

CITY OF
MANCHESTER

BID PACKAGE AND
SPECIFICATIONS FOR
ASPHALT PAVING

INFORMATION FOR BIDDERS

❖ Receipt and Opening of Proposals

The City of Manchester, Tennessee (herein called the Owner) invites bids on the form attached hereto, all blanks must be appropriately filled in. Bids will be received at City Hall in Manchester, Tennessee in the city Finance Directors office. Bid will be received until _____ on _____, 2016 at which time they will be opened and read publicly. The envelopes containing the bids must be sealed, addressed to the City of Manchester, 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 / 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 informality or reject any and all bids. 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 opening thereof.

❖ 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 solicitation has been requested, 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.

❖ 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. 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 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.

5. 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 contract the same as though herein written out in full.

6. 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 the Addenda). The failure or omission of any Bidder from any obligation in respect to his Bid.

CITY OF MANCHESTER / BID PROPOSAL

This bid proposal is for the annual asphalt pavement installation and related items for the City of Manchester. The material type, placement location, scheduling and inspection will be coordinated with and at the direction of the Street Department Superintendent. The initial contract period resulting from this "Bid Proposal" will be for one year. An extension of the contract will be permitted based on a mutual agreement between the City of Manchester and the contractor. Asphaltic materials supplied from award of this bid will be subject to the TDOT "SPECIAL PROVISION Regarding Bituminous Price Adjustment. The current liquid asphalt index for September 2016 is \$334.09.

Bid submission will be to the City of Manchester, before _____ on _____, 2016 at Manchester Finance Directors Office, 200 West Fort Street, Manchester Tennessee.

All work to be accordance with the latest edition of the Tennessee Department of Transportations Standard Specifications for Road and Bridge Construction. Payment for the attached bid items is outlined in the TDOT Standard Specifications. Payment for traffic control, street edge de-grassing and power broom cleaning of streets prior asphalt installation will be considered incidental the type of mix being placed. Street repairs, cross drain replacement, structure (i.e. water / gas valves) adjustment or any other type preliminary work prior to asphalt installation shall not be the contractors responsibility.

The undersigned bidder has carefully examined the site of the work described herein; has become familiar with local conditions and the work character and extend of the work: has carefully examined, the Technical specifications. Information for bidders, the form of Contract, 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 determine 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, to execute within ten (10) days after notice of award, the Contract and the Contract Bonds if applicable. The Information for Bidders, Bid Proposal, Contract, Technical Specifications or any other documents related by reference shall be considered part of this bid and incorporated thereby.

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 therefor, as payment in full, the unit prices for the various items described in the Proposal.

The Bidder understands 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 preformed at the unit prices stated in the following Estimate 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 proposal for the same work, and is in all respects fair and without collusion or fraud.

In compliance with the 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 to Bidders, Technical Specifications, and all other contract documents for the consideration of the prices quoted in the following items, and agrees, upon receipt of written notice to mobilize within 10 days and complete the work as directed by the Manchester Street Department Superintendent within a reasonably allowed time frame.

ESTIMATE OF QUANTITIES AND SCHEDULE OF PRICES

The Contractor shall fill in a price, in numbers and extension totals 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.

DESCRIPTION	UNIT PRICE	EXTENDED TOTAL PRICE
Pug Mill Base Stone, (Various Applications) Bid Quantity - 2500-tons Price Per Ton, Installed in-place	\$ _____	\$ _____
Roadway Excavation for Pavement Patching, (8-inches to 16-inches) Bid Quantity - 950-square yards Price Per Square Yards	\$ _____	\$ _____
Bituminous Tack Coat, Bid Quantity - 1200-gallons Price Per Gallon, Installed in-place	\$ _____	\$ _____
Bituminous Plant Mix Base, Grade 307 B-modified PG64-22 Bid Quantity - 750- tons Price Per Ton, Installed in-place	\$ _____	\$ _____
Bituminous Plant Mix Base, Grade 307 B-modified PG64-22 Bid Quantity - 200-tons Price Per Ton, F.O.B. Plant	\$ _____	\$ _____
Bituminous Plant Mix Base, Grade 411-E mix PG64-22 Bid Quantity - 1940-tons Price Per Ton, Installed in-place	\$ _____	\$ _____
Bituminous Plant Mix Base, Grade 411-E mix PG64-22 Bid Quantity - 500-tons Price Per Ton, F.O.B. plant	\$ _____	\$ _____
Bituminous Plant Mix Base, Grade 411 D-mix PG64-22 Bid Quantity - 1500-tons Price Per Ton, Installed in-place	\$ _____	\$ _____
Painted Pavement Markings, (4-inch line) Bid Quantity - 10-linear Miles Price Per Linear Mile	\$ _____	\$ _____
Raised Reflective Pavement Markers Bid Quantity - 250-each Price Per Each	\$ _____	\$ _____
Thermo Plastic pavement markings, (CHANNELIZATION STRIPING) Bid Quantity - 100-square yard Price Per Square Yard	\$ _____	\$ _____
Thermo Plastic pavement markings, (STOP LINE) Bid Quantity - 160-linear feet Price Per Linear Foot	\$ _____	\$ _____
Thermo Plastic pavement markings, (TURN ARROW) Bid Quantity - 6-each Price Per Each	\$ _____	\$ _____
Thermo Plastic pavement markings, (STOP) Bid Quantity - 12-each Price Per Each	\$ _____	\$ _____

Thermo Plastic Pavement Markings, (4-inch line)
Bid Quantity - 10-linear Miles
Price Per Linear Mile \$ _____ \$ _____

Thermo Plastic pavement markings, (STRAIGHT ARROW)
Bid Quantity - 15-each
Price Per Each \$ _____ \$ _____

Thermo Plastic pavement markings, (COMBINATION ARROW)
Bid Quantity - 5-each
Price Per Each \$ _____ \$ _____

Thermo Plastic pavement markings, (RXR)
Bid Quantity - 5-each
Price Per Each \$ _____ \$ _____

0 – 2-inch Cold Planning of Bituminous Material
Bid Quantity - 5000 Square Yards
Price Per Square Yard \$ _____ \$ _____

2 – 4-inch Cold Planning of Bituminous Material (Quantity to be certified by weigh ticket)
Bid Quantity - 1000 Tons
Price Per Ton \$ _____ \$ _____

TOTAL OF EXTENDED PRICES \$ _____

Contractor: _____

By: _____

Address : _____

Title: _____

Bidder's Tennessee Contractor's License Number: _____

License Expiration Date: _____

Location of Bidder's Plant: _____

**CITY OF
MANCHESTER**
(2016 Annual Bid)

EXHIBIT A

**TECHNICAL SPECIFICATIONS
ASPHALT OVERLAY**

ROADWAY CONSTRUCTION

A-01 Modifications to Tennessee Department of Specifications

A-01.01 General

The "Standard Specifications for Roads and Bridge Construction" of the Tennessee Department of Transportation, Nashville, Tennessee dated January 1, 2015, 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.

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 "Standards Specifications for Road and Bridge Construction," dated January 1, 2015 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 Manchester, 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 hereinunder 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 supported by the Contractor's demonstration, and supported by the engineer's judgement, the replacement will not have to be made by the Contractor.

A-01.03 Modification to Division 2 of “Standard Specifications for Roads and Bridges Construction”

Section 307 Bituminous Plant Mix Base (Hot Mix)

307.03 Composition of Mixtures

Change the proportions to read as following:

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 certified weight tickets issued by a certified weighman and collected onsite by the owners inspector or representative.

307.09 Basis of Payment

Delete this section and substitute the following:

“Payment will be made on a per ton of bituminous plant mix asphalt, installed complete and in place under the appropriate grade letter description. Payment for materials purchased and installed by the owner’s forces will be made on a per ton of bituminous plant mix asphalt, F.O.B. the plant under the appropriate grade letter description.”

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.

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 with the Tennessee department of Transportation Section 403.

2.02 All asphalt wearing surface shall be TDOT 411-02.01 mineral aggregate for Asphalt Concrete Surface Grading "E" with TDOT 411-02.02 Asphalt Cement for Asphalt Concrete Surface Grade "E", unless otherwise specified.

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

- 1. Section 307 – Bituminous Plant Mix Base (Hot Mix)
- 2. Section 403 – Tack Coat
- 3. Section 407 – Bituminous Plant Pavements (General)
- 4. Section 411 – Asphalt Concrete Surface (Hot Mix)

PART 3 – INSTALLTION

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 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 or 411. 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 Revise the Master Range in Section 930.11 © as follows:

Asphalt Concrete Surface Course Mixture Designation Master Range of Gradations
Total Percent Passing, By Weight

Sieve Size	D	E	F	B-Mod
3/4 inch	100	100	100	100
5/8 inch	100	100	100	81-93
1/2 inch	95-100	95-100	100	57-73
No. 4	53-80	53-80	85-100	40-56
No. 8	36-60	36-60	75-95	28-43
No. 30	16-32	16-32	35-70	13-25
No. 50	8-21	8-21	20-50	9-19
No. 100	3-14	3-14	5-20	6-10
No. 200	3-10	3-10	3-15	2.5-6.5

4.02 Add the following at the end of the Master Range Gradation Table in Section 903.11 (c)

A. Delete the entire section under: Grading “D” in subsection 903.11 (c) and substitute the following:

1. The coarse aggregate shall consist of crushed gravel, crushed granite, crushed slag, crushed quartzite, crushed calcareous sandstone or crushed gneiss.

Crushed stone may be used provided it has the following chemical and physical characteristics;

- a. Silica Dioxide content – minimum of 50 %
- b. Calcium carbonate content – maximum of 32 %
- c. The coarse aggregate shall contain a minimum of 50 % by weight of the original sample of acid insoluble residues that are coarser than the No. 100 mesh sieve when tested in accordance with ASTM D – 3043.

4.03 When Grading E is to be used, as a surface for traffic lanes, the mineral aggregate shall be composed of not less than 50 percent, nor more than 80 percent crushed limestone, and not more than 50 percent or not less than 20 percent natural sand, slag sand, sand manufactured from gravel, or any combination of these design materials, except as herein specified. All or any part of this may be calcareous sandstone, including Size 10 (Screenings) or manufactured sand.

4.04 The sand percentage on the job mix formula shall be in the range of 20 – 50 percent. However, if needed to meter improve the specific design criteria, the limestone and sand percentage may be altered by the numerical value of 5 percent from the percentage shown on the original job mix formula. If the aggregate percentage shown on the original job mix formula are altered the Contractor shall submit a new job mix formula using the aggregate percentages shown on the design.

4.05 All work and material shall meet the Tennessee Department of Transportation specific 407-QA for quality assurance.

Any revisions of the latest published edition of the referenced specification shall supersede the requirements of these specifications.

END OF SECTION



**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION DIVISION
SUITE 700, JAMES K. POLK BUILDING
505 DEADERICK STREET
NASHVILLE, TENNESSEE 37243-1402
(615) 741-2414**

**JOHN C. SCHROER
COMMISSIONER**

**BILL HASLAM
GOVERNOR**

Memorandum

TO: All Regional Transportation Directors

FROM: Grant Heintzman, Transportation Project Specialist

SUBJECT: Monthly Bituminous Material Index- Special Provision 109B Regarding Price Adjustment for Bituminous Material

DATE: November 1, 2016

In regards to Special Provision 109B, "Regarding Price Adjustment for Bituminous Material", please be advised that the "Monthly Bituminous Material Index" for November, 2016 is \$329.55 per ton (\$363.26 per tonne).

Please distribute this index to your field construction offices so the appropriate price adjustments may be made in accordance with the Special Provision.