



Matthew G. Bevin
Governor

**COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET**

Frankfort, Kentucky 40622
www.transportation.ky.gov/

Greg Thomas
Secretary

December 5, 2018

CALL NO. 324
CONTRACT ID NO. 182410
ADDENDUM # 2

Subject: BARREN COUNTY, FD05 005 0090 000-004
Letting December 7, 2018

- (1) Revised - Summary Sheet - Page 9 of 55
- (2) Added - Special Note for Fog Seal - Page 19(a) of 55
- (3) Revised - Proposal Bid Items - Page 55 of 55

Proposal revisions are available at <http://transportation.ky.gov/Construction-Procurement/>.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

A handwritten signature in black ink that reads "Rachel Mills".

Rachel Mills, P.E.
Director
Division of Construction Procurement

RM:mr
Enclosures



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SURFACING AREAS

The Department estimates the mainline surfacing width to be varied 24 to 48 feet.

The Department estimates the total mainline area to be surfaced to be 55,451 square yards.

The Department estimates the shoulder width to be 1 foot on each side.

The Department estimates the total shoulder area to be surfaced to be 3,532 square yards.

ASPHALT MIXTURE

Unless otherwise noted, the Department estimates the rate of application for all asphalt mixtures to be 110 lbs/sy per inch of depth.

INCIDENTAL SURFACING

The Department has included in the quantities of asphalt mixtures established in the proposal estimated quantities required for resurfacing or surfacing mailbox turnouts, farm field entrances, residential and commercial entrances, curve widening, ramp gores and tapers, and road and street approaches, as applicable. Pave these areas to the limits as shown on Standard Drawing RPM-110-06 or as directed by the Engineer. In the event signal detectors are present in the intersecting streets or roads, pave the crossroads to the right of way limit or back of the signal detector, whichever is the farthest back of the mainline. Surface or resurface these areas as directed by the Engineer. The Department will not measure placing and compacting for separate payment but shall be incidental to the Contract unit price for the asphalt mixtures.

OPTION B

Be advised that the Department will control and accept compaction of asphalt mixtures furnished on this project under OPTION B in accordance with Sections 402 and 403.

October, 2018

SPECIAL NOTE FOR FOG SEAL

Except as provided herein, conform to all requirements of the current Standard Specifications for Road and Bridge Construction. Section references are to the Standard Specifications. For chip seal applications, use an approved fog seal material applied in two passes in opposite directions at a rate of 0.05 – 0.08 gallons per square yard with a total rate of 0.10-0.16 gallons per square yard. The emulsion used for fog sealing chip application shall be diluted between 28-32%.

For all other applications, use undiluted approved fog seal material at a rate of 0.12-0.16 gallons per square yard. The recommended emulsions are to be in accordance with AASHTO M208 or M140.

Before applying the fog seal, sweep the chip seal or roadway to remove any loose aggregate, mud, dirt, dust, and other caked material or loose foreign material that may have accumulate on the roadway. Uniformly apply the asphalt emulsion with an asphalt distributor or approved equipment in accordance with Section 406.03.03b except apply at the rates specified herein. Contrary to section 406 of the Standard Specification, material shall maintain a temperature range of 120° to 180° F during application. The fog seal shall be applied when air temperature is at least 50 degrees F and rising and a minimum surface temperature of 70 degrees F.

Any water added to the emulsion must meet the requirements of Section 803 of the Standard Specifications. If placed over a chip/scrub seal treatment, the application shall be a minimum of 5 to a maximum of 10 calendar days after the treatment application.

Adjust operations as necessary and as directed by the engineer to achieve complete, uniform coverage of the application. Correct areas of incomplete coverage by hand spraying or by a second application of material as approved by the engineer. Any fog seal material applied in excess of the requirements shall be covered or removed with a blotter course dry sand as directed by the Engineer.

Payment will be based on the accepted, weighed tons of diluted emulsion applied as specified. Payment per ton of “Asphalt Emulsion for Fog Seal” will be full compensation for all labor, materials, and equipment necessary to prepare the surface for treatment, application of the emulsion, corrective work, and protection of the emulsion until cured. Dry sand used as a blotter course due to excessive use of fog seal will not be considered for payment. Liquid asphalt and fuel adjustments will not be considered for payment for all fog seal applications.

Application Rates of Material.

Properties	Minimum	Maximum
Application rate of emulsion for chip seal Fog seal application required in both directions	0.05	0.08
Application rate of emulsion for non chip seal	0.12	0.16
Emulsion temperature, F	120	180

PROPOSAL BID ITEMS

Report Date 12/5/18

Section: 0001 - MICROSURFACE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0005	21652EN		MICROSURFACING-LEVELING COURSE (ADDED: 11-29-18)	55,451.00	SQYD		\$	
0010	24957EC		MICROSURFACING-SURFACE COURSE - TYPE B (REVISED: 11-29-18)	55,451.00	SQYD		\$	

Section: 0002 - THINLAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0020	00356		ASPHALT MATERIAL FOR TACK	24.00	TON		\$	
0030	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0040	02677		ASPHALT PAVE MILLING & TEXTURING	25.00	TON		\$	
0050	23307EC		CL3 ASPH SURF NO.4B PG64-22	2,300.00	TON		\$	

Section: 0003 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0070	02562		TEMPORARY SIGNS	410.00	SQFT		\$	
0080	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0090	02671		PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH		\$	
0100	02775		ARROW PANEL	2.00	EACH		\$	
0110	06510		PAVE STRIPING-TEMP PAINT-4 IN	31,786.00	LF		\$	
0120	06514		PAVE STRIPING-PERM PAINT-4 IN	71,519.00	LF		\$	
0130	06574		PAVE MARKING-THERMO CURV ARROW	4.00	EACH		\$	
0140	06600		REMOVE PAVEMENT MARKER TYPE V	527.00	EACH		\$	
0145	24878EC		ASPHALT EMULSION FOR FOG SEAL (ADDED: 12-5-18)	18.00	TON		\$	

Section: 0004 - DEMOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0150	02569		DEMOBILIZATION	1.00	LS		\$	