



Matthew G. Bevin
Governor

COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET
Frankfort, Kentucky 40622
www.transportation.ky.gov/

Greg Thomas
Secretary

July 18, 2019

CALL NO. 101
CONTRACT ID NO. 191224
ADDENDUM # 1

Subject: FLEMING COUNTY, STP 0321 (027)
Letting July 26, 2019

- (1) Revised - General Summary - Pages 63-65 of 220
- (2) Revised - Drainage Summary - Pages 68-70 of 220
- (3) Revised - Traffic Control Plan - Page 88 of 220
- (4) Revised - References Notes - Pages 96-98 of 220
- (5) Added - Special Note for Bridge Deck Waterproofing Membrane and Asphalt Overlay on Bridges - Page 124(a) of 220
- (6) Added - Special Note for Tree Removal - Page 124(b) of 220
- (7) Revised - Proposal Bid Items - Pages 217-219 of 220
- (8) Revised - Deleted - Page 220 of 220

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

**KY 32 PAVEMENT REHABILITATION
FLEMING COUNTY
MILEPOST 17.452 TO 28.29
ITEM NUMBER: 9-20009
GENERAL SUMMARY**

ITEM NUMBER	ITEM	QUANTITY	UNIT
1	DGA	206	TON
78	CRUSHED AGGREGATE SIZE NO 2 (1A)	34,117	TON
191	ASPHALT SCRATCH COURSE PG64-22 (2)	5,718	TON
212	CL2 ASPH BASE 1.00D PG64-22	11,519	TON
221	CL2 ASPH BASE 0.75D PG64-22	28,190	TON
301	CL2 ASPH SURF 0.38D PG64-22	5,176	TON
387	CL3 ASPH SURF 0.38B PG76-22 KY 32	12,992	TON
387	CL3 ASPH SURF 0.38B PG76-22 Bridge (035B00012N)	49	TON
387	CL3 ASPH SURF 0.38B PG76-22 Bridge (035B00013N)	89	TON
387	CL3 ASPH SURF 0.38B PG76-22 Bridge (035B00014N)	31	TON
387	CL3 ASPH SURF 0.38B PG76-22 Bridge (035B00015N)	32	TON
440	ENTRANCE PIPE-15 IN	8	LIN FT
462	CULVERT PIPE - 18 INCH	119	LIN FT
464	CULVERT PIPE - 24 INCH	24	LIN FT
1204	PIPE CULVERT HEADWALL-18 IN	1	EACH
1310	REMOVE PIPE	52	LIN FT
1433	SLOPED BOX OUTLET TY. 1 - 18 IN	2	EACH
1450	S & F BOX INLET-OUTLET-18 IN	8	EACH
1451	S & F BOX INLET-OUTLET-24 IN	2	EACH
1691	FLUME INLET TYPE 2	8	EACH
1890	ISLAND HEADER CURB TYPE 1	200	LIN FT
1983	DELINEATOR FOR GUARDRAIL - M/Y	231	EACH
2091	REMOVE PAVEMENT	2,259	SQ YD
2200	ROADWAY EXCAVATION (4)	42,065	CU YD
2220	FLOWABLE FILL	21	CUYD
2237	DITCHING	57,618	LIN FT
2360	GUARDRAIL TERMINAL SECTION NO. 1	41	EACH
2363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	16	EACH
2367	GUARDRAIL END TREATMENT TYPE 1	1	EACH
2369	GUARDRAIL END TREATMENT TYPE 2A	2	EACH
2373	GUARDRAIL END TREATMENT TYPE 3	6	EACH
2381	REMOVE GUARDRAIL	26,125	LIN FT
2391	GUARDRAIL END TREATMENT TYPE 4A	33	EACH
2403	REMOVE CONCRETE MASONRY	17	CU YD
2483	CHANNEL LINING CLASS II	175	TON
2562	TEMPORARY SIGNS (7)	1,500	SQ FT
2568	MOBILIZATION	1	LUMP SUM
2569	DEMOBILIZATION	1	LUMP SUM
2599	FABRIC-GEOTEXTILE TYPE IV (1B)	39,122	SQ YD
2650	MAINTAIN AND CONTROL TRAFFIC	1	LUMP SUM
2671	PORTABLE CHANGEABLE MESSAGE SIGN (7)	4	EACH
2676	MOBILIZATION FOR MILLING & TEXTURING	1	LUMP SUM
2677	ASPHALT PAVE MILLING & TEXTURING	29,085	TON
2696	SHOULDER RUMBLE STRIPS-SAWED	114,449	LIN FT
2704	SILT TRAP TYPE B	13	EACH
2707	CLEAN SILT TRAP TYPE B	13	EACH
2726	STAKING	1	LUMP SUM
2775	ARROW PANEL (7)	4	EACH
3000	PRECAST BOX SECT 3 X 3	9	LIN FT
3000	PRECAST BOX SECT 3 X 2.5	9	LIN FT
3000	PRECAST BOX SECT 4 X 2	9	LIN FT
3000	PRECAST BOX SECT 5 X 3	9	LIN FT
3000	PRECAST BOX SECT 6 X 2	9	LIN FT

**KY 32 PAVEMENT REHABILITATION
FLEMING COUNTY
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GENERAL SUMMARY**

ITEM NUMBER	ITEM	QUANTITY	UNIT
3000	PRECAST BOX SECT 10 X 4	9	LIN FT
3000	PRECAST BOX SECT 14 X 4	9	LIN FT
3171	CONCRETE BARRIER WALL TYPE 9T (7)	500	LIN FT
3250	WATERPROOFING MEMBRANE Bridge (035B00012N)	440	SQ YD
3250	WATERPROOFING MEMBRANE Bridge (035B00013N)	812	SQ YD
3250	WATERPROOFING MEMBRANE Bridge (035B00014N)	281	SQ YD
3250	WATERPROOFING MEMBRANE Bridge (035B00015N)	290	SQ YD
4934	TEMP SIGNAL - MULTI PHASE (7)	1	EACH
5950	EROSION CONTROL BLANKET	61,222	SQ YD
5963	INITIAL FERTILIZER	2	TON
5964	20-10-10 FERTILIZER	3	TON
5985	SEEDING AND PROTECTION	59,720	SQYD
6412	STEEL POST MILE MARKERS	22	EACH
6511	PAVE STRIPING-TEMP PAINT-6 IN	402,373	LIN FT
6549	PAVE STRIPING-TEMP REM TAPE-B	2,500	LIN FT
6550	PAVE STRIPING-TEMP REM TAPE-W	1,250	LIN FT
6551	PAVE STRIPING-TEMP REM TAPE-Y	1,250	LIN FT
8003	FOUNDATION PREPARATION (6)	1	LS
8100	CONCRETE - CLASS A	34	CU YD
8103	CONCRETE - CLASS D - MODIFIED	6	CU YD
8150	STEEL REINFORCEMENT	1,951	LB
8510	REM EPOXY BIT FOREIGN OVERLAY Bridge (035B00012N)	440	SQ YD
8510	REM EPOXY BIT FOREIGN OVERLAY Bridge (035B00013N)	812	SQ YD
8510	REM EPOXY BIT FOREIGN OVERLAY Bridge (035B00014N)	281	SQ YD
8510	REM EPOXY BIT FOREIGN OVERLAY Bridge (035B00015N)	290	SQ YD
8903	CRASH CUSHION TY VI CLASS BT L3 (7)	2	EACH
10020NS	FUEL ADJUSTMENT	65,742	DOLLAR
10030NS	ASPHALT ADJUSTMENT	126,439	DOLLAR
20458ES403	CENTERLINE RUMBLE STRIPS	57,225	LIN FT
20366NN	REPLACE GRATE	20	EACH
20550ND	SAWCUT PAVEMENT	110,194	LIN FT
21533EN	EMBANKMENT (5)	9,520	CU YD
21802EN	GUARDRAIL - STEEL W BEAM S-FACE (7FT POST)	23,125	LIN FT
23010EN	PAVE MARK TEMP PAINT STOP BAR-24 IN	5,482	LF
23785EC	REMOVE RAILROAD TIE (3)	1	LS
24489EC	INLAID PAVEMENT MARKER	715	EACH
24781EC	INTELLIGENT COMPACTION FOR ASPHALT	63,495	TON
24891EC	PAVE MOUNT INFRARED TEMP EQUIPMENT	1,373,645	SQ FT
24995EC	PAVE STRIPING-SPRAY THERMO-6 IN W	113,584	LIN FT
24995EC	PAVE STRIPING-SPRAY THERMO-6 IN W Bridge (035B00012N)	232	LIN FT
24995EC	PAVE STRIPING-SPRAY THERMO-6 IN W Bridge (035B00013N)	430	LIN FT
24995EC	PAVE STRIPING-SPRAY THERMO-6 IN W Bridge (035B00014N)	150	LIN FT
24995EC	PAVE STRIPING-SPRAY THERMO-6 IN W Bridge (035B00015N)	153	LIN FT
24996EC	PAVE STRIPING-SPRAY THERMO-6 IN Y	86,808	LIN FT
24996EC	PAVE STRIPING-SPRAY THERMO-6 IN Y Bridge (035B00012N)	145	LIN FT
24996EC	PAVE STRIPING-SPRAY THERMO-6 IN Y Bridge (035B00013N)	269	LIN FT
24996EC	PAVE STRIPING-SPRAY THERMO-6 IN Y Bridge (035B00014N)	19	LIN FT
24996EC	PAVE STRIPING-SPRAY THERMO-6 IN Y Bridge (035B00015N)	96	LIN FT
24986EC	HMA ELECTRONIC DELIVERY MANAGEMENT SYSTEM	1	LS
25010EC	GEOCOMPOSITE REINFORCEMENT FOR ASPHALT	252,067	SQ YD
(1A)	Includes quantity 10,000 Tons for shoulder stabilization to be used as directed by the Engineer.		
(1B)	Includes quantity 36,000 SQ-YD for fabric geotextile type IV to be used as directed by the Engineer.		
(2)	Includes quantity 100 Tons to be used as directed by the Engineer for Level and Wedging.		

**KY 32 PAVEMENT REHABILITATION
 FLEMING COUNTY
 MILEPOST 17.452 TO 28.29
 ITEM NUMBER: 9-20009
 GENERAL SUMMARY**

ITEM NUMBER	ITEM	QUANTITY	UNIT
(3)	All removed rail becomes property of the contractor upon removal.		
(4)	Quantity includes the sum total excavation from pavement, slide repair, and drainage totals.		
(5)	Quantity includes the sum total excavation from slide repair and drainage totals.		
(6)	Quantity included for box culvert section replacements at Mileposts 20.0, 21.52, 22.20, 22.60, 24.54, 25.14, 27.55. This lump sum quantity includes crushed limestone no. 57, excavation, geotextile fabric, and any other incidentals or expenses required for foundation preparation for culvert repair and extension at these locations.		
(7)	Includes initial placement, any relocation required will not be paid for directly, but will be considered incidental to the bid item "maintain and control traffic."		
NOTE: Quantities from all summaries have been carried over and included in this General Summary			

STATION	KY 32 ROADSIDE	MILE POST	MILE POST	TYPE	EXISTING PIPE SIZE	CLEAN INLET/OUTLET (1)	15" ENTRANCE PIPE	18" CULVERT PIPE	24" CULVERT PIPE	PIPE CULVERT HEADWALL-18 IN	1204 EACH	1310 LIN FT	1433 S & F BOX INLET-OUTLET TY: 1	1450 S & F BOX INLET-OUTLET-18 IN	1451 S & F BOX INLET-OUTLET-24 IN	1691 FLUME INLET TYPE 2	1890 ISLAND HEADER CURB TYPE 1	2200 EXCAVATION	2403 REMOVE CONCRETE MASONRY (2)	2220 FLOWABLE FILL	2483 TON	3000 PRECAST BOX SECT 3 X 3	3000 PRECAST BOX SECT 3 X 3 2.5	3000 PRECAST BOX SECT 4 X 2	3000 PRECAST BOX SECT 5 X 3	3000 PRECAST BOX SECT 6 X 2	3000 PRECAST BOX SECT 10 X 4	3000 PRECAST BOX SECT 14 X 4	8003 FOUNDATION PREPARATION	8100 CONCRETE - CLASS A	8103 CONCRETE - CLASS D - MODIFIED	8150 STEEL REINFORCEMENT	2036NN EACH	REPLACE GRATE	21533EN CU YD	EMBANKMENT	COMMENTS															
																																						UNIT	4	1	4	8	462 LIN FT	464	1204 EACH	1310 LIN FT	1433 S & F BOX INLET-OUTLET TY: 1	1450 S & F BOX INLET-OUTLET-18 IN	1451 S & F BOX INLET-OUTLET-24 IN	1691 FLUME INLET TYPE 2	1890 ISLAND HEADER CURB TYPE 1	2200 EXCAVATION
1005+62	RT	17.76	17.76	S&F	24"	1	440	462	464	1204	1310	1433	1450	1451	1691	1890	2200	2403	2220	2483	3000	3000	3000	3000	3000	3000	3000	8003	8100	8103	8150	2036NN	21533EN		4' EXTENSION																	
985+18	RT	18.14	18.14	S&F	24"																																															
968+45	RT	18.46	18.46	DBI	18"															1																																
962+58	RT	18.57	18.57	ENTRANCE	15"	8														5																																
925+59	RT	19.32	19.32	SBO	18"																																															
935+95	LT	19.13	19.13	S&F	18"																																															
1005+39	LT	17.76	17.76	S&F	24"																																															
1021+38	LT	17.46	17.46	SBO	24"																																															
1024+06	LT	17.41	17.41	HDWL	18"																																															
985+35	RT	19.13	19.13	S&F	18"																																															
920+45	RT	19.42	19.42	SBO	18"																																															
904+46	LT	19.72	19.72	FLUME	-																																															
904+46	LT	19.72	19.72	FLUME	-																																															
895+47	RT	19.89	19.89	S&F	24"																																															
859+75	RT	20.42	20.42	S&F	18"																																															
855+41	RT	20.51	20.51	S&F	24"																																															
833+49	RT	20.92	20.92	S&F	18"																																															
856+75	LT	20.48	20.48	S&F	18"																																															
859+74	LT	20.42	20.42	S&F	18"																																															
856+84	RT	20.48	20.48	S&F	18"																																															
881+29	LT	20.02	20.02	SBO	18"																																															
821+04	RT	21.16	21.16	S&F	24"																																															
817+46	RT	21.22	21.22	S&F	18"																																															
814+90	RT	21.27	21.27	2.5X2.5	-																																															
813+26	RT	21.30	21.30	S&F	18"																																															
801+16	RT	21.53	21.53	4X4	-																																															
708+28	RT	23.30	23.30	S&F	18"																																															
760+30	RT	22.36	22.36	S&F	18"																																															
817+39	LT	21.23	21.23	S&F	18"																																															
821+05	LT	21.16	21.16	S&F	24"																																															
706+38	RT	23.33	23.33	S&F	18"																																															
693+15	RT	23.58	23.58	HDWL	18"																																															
686+33	RT	23.71	23.71	S&F	18"																																															
714+84	RT	23.31	23.31	FLUME	-																																															

KY 32
FLEMING COUNTY
PAVEMENT REHABILITATION, MILE POST 17.452 TO 28.29
ITEM NO. 9-20009
DRAINAGE SUMMARY

Traffic Control Plan
Fleming County
KY 32
Page 8 of 9

Place temporary and permanent striping in accordance with Sections 112, 714 and the Special Note for Spray Applied Thermo, except that:

1. Temporary and permanent striping will be 6" in width
2. If the contractor's operations or phasing requires temporary markings which must be subsequently removed from the ultimate pavement, an approved removable lane tape will be used.
3. Edge lines will be required for temporary striping
4. Existing, temporary, or permanent striping will be in place before a lane is opened to traffic
5. Place permanent striping on bridge decks and pavement within the project limits.
6. Permanent striping will be Spray Applied Thermo

Should the Contractor change the existing striping pattern, the Contractor is to restripe the roadway back to its original configuration after a certain period of time especially if no work is anticipated for a period of time (i.e. Winter shutdown).

PAVEMENT EDGE DROP-OFFS

Pavement edge drop-offs will be protected by a lane or shoulder closure. Lane closures will be protected with plastic drums, vertical panels, or barricades as shown on the Standard Drawings.

Pavement edges that traffic is not expected to cross, except accidentally, shall be treated as follows:

Less than 2" – No protection required. Warning signs should be placed in advance and throughout the drop-off area.

2" to 4" – Protect with a lane closure. Place plastic drums, vertical panels, or barricades every 50 feet. Cones may not be used in place of plastic drums, panels, and barricades at any time. Construct a wedge with compacted cuttings from milling, trenching, or asphalt mixtures with a 3:1 or flatter slope, when work is not active in the drop-off area. Place Type III Barricades at the beginning of the lane closures, and place additional Type III Barricades spaced at 2,500 feet during the time the lane closure is in place.

Greater than 4" – Full Depth Pavement Repair and Widening areas – In areas where pavement is to be removed, work should proceed continuously so that traffic is exposed to a drop-off for the minimum amount of time necessary to bring the pavement back up to existing grade. Barrel spacing should be 20 feet and appropriate lighting should be utilized to illuminate the area during nighttime operations.

Guardrail Installation – Guardrail installation is to take place one week after the general milling & filling paving operations are completed. All areas from which guardrail is removed shall be protected by a shoulder closure or other method approved by the Engineer until the new guardrail is installed. A maximum of seven calendar days will be allowed between the removal of a guardrail section and the installation of new guardrail at that same location.

REFERENCES

1. Kentucky Transportation Cabinet, Department of Highways, Standard Specifications for Road and Bridge Construction, Edition of 2019.
2. FHWA Manual on Uniform Traffic Control Devices (MUTCD), latest edition.
3. Active Sepia List

<u>Drawing No.</u>	<u>Drawing Name</u>
002	Centerline Rumble Strips
004	Centerline Rumble Strips 6-inch Striping
005	Shoulder and Edge Line Rumble Strip Details
007	Shoulder Rumble Strip Details Two Lane Roadway
013	Guardrail Connector to Bridge End Type A and A-1 Components
015	Guardrail Connector to Bridge End Type A
024	Typical Guardrail Installations
025	Installation of Guardrail End Treatment Type 1
027	Steel beam Guardrail "W" Beam
028	Steel Guardrail Posts
029	Guardrail End Treatment Type 1
030	Guardrail End Treatment type 4A
032	Delineators for Guardrail
037	Guardrail and Bridge End Drainage for Single Structures
038	Guardrail End Treatment Type 2A
042	Typical Markings for Turn Lanes
043	Typical Markings for Turn Lanes
060	Curb and Gutter, Curbs and Valley Gutter

4. Kentucky Department of Highways Standard Drawings, current editions, as applicable:

RBI-002	Typical Guardrail Installations
RBI-003	Installation of Guardrail End Treatment Type 2A
RBR-005	Guardrail Components
RBR-010	Guardrail Terminal Sections
RBR-016	Guardrail Posts
RDB-001	Drop Box Inlet Type 1
RDB-007	Drop Box Inlet Type 7 (Layout & Steel Pattern)
RDB-008	Drop Box Inlet Type 7 (Dimension & Steel Charts)
RDB-110	Sloped Box Inlet or Outlet Type 1
RDD-040	Channel Lining Class II and III
RDH-020	Sloped and Flared Headwalls for 12" to 27" Pipe
RDH-110	Pipe Culvert Headwalls 0° Skew
RDH-210	Dimensions and Quantities 30"-108" Headwalls Circular Pipe 0° Skew
RDH-310	Bill of Reinforcement 30" to 90" Diameter Circular Pipe Headwalls 0° Skew

RDH-1000	Precast Box Culvert Headwalls - 0° Skew
RDH-1100	Dimensions 3'x 2' - 6'x 6' Headwalls Precast Box Culvert 0° Skew
RDH-1200	Quantities 3'x 2' – 12'x 12' Headwalls Precast Box Culverts 0° Skew
RDH-1300	Bill of Reinforcement 3'x 2' – 7'x4' Headwalls Precast Box Culverts 0° Skew
RDI-001	Culvert, Entrance, and Storm Sewer Pipe Types and Cover Heights
RDI-002	Culvert, Entrance, and Storm Sewer Pipe Types and Cover Heights
RDI-003	Culvert and Storm Sewer Pipe Types and Cover Heights
RDI-020	Pipe Bedding for Culverts, Entrance and Storm Sewer Pipe
RDI-021	Pipe Bedding for Culverts, Entrance and Storm Sewer Reinforced Concrete Pipe
RDI-025	Pipe Bedding Trench Condition
RDI-026	Pipe Bedding Trench Condition Reinforced Conc. Pipe
RDI-120	Bedding for Precast Box Culverts, Sewers, Storm Drains, and Their Combinations
RDX-001	Junction Box
RDX-002	Junction Box (Dimensions & Quantities)
RDX-160	Security Devices for Frames, Grates and Lids
RDX-210	Temporary Silt Fence
RDX-220	Silt Trap Type A
RDX-225	Silt Trap Type B
RDX-230	Silt Trap Type C
RDX-300	Precast Box Culvert Extension
RGS-001	Curve Widening and Superelevation Transitions
RGS-002	Superelevation for Multilane Pavement
RGX-001	Miscellaneous Standards Part I
RGX-050	Gabion Retaining Walls
RGX-200	One Point Proctor Family of Curves
RDX-300	Precast Box Culvert Extension
RPM-110	Approaches, Entrances, and Mail Box Turnout
RPM-140	Rumble Strips
TPM-115	Pavement Marker Arrangements Two-Lane, Two Way Roadways
TTC-100	Lane Closure Two-Lane Highway
TTC-110	Lane Closure Using Traffic Signals
TTC-135	Shoulder Closure
TTD-110	Post Splicing Detail
TTD-120	Work Zone Speed Limit and Double Fine Signs
TTD-125	Pavement Condition Warning Signs
TTS-105	Mobile Operation for Paint Striping Case II

5. Kentucky Transportation Cabinet, Department of Highways, Standard Specifications for Road and Bridge Construction, Edition of 2019 - Supplemental Specifications, as applicable:

Special Note	Typical Section Dimensions <i>attached</i>
Special Note	Before You Dig <i>attached</i>
Special Note	Guardrail Delivery Verification Sheet <i>attached</i>
Special Note	Fixed Completion Date and Liquidated Damages <i>attached</i>
Special Note	Asphalt Milling and Texturing <i>attached</i>
Special Note	HMA Electronic Delivery Management System <i>attached</i>

Special Note	Geocomposite Reinforcement for Asphalt <i>attached</i>
Special Note	Spray Applied Thermoplastic Pavement Marking Materials <i>attached</i>
Special Note	Experimental KYTC and Hamburg Testing <i>attached</i>
Special Note	Culvert Extension <i>attached</i>
Special Note	Intelligent Compaction of Asphalt Mixtures <i>attached</i>
Special Note	Bridge Deck Waterproofing Membrane <i>attached</i>
Special Note	Paver Mounted Temperature Profiles <i>attached</i>
Special Note	Bridge Demolition, Renovation and Abatement <i>attached</i>

**SPECIAL NOTE FOR BRIDGE DECK WATERPROOFING
MEMBRANE AND ASPHALT OVERLAY ON BRIDGES**

I. DESCRIPTION

Perform all work in accordance with the Department's current Standard Specifications, applicable Special Provisions, and Standard Drawings, except as hereafter specified. Article references are to the Standard Specifications. Furnish all materials, labor, equipment, tools, and incidentals necessary to complete the One Step Bridge Deck Waterproofing Membrane.

II. MATERIALS

- A. Bridge Deck Waterproofing Membrane.** See Section 808.05.
- B. Surface Primer.** Use surface primer material recommended by the manufacturer.
- C. Asphalt Overlay.** Pave the bridge with the same type of asphalt that is being placed on the adjacent roadway.

III. CONSTRUCTION METHODS

- A. Surface Preparation.** Thoroughly clean the entire surface area of the bridge deck prior to paving. Clean by either air blasting or water blasting. If water blasting is used, thoroughly dry area prior to placing the primer and membrane.
- B. Prime Coating.** Apply material to the bridge deck according to the Manufacturer's recommendations.
- C. One Step Membrane.** Apply the membrane to the entire surface of the bridge deck. Overlap the membrane a minimum of 1 foot onto the adjacent roadway approaches. Extend the membrane up the face of the curbs a minimum of 1½ inches. Overlap membrane as necessary to achieve 100% coverage of the bridge deck. Install as recommended by the manufacturer, straight and wrinkle free, with no curled or uplifted edges.
- E. Pave Bridge with Asphalt Surface.** Pave the bridge with asphalt overlay immediately after the one step membrane is in place.

IV. METHOD OF MEASUREMENT

- A. One Step Membrane.** The Department will measure this item in square yards. The one step membrane area (A) will be calculated from the (L) length of the bridge plus 1 foot on each approach multiplied by the (W) width of the bridge curb to curb. $A = ((L+2) \times W) / 9$. This calculated area will be the area measured for payment; laps, cutoffs and waste will not be measured for payment.

V. METHOD OF PAYMENT

- A. Waterproofing Membrane.** Payment at the contract unit price per square yard shall be full compensation for all labor, equipment, materials and incidentals for surface preparation and furnishing and installing the surface primer and the one step membrane according to the Manufacturer's recommendations and these notes.

SPECIAL NOTE

For Tree Removal

**Fleming County
ADDRESS PAVEMENT CONDITION OF AC PAVEMENT ALONG
KY-32
Item No. 9-20009**

NO CLEARING OF TREES 5 INCHES OR GREATER (DIAMETER BREAST
HEIGHT) FROM JUNE 1- JULY 31.

**If there are any questions regarding this note, please contact Danny Peake, Director,
Division of Environmental Analysis, 200 Mero Street, Frankfort, KY 40601; Phone:
(502) 564-7250.**

PROPOSAL BID ITEMS

191224

Page 1 of 3

Report Date 7/18/19

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00001		DGA BASE	206.00	TON		\$	
0020	00191		ASPHALT SCRATCH COURSE PG64-22	5,718.00	TON		\$	
0030	00212		CL2 ASPH BASE 1.00D PG64-22	11,519.00	TON		\$	
0040	00221		CL2 ASPH BASE 0.75D PG64-22	28,190.00	TON		\$	
0050	00301		CL2 ASPH SURF 0.38D PG64-22	5,176.00	TON		\$	
0060	00387		CL3 ASPH SURF 0.38B PG76-22	12,992.00	TON		\$	
0070	02677		ASPHALT PAVE MILLING & TEXTURING	29,085.00	TON		\$	
0080	02696		SHOULDER RUMBLE STRIPS	114,449.00	LF		\$	
0090	20458ES403		CENTERLINE RUMBLE STRIPS	57,255.00	LF		\$	
0100	20550ND		SAWCUT PAVEMENT	110,194.00	LF		\$	
0110	25010EC		GEOCOMPOSITE REINFORCEMENT FOR ASPHALT	252,067.00	SQYD		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0120	00078		CRUSHED AGGREGATE SIZE NO 2	34,117.00	TON		\$	
0130	01983		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL YELLOW	231.00	EACH		\$	
0140	02091		REMOVE PAVEMENT	2,259.00	SQYD		\$	
0150	02200		ROADWAY EXCAVATION	42,065.00	CUYD		\$	
0160	02220		FLOWABLE FILL	21.00	CUYD		\$	
0170	02237		DITCHING	57,618.00	LF		\$	
0180	02360		GUARDRAIL TERMINAL SECTION NO 1	41.00	EACH		\$	
0190	02363		GUARDRAIL CONNECTOR TO BRIDGE END TY A	16.00	EACH		\$	
0200	02367		GUARDRAIL END TREATMENT TYPE 1	1.00	EACH		\$	
0210	02369		GUARDRAIL END TREATMENT TYPE 2A	2.00	EACH		\$	
0220	02373		GUARDRAIL END TREATMENT TYPE 3	6.00	EACH		\$	
0230	02381		REMOVE GUARDRAIL	26,125.00	LF		\$	
0240	02391		GUARDRAIL END TREATMENT TYPE 4A	33.00	EACH		\$	
0250	02562		TEMPORARY SIGNS	1,500.00	SQFT		\$	
0260	02599		FABRIC-GEOTEXTILE TYPE IV	39,122.00	SQYD		\$	
0270	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0280	02671		PORTABLE CHANGEABLE MESSAGE SIGN	4.00	EACH		\$	
0290	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0300	02704		SILT TRAP TYPE B	13.00	EACH		\$	
0310	02707		CLEAN SILT TRAP TYPE B	13.00	EACH		\$	
0320	02726		STAKING	1.00	LS		\$	
0330	02775		ARROW PANEL	4.00	EACH		\$	
0340	03171		CONCRETE BARRIER WALL TYPE 9T	500.00	LF		\$	
0350	04934		TEMP SIGNAL MULTI PHASE	1.00	EACH		\$	
0360	05950		EROSION CONTROL BLANKET	61,222.00	SQYD		\$	
0370	05963		INITIAL FERTILIZER	2.00	TON		\$	
0380	05964		MAINTENANCE FERTILIZER	3.00	TON		\$	
0390	05985		SEEDING AND PROTECTION	59,720.00	SQYD		\$	
0400	06412		STEEL POST MILE MARKERS	22.00	EACH		\$	

PROPOSAL BID ITEMS

191224

Page 2 of 3

Report Date 7/18/19

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0410	06511		PAVE STRIPING-TEMP PAINT-6 IN	403,770.00	LF		\$	
0420	06549		PAVE STRIPING-TEMP REM TAPE-B	2,500.00	LF		\$	
0430	06550		PAVE STRIPING-TEMP REM TAPE-W	1,250.00	LF		\$	
0440	06551		PAVE STRIPING-TEMP REM TAPE-Y	1,250.00	LF		\$	
0450	08903		CRASH CUSHION TY VI CLASS BT TL3 (REVISED: 7-18-19)	2.00	EACH		\$	
0460	10020NS		FUEL ADJUSTMENT	65,742.00	DOLL	\$1.00	\$	\$65,742.00
0470	10030NS		ASPHALT ADJUSTMENT	126,439.00	DOLL	\$1.00	\$	\$126,439.00
0490	21533EN		EMBANKMENT	9,520.00	CUYD		\$	
0500	21802EN		G/R STEEL W BEAM-S FACE (7 FT POST)	23,125.00	LF		\$	
0510	23010EN		PAVE MARK TEMP PAINT STOP BAR-24 IN	5,482.00	LF		\$	
0520	23785EC		REMOVE RAILROAD TIE	1.00	LF		\$	
0530	24489EC		INLAID PAVEMENT MARKER	715.00	EACH		\$	
0540	24781EC		INTELLIGENT COMPACTION FOR ASPHALT	63,495.00	TON		\$	
0550	24986EC		HMA ELECTRONIC DELIVERY MGMT SYSTEM	1.00	L S		\$	
0560	24995EC		PAVE STRIPING-SPRAY THERMO-6 IN W (REVISED: 7-18-19)	114,549.00	LF		\$	
0570	24996EC		PAVE STRIPING-SPRAY THERMO-6 IN Y (REVISED: 7-18-19)	87,337.00	LF		\$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0580	00440		ENTRANCE PIPE-15 IN	8.00	LF		\$	
0590	00462		CULVERT PIPE-18 IN	119.00	LF		\$	
0600	00464		CULVERT PIPE-24 IN	24.00	LF		\$	
0610	01204		PIPE CULVERT HEADWALL-18 IN	1.00	EACH		\$	
0620	01310		REMOVE PIPE	52.00	LF		\$	
0630	01433		SLOPED BOX OUTLET TYPE 1-18 IN	2.00	EACH		\$	
0640	01450		S & F BOX INLET-OUTLET-18 IN	8.00	EACH		\$	
0650	01451		S & F BOX INLET-OUTLET-24 IN	2.00	EACH		\$	
0660	01691		FLUME INLET TYPE 2 (REVISED: 7-18-19)	8.00	EACH		\$	
0670	01890		ISLAND HEADER CURB TYPE 1 (REVISED: 7-18-19)	200.00	LF		\$	
0680	02403		REMOVE CONCRETE MASONRY	17.00	CUYD		\$	
0690	02483		CHANNEL LINING CLASS II	175.00	TON		\$	
0700	03000		PRECAST CONC BOX SECT (10 X 4)	9.00	LF		\$	
0710	03000		PRECAST CONC BOX SECT (14 X 4)	9.00	LF		\$	
0720	03000		PRECAST CONC BOX SECT (3 X 2.5)	9.00	LF		\$	
0730	03000		PRECAST CONC BOX SECT (3 X 3)	9.00	LF		\$	
0740	03000		PRECAST CONC BOX SECT (4 X 2)	9.00	LF		\$	
0750	03000		PRECAST CONC BOX SECT (5 X 3)	9.00	LF		\$	
0760	03000		PRECAST CONC BOX SECT (6 X 2)	9.00	LF		\$	

PROPOSAL BID ITEMS

191224

Page 3 of 3

Report Date 7/18/19

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0770	08003		FOUNDATION PREPARATION	1.00	LS		\$	
0780	08100		CONCRETE-CLASS A	34.00	CUYD		\$	
0790	08103		CONCRETE-CLASS D MOD	6.00	CUYD		\$	
0800	08150		STEEL REINFORCEMENT	1,951.00	LB		\$	
0810	20366NN		REPLACE GRATE	20.00	EACH		\$	

Section: 0004 - BRIDGE - 035B00012N

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0820	00387		CL3 ASPH SURF 0.38B PG76-22	49.00	TON		\$	
0825	03250		WATERPROOFING MEMBRANE (ADDED: 7-18-19)	440.00	SQYD		\$	
0860	08510		REM EPOXY BIT FOREIGN OVERLAY	440.00	SQYD		\$	

Section: 0005 - BRIDGE - 035B00013N

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0870	00387		CL3 ASPH SURF 0.38B PG76-22	89.00	TON		\$	
0875	03250		WATERPROOFING MEMBRANE (ADDED: 7-18-19)	812.00	SQYD		\$	
0910	08510		REM EPOXY BIT FOREIGN OVERLAY	812.00	SQYD		\$	

Section: 0006 - BRIDGE - 035B00014N

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0920	00387		CL3 ASPH SURF 0.38B PG76-22	31.00	TON		\$	
0925	03250		WATERPROOFING MEMBRANE (ADDED: 7-18-19)	281.00	SQYD		\$	
0960	08510		REM EPOXY BIT FOREIGN OVERLAY	281.00	SQYD		\$	

Section: 0007 - BRIDGE - 03500015N

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0970	00387		CL3 ASPH SURF 0.38B PG76-22	32.00	TON		\$	
0975	03250		WATERPROOFING MEMBRANE (ADDED: 7-18-19)	290.00	SQYD		\$	
1010	08510		REM EPOXY BIT FOREIGN OVERLAY	290.00	SQYD		\$	

Section: 0008 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1020	02568		MOBILIZATION	1.00	LS		\$	
1030	02569		DEMOBILIZATION	1.00	LS		\$	