



**COMMONWEALTH OF KENTUCKY  
TRANSPORTATION CABINET**

Frankfort, Kentucky 40622  
[www.transportation.ky.gov/](http://www.transportation.ky.gov/)

**Matthew G. Bevin**  
Governor

**Greg Thomas**  
Secretary

July 22, 2019

CALL NO. 303  
CONTRACT ID NO. 191220  
ADDENDUM # 1

Subject: MARION COUNTY, FD04 078 0049 023-025  
Letting July 26, 2019

- (1) Added - Special Notes - Pages 16(a) - 16(c)
- (2) Revised - Utilities and Rail Certification Note - Pages 22-24 of 76
- (3) Revised - Proposal Bid Items - Pages 74-76 of 76
- (4) Revised - Plan Sheets - R2E and R2G

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



An Equal Opportunity Employer M/F/D

## SPECIAL NOTE FOR SUBGRADE STABILIZATION ALTERNATES

This Special Note will apply when indicated on the plans or in the proposal. Section references herein are to the Department's Standard Specifications for Road and Bridge Construction.

**1.0 DESCRIPTION.** Use one of the following three alternates for the subgrade stabilization.

- a) Geogrid and geotextile fabric with six additional inches of aggregate base
- b) Eight inches of chemical stabilization using lime or cement
- c) 15 inches of rock (#2's, #3's or #23's) wrapped in geotextile fabric. Do **NOT** use alternate "c" under concrete pavements.

Stabilization should be applied from shoulder break to shoulder break. Contact the Division of Highway Design, Pavement Design Branch for pavement thickness evaluation if this note is being used as part of a contract modification where Subgrade Stabilization has not been bid.

### 2.0 MATERIALS

**2.1 Geogrid:** Furnish Geogrid according to Section 304.

**2.2 Type IV Geotextile Fabric:** Conform to Section 843.

**2.3 Aggregate:** Conform to Section 805.

**2.4 Cement, Lime, Asphalt Curing Seal, Water and Sand:** Conform to Section 208.02.

### 3.0 CONSTRUCTION

**3.1 Geogrid Alternate:** Add 6 inches of aggregate base (DGA or CSB) to the pavement structure. This will require excavating the subgrade by 6 inches more than shown on the plans. Additional aggregate base shall be daylighted. The excavation and additional aggregate base is incidental to Subgrade Stabilization.

Place the geotextile fabric first, then place the geogrid on top of the geotextile fabric so that they are at the bottom of the aggregate layer. Maintain tension on the geogrid and ensure there are no buckles or folds. Geogrid should not be completely placed before placing aggregate, but should be placed down at the front of a "paving train" consisting of the geogrid laydown equipment followed no further than 50 feet by the aggregate placement equipment. In curves and intersections, cut and overlap the geogrid. Place the geogrid and aggregate according to Sections 304 and 302. Contrary to Section 302.03.03, if the total aggregate base thickness is less than 12 inches, the

aggregate base will be placed in one lift. If greater than 12 inches, place the aggregate in 5 inch to 12 inch lifts with the first lift being a minimum of 6 inches. All other construction and density requirements of Section 302 will apply.

**3.2 Chemical Stabilization Alternate:** Construct an 8 inch thick, chemically stabilized Roadbed according to section 208.

- **Chemical Stabilization Type:** Cement
- **Asphalt Curing Seal Application Rate:** 2 LBS per SQ YD
- **Sand for Blotter Application Rate:** 5 LBS per SQ YD
- **Cement Application Rate:** Cement Content 6% by dry mass using an average dry density of 109 LB / CU FT.

**3.3 15 Inches of Rock and Fabric:** Do **NOT** use this alternate for concrete pavements. Use 15 inches of #2's, #3's or #23's wrapped in Type V Geotextile Fabric. This will require excavating the subgrade by 15 inches more than shown on the plans. This alternate also requires positive drainage of the rock roadbed by daylighting the 15 inches of rock. The drainage solution and the additional 15" excavation are incidental to Subgrade Stabilization.

**4.0 MEASUREMENT.** The Department will measure the quantity of Subgrade Stabilization in square yards. The square yard price will include the additional 6 inches of aggregate, the Type IV Geotextile Fabric and the Geogrid; Lime, Cement, Lime Stabilized roadbed, Cement Stabilized Roadbed, Asphalt Curing Seal, or Sand for Blotter; #2's, #3's or #23's, type IV geotextile fabric and drainage items. No separate payment will be made for the above items. The Department will not make payment for providing a geogrid manufacturer's representative and will consider it incidental to the bid item for Subgrade Stabilization. The Department will not measure excavation (for 15 inches of rock and fabric or an additional 6 inches of aggregate) or adjusting subgrade differences between the alternates, and will consider such excavation or adjustments as incidental to Subgrade Stabilization. Fuel Price Adjustment does not apply to the subgrade stabilization bid item.

**5.0 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>
24790EC	Subgrade Stabilization	Square Yard

The Cabinet will consider payment as full compensation for all work required in this note. If the department determines a thicker chemical or rock stabilization section is needed once construction begins, the unit price for subgrade stabilization will be adjusted as follows:

Adjusted Unit Price = Original Unit Bid Price \* (New Thickness/Original Thickness of Alternate)

## UTILITIES AND RAIL CERTIFICATION NOTE

**MARION COUNTY  
FD04 078 8955  
KY 49 SPOT IMPROVEMENT  
ITEM #4-8803.00**

**GENERAL PROJECT NOTE ON UTILITY PROTECTION**

N/A

**NOTE: DO NOT DISTURB THE FOLLOWING UTILITIES LOCATED WITHIN THE PROJECT DISTURB LIMITS**

N/A

**\*The Contractor is fully responsible for protection of all utilities listed above\***

**THE FOLLOWING COMPANIES ARE RELOCATING/ADJUSTING THEIR UTILITIES WITHIN THE PROJECT LIMITS AND WILL BE COMPLETE PRIOR TO CONSTRUCTION**

MARION COUNTY WATER DISTRICT  
INTER-COUNTY RECC  
EAST KY POWER  
SPECTRUM

These companies should not have facilities in the way of highway construction but please notify them for details if you have concerns.

**THE FOLLOWING COMPANIES HAVE FACILITIES TO BE RELOCATED/ADJUSTED BY THE COMPANY OR THE COMPANY'S SUBCONTRACTOR AND IS TO BE COORDINATED WITH THE ROAD CONTRACT**

Windstream has facilities to be relocated and will be complete by 10/01/2019. Their work will require coordination with the highway contractor. There is buried cable stations 101+50 -124+50 on KY 49 and stations 51+00 to 61+00 on KY 52 to be relocated. There are poles to relocate from stations 124+50 to 153+40 on KY 49. Please contact Steve Johnson (listed below) for details 2 weeks before working in these areas.

**THE FOLLOWING COMPANIES HAVE FACILITIES TO BE RELOCATED/ADJUSTED BY THE ROAD CONTRACTOR AS INCLUDED IN THIS CONTRACT**

N/A

**THE FOLLOWING RAIL COMPANIES HAVE FACILITIES IN CONJUNCTION WITH THIS PROJECT AS NOTED**

No Rail Involved     Minimal Rail Involved (See Below)     Rail Involved (See Below)

## UTILITIES AND RAIL CERTIFICATION NOTE

**MARION COUNTY  
FD04 078 89555  
KY 49 SPOT IMPROVEMENT  
ITEM #4-8803.00**

### **UNDERGROUND FACILITY DAMAGE PROTECTION – BEFORE YOU DIG**

The contractor shall make every effort to protect underground facilities from damage as prescribed in the Underground Facility Damage Protection Act of 1994, Kentucky Revised Statute KRS 367.4901 to 367.4917. It is the contractor’s responsibility to determine and take steps necessary to be in compliance with federal and state damage prevention directives. The contractor is instructed to contact KY 811 for the location of existing underground utilities. Contact shall be made a minimum of two (2) and no more than ten (10) business days prior to excavation.

The contractor shall submit Excavation Locate Requests to the Kentucky Contact Center (KY 811) via web ticket entry. The submission of this request does not relieve the contractor from the responsibility of contacting non-member facility owners, whom are to be contacted through their individual Protection Notification Center. It may be necessary for the contractor to contact the County Court Clerk to determine what utility companies have facilities in the area. Non-compliance with these directives can result in the enforcement of penalties.

### **SPECIAL CAUTION NOTE – PROTECTION OF UTILITIES**

The contractor will be responsible for contacting all utility facility owners on the subject project to coordinate his activities. The contractor will coordinate his activities to minimize and, where possible, avoid conflicts with utility facilities. Due to the nature of the work proposed, it is unlikely to conflict with the existing utilities beyond minor facility adjustments. Where conflicts with utility

### UTILITIES AND RAIL CERTIFICATION NOTE

**MARION COUNTY  
FD04 078 89555  
KY 49 SPOT IMPROVEMENT  
ITEM #4-8803.00**

facilities are unavoidable, the contractor will coordinate any necessary relocation work with the facility owner and Resident Engineer. The Kentucky Transportation Cabinet maintains the right to remove or alter portions of this contract if a utility conflict occurs.

The utility facilities as noted in the previous section(s) have been determined using data garnered by varied means and with varying degrees of accuracy: from the facility owners, a result of S.U.E., field inspections, and/or reviews of record drawings. The facilities defined may not be inclusive of all utilities in the project scope and are not Level A quality, unless specified as such. It is the contractor’s responsibility to verify all utilities and their respective locations before excavating.

***Please Note: The information presented in this Utility Note is informational in nature and the information contained herein is not guaranteed.***

#### AREA UTILITIES CONTACT LIST

<u>Utility Company/Agency</u>	<u>Contact Name</u>	<u>Contact Information</u>
INTER-COUNTY RECC	BUD GRIFFITH	859-516-3329
EAST KY POWER COOPERATIVE	GARRY HARVEY	859-745-9601
MARION COUNTY WATER DISTRICT	JIMMY MUDD	270-692-2004
WINDSTREAM	STEVE JOHNSON	859-357-6209
SPECTRUM	MARK HARLOW	859-626-4899

**PROPOSAL BID ITEMS**

191220

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Report Date 7/22/19

**Section: 0001 - PAVING**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	12,550.00	TON		\$	
0030	00100		ASPHALT SEAL AGGREGATE	131.00	TON		\$	
0040	00103		ASPHALT SEAL COAT	15.70	TON		\$	
0050	00190		LEVELING & WEDGING PG64-22	104.00	TON		\$	
0060	00221		CL2 ASPH BASE 0.75D PG64-22	6,331.00	TON		\$	
0070	00301		CL2 ASPH SURF 0.38D PG64-22	1,925.00	TON		\$	
0105	24790EC		SUBGRADE STABILIZATION (ADDED: 7-22-19)	25,845.00	SQYD		\$	
0110	24970EC		ASPHALT MATERIAL FOR TACK NON- TRACKING	11.40	TON		\$	

**Section: 0002 - ROADWAY**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0120	00078		CRUSHED AGGREGATE SIZE NO 2	5,471.00	TON		\$	
0130	01987		DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	25.00	EACH		\$	
0140	02014		BARRICADE-TYPE III	7.00	EACH		\$	
0150	02091		REMOVE PAVEMENT	5,767.00	SQYD		\$	
0160	02159		TEMP DITCH	2,882.00	LF		\$	
0170	02160		CLEAN TEMP DITCH	1,441.00	LF		\$	
0180	02230		EMBANKMENT IN PLACE	106,511.00	CUYD		\$	
0190	02242		WATER (FOR DUST CONTROL)	60.00	MGAL		\$	
0200	02351		GUARDRAIL-STEEL W BEAM-S FACE	1,250.00	LF		\$	
0210	02367		GUARDRAIL END TREATMENT TYPE 1	4.00	EACH		\$	
0220	02429		RIGHT-OF-WAY MONUMENT TYPE 1	37.00	EACH		\$	
0230	02432		WITNESS POST	3.00	EACH		\$	
0240	02483		CHANNEL LINING CLASS II	948.00	TON		\$	
0250	02545		CLEARING AND GRUBBING (APPROXIMATELY 24.7 ACRES)	1.00	LS		\$	
0260	02562		TEMPORARY SIGNS	620.00	SQFT		\$	
0270	02585		EDGE KEY	60.00	LF		\$	
0280	02600		FABRIC GEOTEXTILE TY IV FOR PIPE	1,664.00	SQYD	\$2.00	\$	\$3,328.00
0290	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0300	02701		TEMP SILT FENCE	2,882.00	LF		\$	
0310	02703		SILT TRAP TYPE A	25.00	EACH		\$	
0320	02704		SILT TRAP TYPE B	25.00	EACH		\$	
0330	02705		SILT TRAP TYPE C	25.00	EACH		\$	
0340	02706		CLEAN SILT TRAP TYPE A	25.00	EACH		\$	
0350	02707		CLEAN SILT TRAP TYPE B	25.00	EACH		\$	
0360	02708		CLEAN SILT TRAP TYPE C	25.00	EACH		\$	
0370	02726		STAKING	1.00	LS		\$	
0380	02731		REMOVE STRUCTURE	1.00	LS		\$	
0390	05950		EROSION CONTROL BLANKET	16,995.00	SQYD		\$	
0400	05952		TEMP MULCH	79,614.00	SQYD		\$	
0410	05953		TEMP SEEDING AND PROTECTION	59,710.00	SQYD		\$	



**PROPOSAL BID ITEMS**

191220

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Report Date 7/22/19

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0420	05963		INITIAL FERTILIZER	.60	TON		\$	
0430	05964		MAINTENANCE FERTILIZER	.60	TON		\$	
0440	05985		SEEDING AND PROTECTION	81,758.00	SQYD		\$	
0450	05989		SPECIAL SEEDING CROWN VETCH	22,938.00	SQYD		\$	
0460	05990		SODDING	110.00	SQYD		\$	
0470	05992		AGRICULTURAL LIMESTONE	74.00	TON		\$	
0480	06510		PAVE STRIPING-TEMP PAINT-4 IN	46,102.00	LF		\$	
0490	06514		PAVE STRIPING-PERM PAINT-4 IN	25,932.00	LF		\$	
0500	06568		PAVE MARKING-THERMO STOP BAR-24IN	60.00	LF		\$	
0510	10020NS		FUEL ADJUSTMENT	38,618.00	DOLL	\$1.00	\$	\$38,618.00
0520	10030NS		ASPHALT ADJUSTMENT	32,882.00	DOLL	\$1.00	\$	\$32,882.00
0530	20191ED		OBJECT MARKER TY 3	4.00	EACH		\$	
0540	20362ES403		SHOULDER RUMBLE STRIPS-SAWED	12,126.00	LF		\$	
0550	21289ED		LONGITUDINAL EDGE KEY	102.00	LF		\$	
0560	22861EN		HIGH STRENGTH GEOTEXTILE FABRIC TY V	13,801.00	SQYD		\$	
0570	23649EC		DRAIN POND	1.00	LS		\$	
0580	24814EC		PIPELINE INSPECTION	219.00	LF		\$	

**Section: 0003 - DRAINAGE**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0590	00440		ENTRANCE PIPE-15 IN	265.00	LF		\$	
0600	00462		CULVERT PIPE-18 IN	201.00	LF		\$	
0610	00466		CULVERT PIPE-30 IN	81.00	LF		\$	
0620	00470		CULVERT PIPE-48 IN	156.00	LF		\$	
0630	01000		PERFORATED PIPE-4 IN	203.00	LF		\$	
0640	01010		NON-PERFORATED PIPE-4 IN	84.00	LF		\$	
0650	01020		PERF PIPE HEADWALL TY 1-4 IN	2.00	EACH		\$	
0660	01024		PERF PIPE HEADWALL TY 2-4 IN	1.00	EACH		\$	
0670	01028		PERF PIPE HEADWALL TY 3-4 IN	4.00	EACH		\$	
0680	01216		PIPE CULVERT HEADWALL-48 IN	2.00	EACH		\$	
0690	01370		METAL END SECTION TY 1-15 IN	10.00	EACH		\$	
0700	01450		S & F BOX INLET-OUTLET-18 IN	4.00	EACH		\$	
0710	01452		S & F BOX INLET-OUTLET-30 IN	2.00	EACH		\$	

**Section: 0004 - BRIDGE - CULVERT - STA. 142+58.47 - DWG. 27736**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0720	08002		STRUCTURE EXCAV-SOLID ROCK	331.00	CUYD		\$	
0730	08003		FOUNDATION PREPARATION	1.00	LS		\$	
0740	08100		CONCRETE-CLASS A	344.40	CUYD		\$	
0750	08150		STEEL REINFORCEMENT	32,168.00	LB		\$	

**Section: 0005 - DEMOBILIZATION &/OR MOBILIZATION**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
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191220

### PROPOSAL BID ITEMS

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Report Date 7/22/19

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0760	02568		MOBILIZATION	1.00	LS		\$	
0770	02569		DEMOBILIZATION	1.00	LS		\$	

## PAVING SUMMARY

### PAVING AREAS

ITEM	MAINLINE	APPROACH	APPROACH	APPROACH	ENTRANCES	CUL-DE-SAC	EX KY 49 OVERLAY	DETOUR TEMP IMPROVEMENT	TOTAL PROJECT
	KY 49	KY 52	OLD KY 49	ENTRANCES	CUL-DE-SAC	EX KY 49 OVERLAY	DETOUR TEMP IMPROVEMENT	TOTAL PROJECT	
<b>S Q U A R E Y A R D S</b>									
1.5" CL 2 ASPH SURF 0.38D PG 64-22	16647	2927	505	553	361	2343			23026
2.25" CL 2 ASPH BASE 0.75D PG 64-22	16647	2927	505	553	361		1257		21940
3.00" CL 2 ASPH BASE 0.75D PG 64-22	16647	2927	505		350		1257		21376
4.00" CRUSHED STONE BASE				533					533
6.00" CRUSHED STONE BASE	16647	2927	505		350		1257		21685
7.75" CRUSHED STONE BASE			90	173					173
12.75" CRUSHED STONE BASE	5436	835							6362
LEVELING & WEDGING PG 64-22	289	340							629
ASPHALT SEAL COAT	5436	1144	90	173					6843
ASPHALT SEAL AGGREGATE	5436	1144	90	173					6843
TRACKLESS TACK	33293	5854	1010	533	1083	2343	1257		45362
8" CEMENT STABILIZED ROADBED	22083	3762							25845

**NOTES:**

- ① ESTIMATED AT 110 LBS. PER SQ. YD. PER INCH OF DEPTH.
- ② ESTIMATED AT 115 LBS. PER SQ. YD. PER INCH OF DEPTH.
- ③ ESTIMATED AT 2.40 LBS. PER SQ. YD. 2X APPLICATIONS
- ④ ESTIMATED AT 20 LBS. PER SQ. YD. 2X APPLICATIONS
- ⑤
- ⑥
- ⑦ INCLUDES 200 TONS FOR MAINTENANCE OF ENTRANCES
- ⑧
- ⑨ USED FOR SUPERELEVATION CORRECTIONS
- ⑩ 8" CEMENT STABILIZED ROADBED, AS SHOWN IN DETAIL A ON R2 AND DETAIL B ON R2A, HAS BEEN ASSUMED TO CALCULATE QUANTITIES. ALTERNATIVE METHODS ARE ALLOWED PER TEH SPECIAL NOTE FOR SUBGRADE STABILIZATION ALTERNATIVES.

**QUANTITIES BASED ON PAVEMENT DESIGN SHOWN ON TYPICAL SECTIONS. CROSS SECTIONS HAVE NOT BEEN UPDATED TO MATCH.**

### PAVING SUMMARY

ITEM CODE	ITEM	UNIT	MAINLINE	APPROACH	APPROACH	APPROACH	ENTRANCES	CUL-DE-SAC	EX KY 49 OVERLAY	DETOUR TEMP IMPROVEMENT	TOTAL PROJECT
00301	CL 2 ASPH SURF 0.38D PG 64-22	TON	1373	241	42	46	30	193			1925
00221	CL 2 ASPH BASE 0.75D PG 64-22	TON	4807	845	146	68	102			363	6331
00003	CRUSHED STONE BASE	TON	9729	1622	240	204	121			434	12550
00190	LEVELING & WEDGING PG 64-22	TON	48	56							104
00103	ASPHALT SEAL COAT	TON	13.0	2.0	0.2	0.4					15.7
00100	ASPHALT SEAL AGGREGATE	TON	109	17	2	3					131
24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	TON	8.3	1.5	0.3	0.1	0.3	0.6	0.3		11.4
24790EC	SUBGRADE STABILIZATION	SO YD	22083	3762							25845

# PAVING SUMMARY

## PAVING AREAS

ITEM	MAINLINE KY 49	APPROACH KY 52	APPROACH OLD KY 49	ENTRANCES	CUL-DE-SAC	EX KY 49 OVERLAY	DETOUR TEMP IMPROVEMENT	TOTAL PROJECT
1.5" CL 2 ASPH SURF 0.38D PG 64-22	16647	2927	505	553	361	2343		23026
2.25" CL 2 ASPH BASE 0.75D PG 64-22	16647	2927	505	553	361		1257	21940
3.00" CL 2 ASPH BASE 0.75D PG 64-22	16647	2927	505		350		1257	21376
4.00" CRUSHED STONE BASE				533				533
6.00" CRUSHED STONE BASE	16647	2927	505		350		1257	21685
7.75" CRUSHED STONE BASE				173				173
12.75" CRUSHED STONE BASE	5436	835	90					6362
LEVELING & WEDGING PG 64-22	289	340						629
ASPHALT SEAL COAT	5436	1144	90	173				6843
ASPHALT SEAL AGGREGATE	5436	1144	90	173				6843
TRACKLESS TACK	33293	5854	1010	533	1083	2343	1257	45362
8" CEMENT STABILIZED ROADBED	22083	3762						25845

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- ③ ESTIMATED AT 2.40 LBS. PER SQ. YD. 2X APPLICATIONS
- ④ ESTIMATED AT 20 LBS. PER SQ. YD. 2X APPLICATIONS
- ⑤
- ⑥
- ⑦ INCLUDES 200 TONS FOR MAINTENANCE OF ENTRANCES
- ⑧
- ⑨ USED FOR SUPERELEVATION CORRECTIONS
- ⑩ 8" CEMENT STABILIZED ROADBED, AS SHOWN IN DETAIL A ON R2 AND DETAIL B ON R2A, HAS BEEN ASSUMED TO CALCULATE QUANTITIES. ALTERNATIVE METHODS ARE ALLOWED PER THE SPECIAL NOTE FOR SUBGRADE STABILIZATION ALTERNATIVES.

## PAVING SUMMARY

ITEM CODE	ITEM	UNIT	MAINLINE KY 49	APPROACH KY 52	APPROACH OLD KY 49	ENTRANCES	CUL-DE-SAC	EX KY 49 OVERLAY	DETOUR TEMP IMPROVEMENT	TOTAL PROJECT
00301	CL 2 ASPH SURF 0.38D PG 64-22	① TON	1373	241	42	46	30	193		1925
00221	CL 2 ASPH BASE 0.75D PG 64-22	① TON	4807	845	146	68	102		363	6331
00003	CRUSHED STONE BASE	② ⑦ TON	9729	1622	240	204	121		434	12550
00190	LEVELING & WEDGING PG 64-22	① ⑨ TON	48	56						104
00103	ASPHALT SEAL COAT	③ TON	13.0	2.0	0.2	0.4				15.7
00100	ASPHALT SEAL AGGREGATE	④ TON	109	17	2	3				131
24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	TON	8.3	1.5	0.3	0.1	0.3	0.6	0.3	11.4
24790EC	SUBGRADE STABILIZATION	⑩ SQ YD	22083	3762						25845

**QUANTITIES BASED ON PAVEMENT DESIGN SHOWN ON TYPICAL SECTIONS. CROSS SECTIONS HAVE NOT BEEN UPDATED TO MATCH.**



COUNTY OF	ITEM NO.	SHEET NO.
MARION	4-8803	R20

# GENERAL NOTES

EDGE KEY

THIS WORK INCLUDES CUTTING OUT THE EXISTING ASPHALT SURFACE TO A MINIMUM DEPTH AND WIDTH AS DETAILED ELSEWHERE IN THE PLANS SO THAT THE NEW SURFACE MAY HEEL INTO THE EXISTING SURFACE. THE CONTRACT UNIT PRICE BID LINEAR FOOT (PER METER) FOR "EDGE KEY" INCLUDES ALL NECESSARY MATERIALS, LABOR AND EQUIPMENT NECESSARY TO PERFORM THE WORK AND DISPOSE OF THE REMOVED ASPHALT MATERIAL.

STANDARD DRAWINGS

STANDARD DRAWINGS ARE NOT ATTACHED TO THESE PLANS. A STANDARD DRAWING BOOK AND THE HEADWALL SUPPLEMENTAL BOOK MAY BE OBTAINED FROM THE POLICY SUPPORT BRANCH OF THE DEPARTMENT OF ADMINISTRATIVE SERVICES IN FRANKFORT, KY. AT (502) 564-3670

SPECIAL NOTES

- SPECIAL NOTE FOR PORTABLE CHANGEABLE MESSAGE SIGN
- SPECIAL NOTE FOR NON-TRACKING TACK COAT
- SPECIAL NOTE FOR TREE CLEARING
- SPECIAL NOTE FOR FILING OF ENOI FOR KPDES CONSTRUCTION STORMWATER PERMIT
- SPECIAL NOTE FOR GEOGRID REINFORCEMENT FOR ASPHALT PAVEMENTS
- SPECIAL NOTE FOR SUBGRADE STABILIZATION ALTERNATES

ASPHALT PAVEMENT RIDE QUALITY

PAVEMENT RIDEABILITY REQUIREMENTS, IN ACCORDANCE WITH SECTION 410 OF THE STANDARD SPECIFICATIONS, SHALL APPLY ON THIS PROJECT. CATEGORY A SHALL APPLY.

BACKFILL EXISTING DITCHES

FOR LOCATIONS WHERE EXISTING DITCHES AND OTHER POSSIBLE SOGGY LOCATIONS, AT ENGINEERS DISCRETION USE HIGH STRENGTH GEOTEXTILE TY V FABRIC AND CRUSHED AGGREGATE SIZE NO. 2 STONE. AT THE FOLLOWING LOCATIONS:  
 STA 107+37 TO STA 111+26  
 STA 120+23 TO STA 121+27  
 STA 131+20 TO STA 133+44  
 STA 134+17 TO STA 137+81  
 STA 138+35 TO STA 139+36

DEPARTMENT OF THE ARMY PERMIT AND WATER QUALITY CERTIFICATION APPROVALS

A DEPARTMENT OF THE ARMY (DA) PERMIT, WHICH MAY REQUIRE APPROVAL OF A STATE WATER QUALITY CERTIFICATION FROM THE KENTUCKY DIVISION OF WATER, REGULATES THIS PROJECT AT ONE OR MORE LOCATIONS. PERFORM ALL APPLICABLE WORK IN COMPLIANCE WITH THE CONDITIONS STATED IN THE DA PERMIT AND THE APPROVED WATER QUALITY CERTIFICATION. POST A COPY OF THE DA PERMIT AND THE WATER QUALITY CERTIFICATION IN A CONSPICUOUS PLACE AT THE PROJECT SITE. IF A DA PERMIT OR WATER QUALITY CERTIFICATION APPROVAL IS PENDING, DO NOT WORK IN OR DISTURB THE DESIGNATED AREA(S) UNTIL OBTAINING THE APPROPRIATE APPROVAL(S). REFER TO NOTICE(S) CONTAINED IN THE CONTRACT BID PROPOSAL FOR DESIGNATED AREA(S) WHERE WORK IS PROHIBITED BY THE ABSENCE OF APPROVAL.

COMPACTION OF ASPHALT MIXTURES

WILL ACCEPT THE COMPACTION OF ASPHALT MIXTURES FURNISHED FOR DRIVING LANES AND RAMPS AT ONE INCH (25 MM) OR GREATER ON THIS PROJECT BY OPTION A ACCORDING TO SUBSECTIONS 402 AND 403 OF THE CURRENT STANDARD SPECIFICATIONS. USE JOINT CORES AS DESCRIBED IN SUBSECTION 402.03.02 FOR SURFACE MIXTURES ONLY. WILL ACCEPT THE COMPACTION OF ALL OTHER ASPHALT MIXTURES BY OPTION A.

BEFORE YOU DIG

THE CONTRACTOR IS INSTRUCTED TO CALL 1-800-752-6007 TO REACH KY 811, THE ONE-CALL SYSTEM FOR INFORMATION ON THE LOCATION OF EXISTING UNDERGROUND UTILITIES. THE CALL IS TO BE PLACED A MINIMUM OF TWO (2) AND NO MORE THAN TEN (10) BUSINESS DAYS PRIOR TO EXCAVATION. THE CONTRACTOR SHOULD BE AWARE THAT OWNERS OF UNDERGROUND FACILITIES ARE NOT REQUIRED TO BE MEMBERS OF THE KY 811 ONE-CALL BEFORE-U-DIG (BUD) SERVICE. 1/64 THE CONTRACTOR MUST COORDINATE EXCAVATION WITH THE UTILITY OWNERS, INCLUDING THOSE WHOM DO NOT SUBSCRIBE TO KY 811. IT MAY BE NECESSARY FOR THE CONTRACTOR TO CONTACT THE COUNTY COURT CLERK TO DETERMINE WHAT UTILITY COMPANIES HAVE FACILITIES IN THE AREA

CEMENT STABILIZED ROADBED

STABILIZE THE TOP 8 INCHES (MM) OF THE FINISHED ROADBED WITH PORTLAND CEMENT IN ACCORDANCE WITH THE SECTION 208 OF THE STANDARD SPECIFICATIONS. USE SELECTED SOILS, WITH A MINIMUM CBR VALUE OF 3, FOR THIS PURPOSE. THE PORTLAND CEMENT CONTENT IS 6 PERCENT BY WEIGHT, AND THE ESTIMATED PLAN QUANTITY USES AN AVERAGE DRY DENSITY OF 109 LBS./CUBIC FEET (KG/CUBIC METER). HOWEVER, ADJUST THE QUANTITY AFTER CONSTRUCTING THE ROADBED AND SUBMITTING THE SAMPLES FOR TESTING. THIS TAKES APPROXIMATELY TWO WEEKS.

COUNTY OF	ITEM NO.	SHEET NO.
MARION	4-8803	R20

# GENERAL NOTES

EDGE KEY

THIS WORK INCLUDES CUTTING OUT THE EXISTING ASPHALT SURFACE TO A MINIMUM DEPTH AND WIDTH AS DETAILED ELSEWHERE IN THE PLANS SO THAT THE NEW SURFACE MAY HEEL INTO THE EXISTING SURFACE. THE CONTRACT UNIT PRICE BID LINEAR FOOT (PER METER) FOR "EDGE KEY" INCLUDES ALL NECESSARY MATERIALS, LABOR AND EQUIPMENT NECESSARY TO PERFORM THE WORK AND DISPOSE OF THE REMOVED ASPHALT MATERIAL.

STANDARD DRAWINGS

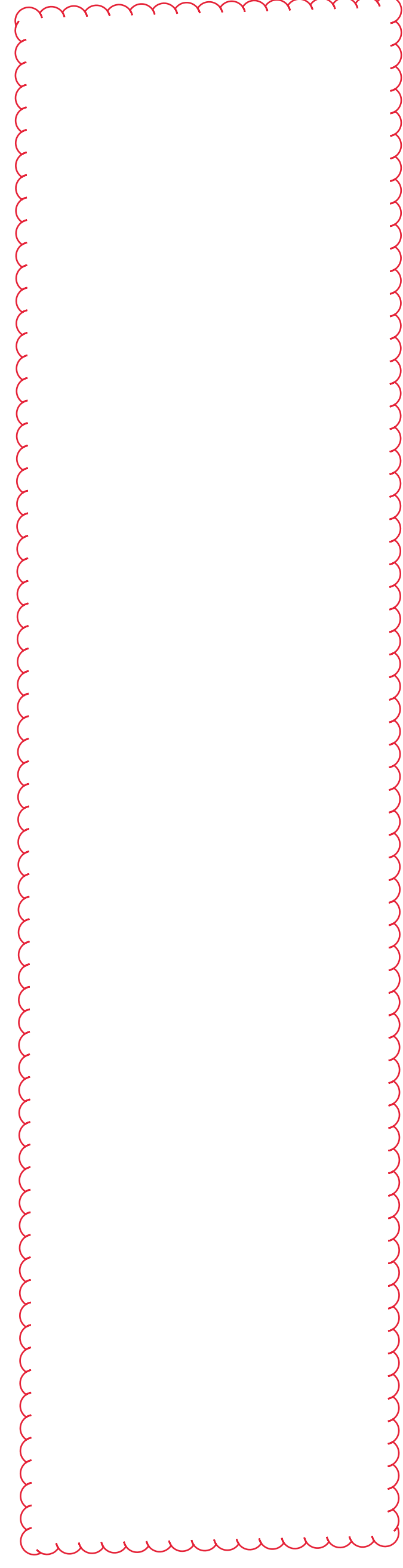
STANDARD DRAWINGS ARE NOT ATTACHED TO THESE PLANS. A STANDARD DRAWING BOOK AND THE HEADWALL SUPPLEMENTAL BOOK MAY BE OBTAINED FROM THE POLICY SUPPORT BRANCH OF THE DEPARTMENT OF ADMINISTRATIVE SERVICES IN FRANKFORT, KY. AT (502) 564-3670

SPECIAL NOTES

- SPECIAL NOTE FOR PORTABLE CHANGEABLE MESSAGE SIGN
- SPECIAL NOTE FOR NON-TRACKING TACK COAT
- SPECIAL NOTE FOR TREE CLEARING
- SPECIAL NOTE FOR FILING OF ENOI FOR KPDES CONSTRUCTION STORMWATER PERMIT
- ~~SPECIAL NOTE FOR GEGRID REINFORCEMENT FOR ASPHALT PAVEMENTS~~
- ~~SPECIAL NOTE FOR SUBGRADE STABILIZATION ALTERNATES~~

ASPHALT PAVEMENT RIDE QUALITY

PAVEMENT RIDEABILITY REQUIREMENTS, IN ACCORDANCE WITH SECTION 410 OF THE STANDARD SPECIFICATIONS, SHALL APPLY ON THIS PROJECT. CATEGORY A SHALL APPLY.



BACKFILL EXISTING DITCHES

FOR LOCATIONS WHERE EXISTING DITCHES AND OTHER POSSIBLE SOGGY LOCATIONS, AT ENGINEERS DISCRETION USE HIGH STRENGTH GEOTEXTILE TY V FABRIC AND CRUSHED AGGREGATE SIZE NO. 2 STONE. AT THE FOLLOWING LOCATIONS:  
 STA 107+37 TO STA 111+26  
 STA 120+23 TO STA 121+27  
 STA 131+20 TO STA 133+44  
 STA 134+17 TO STA 137+81  
 STA 138+35 TO STA 139+36

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GENERAL NOTES

SCALE: 1"=N/A