

SPECIFICATIONS
FOR
ASPHALT CONCRETE HOT MIX SURFACE COURSE

DESCRIPTION: The work performed under this item shall consist of placing and asphalt hot mix surface course on a completed and accepted base course. The thickness of the asphalt surface course shall be in accordance with the plans and specifications, or as directed by the Owner. The texture of the surface course shall be uniform and all hand work required at apertures, curbs, turnouts, etc., shall be neat and blend in with the overall texture. The deviation from the prescribed sections as shown on the plans or as directed by the engineer shall not be more than 1/8 inch in any direction when tested with a 10 foot straight edge.

ASPHALT CONCRETE HOT MIX SURFACE COURSE: Asphalt concrete as described herein shall consist of mineral aggregate and asphalt cement (PG-6422), and shall meet the requirements of Section 407 of the Arkansas Highway and Transportation Department Standard Specifications for Highway Construction Edition of 2014. A mix design approved by the Arkansas Highway and Transportation Department (AHTD) for use in new construction or maintenance of low volume highways within AHTD District 3 shall be used for all ASPHALT CONCRETE SURFACE COURSE placed under this Contract.

COMPOSITION: The ACHM Surface Course shall be composed of combinations mineral aggregate which, when combined, will meet the mix design criteria as designated herein or as approved by AHTD for District 3 use.

When the results of field tests indicate the mix design is marginal or outside the above design criteria, the Owner may require a new mix design or other actions to bring the mix design back into the limits of the design criteria.

TESTING AND INSPECTION: When directed by the Owner, tests of field samples shall be performed by an independent testing laboratory for compliance with the following:

- (1) Sieve analysis for each aggregate used in the mixture.
- (2) Density and voids analysis.
- (3) Extraction test to confirm mix design limits.
- (4) Water sensitivity test ASTM 1095 (water soaked)

All testing shall be as directed by the Owner. The test reports shall be submitted to the Owner and shall become the property of the Owner. All tests that comply with these standards shall be paid for by the Owner. In the event of failing test results, the Owner shall notify the contractor as soon as practicable and corrective action shall be made prior to continuing work. The Owner may, at its option, reject any material placed under this Contract that fails to meet specified test requirements. Any retesting of failed samples will be paid for by the Contractor. Rejected material will be removed and replaced by the Contractor at no additional cost to the Owner.

CONSTRUCTION

The Contractor shall remove all grass, weeds, dirt and deleterious material over which the ACHM shall be laid prior to placing ACHM surface course.

Unless otherwise directed by the Owner, an application of emulsified asphalt tack coat shall be applied at a rate of .08 to .12 gallons per square yard. The tack coat shall be RC-70 or RC-250 Cut back Asphalt and shall be listed on the ARKANSAS HIGHWAY AND TRANSPORTATION DEPARTMENT QUALIFIED PRODUCTS LIST or shall otherwise be approved by the Arkansas Highway and Transportation Department (AHTD) for use in new construction or maintenance of low volume highways within AHTD District 3. Tack Coat will not be measured for payment but will be considered subsidiary to the item Asphalt Concrete Surface course.

The ACHM Surface shall be placed at a rate of 220 lbs. per square yard (220lb/SY). Where directed by the Owner, existing paving will be removed by milling or by sawing and excavation at the points where the placement of proposed surface begins and ends for a longitudinal length sufficient to provide for a smooth transition of the roadway profile grade from the existing surface to the proposed surface. The mixture shall be placed at a temperature of 275 to 350 degrees Fahrenheit at the time of placement. No asphaltic concrete mixture shall be placed when the air temperature is below 45 degrees F and falling, but it may be placed if the temperature is above 40 degrees F and rising. All field construction, placing, compacting and workmanship of the ACHM shall be conducted in accordance with the ARKANSAS HIGHWAY AND TRANSPORTATION DEPARTMENT 2014 STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

The surfacing work shall in no way hinder good drainage. Areas ponding water shall be repaired.

In cases where material or construction do not satisfactorily meet the specifications and the limitations of the project mix design, the mix will be removed and replaced in accordance with the specifications without additional cost to the Owner.

The Contractor shall assume full responsibility for the protection of the work in progress during construction. Traffic control devices, signs, barricades, flaggers and other related items shall be furnished, placed and maintained by the contractor as necessary to provide for the safe passage of public traffic through the work area.

MEASUREMENT

Asphaltic Concrete Hot Mix Pavement manufactured and placed in accordance with these specifications will be measured by the ton. Scale tickets shall be furnished to the Owner at the time and place of delivery. At least one copy of each ticket shall be retained by both the contractor and the Owner.

BASIS OF PAYMENT

The Asphalt Concrete Surface Course completed and accepted under this item shall be paid for at the contract unit price for the actual tons measured. The unit bid prices shall include all materials, labor, equipment, and overhead to complete the work within the scope of these guidelines.

PROPOSAL

ITEM	QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
1.	2300 Tons	Furnish all materials, labor and equipment necessary to place and compact Asphaltic Concrete Hot Mix Pavement in accordance with the project specifications.	_____	_____

Contractor will have until November 15, 2018 to complete the work unless otherwise approved by the Owner. The Contractor will notify the Owner one week prior to commencing with the project. Periodic payment, based on quantities of work performed and accepted will be made the 10th of each calendar month until the project is completed.

This is a Proposal of _____.

The undersigned party is duly authorized to enter the bidding organization into a contract.

Signature and title

Date

CONTRACT

THIS AGREEMENT made and entered into this _____ Day of _____ 2018, by and between the CITY OF HOPE, Hope, Arkansas (Party of First Part, hereinafter called the Owner) and _____ (Party of the Second Part, hereinafter called the Contractor).

WITNESSETH: Contractor has agreed, and by these presents does agree with the Owner to furnish all equipment, tools, materials, skill and labor of every description of the herein described work, in strict conformity with the specifications, together with the foregoing Proposal of the Contractor and the Notice to Bidders, shall perform all essential parts to this Agreement. The work covered by this specification to wit:

ASPHALT CONCRETE HOT MIX SURFACE COURSE

The Contractor awarded work for this project shall have until November 15, 2018 to complete the work.

If said work is not completed within the time stated, the Contractor shall be liable and hereby agrees to pay the Owner as liquidated damage and not as a penalty, the amount of THREE HUNDRED AND NO/100 DOLLARS (\$300.00) per day as liquidation of the extra expense incurred by the Owner and liquidated damages to the Owner.

The Owner shall pay and the Contractor shall receive the price stipulated in the proposal hereto attached as full compensation for everything furnished and done by the Contractor under this Contract, the full sum of _____ based on the quantities shown in the proposal which sum shall be paid in the manner and terms specified in the Contract Documents.

The Owner may withhold, in addition to the retained percentages, such amount or amounts as may be necessary to pay just claims for labor and services rendered and materials in and about the work.

Contractor shall furnish valid certificates of liability insurance and workman's compensation insurance.

IN WITNESS WHEREOF the parties hereto have executed this agreement in quadruplicate this _____ Day of _____ 2018.

BY: _____
(OWNER)

ATTEST:

(CONTRACTOR)

By: _____

ATTEST:
