified hereinafter.

The Contractor shall have at least one copy of the "Standard Specifications for Road and Bridge Construction," dated March 1, 1991, continuously available on the project.

Items and paragraphs not mentioned in the following modifications apply unchanged.

In the event of conflict between the General Conditions and the Standard Specifications the General Conditions shall govern.

A-01.02        Modifications to Division 1 of "Standard  
                 Specifications for Road and Bridge Construction"

Section - Paragraph

101.19        Department

Delete entirely and substitute:    The Owner and the Engineer.

101.21A       Owner

Wherever in these specifications reference is made to the "Owner, it shall mean the City of Lafayette, Tennessee.

103.03        Material Guaranty

Add the following paragraph:    "All workmanship, materials, and equipment of every kind furnished under this contract shall be free from defects of manufacture, materials and/or workmanship. The Contractor agrees hereunder to replace materials, equipment, and workmanship found inherently defective within twelve months after completion and acceptance of the work. In cases where such

defects are caused by forces beyond the Contractor's control, as judged by the Contractor's control, as judged by the Engineer, the replacement will not have to be made by the Contractor."

A-01.03 Modifications to Division 2 of "Standard Specifications for Road and Bridge Construction"

Section 303 Mineral Aggregate Base

This section covers the grading, reshaping, and paving of aggregate on the roadway, as required, and for shoulders as required.

303.13 Method of Measurement

Delete this section and substitute the following:

"Grading, reshaping, and placing of aggregate on the roadway and drive-ways will be measured for payment by the price for mineral aggregate, type A base (grading D), on a per ton basis."

Delete this section and substitute the following:

"Payment will be made on a per ton basis of mineral aggregate, type A base (grading D), complete in place."

Section 307 Bituminous Plant Mix Base (Hot Mix)

307.03 Composition of Mixtures

Change the proportions by weight to read as follows:

Mineral Aggregate	94.0 to 96.5 percent
Asphalt Cement	3.5 to 6.0 percent

307.08 Method of Measurement

Delete this section and substitute the following:

"Bituminous plant mix base shall be measured by batch plant weight tickets issued by a certified weigh man and collected onsite by the owners inspector."

307.09 Basis of Payment

"Payment will be made on a per ton of bituminous plant mix base, complete in place, under the appropriate item number for hot mix 307-01.10 (grading CW)."

Section 403 Tack Coat

This section will be applicable where there is deemed by the owner a need for a tack coat at the time paving is to take place.

## SECTION 02505

### ASPHALT CONCRETE SURFACE

#### Part 1 - General

1.01 Work covered by Contract Documents:

- A. Existing street surfaces shall be prepared in accordance with Tennessee Department of Transportation Section 407.10.
- B. The material and installation shall be in strict compliance with Tennessee Department of Transportation Section 307, Section 407 and Section 411.

#### Part 2 - Materials

2.01 Tack Coat, when requested by the OWNER, shall be in conformance the Tennessee Department of Transportation Section 403.

2.02 Placement of pavement over aggregate base course surface shall first be graded and prime coat applied in accordance with Tennessee Department of Transportation Section 402.

2.03 Reference Specifications: Tennessee Department of Transportation; Roadway and Bridge Specifications, Latest Revision;

- 1. 307-03.03 Bituminous Plant Mix Base Course  
Grade "CW"
- 2. Section 307 - Bituminous Plant Mix Base (Hot Mix)
- 3. Section 402 - Prime Coat
- 4. Section 403 - Tack Coat
- 5. Section 407 - Bituminous Plant Pavements  
(General)
- 6. Section 411 - Asphaltic Concrete Surface (Hot Mix)  
Grade "E"
- 7. Section 415- Cold Planning 1 SY (Copy Attached)
  - 1. This item is per TDOT spec's.
  - 2. The City of Lafayette will keep the millings.
  - 3. The depth of milling will be 2".

#### Part 3 - Installation

3.01 Reference Specifications: Tennessee Department of Transportation; Roadway and Bridge Specifications, Latest Revision;

3.02 Streets to be surfaced shall be determined by the Owner.

3.03 Unless otherwise directed by the Owner, all driveway entrances shall have a paved ramp two (2) feet in length.

3.04 Existing surfaces that are warped and irregular shall be brought to uniform grade and cross-section by use of a leveling mixture conforming to Tennessee Department of Transportation Section 307. The appropriate grading shall be determined by the Owner.

3.05 Special attention is given to the roller requirements of Section 407.

#### **Part 4 - Revision To Standard Specifications**

4.01 Re-striping the streets.

NOTE: Any revisions to the latest published edition of the reference specifications shall supersede the requirements of these specifications.

**END OF SECTION**

### **SECTION 415-COLD PLANING OF BITUMINOUS PLANT MIX PAVEMENTS**

415.01-Description. This work shall consist of cold planing an existing bituminous plant mix pavement in accordance with the requirements of these Specifications and in reasonably close conformity with the lines and grades shown on the Plans or established by the Engineer.

#### **EQUIPMENT**

415.02- Equipment All equipment necessary for the satisfactory performance of this work shall be on hand and approved before work will be permitted to begin. The required equipment shall include a power broom, a water truck, and a planing machine. Equipment shall be furnished to remove the material planed from the pavement. The planing machine shall be a power operated, self-propelled milling machine or grinder capable of removing bituminous concrete to the required width, depth, profile, cross-slope and surface texture. The machine shall be capable of accurately establishing profile by referencing from either the existing pavement or from an independent grade control and shall have positive means for controlling cross-slope. The machine shall have a floating moldboard with sufficient down pressure to plane the milled surface. The machine shall have an effective means of removing cuttings from the pavement and for preventing dust from escaping into the air.

When milling the Interstate or controlled access freeways, the planning machine shall be equipped with a cutter drum at least 12 ft. (3.65 m) wide and be capable of restoring pavement profile with either a contact or noncontact leveling system. A contact leveling system shall be a minimum of 40 ft. (12 m) in length and the non-contact leveling system shall have a minimum of 3 sensors dispersed the length of the machine.

The maximum spacing between teeth on the cutter drum shall not exceed 5/8 in. (15 mm). Supplemental equipment shall be provided as necessary to remove material in areas that cannot be reached by the planning machine.

#### CONSTRUCTION REQUIREMENTS

415.03- General Requirements. The operations shall be so arranged that no vertical longitudinal faces exceed 1-1/4 in. (32 mm) in height in areas to be used by public traffic. Transverse faces shall be tapered in a manner approved by the Engineer to avoid creating a hazard for traffic. The Contractor shall be required to cold plane in the direction of traffic. When milling roadways for hot mix overlays, the planing machine shall operate at a consistent forward speed to provide an acceptable surface texture. The maximum allowable forward speed shall be 60 ft. (18 m)/min when the teeth spacing is between 1/4 and 5/8 in. (13 and 15 mm), and the maximum allowable forward speed shall be 80 feet(24 m)/min when the teeth spacing is less than 1/4 in. (13 mm). After planing, the finished surface shall provide a smooth riding surface free from scallops, scabs, gouges, ridges, oil film, and other imperfections of workmanship, having a uniform texture, and true to the required grade and cross section. The elevation of the longitudinal edges of adjacent cuts shall not differ more than 1/8 in. (3 mm).

Milling shall not commence unless the subsequent layer of pavement can be placed within limitation specified in Subsection 407.09.

The planed pavement shall be thoroughly swept immediately behind the machine and all materials swept up shall be loaded and hauled away. A water truck shall be furnished and used to control dust from the work, when deemed necessary by the Engineer. Where sound pavement has been gouged, torn, or otherwise damaged during the milling operations, or damage is done to any other property of any kind including utility frames, grates, and covers, repairs shall be made by the Contractor at no cost to the Department. The Contractor shall take appropriate measures so that the cold planing operation does not trap water.

415.04- Surface Requirements. Where the planed pavement is not to be resurfaced, the texture shall be uniform throughout the project and shall provide a satisfactory riding surface. The average texture depth shall be no less than 0.20 in. (5 mm).

The finished surface on the Interstate and controlled access freeways shall be of uniform profile throughout, without any scabbing, scallops, gouges, ridges, or other imperfections resulting from worn cutter teeth, improper operating speeds, poor equipment maintenance, or other instances of poor workmanship. The cross-slope shall be as specified on the plans in the tangent, transition, and super-elevated curve sections.

The finished surface after the final cut shall not show a deviation greater than 1/8 in. (3 mm) from a 10 ft. (3 m) straightedge, and the crossslope shall not deviate more than 3/8 in. (10 mm) in 10 ft. (3 m). All irregularities exceeding these limits shall be corrected.

Approaches and tapers shall be acceptably textured when required by the Engineer. Length, width, and depth of cut on approaches and tapers will be as determined by the Engineer. The approaches and tapers shall match the finished cut on the main line and shall be transitioned to the existing surface to within  $\pm 1/8$  in. (3 mm). When deemed necessary by the Engineer, private entrances shall be transitioned to provide a smooth approach to the roadway. Unless otherwise specified on the plans, the cuttings shall become the property of the Contractor and be removed from the project.

#### COMPENSATION

415.05- Method of Measurement. Cold Planing of Bituminous Pavement will be measured by the ton(metric ton) of material removed, by the cubic yard(meter ) of material removed, or by the square yard(meter) of planed pavement. The method of measurement will depend upon the pay item designated in the proposal. Where payment is by the square yard(meter) the pavement acceptably planed will be measured by the square yard(meter) in accordance with Section 109.

Unless otherwise specified, water used to control dust will not be measured for separate payment but will be considered incidental to the planing operation,

415.06-Basis of Payment. The accepted quantity of Cold Planed Bituminous Pavement will be paid for at the contract unit price, which payment shall be full compensation for all labor, materials, equipment, hauling, and incidentals necessary to plane the pavement, control dust, and dispose of the cuttings.

## INFORMATION FOR BIDDERS

### 1. Receipt And Opening Of Proposals

The City of Lafayette, Tennessee (herein called the Owner) invites bids on the form attached hereto, all blanks of which must be appropriately filled in. Bids will be received by the City of Lafayette, Tennessee, at the City Hall, until 10:00 a.m. Central Standard Time, on February 26, 2019, to be opened and read publicly at that time. The envelopes containing the bids must be sealed, addressed to the City of Lafayette, Tennessee and must bear the following information on the outside:

**Name of Bidder**  
**Bidder's Address**  
**Bidder's Tennessee License Number**  
**Bidder's License Classification**  
**Bidder's License Expiration Date**  
**Name of Project and Contract for which bid is submitted**

If forwarded by mail, the sealed envelope containing the bid must be enclosed in another envelope addressed as specified above.

The Owner may consider informal any bid not prepared and submitted in accordance with the provisions hereof, and may waive any informalities or reject any and all bids. Any bid may be withdrawn prior to the above schedule time for the opening of bids or authorized postponement there of. Any bid received after the time and date specified shall not be considered. No bidder may withdraw a bid within twenty-five (25) days after the actual date of the opening thereof.

### 2. Preparation of Proposal

The bidder must submit his proposal on the forms furnished herein. All blank spaces in the Proposal forms must be correctly filled in where indicated for each and every item for which a quantity is given including all alternates, extensions, sub-totals, and totals, etc. The Bid price must be written in ink in numerals and words. In case of conflict between words and numerals, the words, unless obviously incorrect, will govern. No qualifying letters, or statements will be considered.

Totals read at the opening of bids are not guaranteed to be correct, and no award of contract will be made until the bids, extensions, and totals have been checked.

### 3. Qualifications of Bidder

The Owner may make such investigations as he deems necessary to determine the ability of the bidder to perform the work, and the bidder



shall furnish to the Owner all such information and data for this purpose as the Owner may request. The Owner reserves the right to reject any bid if the evidence submitted by, or investigation of, such bidder fails to satisfy the Owner that such bidder is properly qualified to carry out the obligations of the contract and to complete the work contemplated therein. Conditional bids will not be accepted.

#### 4. Bid Security

Each Proposal must be accompanied by a Bidder's Bond on the form contained in the Proposal from a Security Company acceptable to the Owner, or a cashier's check, or certified check payable to the Owner, for not less than twenty percent (20%) of the total amount of the Bid. Check will be returned to all except the three (3) lowest Bidders within three days after the opening of the Bids, and the remaining checks will be returned promptly after the Owner and the accepted Bidder have executed the Contract, or if no award has been made within 60 days after the date of the opening of Bids upon demand of the Bidder at any time hereafter, so long as he has not been notified of the acceptance of his bid.

#### 5. Liquidated Damages For Failure To Enter Into Contract

The successful Bidder, upon his failure or refusal to execute and deliver the Contract and Bonds required within 10 days after he has received notice of the acceptance of his Bid, shall forfeit to the Owner, as liquidated damages for failure or refusal, the security deposited with his Bid.

#### 6. Security For Faithful Performance

The Owner may make such investigations as deemed necessary to determine the ability of the Bidder to perform the work, and the Bidder shall furnish to the Owner all such information and data for this purpose as the Owner may request. The Owner reserves the right to reject any Bid if the evidence submitted by, or investigation of, such Bidder fails to satisfy the Owner that such Bidder is properly qualified to carry out the obligations of the Agreement and to complete the work contemplated therein.

#### 7. Laws And Regulations

The Bidder's attention is directed to the fact that all applicable State Laws, municipal ordinances, and the rules and regulations of all authorities having jurisdiction over construction of the project shall apply to the contract throughout and they will be deemed to be included in the contract the same as thought herein written out in full.

#### 8. Method Of Award - Lowest Qualified Bidder

If at the time this contract is to be awarded, the lowest bid submitted by a responsible bidder does not exceed the amount of funds then estimated by the Owner as available to finance the Contract, the Contract will be awarded on the base bid only. If such bid exceeds such amount, the Owner may reject all bids or may award the Contract on the base bid combined with the deductible alternate as listed in the Form of Bid, to produce a net amount which is within the available funds.

9. Obligation of Bidder

At the time of the opening of Bids, each Bidder will be presumed to have inspected the site, and to have read and to be thoroughly familiar with the plans, and Contract Documents (including all addenda). The failure or omission of any bidder to examine any form, instrument, or document shall in no way relieve any Bidder from any obligation in respect to his Bid.

10. Contract Extension

The City of Lafayette reserves the right to extend the contract for a period of one year, if agreeable with the contractor. The extension will be based on the Tennessee Department of Transportation liquid asphalt cement index.

City of Lafayette, 200 East Locust, PO Box 275, Lafayette, TN 37083  
Phone: 615-666-2194

## PROPOSAL

**To:** City of Lafayette, Tennessee

The undersigned bidder has carefully examined the site of the work described herein; has become familiar with local conditions and the work character and extent of the work; has carefully examined, the Technical Specifications, Information for Bidders, the form of contract, and the form of Contract Bond, and thoroughly understands their stipulations, requirements and provisions.

The undersigned bidder has determined the quality and quantity of materials required; has investigated the location and determined the sources of supply of materials required; has investigated labor conditions; has arranged for the continuous prosecution of the work herein described.

The undersigned bidder hereby agrees to be bound by the award of the Contract; and, if awarded the Contract on this Proposal, the Technical Specifications, and Information for Bidders shall be a part.

The undersigned bidder further agrees to provide all necessary equipment, tools, incidentals, and other means of construction to do all the work and to furnish all the materials of the specified requirements which are necessary to complete the work in accordance with the Proposal, and the Technical Specifications, and agrees to accept therefore, as payment in full, the unit prices for the various items described in the Proposal.

The bidder understand that the quantities of work shown herein are approximate only and are subject to increase or decrease and agrees that all quantities of work, whether increased or decreased are to be performed at the unit prices stated in the following Estimated of Quantities and Schedule of Prices for the work described. The undersigned bidder declares that this Proposal is made without connection with any other person or persons making proposals for the same work, and is in all respects fair and without collusion or fraud.

In compliance with your Advertisement for Bids, the undersigned hereby proposes to furnish the materials and perform the work for completion of all items listed below in strict accordance with the Advertisement for Bids, information for Bidders, Technical quoted in the following items, and agrees, upon receipt of written notice of the acceptance of this Proposal within sixty (60) days after the date of the opening of the Proposals, that it will execute a contract in accordance with the Proposal as accepted, sureties, within ten (10) days after receipt of notice of formal award of Contract and presentation of the prescribed forms.

**ESTIMATE OF QUANTITIES AND SCHEDULE OF PRICES**

The Contractor shall fill in a price, in both numbers and words, for each item on this Proposal form. Failure to fill in a price for any item on the Proposal will be considered sufficient grounds for declaring the Bid irregular.

Item No.	Description & Unit	Unit Price
1.	Bituminous Plant Mix Base "307 (Hot Mix) Grading C-W Mixture  For _____ Dollars _____ Cents, Per Ton	Ton \$ _____
2.	Bituminous Material for Tack Coat (TC)  For _____ Dollars _____ Cents, Per Ton	Ton \$ _____
3.	Clip Shoulders, Per Lineal Mile  For _____ Dollars _____ Cents, Per Lineal Mile	Lineal Mile \$ _____
4.	Paint Striping, Per Lineal Mile  For _____ Dollars _____ Cents, Per Lineal Mile	Lineal Mile \$ _____
5.	Cold Planing, Per Square Yard  For _____ Dollars _____ Cents, Per Square Yard	Per Square Yard \$ _____

*The City of Lafayette reserves the right to reject any or all bids.*

*Bid deadline February 26, 2019 at 10:00 a.m.*

The undersigned bidder submits herewith proposal guaranty in an amount of not less than twenty percent (20%) of the total amount of the Proposal offered and agrees and consents that the Proposal guaranty shall be forfeited to the owner as liquidated damages if the required contract bond is not executed within ten (10) days from the date of the notice of the award and work has been started as required in the following paragraph.

The undersigned bidder further agrees, if awarded the Contract in accordance with this Proposal, to begin work within then (10) days after the date of the Notice to Proceed, and further agrees that, within fifteen (15) days after the date to furnish such other equipment necessary to complete the work set forth.

All work to be completed within 90 (ninety) days after notice to proceed has been given.

By \_\_\_\_\_ Contractor \_\_\_\_\_

By \_\_\_\_\_

Address \_\_\_\_\_

Witness \_\_\_\_\_

Bidder's Tennessee Contractor's Number \_\_\_\_\_

Bidder's License Expiration Date \_\_\_\_\_

**NOTICE TO VENDORS**

**Sealed proposals including vendor name and address will be received by the City of Lafayette, at the office of the City of Lafayette Recorder's Office, 200 East Locust St., Lafayette, TN 37083, the hour 3:00 p.m., on the 26<sup>th</sup> day of February, 2019 at which time proposals duly delivered and submitted.**

Until the final award by the City of Lafayette, said city reserves the right to reject any and/or all proposals, to waive technicalities, to re-advertise, to proceed otherwise when the best interests of the City will be realized hereby. Proposals will be submitted sealed and plainly marked with the date and time of receipt.

Proof of insurance will be required by bidder.

The City of Lafayette does not discriminate based on race, color or national origin in federal or state sponsored programs, pursuant to Title VI of the Civil Rights Act of 1964 (42 U.S.C. 2000d).With regard to all aspects of this contract, contractor certifies and warrants it will comply with this policy.

**CITY OF LAFAYETTE CONTRACT MONITORING**

TDOT requires that sub-recipients maintain records of those ethnic and gender groups who are awarded bids on projects.

For Title VI compliance, we ask for voluntary disclosure of the following information:

Gender: Male \_\_\_\_\_ Female\_\_\_\_\_

Race: Caucasian\_\_\_\_\_

African American\_\_\_\_\_

Hispanic\_\_\_\_\_

American Indian and Alaskan Native \_\_\_\_\_

Native Hawaiian or other Pacific Islander\_\_\_\_\_

Other (please specify)\_\_\_\_\_

