



TRANSPORTATION CABINET

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

Steven L. Beshear
Governor

Michael W. Hancock, P.E.
Secretary

December 5, 2013

CALL NO. 201
CONTRACT ID NO. 131234
ADDENDUM # 1

Subject: Boone County, 121GR13D034-STP 8124 (018)
Letting December 13, 2013

- (1) Revised - Table of Contents - Page 2 of 193
- (2) Added - Option A - Page 17 of 193
- (3) Added - Special Note - Page 18(a) of 193
- (4) Revised - Bid Items - Pages 190-193 of 193

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 blue ink that reads "Ryan Griffith".

Ryan Griffith
Acting Director
Division of Construction Procurement

RG:ks
Enclosures



An Equal Opportunity Employer M/F/D

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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.

JPC RIDE QUALITY

The Department will apply JPC Ride Quality requirements on this project in accordance with Section 501.03.19(B).

ASPHALT PAVEMENT RIDE QUALITY CATEGORY B

The Department will apply Pavement Rideability Requirements on this project in accordance with Section 410, Category B.

FUEL AND ASPHALT PAY ADJUSTMENT

The Department has included the Contract items Asphalt Adjustment and Fuel Adjustment for possible future payments at an established Contract unit price of \$1.00. The Department will calculate actual adjustment quantities after work is completed. If existing Contract amount is insufficient to pay all items on the contract with the adjustments, the Department will establish additional monies with a change order.

OPTION A

Be advised that the Department will accept compaction of asphalt mixtures furnished for driving lanes and ramps, at 1 inch (25mm) or greater, on this project according to OPTION A in accordance with Section 402 and Section 403 of the current Standard Specifications. The Department will require joint cores as described in Section 402.03.02 for surface mixtures only. The Department will accept compaction of all other asphalt mixtures according to OPTION B.

Item Nos. 6-2041.00 & 6-3700.00
US 42, Boone County

SPECIAL NOTE FOR GEOGRID REINFORCEMENT

DESCRIPTION

This special note covers geogrid used for reinforcement of aggregate bases.

MATERIALS

Furnish Tensar TX5 Triaxial Geogrid or approved equivalent. Any alternate submitted by the Contractor for consideration should include detailed testing information and performance history. The geogrid for this project was included in the structural calculations to achieve the desired pavement structure based on the specific soil and traffic information. The information provided should include the improvement to the resilient modulus of the aggregate layer.

Ensure that each roll is labeled with the manufacturer's name, product type, lot number, roll number, manufactured date, and roll dimension.

CONSTRUCTION

1. Geogrid Representative. Ensure that a representative of the geogrid manufacturer is on the project when work begins, and remains on call as the project progresses, to advise the Engineer.
2. Surface Preparation. Prepare the surface according to Section 207 and Section 208.
3. Geogrid Placement. Place geogrid at the proper elevation and alignment, in continuous strips with overlapping according to the manufacturer's recommendations. Verify the geogrid orientation (roll direction). Geogrid may be temporarily secured in place with staples, pins, sand bags or backfill as required by fill properties, fill placement procedures, or weather conditions as the Engineer directs.
4. Aggregate Placement. Place aggregate over the geogrid according to the Contract. Place, spread, and compact the aggregate in such a manner that minimizes the development of wrinkles and movement in the geogrid. The Department will require a minimum loose fill thickness of 6 inches prior to operation of tracked vehicles over the geogrid. Keep the turning of tracked vehicles to a minimum to prevent displacement of the fill and damage to the geogrid. Rubber tired equipment may pass over the geogrid reinforcement at slow speeds (less than 10 mph) when integrally-formed geogrid is used, and the subgrade is competent to support wheel loading without deformation. Avoid sudden braking and sharp turning movements. Repair any damage caused during placement or by vehicles.

MEASUREMENT

The Department will measure the quantity of geogrid in square yards. The Department will not measure providing the geogrid manufacturer's representative for payment and will consider it incidental to the geogrid.

PAYMENT

The Cabinet will make payment for the completed and accepted quantities under the following:

<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
20263ED	Geogrid Reinforcement	Square Yard

The Cabinet will consider payment as full compensation for all work required in this note.

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	21,210.00	TON		\$	
0020	00005		GEOGRID REINFORCEMENT FOR SUBGRADE	19,704.00	SQYD		\$	
0030	00100		ASPHALT SEAL AGGREGATE	29.00	TON		\$	
0040	00103		ASPHALT SEAL COAT	4.00	TON		\$	
0050	00214		CL3 ASPH BASE 1.00D PG64-22	11,428.00	TON		\$	
0060	00216		CL3 ASPH BASE 1.00D PG76-22	3,952.00	TON		\$	
0070	00387		CL3 ASPH SURF 0.38B PG76-22	1,890.00	TON		\$	
0080	02058		REMOVE PCC PAVEMENT	36,481.00	SQYD		\$	
0090	02071		JPC PAVEMENT-11 IN	20,061.00	SQYD		\$	
0100	02072		JPC PAVEMENT-11 IN SHLD	2,233.00	SQYD		\$	
0110	02091		REMOVE PAVEMENT	5,116.00	SQYD		\$	
0120	02101		CEM CONC ENT PAVEMENT-8 IN	471.00	SQYD		\$	
0130	02596		FABRIC-GEOTEXTILE TYPE I	256.00	SQYD		\$	
0140	02599		FABRIC-GEOTEXTILE TYPE IV	21,799.00	SQYD		\$	
0150	02677		ASPHALT PAVE MILLING & TEXTURING	124.00	TON		\$	
0160	20071EC		JOINT ADHESIVE	15,036.00	LF		\$	
0170	20263ED		GEOGRID REINFORCEMENT	5,785.00	SQYD		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0180	01000		PERFORATED PIPE-4 IN	897.00	LF		\$	
0190	01705		REMOVE CURB & GUTTER BOX INLET	5.00	EACH		\$	
0200	01740		CORED HOLE DRAINAGE BOX CON-4 IN	9.00	EACH		\$	
0210	01810		STANDARD CURB AND GUTTER	4,300.00	LF		\$	
0220	01812		REMOVE CURB AND GUTTER	1,129.00	LF		\$	
0230	01830		STANDARD INTEGRAL CURB	3,502.00	LF		\$	
0240	01845		ISLAND INTEGRAL CURB	188.00	LF		\$	
0250	01875		STANDARD HEADER CURB	53.00	LF		\$	
0260	01891		ISLAND HEADER CURB TYPE 2	518.00	LF		\$	
0270	01917		STANDARD BARRIER MEDIAN TYPE 2	4.00	SQYD		\$	
0280	02014		BARRICADE-TYPE III	30.00	EACH		\$	
0290	02058		REMOVE PCC PAVEMENT	4,053.00	SQYD		\$	
0300	02101		CEM CONC ENT PAVEMENT-8 IN	117.00	SQYD		\$	
0310	02200		ROADWAY EXCAVATION	392.00	CUYD		\$	
0320	02242		WATER (FOR DUST CONTROL)	169.00	MGAL		\$	
0330	02351		GUARDRAIL-STEEL W BEAM-S FACE	1,942.00	LF		\$	
0340	02365		CRASH CUSHION TYPE IX-A	1.00	EACH		\$	
0350	02367		GUARDRAIL END TREATMENT TYPE 1	2.00	EACH		\$	
0360	02369		GUARDRAIL END TREATMENT TYPE 2A	3.00	EACH		\$	
0370	02373		GUARDRAIL END TREATMENT TYPE 3	1.00	EACH		\$	
0380	02377		GUARDRAIL CONNECTOR TO BRIDGE END TY C	7.00	EACH		\$	
0390	02381		REMOVE GUARDRAIL	2,203.00	LF		\$	
0400	02391		GUARDRAIL END TREATMENT TYPE 4A	1.00	EACH		\$	
0410	02429		RIGHT-OF-WAY MONUMENT TYPE 1	19.00	EACH		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0420	02562		TEMPORARY SIGNS	1,100.00	SQFT		\$	
0430	02585		EDGE KEY	433.00	LF		\$	
0440	02650		MAINTAIN & CONTROL TRAFFIC (MALL ROAD)	1.00	LS		\$	
0450	02650		MAINTAIN & CONTROL TRAFFIC (US 42)	1.00	LS		\$	
0460	02654		TRUCK MOUNTED ATTENUATOR	4.00	EACH		\$	
0470	02671		PORTABLE CHANGEABLE MESSAGE SIGN	8.00	EACH		\$	
0480	02676		MOBILIZATION FOR MILL & TEXT (MALL ROAD)	1.00	LS		\$	
0490	02690		SAFELOADING	21.00	CUYD		\$	
0500	02701		TEMP SILT FENCE	1,050.00	LF		\$	
0510	02705		SILT TRAP TYPE C	5.00	EACH		\$	
0520	02708		CLEAN SILT TRAP TYPE C	15.00	EACH		\$	
0530	02709		CLEAN TEMP SILT FENCE	3,150.00	LF		\$	
0540	02720		SIDEWALK-4 IN CONCRETE	1,258.00	SQYD		\$	
0550	02721		REMOVE CONCRETE SIDEWALK	1,292.00	SQYD		\$	
0560	02726		STAKING (MALL ROAD)	1.00	LS		\$	
0570	02726		STAKING (US 42)	1.00	LS		\$	
0580	02775		ARROW PANEL	4.00	EACH		\$	
0590	04953		TEMP RELOCATION OF SIGNAL HEAD	17.00	EACH		\$	
0600	05950		EROSION CONTROL BLANKET	3,500.00	SQYD		\$	
0610	05952		TEMP MULCH	2,840.00	SQYD		\$	
0620	05990		SODDING	3,389.00	SQYD		\$	
0630	06405		SBM ALUMINUM PANEL SIGNS	69.00	SQFT		\$	
0640	06410		STEEL POST TYPE 1	116.00	LF		\$	
0650	06510		PAVE STRIPING-TEMP PAINT-4 IN	30,000.00	LF		\$	
0660	06514		PAVE STRIPING-PERM PAINT-4 IN	30,396.00	LF		\$	
0670	06515		PAVE STRIPING-PERM PAINT-6 IN	360.00	LF		\$	
0680	06549		PAVE STRIPING-TEMP REM TAPE-B	53,600.00	LF		\$	
0690	06550		PAVE STRIPING-TEMP REM TAPE-W	55,675.00	LF		\$	
0700	06551		PAVE STRIPING-TEMP REM TAPE-Y	52,487.00	LF		\$	
0710	06565		PAVE MARKING-THERMO X-WALK-6 IN	1,191.00	LF		\$	
0720	06568		PAVE MARKING-THERMO STOP BAR-24IN	622.00	LF		\$	
0730	06569		PAVE MARKING-THERMO CROSS-HATCH	160.00	SQFT		\$	
0740	06572		PAVE MARKING-DOTTED LANE EXTEN	410.00	LF		\$	
0750	06574		PAVE MARKING-THERMO CURV ARROW	50.00	EACH		\$	
0760	06575		PAVE MARKING-THERMO COMB ARROW	2.00	EACH		\$	
0770	06576		PAVE MARKING-THERMO ONLY	3.00	EACH		\$	
0780	06585		PAVEMENT MARKER TY IVA-MW TEMP	155.00	EACH		\$	
0790	06586		PAVEMENT MARKER TY IVA-MY TEMP	240.00	EACH		\$	
0800	06588		PAVEMENT MARKER TY IVA-BY TEMP	190.00	EACH		\$	
0810	06589		PAVEMENT MARKER TYPE V-MW	44.00	EACH		\$	
0820	06590		PAVEMENT MARKER TYPE V-MY	84.00	EACH		\$	
0830	06591		PAVEMENT MARKER TYPE V-BY	146.00	EACH		\$	
0840	10020NS		FUEL ADJUSTMENT REVISED: 12-5-13	15,216.00	DOLL	\$1.00	\$	\$15,216.00
0850	10030NS		ASPHALT ADJUSTMENT REVISED: 12-5-13	23,567.00	DOLL	\$1.00	\$	\$23,567.00
0860	20099ES842		PAVE MARK TEMP PAINT STOP BAR	393.00	LF		\$	
0870	21370ED		LONGITUDINAL SAW CUT- 6 IN	1,181.00	LF		\$	
0880	21659NN		RELOCATE SIGNAL HEAD	50.00	EACH		\$	
0890	22680EN		QWICK CURB MEDIAN SEPARATOR	122.00	LF		\$	

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PROPOSAL BID ITEMS

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0900	23143ED		KPDES PERMIT AND TEMP EROSION CONTROL (US 42)	1.00	LS		\$	
0910	23158ES505		DETECTABLE WARNINGS	86.00	SQFT		\$	
0920	23158ES505		DETECTABLE WARNINGS (RED)	308.00	SQFT		\$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0930	00078		CRUSHED AGGREGATE SIZE NO 2	11.00	TON		\$	
0940	00462		CULVERT PIPE-18 IN	4.00	LF		\$	
0950	00521		STORM SEWER PIPE-15 IN	47.00	LF		\$	
0960	00522		STORM SEWER PIPE-18 IN	469.00	LF		\$	
0970	01000		PERFORATED PIPE-4 IN	7,482.00	LF		\$	
0980	01010		NON-PERFORATED PIPE-4 IN	208.00	LF		\$	
0990	01015		INSPECT & CERTIFY EDGE DRAIN SYSTEM (US 42)	1.00	LS		\$	
1000	01020		PERF PIPE HEADWALL TY 1-4 IN	6.00	EACH		\$	
1010	01024		PERF PIPE HEADWALL TY 2-4 IN	1.00	EACH		\$	
1020	01028		PERF PIPE HEADWALL TY 3-4 IN	2.00	EACH		\$	
1030	01032		PERF PIPE HEADWALL TY 4-4 IN	2.00	EACH		\$	
1040	01204		PIPE CULVERT HEADWALL-18 IN	1.00	EACH		\$	
1050	01456		CURB BOX INLET TYPE A	7.00	EACH		\$	
1060	01458		CURB BOX INLET TYPE A T	9.00	EACH		\$	
1070	01480		CURB BOX INLET TYPE B	1.00	EACH		\$	
1080	01484		CURB BOX INLET TYPE B-T	1.00	EACH		\$	
1090	01642		JUNCTION BOX-18 IN	1.00	EACH		\$	
1100	01691		FLUME INLET TYPE 2	2.00	EACH		\$	
1110	01718		REMOVE INLET	1.00	EACH		\$	
1120	01740		CORED HOLE DRAINAGE BOX CON-4 IN	25.00	EACH		\$	
1130	02165		REMOVE PAVED DITCH	77.00	SQYD		\$	
1140	02484		CHANNEL LINING CLASS III	484.00	TON		\$	
1150	02600		FABRIC GEOTEXTILE TY IV FOR PIPE	684.00	SQYD		\$	
1160	20366NN		REPLACE GRATE (APPROXIMATELY 3' X 3.5')	1.00	EACH		\$	
1170	23131ER701		PIPELINE VIDEO INSPECTION	260.00	LF		\$	

Section: 0004 - TRAFFIC LOOPS

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
1180	04792		CONDUIT-1 IN	195.00	LF		\$	
1190	04793		CONDUIT-1 1/4 IN	300.00	LF		\$	
1200	04795		CONDUIT-2 IN	130.00	LF		\$	
1210	04811		ELECTRICAL JUNCTION BOX TYPE B	26.00	EACH		\$	
1220	04820		TRENCHING AND BACKFILLING	515.00	LF		\$	
1230	04830		LOOP WIRE	9,826.00	LF		\$	
1240	04844		CABLE-NO. 14/5C	2,018.00	LF		\$	
1250	04845		CABLE-NO. 14/7C	285.00	LF		\$	
1260	04850		CABLE-NO. 14/1 PAIR	3,794.00	LF		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
1270	04880		STEEL STRAIN POLE	4.00	EACH		\$	
1280	04886		MESSENGER-15400 LB	475.00	LF		\$	
1290	04894		PREFORMED LOOP/LEAD-IN	180.00	LF		\$	
1300	04895		LOOP SAW SLOT AND FILL	5,227.00	LF		\$	
1310	04931		INSTALL CONTROLLER TYPE 170	1.00	EACH		\$	
1320	04950		REMOVE SIGNAL EQUIPMENT	1.00	EACH		\$	
1330	04960		REMOVE AND REPLACE SIDEWALK	5.00	SQYD		\$	
1340	06472		INSTALL SPAN MOUNTED SIGN	12.00	EACH		\$	
1350	20093NS835		INSTALL PEDESTRIAN HEAD-LED	6.00	EACH		\$	
1360	20094ES835		TEMP RELOCATION OF SIGNAL HEAD	2.00	EACH		\$	
1370	20188NS835		INSTALL LED SIGNAL-3 SECTION	7.00	EACH		\$	
1380	20189NS835		INSTALL LED SIGNAL-5 SECTION	2.00	EACH		\$	
1390	20266ES835		INSTALL LED SIGNAL- 4 SECTION	2.00	EACH		\$	
1400	20360ES818		WOOD POST	2.00	EACH		\$	
1410	20453ES835		PREFORMED QUADRAPOLE LOOPS	612.00	LF		\$	
1420	20456NS835		INSTALL TEMP VIDEO CAMERA	26.00	EACH		\$	
1430	20468EC		ELECTRICAL JUNCTION BOX-10 X 8 X 4	2.00	EACH		\$	
1440	21743NN		INSTALL PEDESTRIAN DETECTOR	6.00	EACH		\$	
1450	23157EN		TRAFFIC SIGNAL POLE BASE	19.00	CUYD		\$	
1460	23982EC		INSTALL ANTENNA	1.00	EACH		\$	

Section: 0005 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
1470	02568		MOBILIZATION	1.00	LS		\$	
1480	02569		DEMOBILIZATION	1.00	LS		\$	