

FHWA TEXAS DIVISION	PROJECT NO.	SHEET NO.
	MMC 6436-88-001	1
STATE	DISTRICT	COUNTY
TEXAS	LFK	ANGELINA
CONTROL SECTION	JOB	HIGHWAY NO.
6436	88	001 FM 324

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3	ESTIMATE & QUANTITY SHEET
4	QUANTITY SUMMARIES

STATE OF TEXAS
DEPARTMENT OF TRANSPORTATION

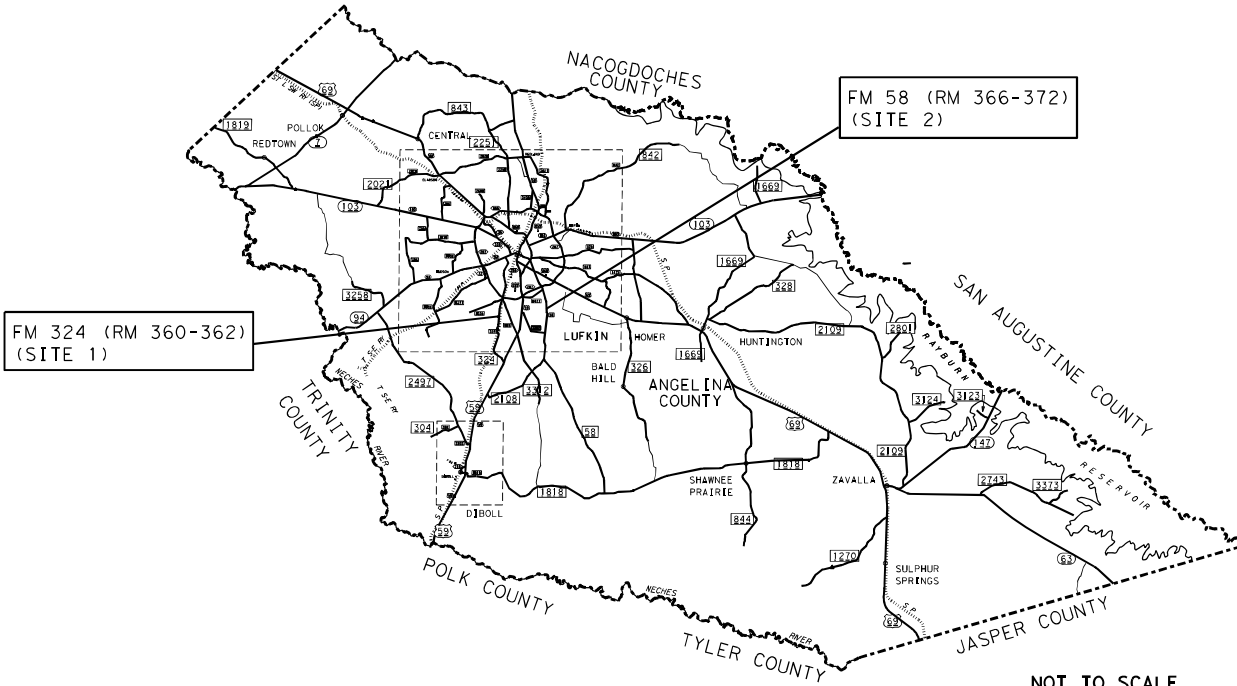
PLANS OF PROPOSED
STATE HIGHWAY IMPROVEMENT
TYPE OF WORK:

SUPERPAVE MIXTURES & DENSE-GRADED HOT-MIX ASPHALT : MATERIALS ONLY

MMC 6436-88-001

FM 324

ANGELINA COUNTY MAINTENANCE SECTION
(PICK UP AT PLANT AND DELIVERY TO SITES)



NOT TO SCALE

SPECIFICATIONS ADOPTED BY THE TEXAS DEPARTMENT OF TRANSPORTATION NOVEMBER 1, 2014 AND SPECIAL SPECIFICATION ITEMS INCLUDED IN THE CONTRACT SHALL GOVERN ON THIS PROJECT.

RECOMMENDED FOR LETTING:
 Designed by: Jeremy King, PE 2/23/2023
 DISTRICT MAINTENANCE ENGINEER DATE
 5135292FE4184A4
 APPROVED FOR LETTING: [Signature] 2/23/2023
 DIRECTOR OF OPERATIONS DATE

Project Number: MMC 6436-88-001**Control: 6436-88-001****County: Angelina****Highway: FM 324****GENERAL NOTES:**

PROJECT DESCRIPTION: Provide Superpave Mixtures TY C and Dense-Graded Hot-Mix Asphalt Types B (Materials Only) at the plant for pickup to use on state-maintained roadways within the Angelina County Maintenance Section. Deliver Dense-Graded Hot-Mix Asphalt, Type D (material only) to specified state-maintained roadways in the Angelina County Maintenance Section.

Contractor questions on this project are to be addressed to the following individual(s):

Jeremy King Jeremy.King@txdot.gov
 Jenna Lenderman Jenna.Lenderman@txdot.gov

Questions may be submitted via the Letting Pre-Bid Q&A web page. This webpage can be accessed from the Notice to Contractors dashboard located at the following Address:
<https://tableau.txdot.gov/views/ProjectInformationDashboard/NoticetoContractors>

All contractor questions will be reviewed by the Engineer. All questions and any corresponding responses that are generated will be posted through the same Letting Pre-Bid Q&A web page.

The Letting Pre-Bid Q&A web page for each project can be accessed by using the dashboard to navigate to the project you are interested in by scrolling or filtering the dashboard using the controls on the left. Hover over the blue hyperlink for the project you want to view the Q&A for and click on the link in the window that pops up.

TXDOT PROJECT SUPERVISORS: All work on this contract will be scheduled and directed by the Maintenance Section Supervisor listed below. Payment will be made monthly for work completed and accepted according to specifications. All payment requests should be directed to the following Maintenance Section Supervisor listed below.

<u>COUNTY</u>	<u>SUPERVISOR</u>	<u>ADDRESS</u>	<u>CONTACT #</u>
Angelina	Josh Bobbitt	1410 Kurth Drive Angelina, TX 75901	(936) 634-3414

CONTRACT PROSECUTION: Each contract awarded by the Department stands on its own and, as such, is separate from other contracts. A Contractor awarded multiple contracts must be capable and sufficiently staffed to concurrently process any or all contracts at the same time.

Prior to beginning operations, the Department will arrange a preconstruction conference between representatives of the Department and the Contractor. In this meeting, the representatives from all parties will discuss the contract, proposed procedures and the plans for performing the work while providing for safe passage of traffic at all times. Specifications, unusual conditions, and other pertinent items regarding the work will also be discussed.

Project Number: MMC 6436-88-001**Control: 6436-88-001****County: Angelina****Highway: FM 324****ITEM 2: INSTRUCTIONS TO BIDDERS**

View plans on-line or download from the web at:

<https://www.txdot.gov/business/letting-bids/plans-online.html>

Order plans from any of the plan reproduction companies shown on the web at:

http://www.dot.state.tx.us/business/contractors_consultants/repro_companies.htm

Bid items on this contract are listed to establish a unit price for each item. Certain items listed in the proposal may not be used if it is determined by the Engineer that the work will not be required. Actual work performed as directed will be paid utilizing these prices with no further compensation made regardless of the final quantities.

ITEM 4: SCOPE OF WORK

The contract may be extended twice if in the judgment of the Engineer, the contractor has satisfactorily fulfilled the terms and conditions of the contract. The extension must be agreed upon in writing by both parties to the contract and may be extended for an additional period of time not to exceed the original contract time period. The extended contract may be for additional quantities up to the original bid quantities plus any quantities added by an approved change order. The extensions shall meet the terms and conditions of the original contract or any mutually agreed modifications to the said terms and conditions by one or more cumulative change orders. The Engineer will set a deadline for completing the agreements. This deadline will be based in the time needed to re-let and award a new contract if no extension is agreed upon.

ITEM 8: PROSECUTION AND PROGRESS

Contract Time - The number of calendar days for this project shall be 120 days or until contract funds are expended.

Time charges will be in accordance with Article 8.3.1.5 "Calendar Day".

For "pick-up" operations, have materials ready within a 48 hour's notice, and for "delivery" operations, have the materials ready within 7 calendar days, unless otherwise approved by the Engineer. Notify the Angelina County Maintenance Supervisor when encountering any unforeseen delays.

ITEM 500: MOBILIZATION

Mobilization does not apply to this materials contract.

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Control: 6436-88-001

County: Angelina

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ITEM 8006: SUPERPAVE MIXURES (MATERIALS ONLY)

No Department-owned RAP is available.

Use aggregate that meets the SAC requirements of Class A. TX-203 will be ran on the complete mix and a requires minimum of 45%.

Use of a substitute PG binder one grade below the PG binder specified will be allowed as long as the material meets the originally specified binders Hamburg requirements. The above criteria must continue to be met during production, and additional tests will be performed at a frequency determined by the engineer. Binder substitution is limited to a reduction in one high temperature grade. The limitation does not apply to low temperature grade. Binder substitution is allowed when aged recycled binder is used.

Add hydrated lime to all HMA mixtures at a minimum rate of 1.0% by weight of the total aggregate, except for those mixtures containing RAP and/or RAS. Mixtures that contain RAP and/or RAS shall be designed at a minimum rate of 0.5 % of lime by weight and the test results will be evaluated by the engineer to determine if lime or a liquid anti-strip additive will be used. The hydrated lime shall meet the requirements of DMS-6350, "Lime and Lime Slurry". The hydrated lime shall be added in accordance with the construction method in Item 301, "Asphalt Antistripping Agents". This lime will be subsidiary to this item.

Trial batches may be required whenever the design has not been produced in the previous 12 months. Trial batches will be subsidiary to the bid item.

On Table 1, under 3077.2.1.3, the Sand equivalent, %, Min is void and not replaced. The minimum percent for the sand equivalent shall be 45 for the combined aggregate.

ITEM 8011: DENSE-GRADED HOT-MIX ASPHALT (SMALL QUANTITY) (MATERIALS ONLY)

No RAS will be allowed. Use aggregate that meets the SAC requirement of Class B. Use a Texas Gyratory Compactor (TGC) or a Superpave Gyratory Compactor (SGC) to design the mixture.

Add hydrated lime to all HMA mixtures at a minimum rate of 1.0% by weight of the total aggregate, except for those mixtures containing RAP. Mixtures that contain RAP and/or RAS shall be designed at a rate of minimum 0.5% of lime by weight and the test results will be evaluated by the engineer to determine if lime or a liquid anti-strip additive will be used. The hydrated lime shall meet the requirements of DMS-6350, "Lime and Lime Slurry". The hydrated lime shall be added in accordance with the construction method in Item 301, "Asphalt Antistripping Agents, unless otherwise approved. This lime will be subsidiary to this item.

The Plant is the designated aggregate sampling location, unless otherwise approved by the Engineer.

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This contract is for small quantities only. The contractor shall be able to provide agreed upon amounts as needed. Contact the Angelina County Maintenance Supervisor at least 1 hour prior to delivery.

The Contractor's driver shall report to the Angelina County Maintenance Supervisor or their representative at the time of arrival at the final delivery location and obtain a signature documenting the date and time of delivery and departure.

The site locations for deliveries are as follows:

- Site 1: FM 324 (RM 360 -362)
200 Tons Needed
- Site 2: FM 58 (RM 366 -372)
200 Tons Needed

For Hauling Operations

- Roadway delivery times will be scheduled by the Angelina County Maintenance Supervisor.
- Plant will be no further than (50) miles from the Angelina County Maintenance Section.

For Pick Up Operations:

- Contractor will have material ready for pick-up on the mutually agreed upon day and time.
- Contractor pick-up site will be no further than fifty (50) miles from the Angelina County Maintenance Yard.
- A minimum of 500 tons of Superpave will be picked up each time. It is estimated that there will be 4 pick-ups.



Estimate & Quantity Sheet

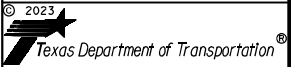
CONTROLLING PROJECT ID 6436-88-001

DISTRICT Lufkin
HIGHWAY FM0324

COUNTY Angelina

CONTROL SECTION JOB				6436-88-001		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00194746			
COUNTY				Angelina			
HIGHWAY				FM0324			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL		
	8006-6016	SP TY C PG 76-22 (PICKUP)	TON	2,000.000		2,000.000	
	8011-6011	D-GR HMA(SQ)TY D PG 64-22 (DLVR)SITE 1	TON	200.000		200.000	
	8011-6012	D-GR HMA(SQ)TY D PG 64-22 (DLVR)SITE 2	TON	200.000		200.000	
	8011-6014	D-GR HMA(SQ)TY B PG 64-22 (PICKUP)	TON	200.000		200.000	

SUMMARY OF MATERIAL ITEMS					
ITEM NO.		8006-6016	8011-6011	8011-6012	8011-6014
COUNTY	HIGHWAYNO.	SP TY C PG 76-22 (PICKUP)	D-GR HMA(SQ) TY D PG 64-22 (DLVR) SITE 1	D-GR HMA(SQ) TY D PG 64-22 (DLVR) SITE 2	D-GR HMA(SQ) TY B PG 64-22 (PICKUP)
		TON			
ANGELINA					200
ANGELINA		2,000			
ANGELINA	SITE 1: FM 324 (RM 360-362)		200		
ANGELINA	SITE 2: FM 58 (RM 366-372)			200	
PROJECT TOTALS		2,000	200	200	200

QUANTITY SUMMARY			
			
CONT	SECT	JOB	HIGHWAY
6436	88	001	FM 324
DIST	COUNTY		SHEET NO.
LFK	ANGELINA		4