



COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET
www.transportation.ky.gov/

Andy Beshear
GOVERNOR

Jim Gray
SECRETARY

July 21, 2021

CALL NO. 106
CONTRACT ID NO. 211035
ADDENDUM # 1

Subject: Fayette County, 00TAP4003012
Letting July 23, 2021

- (1) Revised - Summary Sheet - Page 16 of 94
- (2) Revised - Proposal Bid Items - Pages 92-94 of 94
- (3) Revised - Plan Sheets - R2B, R2E, S1 and S2

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

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

Sincerely,

Rachel Mills,

A handwritten signature in cursive script that reads "Rachel Mills".

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

RM:mr
Enclosures

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.

DGA BASE

Unless otherwise noted, the Department estimates the rate of application for DGA Base to be 115 lbs/sy per inch of depth.

DGA BASE FOR SHOULDERS

Unless otherwise noted, the Department estimates the rate of application for DGA Base for Shoulders to be 115 lbs/sy per inch of depth. The Department will not measure necessary grading and/or shaping of existing shoulders prior to placing of DGA Base, but shall be incidental to the Contract unit price per ton for DGA Base.

Accept payment at the Contract unit price per ton as full compensation for all labor, materials, equipment, and incidentals for grading and/or shaping of existing shoulders and furnishing, placing, and compacting the DGA Base.

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.

PROPOSAL BID ITEMS

211035

Page 1 of 3

Report Date 7/21/21

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00001		DGA BASE	156.00	TON		\$	
0020	00212		CL2 ASPH BASE 1.00D PG64-22	20.00	TON		\$	
0030	00387		CL3 ASPH SURF 0.38B PG76-22	627.00	TON		\$	
0040	02099		CEM CONC ENT PAVEMENT-6 IN	445.00	SQYD		\$	
0050	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0060	02677		ASPHALT PAVE MILLING & TEXTURING	504.00	TON		\$	
0070	24970EC		ASPHALT MATERIAL FOR TACK NON-TRACKING	3.40	TON		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0080	00078		CRUSHED AGGREGATE SIZE NO 2	205.00	TON		\$	
0090	01310		REMOVE PIPE	33.00	LF		\$	
0100	01791		ADJUST MANHOLE FRAME TO GRADE	3.00	EACH		\$	
0110	01987		DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	4.00	EACH		\$	
0120	02230		EMBANKMENT IN PLACE	882.00	CUYD		\$	
0130	02242		WATER	8.20	MGAL		\$	
0140	02351		GUARDRAIL-STEEL W BEAM-S FACE	288.00	LF		\$	
0150	02360		GUARDRAIL TERMINAL SECTION NO 1	5.00	EACH		\$	
0160	02378		GUARDRAIL CONNECTOR TO BRIDGE END TY D	4.00	EACH		\$	
0170	02381		REMOVE GUARDRAIL	397.00	LF		\$	
0180	02484		CHANNEL LINING CLASS III	103.00	TON		\$	
0190	02545		CLEARING AND GRUBBING 2.8 ACRES	1.00	LS		\$	
0200	02562		TEMPORARY SIGNS	110.00	SQFT		\$	
0220	02585		EDGE KEY	203.00	LF		\$	
0230	02603		FABRIC-GEOTEXTILE CLASS 2	500.00	SQYD		\$	
0240	02607		FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	1,729.00	SQYD	\$2.00	\$	\$3,458.00
0250	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0260	02719		SIDEWALK-4 1/2 INCH CONCRETE 4.5" CONCRETE SIDEWALK (LFUCG)	1,446.00	SQYD		\$	
0270	02726		STAKING	1.00	LS		\$	
0280	03269		TRIM & REMOVE TREES & BRUSH	265.00	LF		\$	
0290	05950		EROSION CONTROL BLANKET	971.00	SQYD		\$	
0300	05985		SEEDING AND PROTECTION	1,664.00	SQYD		\$	
0310	06566		PAVE MARKING-THERMO X-WALK-12 IN	150.00	LF		\$	
0320	06568		PAVE MARKING-THERMO STOP BAR-24IN	149.00	LF		\$	
0330	06569		PAVE MARKING-THERMO CROSS-HATCH	1,338.00	SQFT		\$	
0340	06574		PAVE MARKING-THERMO CURV ARROW	8.00	EACH		\$	
0350	06589		PAVEMENT MARKER TYPE V-MW	13.00	EACH		\$	
0360	06591		PAVEMENT MARKER TYPE V-BY	32.00	EACH		\$	
0370	20550ND		SAWCUT PAVEMENT	2,246.00	LF		\$	
0380	20782NS714		PAVE MARKING THERMO-BIKE	14.00	EACH		\$	
0390	21415ND		EROSION CONTROL	1.00	LS		\$	

PROPOSAL BID ITEMS

211035

Page 2 of 3

Report Date 7/21/21

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0400	21813NN		REMOVE AND RELOCATE SHEET SIGNS	13.00	EACH		\$	
0410	23010EN		PAVE MARK TEMP PAINT STOP BAR-24 IN	75.00	LF		\$	
0420	23158ES505		DETECTABLE WARNINGS	104.00	SQFT		\$	
0430	23608EC		YELLOW PAINT FOR MEDIAN SAFETY NOSE	43.00	SQFT		\$	
0440	23875NC		REMOVE THERMOPLASTIC ARROWS	8.00	EACH		\$	
0450	24386EC		PAVE MARKING THERMO-BIKE LANE ARROW	14.00	EACH		\$	
0460	24576EN		LFUCG CURB AND GUTTER TYPE I LFUCG TY 1 CURB AND GUTTER	1,799.00	LF		\$	
0470	24631EC		BARCODE SIGN INVENTORY	4.00	EACH		\$	
0480	24814EC		PIPELINE INSPECTION	785.00	LF		\$	
0490	24993EC		PAVE STRIPING-SPRAY THERMO-4 IN W	2,576.00	LF		\$	
0500	24994EC		PAVE STRIPING-SPRAY THERMO-4 IN Y	4,153.00	LF		\$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0510	00461		CULVERT PIPE-15 IN	27.00	LF		\$	
0520	00521		STORM SEWER PIPE-15 IN	758.00	LF		\$	
0530	01202		PIPE CULVERT HEADWALL-15 IN	3.00	EACH		\$	
0540	01456		CURB BOX INLET TYPE A LFUCG CURB BOX INLET TY A	5.00	EACH		\$	
0550	01459		CURB BOX INLET TYPE A MOD LFUCG CURB BOX INLET TY A MODIFIED	1.00	EACH		\$	
0560	01545		DROP BOX INLET TYPE 11 MOD LFUCG SURFACE INLET TY B MODIFIED	2.00	EACH		\$	
0570	01585		REMOVE DROP BOX INLET	1.00	EACH		\$	
0580	24810ED		SIDEWALK FLUME ARMSTRONG MILL	8.00	EACH		\$	

Section: 0004 - BRIDGE- SITE 1

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0590	02231		STRUCTURE GRANULAR BACKFILL	19.00	CUYD		\$	
0600	02998		MASONRY COATING	48.00	SQYD		\$	
0610	08001		STRUCTURE EXCAVATION-COMMON	35.00	CUYD		\$	
0620	08019		CYCLOPEAN STONE RIP RAP	22.00	TON		\$	
0630	08039		PRE-DRILLING FOR PILES	50.00	LF		\$	
0640	08046		PILES-STEEL HP12X53	73.00	LF		\$	
0650	08094		PILE POINTS-12 IN	5.00	EACH		\$	
0660	08100		CONCRETE-CLASS A	25.40	CUYD		\$	
0670	08150		STEEL REINFORCEMENT	2,686.00	LB		\$	
0675	24567ED		TRUSS BRIDGE SUPERSTRUCTURE (ADDED 7-21-21)	1.00	LS		\$	
0680	26129EC		DECORATIVE HANDRAIL	196.00	LF		\$	

Section: 0005 - BRIDGE- SITE 2

PROPOSAL BID ITEMS

211035

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Report Date 7/21/21

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0690	02998		MASONRY COATING	46.00	SQYD		\$	
0700	08104		CONCRETE-CLASS AA	16.10	CUYD		\$	
0710	08150		STEEL REINFORCEMENT	1,920.00	LB		\$	
0720	08663		PRECAST PC BOX BEAM CB21-48	96.00	LF		\$	
0730	26129EC		DECORATIVE HANDRAIL	47.00	LF		\$	

Section: 0006 - BRIDGE- SITE 3

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0740	02998		MASONRY COATING	66.00	SQYD		\$	
0750	08104		CONCRETE-CLASS AA	17.50	CUYD		\$	
0760	08151		STEEL REINFORCEMENT-EPOXY COATED	2,583.00	LB		\$	
0770	26129EC		DECORATIVE HANDRAIL	62.50	LF		\$	

Section: 0007 - SIGNING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0780	06406		SBM ALUM SHEET SIGNS .080 IN	18.00	SQFT		\$	
0790	06411		STEEL POST TYPE 2	24.00	LF		\$	

Section: 0008 - SIGNALIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0800	04750		TRANSFORMER BASE	4.00	EACH		\$	
0810	04841		CABLE-NO. 14/2C	524.00	LF		\$	
0820	04844		CABLE-NO. 14/5C	544.00	LF		\$	
0830	04845		CABLE-NO. 14/7C	425.00	LF		\$	
0840	04881		MAST ARM POLE	2.00	EACH		\$	
0850	04899		ELECTRICAL SERVICE	1.00	EACH		\$	
0860	04900		PEDESTRIAN DETECTOR	4.00	EACH		\$	
0870	04912		SIGNAL-3 SECTION 12 IN	6.00	EACH		\$	
0880	04916		SIGNAL-PEDESTRIAN	4.00	EACH		\$	
0890	20391NS835		ELECTRICAL JUNCTION BOX TYPE A	3.00	EACH		\$	
0900	20392NS835		ELECTRICAL JUNCTION BOX TYPE C	2.00	EACH		\$	
0910	23157EN		TRAFFIC SIGNAL POLE BASE	8.00	CUYD		\$	
0920	23749EC		PEDESTRIAN SIGNAL PEDESTAL	4.00	EACH		\$	
0930	24121EC		HDPE CONDUIT-2 IN-SCHEDULE 80	345.00	LF		\$	
0940	24893EC		RADAR VEHICLE DETECTOR	4.00	EACH		\$	
0950	24901EC		PVC CONDUIT-2 IN-SCHEDULE 80	245.00	LF		\$	
0960	24915ED		SIGNAL CONTROLLER WITH CABINET	1.00	EACH		\$	

Section: 0009 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0970	02569		DEMOBILIZATION	1.00	LS		\$	

GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
FAYETTE	07-3213.00	R2B

ITEM	DESCRIPTION	UNIT	TOTAL PROJECT
00078	CRUSHED AGGREGATE SIZE NO. 2	TON	205
01310	REMOVE PIPE	LN FT	33
01791	ADJUST MANHOLE FRAME TO GRADE	EACH	3
01987	DELINEATOR FOR GUARDRAIL BI-DIRECTIONAL WHITE	EACH	4
02230	EMBANKMENT IN PLACE	CU YD	882
02242	WATER	M GAL	8.2
02351	GUARDRAIL-STEEL W BEAM-S FACE	LN FT	288
02360	GUARDRAIL TERMINAL SECTION NO. 1	EACH	5
02378	GUARDRAIL CONNECTOR TO BRIDGE END TY D	EACH	4
02381	REMOVE GUARDRAIL	LN FT	397
02484	CHANNEL LINING CLASS III	TON	103
02545	CLEARING AND GRUBBING	LP SUM	1
02562	TEMPORARY SIGNS	SO FT	110
02569	DEMOBILIZATION	LP SUM	1
02585	EDGE KEY	LN FT	203
02603	FABRIC-GEOTEXTILE CLASS 2	SO YD	500
02607	FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	SO YD	1,729
02650	MAINTAIN & CONTROL TRAFFIC	LP SUM	1
02719	SIDEWALK-4 1/2 INCH CONCRETE	SO YD	1,446
02726	STAKING	LP SUM	1
03269	TRIM & REMOVE TREES & BRUSH	LN FT	265
05950	EROSION CONTROL BLANKET	SO YD	971
05985	SEEDING AND PROTECTION	SO YD	1,664
06406	SBM ALUM SHEET SIGNS .080 IN	SO FT	18
06411	STEEL POST TYPE 2	LN FT	24
06566	PAVE MARKING-THERMO X-WALK-12 IN	LN FT	150
06568	PAVE MARKING-THERMO STOP BAR-24 IN	LN FT	149
06569	PAVE MARKING-THERMO CROSS-HATCH	SO FT	1,338
06574	PAVE MARKING-THERMO CURV ARROW	EACH	8
06589	PAVEMENT MARKER TY V-MW	EACH	13
06591	PAVEMENT MARKER TY V-BY	EACH	32
20550ND	SAWCUT PAVEMENT	LN FT	2,246
21415ND	EROSION CONTROL	LP SUM	1
21813NN	REMOVE AND RELOCATE SHEET SIGN	EACH	13
23010EN	PAVE MARK TEMP PAINT STOP BAR-24 IN	LN FT	75
23608EC	YELLOW PAINT FOR MEDIAN SAFETY NOSE	SO FT	43
23875NC	REMOVE THERMOPLASTIC ARROWS	EACH	8
24386EC	PAVE MARKING THERMO-BIKE LANE ARROW	EACH	14
24633EC	BARCODE SIGN INVENTORY	EACH	4
24814EC	PIPELINE INSPECTION	LN FT	785
249933EC	PAVE STRIPING-SPRAY THERMO-4 IN W	LN FT	2,576
249944EC	PAVE STRIPING-SPRAY THERMO-4 IN Y	LN FT	4,153
20782NS714	PAVE MARKING THERMO-BIKE	EACH	14
23158ES505	DETECTABLE WARNINGS	SO FT	104

ITEM	DESCRIPTION	UNIT	TOTAL PROJECT
24576EN	LFUCG CURB AND GUTTER TY 1	LN FT	1,799
02701	TEMP SILT FENCE (LFUCG)	LN FT	3,848
02704	SILT TRAP TY B (CHECK DAM LFUCG)	EACH	3
00078	SILT TRAP TY C (STORM DRAIN INLET PROTECTION LFUCG)	EACH	16

NOTES:

- APPROXIMATELY 2.8 AC.
- FOR CONTROLLING DUST CAUSED BY MAINTAINING TRAFFIC ONLY, ESTIMATED AT 25 THOUSAND GALLONS PER MILE
- 10 L.F. CARRIED OVER FROM PIPE SUMMARY
- FOR MAINTAINING AND CONTROLLING TRAFFIC
- USE FABRIC GEOTEXTILE CLASS 2 AND CRUSHED AGGREGATE NO 2 FOR ANY AREAS THAT NEED UNDERCUTTING AS DIRECTED BY THE ENGINEER.
- EROSION CONTROL BLANKET ROADSIDE DITCHES 38 S.Y.
- FOR WRAPPING PIPE TRENCH BACKFILL
- LFUCG ITEM; SEE DETAIL SHEETS
- QUANTITY INCLUDED IN LUMP SUM EROSION CONTROL ESTIMATE.

EARTHWORK (CU. YD.)

COM 285
 EMB 882
 SURF. DT. L.T. 8
 SURF. DT. RT. 0
 EMB BENCH 0

NOTE:

THE EARTHWORK SHOWN ABOVE IS FOR INFORMATION ONLY. ASSUMPTIONS FOR SHRINKAGE AND SWELL FACTORS ARE THE CONTRACTOR'S RESPONSIBILITY.

GENERAL NOTES

GENERAL PROVISIONS

N.G.S. (U.S.G.S.) BENCH MARKS

DO NOT DISTURB N.G.S. (U.S.G.S.) BENCH MARKS IN ANY MATTER UNLESS DIRECTED BY THE ENGINEER.

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. 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.

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 ON THIS PROJECT BY OPTION B ACCORDING TO SUBSECTIONS 402.03.02 AND 403.03.10 OF THE STANDARD SPECIFICATIONS.

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) 564-4610

SPECIAL NOTES / PROVISIONS

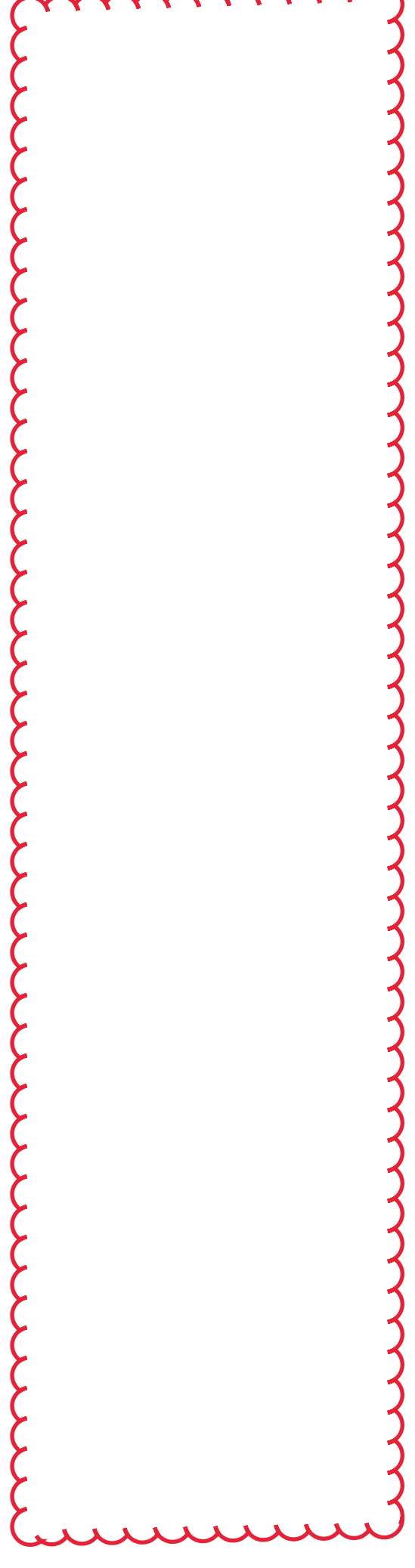
SEE SPECIAL NOTE FOR NON-TRACKING TACK COAT

SEE SPECIAL NOTE FOR BARCODES ON PERMANENT SIGNS

COUNTY OF	ITEM NO.	SHEET NO.
FAYETTE	07-3213.00	R2E

GENERAL NOTES

COUNTY OF	ITEM NO.	SHEET NO.
FAYETTE	07-3213.00	R2E



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SPECIAL NOTES / PROVISIONS

SEE SPECIAL NOTE FOR NON-TRACKING TACK COAT
 SEE SPECIAL NOTE FOR BARCODES ON PERMANENT SIGNS

LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT FAYETTE COUNTY GOVERNMENT ARMSTRONG MILL IMPROVEMENTS PEDESTRIAN BRIDGE END BENTS, PEDESTRIAN BRIDGE & RAISED SIDEWALK

INDEX OF SHEETS

Sheet No.	Description
S1	TITLE SHEET & GENERAL NOTES
S2	LAYOUT - BRIDGE SITE 1
S3	FOUNDATION LAYOUT - SITE 1
S4-S5	END BENT 1 - SITE 1
S6	END BENT 2 - SITE 1
S7	BILL OF REINFORCEMENT -SITE 1
S8	HANDRAIL & TRUSS DETAILS - SITE 1
S9	SUBSURFACE DATA - SITE 1
S10	LAYOUT - BRIDGE SITE 2
S11-S15	PRESTRESSED BOX BEAM NOTES & DETAILS - SITE 2
S16	SLAB & BARRIER DETAILS- SITE 2
S17	RAILING DETAILS - SITE 2
S18	LAYOUT - BRIDGE SITE 3
S19	SIDEWALK DETAILS - SITE 3
S20	RAILING DETAILS - SITE 3

SPECIAL NOTES

75 STRUCTURAL ADHESIVES WITH EXTENDED CONTACT TIME

SPECIAL PROVISIONS

STANDARD DRAWINGS

BGX-006-10	STENCILS FOR STRUCTURES
BGX-012-02	GEOTECHNICAL LEGEND
BPS-003-09	HP12X53 STEEL PILE

SPECIFICATIONS

2019 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
2017 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, WITH CURRENT INTERIMS

CONSTRUCTION IDENTIFICATION

THE NAMES OF THE PRIME CONTRACTOR AND THE SUB-CONTRACTOR SHALL BE IMPRINTED IN THE CONCRETE WITH #1 LETTERS AT A LOCATION DESIGNATED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ALL PLANS, EQUIPMENT AND LABOR NECESSARY TO DO THE WORK FOR WHICH NO ADDITIONAL PAYMENT SHALL BE MADE. FOR DETAILS, SEE STANDARD DRAWING BGX-006, C.E.

MASONRY COATING

A MASONRY COATING FINISH SHALL BE APPLIED IN ACCORDANCE WITH SECTION 601.03.18B OF THE SPECIFICATIONS. THE MASONRY COATING SHALL NOT BE APPLIED UNTIL THE DECK IS COMPLETE. APPLY MASONRY COATING TO EVERY EXPOSED SURFACE OF ALL SUBSTRUCTURE UNITS ABOVE A POINT 6 INCHES BELOW GROUND OR FILL LINE. DO NOT APPLY THE COATING TO THE BEARING AREAS AND WALKING SURFACES.

CONSTRUCTION JOINTS

UNLESS SHOWN OTHERWISE, THE CONCRETE SURFACE AT ALL CONSTRUCTION JOINTS SHALL BE INTENTIONALLY ROUGHENED TO A 1/4" AMPLITUDE, UNLESS A DEPRESSED SHEAR KEY IS SPECIFIED. WHERE KEVED CONSTRUCTION JOINTS ARE INDICATED ON THE PLANS, INTENTIONAL ROUGHENING OF THE CONCRETE SURFACE IS NOT REQUIRED.

STRUCTURE GRANULAR BACKFILL

THE AREA BEHIND EACH END BENT IS TO BE BACKFILLED WITH STRUCTURE GRANULAR BACKFILL MEETING THE REQUIREMENTS OF SECTION 805.11 OF THE SPECIFICATIONS. ALL GEOTEXTILE FABRIC TYPE IV REQUIRED SHALL BE INCIDENTAL TO STRUCTURE GRANULAR BACKFILL. FOR LIMITS OF STRUCTURE GRANULAR BACKFILL, SEE DIAGRAM ON SHEET S7.

STRUCTURE EXCAVATION

SLOPING, SHORING, SHEETING AND/OR A DEWATERING METHOD MAY BE REQUIRED TO COMPLETE EXCAVATIONS FOR SUBSTRUCTURE CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILITY AND SAFETY OF ALL EXCAVATIONS.

GEOTECHNICAL NOTES

SEE FOUNDATION LAYOUT SHEET.

PILE DATA

PILES SHALL BE DRIVEN TO PRACTICAL REFUSAL. SEE FOUNDATION LAYOUT FOR ADDITIONAL PILE NOTES AND DETAILS.

PILE POINTS

PILE POINTS ARE REQUIRED ON ALL PILES. THE PILE POINTS SHALL BE THE TYPE FOR SEATING PILES IN A SLOPING ROCK SURFACE. PILE POINTS SHALL BE IN ACCORDANCE WITH SUBSECTION 604.03.04(G) OF THE STANDARD SPECIFICATIONS.

ON-SITE INSPECTION

EACH CONTRACTOR SUBMITTING A BID FOR THIS WORK SHALL MAKE A THOROUGH INSPECTION OF THE PROJECT SITE PRIOR TO SUBMITTING A BID AND SHALL BE THOROUGHLY FAMILIARIZED WITH THE EXISTING CONDITIONS SUCH THAT WORK CAN BE EXPEDITIOUSLY PERFORMED AFTER A CONTRACT IS AWARDED. SUBMISSION OF A BID WILL BE CONSIDERED EVIDENCE OF THIS INSPECTION HAVING BEEN MADE. ANY CLAIMS RESULTING FROM SITE CONDITIONS WILL NOT BE HONORED BY LFUGC.

COMPLETION OF THE STRUCTURE

THE CONTRACTOR IS REQUIRED TO COMPLETE THE STRUCTURE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. MATERIAL, LABOR OR CONSTRUCTION OPERATIONS, NOT OTHERWISE SPECIFIED, ARE TO BE INCLUDED IN THE BID ITEM MOST APPROPRIATE TO THE WORK INVOLVED. THIS MAY INCLUDE COFFERDAMS, SHORING, EXCAVATION, BACKFILLING, REMOVAL OF ALL OR PARTS OF EXISTING STRUCTURES, PHASED CONSTRUCTION, INCIDENTAL MATERIALS, LABOR OR ANYTHING ELSE REQUIRED TO COMPLETE THE STRUCTURE.

TRUSS SUPERSTRUCTURE

THE CONTRACTOR SHALL PROVIDE A PREFABRICATED WEATHERING STEEL TRUSS SUPERSTRUCTURE UNIT. THE UNIT SHALL MEET THE SPAN LENGTH PROVIDED HEREIN AND PROVIDE FOR A 6" WIDE USABLE WIDTH BETWEEN CURBS. THE TRUSS UNIT SHALL MEET THE GENERAL APPEARANCE AND GEOMETRIC REQUIREMENTS HEREIN.

TRUSS DESIGN SHALL PROVIDE FOR ADEQUATE SLAB DRAINAGE.

SINCE IT IS IMPORTANT THAT THE FINISHED STRUCTURE WEATHER TO A UNIFORM DARK RUSSET COLOR, SPECIAL PRECAUTIONS MUST BE TAKEN TO ASSURE THAT ALL EXPOSED SURFACES ARE KEPT FREE OF GREASE, DIRT, CONCRETE STAINS, PAINT, OR OTHER FOREIGN SUBSTANCES. CARE SHOULD BE TAKEN TO AVOID GOUGES, SCRATCHES, AND DENTS. THE USE OF ACIDS TO REMOVE SCALE AND STAINS IN THE FIELD WILL NOT BE PERMITTED. NO ELEMENT OF THE STRUCTURE, EXCEPT FOR THE EXPANSION DEVICE PLATES, SHALL BE PAINTED UNLESS OTHERWISE NOTED. IT IS MANDATORY THAT ALL EXPOSED SURFACES IN THE COMPLETE STRUCTURE BE FREE OF ANY TYPE OF SHOP MARKINGS OF IDENTIFICATION. SCALE DISCOLORATION PRODUCED BY WELDING SHALL BE REMOVED. ANY FOREIGN MATERIAL WHICH ADHERES TO THE STEEL THAT WOULD INHIBIT FORMATION OF THE OXIDE FILM SHALL BE REMOVED AS SOON AS PRACTICAL.

THE CONTRACTOR SHALL PROTECT THE SUBSTRUCTURE FROM STAINING DURING CONSTRUCTION. ANY CONCRETE STAINING WILL BE REMOVED PRIOR TO APPLYING ANY MASONRY COATING. THE COST OF PROTECTING THE SUBSTRUCTURES SHALL BE INCIDENTAL TO TRUSS BRIDGE SUPERSTRUCTURE.

THE CONTRACTOR IS RESPONSIBLE FOR THE ENGINEERING DESIGN OF THE TRUSS, TRUSS BEARINGS, TRUSS RAILINGS, EXPANSION DEVICES, ANCHORAGE OF THE TRUSS TO THE SUBSTRUCTURE (INCLUDING ANCHOR EMBEDMENT AND ACCOUNTING FOR BUOYANT FORCES DURING THE 100 YR. FLOOD CONDITION), ANY CHANGES TO THE SUBSTRUCTURE TO SUPPORT THE SELECTED TRUSS, AND THE REINFORCED CONCRETE SLAB. DESIGNS SHALL MEET THE REQUIREMENTS OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, CURRENT EDITION, ALL APPLICABLE KYTC REQUIREMENTS, AND BE ADA COMPLIANT. THE DESIGN SHALL MEET GENERAL NOTE REQUIREMENTS FOR LIVE LOAD, WIND LOAD, AND FUTURE WEARING SURFACE LOAD AND MEET MINIMUM SEAT WIDTH REQUIREMENTS PROVIDED IN AASHTO LRFD. DESIGN CALCULATIONS AND CONSTRUCTION DRAWINGS FOR THESE COMPONENTS SHALL BE PREPARED AND SEALED BY AN ENGINEER LICENSED IN THE COMMONWEALTH OF KENTUCKY. SEALED CALCULATIONS AND SEALED CONSTRUCTION DRAWINGS SHALL BE SUBMITTED FOR REVIEW.

SPECIFICATIONS

ALL REFERENCES TO THE STANDARD SPECIFICATIONS ARE TO THE 2019 EDITION OF THE KENTUCKY DEPARTMENT OF HIGHWAYS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, WITH CURRENT SUPPLEMENTAL SPECIFICATIONS. ALL REFERENCES TO THE AASHTO SPECIFICATIONS ARE TO THE 7TH EDITION (2014) OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS. ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

LIVE LOAD

THIS BRIDGE IS DESIGNED FOR A 90 PSF UNIFORM PEDESTRIAN LIVE LOADING OVER THE FULL DECK AREA OR A SINGLE 4,000 LB. UTILITY VEHICLE LOAD (NON-CONCURRENT). THE VEHICLE LOAD SHALL BE DISTRIBUTED AS A FOUR-WHEEL VEHICLE WITH 50% OF THE LOAD ON THE REAR WHEELS. THE WHEEL TRACK WIDTH OF THE VEHICLE SHALL BE 2'-8" AND THE WHEEL BASE SHALL BE 4'-0". THE VEHICLE IS POSITIONED SO AS TO PRODUCE THE MAXIMUM STRESS IN EACH DESIGNED MEMBER.

WIND LOAD

THE BRIDGE IS DESIGNED FOR A WIND LOAD BASED ON A WIND VELOCITY = 90 MPH.

MATERIAL DESIGN SPECIFICATIONS

FOR CLASS "A" REINFORCED CONCRETE
FOR CLASS "AA" REINFORCED CONCRETE
FOR STEEL REINFORCEMENT
FOR STRUCTURAL STEEL (PILING)
 $f'c = 3,500 \text{ psi}$
 $f'c = 4,000 \text{ psi}$
 $Fy = 60,000 \text{ psi}$
 $Fy = 50,000 \text{ psi}$

CONCRETE

CLASS "A" CONCRETE IS TO BE USED THROUGHOUT THE END BENTS AT BRIDGE SITE 1. CLASS "AA" CONCRETE IS TO BE USED THROUGHOUT THE SLAB AND CURBS AT BRIDGE SITE 2. CLASS "AA" CONCRETE IS TO BE USED THROUGHOUT THE RAISED SIDEWALK SLAB AND PARAPET AT BRIDGE SITE 3.

DIMENSIONS

DIMENSIONS ARE BASED ON A TEMPERATURE OF 60° FAHRENHEIT. LAYOUT DIMENSIONS ARE HORIZONTAL MEASUREMENTS. STATIONING AND ELEVATIONS ARE IN FEET.

REINFORCEMENT

DIMENSIONS SHOWN FROM THE FACE OF CONCRETE TO BARS ARE TO CENTER OF BARS UNLESS INDICATED OTHERWISE. SPACING OF BARS IS FROM CENTER TO CENTER OF BARS. CLEAR DISTANCE TO FACE OF CONCRETE IS 2 INCHES UNLESS OTHERWISE NOTED. ANY REINFORCING BARS DESIGNATED BY SUFFIX (S) IN THE PLANS SHALL BE CONSIDERED A STIRRUP BAR FOR PURPOSES OF BEND DIAMETERS.

SHOP DRAWINGS

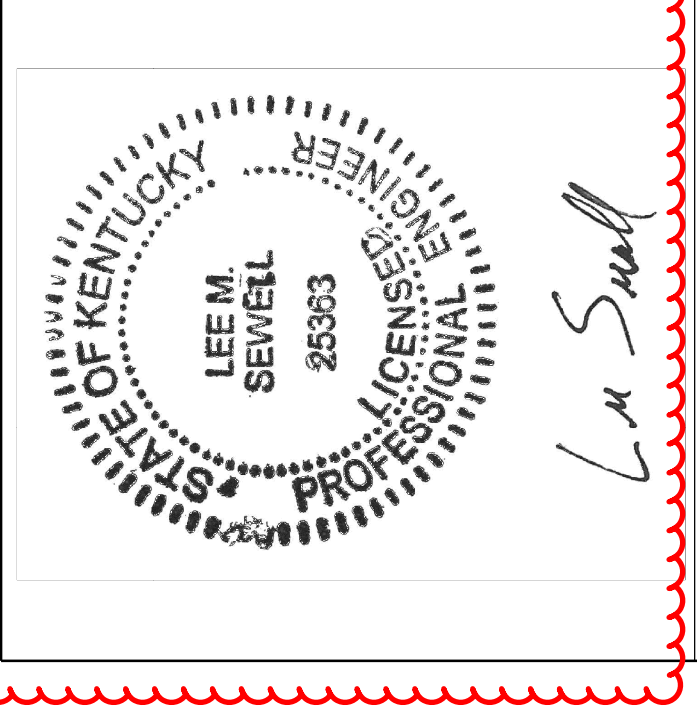
SUBMIT SHOP DRAWINGS THAT ARE REQUIRED BY THE PLANS AND SPECIFICATIONS DIRECTLY TO THE CONSULTANT FOR REVIEW. IF CHANGES IN THE DESIGN PLANS ARE PROPOSED BY A FABRICATOR OR SUPPLIER, SUBMIT THOSE CHANGES TO THE CONSULTANT. SUBMIT ALL FINAL, APPROVED SHOP DRAWINGS TO LFUGC.

BEVELED EDGES

ALL EXPOSED EDGES SHALL BE BEVELED 3/4" UNLESS OTHERWISE SHOWN.

SLOPE PROTECTION

SLOPE PROTECTION AT END BENTS SHALL BE CYCLOPEAN STONE RIPRAP IN ACCORDANCE WITH THE PLANS AND STANDARD SPECIFICATIONS. GEOTEXTILE FABRIC, TYPE I SHALL BE PLACED BETWEEN THE EMBANKMENT AND THE SLOPE PROTECTION IN ACCORDANCE WITH STANDARD SPECIFICATIONS 214 AND 843. PAYMENT FOR GEOTEXTILE FABRIC, TYPE I SHALL BE CONSIDERED INCIDENTAL TO THE UNIT PRICE BID FOR CYCLOPEAN STONE RIPRAP.



LEE M. SEWELL
DATE: JULY 20, 2021
P.E. 25363

ARMSTRONG MILL ROAD CROSSING
TATES CREEK
LEXINGTON - FAYETTE
URBAN COUNTY GOVERNMENT
FAYETTE

TITLE SHEET & GENERAL NOTES

PREPARED BY
S1
DRAWING NO.

ITEM NUMBER
07-3213.00

LETTING DATE

CONSTRUCTION PROJECT NO.

FILE NAME: K:\16022 - 4 ARMSTRONG MILL SIDEWALKS\CADD\STRUCTURES DRAWINGS\DNS FOR KYTC\JULY 2021\01-TITLE.DGN

USER: bdrckman
DATE PLOTTED: July 20, 2021

E-SHEET NAME: Power InRoads v8.11.9.397

INTEGRATED ENGINEERING

