



Andy Beshear
GOVERNOR

TRANSPORTATION CABINET

200 Mero Street
Frankfort, Kentucky 40601

Jim Gray
SECRETARY

November 4, 2024

CALL NO. 411
CONTRACT ID NO. 243121
ADDENDUM # 1

Subject: Trimble County, 112GR23R059-CB06
Letting November 14, 2024

- (1) Added - Special Note - Page 14A-14C of 40
- (2) Revised - Material Summary - Page 23 of 40
- (3) Revised - Proposal Bid Items - Page 40 of 40

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 cursive script that reads "Rachel Mills".

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

RM:mr
Enclosures

October 2021

SPECIAL NOTE FOR NON-TRACKING TACK COAT

1. DESCRIPTION AND USEAGE. This specification covers the requirements and practices for applying a non-tracking tack asphalt coating. Place this material on the existing pavement course, prior to placement of a new asphalt pavement layer. Use when expedited paving is necessary or when asphalt tracking would negatively impact the surrounding area. This material is not suitable for other uses. Ensure material can “break” within 15 minutes under conditions listed in 3.2.

2. MATERIALS, EQUIPMENT, AND PERSONNEL.

2.1 Non-Tracking Tack. Provide material conforming to Subsection 2.1.1.

2.1.1 Provide a tack conforming to the following material requirements:

Property	Specification	Test Procedure
Viscosity, SFS, 77 ° F	20 – 100	AASHTO T 72
Sieve, %	0.3 max.	AASHTO T 59
Asphalt Residue ¹ , %	50 min.	AASHTO T 59
Oil Distillate, %	1.0 max.	AASHTO T 59
Residue Penetration, 77 ° F	20 max.	AASHTO T 49
Original Dynamic Shear (G*/sin δ), 82 ° C	1.0 min.	AASHTO T 315
Softening Point, ° F	149 min.	AASHTO T 53
Solubility, %	97.5 min.	AASHTO T 44

¹ Bring sample to 212 °F over a 10-15 minute period. Maintain 212 °F for 15-20 minutes or until 30-40 mL of water has distilled. Continue distillation as specified in T59.

2.2. Equipment. Provide a distributor truck capable of heating, circulating, and spraying the tack between 170 °F and 180 °F. Do not exceed 180 °F. Circulate the material while heating. Provide the correct nozzles that is recommend by the producer to ensure proper coverage of tack is obtained. Ensure the bar can be raised to between 14” and 18” from the roadway.

2.3. Personnel. Ensure the tack supplier has provided training to the contractor on the installation procedures for this product. Make a technical representative from the supplier available at the request of the Engineer.

3. CONSTRUCTION.

3.1 Surface Preparation. Prior to the application of the non-tracking tack, ensure the pavement surface is thoroughly dry and free from dust or any other debris that would inhibit adhesion. Clean the surface by scraping, sweeping, and the use of compressed air. Ensure this preparation process occurs shortly before application to prevent the return of debris on to the pavement. If rain is expected within one hour after application, do not apply material. Apply material only when the surface is dry, and no precipitation is expected.

October 2021

3.2 Non-tracking Tack Application. Placement of non-tracking tack is not permitted from October 1st to May 15th. When applying material, ensure the roadway temperature is a minimum of 40°F and rising. Prior to application, demonstrate competence in applying the tack according to this note to the satisfaction of the Engineer. Heat the tack in the distributor to between 170 – 180 °F. After the initial heating, between 170 – 180 °F, the material may be sprayed between 165 °F and 180 °F. Do not apply outside this temperature range. Apply material at a minimum rate of 0.70 pounds (0.08 gallons) per square yard. Ensure full coverage of the material on the pavement surface. Full coverage of this material is critical. Increase material application rate if needed to achieve full coverage. Schedule the work so that, at the end of the day's production, all non-tracking tack is covered with the asphalt mixture. If for some reason the non-tracking tack cannot be covered by an asphalt mixture, ensure the non-tracking tack material is clean and reapply the non-tracking tack prior to placing the asphalt mixture. Do not heat material more than twice in one day.

3.3 Non-tracking Tack Certification. Furnish the tack certification to the Engineer stating the material conforms to all requirements herein prior to use.

3.4 Sampling and Testing. The Department will require a sample of non-tracking tack be taken from the distributor at a rate of one sample per 15,000 tons of mix. Take two 1 gallon samples of the heated material and forward the sample to the Division of Materials for testing within 7 days. Ensure the product temperature is between 170 and 180 °F at the time of sampling.

4. MEASUREMENT. The Department will measure the quantity of non-tracking tack in tons. The Department will not measure for payment any extra materials, labor, methods, equipment, or construction techniques used to satisfy the requirements of this note. The Department will not measure for payment any trial applications of non-tracking tack, the cleaning of the pavement surface, or furnishing and placing the non-tracking tack. The Department will consider all such items incidental to the non-tracking tack.
5. PAYMENT. The Department will pay for the non-tracking tack at the Contract unit bid price and apply an adjustment for each manufacturer's lot of material based on the degree of compliance as defined in the following schedule. Non-tracking tack will not be permitted for use from October 1st to May 15th. From September 1st to June 1st, the department will allow the use of an approved asphalt emulsion in lieu of a non-tracking tack product but will not adjust the unit bid price of the material. When a sample fails on two or more tests, the Department may add the deductions, but the total deduction will not exceed 100 percent.

October 2021

Non-Tracking Tack Price Adjustment Schedule						
Test	Specification	100% Pay	90% Pay	80% Pay	50% Pay	0% Pay
Viscosity, SFS, 77 ° F	20 – 100	19 - 102	17 - 18	15 - 16	14	≤13
			103 - 105	106 - 107	108 - 109	≥ 110
Sieve, %	0.30 max.	≤ 0.40	0.41 - 0.50	0.51 - 0.60	0.61 - 0.70	≥ 0.71
Asphalt Residue, %	50 min.	≥49.0	48.5 – 48.9	48.0 – 48.4	47.5-47.9	≤ 47.4
Oil Distillate, %	1.0 max.	≤1.0	1.1-1.5	1.6 - 1.7	1.8-1.9	>2.0
Residue Penetration, 77 ° F	20 max.	≤ 21	22 - 23	24 - 25	26 - 27	≥ 28
Original Dynamic Shear (G*/sin δ), 82 ° C	1.0 min.	≥0.95	0.92 – 0.94	0.90 – 0.91	0.85 - 0.89	≤ 0.84
Softening Point, ° F	149 min.	≥145	142 - 144	140 - 141	138 - 139	≤ 137
Solubility, %	97.5 min.	≥ 97.0	96.8 – 96.9	96.6 – 96.7	96.4 – 96.5	≤ 96.3

<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
24970EC	Asphalt Material for Tack Non-Tracking	Ton

MATERIAL SUMMARY

CONTRACT ID: 243121

112GR23R059-CB06

0511212562501

FISHER RIDGE RD (KY 1256) FROM DETMER LN (CR 1315), EAST 0.079 MILES, EXTENDING EASTERLY TO KY 625. ASPHALT RESURFACING, A DISTANCE OF .83 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0005	00190	LEVELING & WEDGING PG64-22	49.00	TON
0010	00301	CL2 ASPH SURF 0.38D PG64-22	710.00	TON
0020	02562	TEMPORARY SIGNS	230.00	SQFT
0025	02650	MAINTAIN & CONTROL TRAFFIC - (KY 1256)	1.00	LS
0030	02676	MOBILIZATION FOR MILL & TEXT - (KY 1256)	1.00	LS
0035	02677	ASPHALT PAVE MILLING & TEXTURING	30.00	TON
0040	06510	PAVE STRIPING-TEMP PAINT-4 IN	4,382.00	LF
0045	06515	PAVE STRIPING-PERM PAINT-6 IN	8,764.00	LF
0050	06568	PAVE MARKING-THERMO STOP BAR-24IN	14.00	LF
0055	02569	DEMOBILIZATION	1.00	LS
0060	24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING - (ADDED 11-4-24)	4.00	TON

CONTRACT ID: 243121

112GR23R059-CB06

0511231752501

SULPHUR BEDFORD RD (KY 3175) FROM HOSKINS LN (CR 1150), EXTENDING NORTHERLY TO US 42. ASPHALT RESURFACING, A DISTANCE OF 2.42 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0060	00190	LEVELING & WEDGING PG64-22	110.00	TON
0065	00301	CL2 ASPH SURF 0.38D PG64-22	1,600.00	TON
0075	02562	TEMPORARY SIGNS	210.00	SQFT
0080	02650	MAINTAIN & CONTROL TRAFFIC - (KY 3175)	1.00	LS
0085	02676	MOBILIZATION FOR MILL & TEXT - (KY 3175)	1.00	LS
0090	02677	ASPHALT PAVE MILLING & TEXTURING	95.00	TON
0095	06510	PAVE STRIPING-TEMP PAINT-4 IN	12,778.00	LF
0100	06514	PAVE STRIPING-PERM PAINT-4 IN	25,556.00	LF
0105	06568	PAVE MARKING-THERMO STOP BAR-24IN	12.00	LF
0110	02569	DEMOBILIZATION	1.00	LS
0115	24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING - (ADDED 11-4-24)	8.00	TON

PROPOSAL BID ITEMS

Report Date 11/4/24

Page 1 of 1

Section: 0001 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00190		LEVELING & WEDGING PG64-22	159.00	TON		\$	
0020	00301		CL2 ASPH SURF 0.38D PG64-22	2,310.00	TON		\$	
0040	02562		TEMPORARY SIGNS	440.00	SQFT		\$	
0050	02650		MAINTAIN & CONTROL TRAFFIC (KY 1256)	1.00	LS		\$	
0060	02650		MAINTAIN & CONTROL TRAFFIC (KY 3175)	1.00	LS		\$	
0070	02676		MOBILIZATION FOR MILL & TEXT (KY 1256)	1.00	LS		\$	
0080	02676		MOBILIZATION FOR MILL & TEXT (KY 3175)	1.00	LS		\$	
0090	02677		ASPHALT PAVE MILLING & TEXTURING	125.00	TON		\$	
0100	06510		PAVE STRIPING-TEMP PAINT-4 IN	17,160.00	LF		\$	
0110	06514		PAVE STRIPING-PERM PAINT-4 IN	25,556.00	LF		\$	
0120	06515		PAVE STRIPING-PERM PAINT-6 IN	8,764.00	LF		\$	
0130	06568		PAVE MARKING-THERMO STOP BAR-24IN	26.00	LF		\$	
0135	24970EC		ASPHALT MATERIAL FOR TACK NON-TRACKING (ADDED 11-4-24)	12.00	TON		\$	

Section: 0002 - DEMOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0140	02569		DEMOBILIZATION	1.00	LS		\$	