



COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET

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Andy Beshear
GOVERNOR

Jim Gray
SECRETARY

October 12, 2020

CALL NO. 102
CONTRACT ID NO. 201311
ADDENDUM # 1

Subject: NELSON COUNTY, STP 1501 (123)
Letting October 23, 2020

- (1) Added - Special Note for Grooved All Weather Pavement Markings -
Pages 34(a)-34(c) of 170
- (2) Revised - Utilities and Rail Certification Note - Pages 37-39 of 170
- (3) Revised - Proposal Bid Items - Pages 166-170 of 170
- (4) Revised - Plan Sheets - R2J and R2K

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

SPECIAL NOTE FOR GROOVED ALL WEATHER PAVEMENT MARKINGS

1. DESCRIPTION. Furnish and install a wet retroreflective pavement marking system in accordance with this special note. Project will include use of thermoplastic striping. Striping shall include specified elements to provide wet retroreflectivity. Lines shall be installed in a shallow groove to protect retroreflective elements.

2. THERMOPLASTIC STRIPING. Thermoplastic pavement markings shall comply with Sections 714 and 837 of the Department of Highways' Standard Specifications for Road and Bridge Construction, unless otherwise noted. Contrary to Section 714 of the Standard Specifications, thermoplastic striping shall be a minimum thickness of 100 mils. Striping shall include specified elements to provide wet retroreflectivity.

Gaps in the edge lines, as outlined in the Subsection 714.03.01 of the Standard Specifications for Road and Bridge Construction, will not be necessary for specified wet reflective striping since these installations will be recessed below the surface.

3. WET REFLECTIVE ELEMENTS. Wet reflective beads shall be:

- 3M Connected Roads All Weather Elements

The color of the wet reflective beads shall match the color of the line being applied. Traditional and wet reflective beads shall be applied in a double-drop application of traditional glass beads and wet reflective optical elements. Contractor shall follow manufacturer's recommendations as to incorporating wet reflective elements into the striping operation. Apply traditional beads and wet reflective elements in sufficient quantities to obtain the dry retroreflectivity requirements and desired wet retroreflectivity levels. A 50/50 ratio of traditional beads to wet reflective elements is recommended, but bead distribution may be modified with the approval of the engineer, if the contractor feels that a different distribution is necessary to meet dry/wet retroreflectivity levels.

The manufacturer of the wet reflective bead shall have a factory representative on site before the contractor begins striping operations. The factory representative shall assure the engineer that the wet reflective system has been calibrated for proper application before the contractor begins. The factory representative shall remain available to periodically assure the engineer the system is being applied according to the manufacturer's recommendations. A random sample of wet reflective elements shall be provided to the Division of Materials before use on the project.

4. PLACEMENT IN GROOVE. In an attempt to protect the retroreflective elements, striping shall be installed in shallow grooves. Contractor shall follow bead manufacturer's recommendations regarding grooving applications.

Grooves shall be a minimum of 2" from any longitudinal pavement joint. The groove shall not be installed on concrete surfaces or in other areas identified by the Engineer. The groove shall not be installed continuously for intermittent pavement markings, but only where markings are to be

applied.

Grooves shall be 1 inch ± ¼ inch wider than the pavement marking material. Groove depth shall be 150 mils ±5 mils, unless otherwise approved by the Engineer. Depth shall be consistent across the full width of the groove. Depth plates shall be provided by the Contractor to the Engineer to assure that desired groove depth is achieved.

Grooves that are ground deeper or wider than the specified allowable limits shall be repaired per the direction of the Engineer at no additional cost. Grooves that are ground too shallow, too narrow, or with unacceptable rises between blade cuts shall be reground to the correct size, depth, and surface finish at no additional cost. Slots ground out of alignment shall be patched using an approved method and materials.

Prior to cutting out the grooves for all recessed lines, the Contractor shall use a chalk line or other suitable method to layout the proposed pavement markings on the surface course so that the Engineer can inspect the locations.

Grooves shall be clean, dry and free of laitance, oil, dirt, grease, paint or other foreign contaminants. If water is used to clean the groove or the grooving process takes place during rainfall, a minimum of 24 hours of dry time is required prior to the placement of pavement markings.

After the depth, width, length, and surface condition has been approved by the Engineer, grooves shall be cleaned of any fine particles using high-pressure compressed air before application of the striping. The Contractor shall prevent traffic from traversing the grooves and re-clean grooves, as necessary, prior to application of pavement markings at no additional cost to the Department.

5. PAVEMENT MARKING PERFORMANCE. Pavement marking retroreflectivity performance under dry conditions will be evaluated in accordance with the Standard Specifications for Road and Bridge Construction.

The use of wet reflective elements on this project is part of a pilot effort to evaluate potential pavement marking enhancements. As a result, minimum wet retroreflectivity values have been established and will be measured. However, the wet retroreflectivity performance will not be considered as part of the acceptance and payment for pavement striping on this project.

Desired minimum wet recovery retroreflectivity requirements at the end of the proving period (Standard Specifications for Road and Bridge Construction, Section 714.03.06) are as follows:

Retroreflectivity (mcd(ft ⁻²)(fc ⁻¹)) {metric equivalent mcd(m ⁻²)(lux ⁻¹)}		
	White	Yellow

Wet recovery (ASTM 2177)	250	175
Wet Continuous (ASTM E2832)	150	100

In support of wet retroreflectivity testing, samples of representative markings (both white and yellow) shall be provided on one foot sections of rigid panel (20 gauge aluminum or thicker). Samples shall be taken at the beginning and end of the striping operation (total of two samples per color). Samples shall be protected from damage and submitted to the Division of Materials for testing and record of the project output for the materials used. Lines on the project are subject to future testing to monitor pavement marking performance in the field.

6. MEASUREMENT. Wet retroreflective elements will be incidental to the pay items for pavement striping.

The Department will measure work required for the installation of the recessed groove. The Department will not measure surface preparation and pre-marking of the groove for payment and will consider them incidental to the groove pay item. Corrective work will not be measured for payment.

7. PAYMENT. The Department will make payment for the completed and accepted quantities under the following:

<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
25019EC	Groove for Pave Striping – 7 IN	LF
25008EC	Pave Striping-Thermo-6 IN W-Wet Reflect	LF
25009EC	Pave Striping-Thermo-6 IN Y- Wet Reflect	LF

March 27, 2019

UTILITIES AND RAIL CERTIFICATION NOTE

Nelson County
FD52 090 0150 001-003 / STP 1501 (123) / 81331 01U
Improve US-150 from west of KY 245 through the Bluegrass
Parkway Interchange to east of Leslie Ballard Ln
4-8309.10

GENERAL PROJECT NOTE ON UTILITY PROTECTION

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

City of Bardstown Water & Sewer is located throughout the project and should largely be left undisturbed except for those areas where the contractor is responsible for adjustment and/or encasement of those utilities

LG&E/KU has facilities located along the left side of the from project beginning to the KY245 intersection that shall remain undisturbed.

Bluegrass Networks has an underground crossing in the vicinity of STA 119+50 as well as underground facilities between approximately STA 138+00 and 143+00 that shall remain undisturbed.

AT&T has underground facilities in the vicinity of STA 122+00 to 125+00 and 138+00 to 143+00 that shall remain undisturbed.

Nolin RECC, AT&T, Bardstown Cable, and Bluegrass Network LLC have various overhead utilities in the project area that unless specified below as being relocated, are outside of the project's impacts an are to remain undisturbed.

All stations listed above are approximate. The Contractor is fully responsible for KY 811 location of the Utilities prior to construction activities. The Contractor is fully responsible for protection of all utilities listed above as well as any other utilities located in the field.

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

LG&E-KU has relocated high-pressure gas line in the vicinity of the KY245 intersection to a lower elevations to avoid impacts, but the facility is still within the project limits and disturb limits. The contractor shall use extreme caution when working in the area.

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

Salt River Electric – Overhead facilities, including poles, ~~between mainline STA 143+00 and 155+00~~, and extending down the proposed Leslie Ballard Rd approach. **Scheduled complete by 11/1/2020.**

Bardstown Cable - Overhead facilities ~~between mainline STA 143+00 and 155+00~~, and extending down the proposed Leslie Ballard Rd approach. **Scheduled complete by 4/1/2021.**

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AT&T - Overhead and underground facilities, including poles, between mainline STA 122+00 and 125+00 as well as STA 143+00 and 155+00, and extending down the proposed Leslie Ballard Rd approach.

Scheduled complete by 4/1/2021.

Bluegrass Network LLC - Overhead facilities between mainline STA 143+00 and 155+00, extending down the proposed Leslie Ballard Rd approach. **Scheduled complete by 12/1/2020**

Scheduled complete by 12/1/2020

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

City of Bardstown – Water & Sewer relocation and protection plans are included as part of this contract. See Utility Plans and Specifications.

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)**

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.

UTILITIES AND RAIL CERTIFICATION NOTE

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4-8309.10

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 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>
KU – LG&E	Caroline Justice	502-627-3708 Caroline.Justice@lge-ku.com
Bardstown Cable	Mike Vittitow	502-348-5947 mvittitow@bardstowncable.net
Bluegrass Network LLC.	Bryan Bell	270-766-7660 bbell@bluegrasscellular.com
Salt River Electric	Daniel Carrico	502-350-1606 dcarrico@srelectric.com
AT&T	Scott Roche	502-827-4703 sr8832@att.com

City of Bardstown Water and Sewer:

Jessica Filiatreau 502-348-5947 jhfiliatreau@bardstowncable.net

PROPOSAL BID ITEMS

Report Date 10/12/20

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	16,261.00	TON		\$	
0020	00100		ASPHALT SEAL AGGREGATE	93.00	TON		\$	
0030	00103		ASPHALT SEAL COAT	12.00	TON		\$	
0040	00190		LEVELING & WEDGING PG64-22	3,320.00	TON		\$	
0050	00205		CL3 ASPH BASE 1.50D PG64-22	14,406.00	TON		\$	
0060	00214		CL3 ASPH BASE 1.00D PG64-22	1,294.00	TON		\$	
0070	00216		CL3 ASPH BASE 1.00D PG76-22	7,221.00	TON		\$	
0080	00336		CL3 ASPH SURF 0.38A PG76-22	4,043.00	TON		\$	
0090	02101		CEM CONC ENT PAVEMENT-8 IN	115.00	SQYD		\$	
0100	02555		CONCRETE-CLASS B	99.00	CUYD		\$	
0110	02677		ASPHALT PAVE MILLING & TEXTURING	2,507.00	TON		\$	
0120	22906ES403		CL3 ASPH SURF 0.38A PG64-22	558.00	TON		\$	
0130	23314EC		CONCRETE TRENCH	3,264.00	LF		\$	
0140	24970EC		ASPHALT MATERIAL FOR TACK NON-TRACKING	16.00	TON		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0150	00078		CRUSHED AGGREGATE SIZE NO 2	21,056.00	TON		\$	
0160	01585		REMOVE DROP BOX INLET	3.00	EACH		\$	
0170	01691		FLUME INLET TYPE 2	3.00	EACH		\$	
0180	01792		ADJUST MANHOLE	1.00	EACH		\$	
0190	01810		STANDARD CURB AND GUTTER	1,396.00	LF		\$	
0200	01811		STANDARD CURB AND GUTTER MOD	7,391.00	LF		\$	
0210	01812		REMOVE CURB AND GUTTER	953.00	LF		\$	
0220	01815		BARRIER CURB AND GUTTER	772.00	LF		\$	
0230	01897		ASPHALT WEDGE CURB	1,058.00	LF		\$	
0240	01982		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	25.00	EACH		\$	
0250	01983		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL YELLOW	19.00	EACH		\$	
0260	02014		BARRICADE-TYPE III	40.00	EACH		\$	
0270	02091		REMOVE PAVEMENT	1,003.00	SQYD		\$	
0280	02159		TEMP DITCH	3,250.00	LF		\$	
0290	02160		CLEAN TEMP DITCH	3,250.00	LF		\$	
0300	02165		REMOVE PAVED DITCH	61.00	SQYD		\$	
0310	02230		EMBANKMENT IN PLACE	68,973.00	CUYD		\$	
0320	02242		WATER	118.00	MGAL		\$	
0330	02262		FENCE-WOVEN WIRE TYPE 1	1,884.00	LF		\$	
0340	02360		GUARDRAIL TERMINAL SECTION NO 1	2.00	EACH		\$	
0350	02367		GUARDRAIL END TREATMENT TYPE 1	2.00	EACH		\$	
0360	02369		GUARDRAIL END TREATMENT TYPE 2A	3.00	EACH		\$	
0370	02381		REMOVE GUARDRAIL	2,434.00	LF		\$	
0380	02429		RIGHT-OF-WAY MONUMENT TYPE 1	43.00	EACH		\$	
0390	02432		WITNESS POST	10.00	EACH		\$	
0400	02483		CHANNEL LINING CLASS II	4,231.00	TON		\$	

PROPOSAL BID ITEMS

Report Date 10/12/20

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0410	02484		CHANNEL LINING CLASS III	41.00	TON		\$	
0420	02545		CLEARING AND GRUBBING (APPROXIMATELY 21.5 ACRES)	1.00	LS		\$	
0430	02562		TEMPORARY SIGNS	850.00	SQFT		\$	
0440	02585		EDGE KEY	259.00	LF		\$	
0450	02602		FABRIC-GEOTEXTILE CLASS 1	7,249.00	SQYD		\$	
0460	02603		FABRIC-GEOTEXTILE CLASS 2	127,790.00	SQYD		\$	
0470	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0480	02671		PORTABLE CHANGEABLE MESSAGE SIGN	8.00	EACH		\$	
0490	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0500	02690		SAFELoading	6.00	CUYD		\$	
0510	02701		TEMP SILT FENCE	6,500.00	LF		\$	
0520	02703		SILT TRAP TYPE A	42.00	EACH		\$	
0530	02704		SILT TRAP TYPE B	42.00	EACH		\$	
0540	02705		SILT TRAP TYPE C	42.00	EACH		\$	
0550	02706		CLEAN SILT TRAP TYPE A	42.00	EACH		\$	
0560	02707		CLEAN SILT TRAP TYPE B	42.00	EACH		\$	
0570	02708		CLEAN SILT TRAP TYPE C	42.00	EACH		\$	
0580	02720		SIDEWALK-4 IN CONCRETE	551.00	SQYD		\$	
0590	02721		REMOVE CONCRETE SIDEWALK	25.00	SQYD		\$	
0600	02726		STAKING	1.00	LS		\$	
0610	02775		ARROW PANEL	2.00	EACH		\$	
0620	05950		EROSION CONTROL BLANKET	7,123.00	SQYD		\$	
0630	05952		TEMP MULCH	135,520.00	SQYD		\$	
0640	05953		TEMP SEEDING AND PROTECTION	101,640.00	SQYD		\$	
0650	05963		INITIAL FERTILIZER	6.00	TON		\$	
0660	05964		MAINTENANCE FERTILIZER	9.00	TON		\$	
0670	05985		SEEDING AND PROTECTION	84,217.00	SQYD		\$	
0680	05989		SPECIAL SEEDING CROWN VETCH	4,475.00	SQYD		\$	
0690	05990		SODDING	6,219.00	SQYD		\$	
0700	05992		AGRICULTURAL LIMESTONE	63.00	TON		\$	
0710	06510		PAVE STRIPING-TEMP PAINT-4 IN	35,000.00	LF		\$	
0720	06514		PAVE STRIPING-PERM PAINT-4 IN	868.00	LF		\$	
0730	06530		PAVE STRIPING REMOVAL-4 IN	53.00	LF		\$	
0740	06540		PAVE STRIPING-THERMO-4 IN W	32.00	LF		\$	
0750	06541		PAVE STRIPING-THERMO-4 IN Y	1,794.00	LF		\$	
0780	06546		PAVE STRIPING-THERMO-12 IN W	1,288.00	LF		\$	
0790	06547		PAVE STRIPING-THERMO-12 IN Y	170.00	LF		\$	
0800	06565		PAVE MARKING-THERMO X-WALK-6 IN	317.00	LF		\$	
0810	06566		PAVE MARKING-THERMO X-WALK-12 IN	178.00	LF		\$	
0820	06567		PAVE MARKING-THERMO STOP BAR-12IN	20.00	LF		\$	
0830	06568		PAVE MARKING-THERMO STOP BAR-24IN	500.00	LF		\$	
0840	06569		PAVE MARKING-THERMO CROSS-HATCH	11,709.00	SQFT		\$	
0850	06574		PAVE MARKING-THERMO CURV ARROW	67.00	EACH		\$	
0860	06575		PAVE MARKING-THERMO COMB ARROW	5.00	EACH		\$	
0870	06576		PAVE MARKING-THERMO ONLY	2.00	EACH		\$	
0880	06598		PAVEMENT MARKING REMOVAL	705.00	SQFT		\$	
0890	10020NS		FUEL ADJUSTMENT	78,492.00	DOLL	\$1.00	\$	\$78,492.00
0900	10030NS		ASPHALT ADJUSTMENT	114,813.00	DOLL	\$1.00	\$	\$114,813.00
0910	20071EC		JOINT ADHESIVE	16,939.00	LF		\$	

PROPOSAL BID ITEMS

Report Date 10/12/20

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0920	20166ES810		TEMPORARY PIPE	200.00	LF		\$	
0930	20191ED		OBJECT MARKER TY 3	2.00	EACH		\$	
0940	20550ND		SAWCUT PAVEMENT	19,283.00	LF		\$	
0950	20758ED		REMOVE AND RESET PERF PIPE HEADWALL	2.00	EACH		\$	
0960	21289ED		LONGITUDINAL EDGE KEY	16,270.00	LF		\$	
0970	21802EN		G/R STEEL W BEAM-S FACE (7 FT POST)	2,200.00	LF		\$	
0980	22664EN		WATER BLASTING EXISTING STRIPE	22,500.00	LF		\$	
0990	23158ES505		DETECTABLE WARNINGS	180.00	SQFT		\$	
1000	23274EN11F		TURF REINFORCEMENT MAT 1	360.00	SQYD		\$	
1010	23607EC		PAVE MARK THERMO-LANE REDUCTION ARROW	3.00	EACH		\$	
1020	23871EC		PAVE STRIPE-WET REF TAPE-6 IN Y	476.00	LF		\$	
1030	23872EC		PAVE STRIPE-WET REF TAPE-6 IN W	659.00	LF		\$	
1040	23875NC		REMOVE THERMOPLASTIC ARROWS	4.00	EACH		\$	
1050	23911EC		GROUT	5.00	CUYD		\$	
1060	24114EC		PAVE MARK-THERMO-YIELD	12.00	EACH		\$	
1070	24489EC		INLAID PAVEMENT MARKER	647.00	EACH		\$	
1080	24683ED		PAVE MARKING-THERMO DOTTED LANE EXTEN	86.00	LF		\$	
1090	24894EC		REMOVE (3 Ramps)	3.00	EACH		\$	
1092	25008EC		PAVE STRIPING-THERMO-6 IN W-WET REFLECT (ADDED: 10-12-20)	16,206.00	LF		\$	
1093	25009EC		PAVE STRIPING-THERMO-6 IN Y-WET REFLECT (ADDED: 10-12-20)	22,796.00	LF		\$	
1095	25019EC		GROOVE FOR PAVE STRIPING - 7 IN (ADDED: 10-12-20)	39,002.00	LF		\$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1100	00078		CRUSHED AGGREGATE SIZE NO 2	6.00	TON		\$	
1110	00461		CULVERT PIPE-15 IN	16.00	LF		\$	
1120	00462		CULVERT PIPE-18 IN	186.00	LF		\$	
1130	00464		CULVERT PIPE-24 IN	90.00	LF		\$	
1140	00521		STORM SEWER PIPE-15 IN	4,544.00	LF		\$	
1150	00522		STORM SEWER PIPE-18 IN	1,137.00	LF		\$	
1160	00524		STORM SEWER PIPE-24 IN	1,312.00	LF		\$	
1170	01000		PERFORATED PIPE-4 IN	16,727.00	LF		\$	
1180	01010		NON-PERFORATED PIPE-4 IN	5,775.00	LF		\$	
1190	01015		INSPECT & CERTIFY EDGE DRAIN SYSTEM	1.00	LS		\$	
1200	01028		PERF PIPE HEADWALL TY 3-4 IN	6.00	EACH		\$	
1210	01202		PIPE CULVERT HEADWALL-15 IN	5.00	EACH		\$	
1220	01204		PIPE CULVERT HEADWALL-18 IN	6.00	EACH		\$	
1230	01208		PIPE CULVERT HEADWALL-24 IN	3.00	EACH		\$	
1240	01433		SLOPED BOX OUTLET TYPE 1-18 IN	1.00	EACH		\$	
1250	01450		S & F BOX INLET-OUTLET-18 IN	4.00	EACH		\$	
1260	01451		S & F BOX INLET-OUTLET-24 IN	2.00	EACH		\$	

PROPOSAL BID ITEMS

Report Date 10/12/20

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1270	01456		CURB BOX INLET TYPE A	39.00	EACH		\$	
1280	01487		CURB BOX INLET TYPE F	15.00	EACH		\$	
1290	01490		DROP BOX INLET TYPE 1	5.00	EACH		\$	
1300	01529		DROP BOX INLET TYPE 6D	1.00	EACH		\$	
1310	01544		DROP BOX INLET TYPE 11	1.00	EACH		\$	
1320	01568		DROP BOX INLET TYPE 13S	1.00	EACH		\$	
1330	01577		DROP BOX INLET TYPE 14	1.00	EACH		\$	
1340	01650		JUNCTION BOX	6.00	EACH		\$	
1350	01740		CORED HOLE DRAINAGE BOX CON-4 IN	87.00	EACH		\$	
1360	01761		MANHOLE TYPE B	1.00	EACH		\$	
1370	02607		FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	10,468.00	SQYD	\$2.00	\$	\$20,936.00
1380	24814EC		PIPELINE INSPECTION	7,413.00	LF		\$	

Section: 0004 - SIGNALIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1390	04792		CONDUIT-1 IN	160.00	LF		\$	
1400	04811		ELECTRICAL JUNCTION BOX TYPE B	16.00	EACH		\$	
1410	04820		TRENCHING AND BACKFILLING	1,900.00	LF		\$	
1420	04830		LOOP WIRE	6,000.00	LF		\$	
1430	04844		CABLE-NO. 14/5C	2,600.00	LF		\$	
1440	04850		CABLE-NO. 14/1 PAIR	10,500.00	LF		\$	
1450	04885		MESSENGER-10800 LB	1,030.00	LF		\$	
1460	04895		LOOP SAW SLOT AND FILL	2,000.00	LF		\$	
1470	04932		INSTALL STEEL STRAIN POLE	8.00	EACH		\$	
1480	20094ES835		TEMP RELOCATION OF SIGNAL HEAD	14.00	EACH		\$	
1490	20188NS835		INSTALL LED SIGNAL-3 SECTION	20.00	EACH		\$	
1500	20266ES835		INSTALL LED SIGNAL- 4 SECTION	5.00	EACH		\$	
1510	20390NS835		INSTALL COORDINATING UNIT	2.00	EACH		\$	
1520	23157EN		TRAFFIC SIGNAL POLE BASE	33.60	CUYD		\$	
1530	24900EC		PVC CONDUIT-1 1/4 IN-SCHEDULE 80	1,260.00	LF		\$	
1540	24901EC		PVC CONDUIT-2 IN-SCHEDULE 80	650.00	LF		\$	
1550	24908EC		INSTALL SIGNAL CONTROLLER-TY ATC	2.00	EACH		\$	
1560	24955ED		REMOVE SIGNAL EQUIPMENT	2.00	EACH		\$	

Section: 0005 - WATERLINE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1570	14008		W ENCASMENT STEEL BORED RANGE 3	245.00	LF		\$	
1580	14009		W ENCASMENT STEEL BORED RANGE 4	145.00	LF		\$	
1590	14014		W ENCASMENT STEEL OPEN CUT RANGE 3	118.00	LF		\$	
1600	14015		W ENCASMENT STEEL OPEN CUT RANGE 4	12.00	LF		\$	
1610	14019		W FIRE HYDRANT ASSEMBLY	1.00	EACH		\$	
1620	14061		W PIPE PVC 10 INCH	245.00	LF		\$	
1630	14062		W PIPE PVC 12 INCH	145.00	LF		\$	
1640	14096		W TIE-IN 10 INCH	1.00	EACH		\$	
1650	14097		W TIE-IN 12 INCH	1.00	EACH		\$	

PROPOSAL BID ITEMS

Report Date 10/12/20

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1660	14602		W VALVE CUT-IN 12 INCH INST	1.00	EACH		\$	
1670	15021		S ENCASEMENT STEEL OPEN CUT RANGE 2	31.00	LF		\$	

Section: 0006 - DEMOBILIZATION / MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1680	02568		MOBILIZATION	1.00	LS		\$	
1690	02569		DEMOBILIZATION	1.00	LS		\$	

ITEM	DESCRIPTION	UNIT	US 150	KY 245	APPROACH ROAD #1	APPROACH ROAD #2	OLD FILATREAU	RAMP A	RAMP A-1	RAMP B	RAMP C	RAMP D-1	RAMP D	MAYWOOD AVENUE	PARKWAY DRIVE	LESLIE BALLARD	PROJECT TOTAL
78	CRUSHED AGGREGATE SIZE NO 2 (1)	TON															21056
1585	REMOVE DROP BOX INLET	EACH	2						1								3
1691	FLUME INLET TY 2	EACH						1	1			1					3
1792	ADJUST MANHOLE	EACH					1										1
1810	STANDARD CURB AND GUTTER	LF					196			1396							1396
1811	STANDARD CURB AND GUTTER MOD	LF	6124	1071													7391
1812	REMOVE CURB AND GUTTER	LF	467	27						459							953
1815	BARRIER CURB AND GUTTER	LF	772														772
1897	ASPHALT WEDGE CURB	LF						672	68	252	66						1058
1982	DELINEATOR FOR GUARDRAIL M/W	EACH															25
1983	DELINEATOR FOR GUARDRAIL M/Y	EACH															19
2014	BARRICADE-TYPE III	EACH								508							40
2091	REMOVE PAVEMENT	SQYD	495														1003
2159	TEMP DITCH	LF															3250
2160	CLEAN TEMP DITCH	LF															61
2165	REMOVE PAVED DITCH	SQYD	25					36									68973
2230	EMBANKMENT-IN-PLACE	CUYD															118
2242	WATER (4)	MGAL										7					1884
2262	FENCE-WOVEN WIRE TYPE 1 (3)	LF	1781				96										1884
2360	GUARDRAIL TERMINAL SECTION NO 1	EACH	2														2
2367	GUARDRAIL END TREATMENT TYPE 1	EACH						1			1						2
2369	GUARDRAIL END TREATMENT TYPE 2A	EACH						2									2
2381	REMOVE GUARDRAIL	LF	388				129	842	150	659	203	63					2434
2429	RIGHT-OF-WAY MONUMENT TYPE 1	EACH															43
2432	WITNESS POST	EACH															10
2483	CHANNEL LINING CLASS II	TON	3760		65	260		38	8			65				35	4231
2484	CHANNEL LINING CLASS III	TON	41														41
2545	CLEARING AND GRUBBING (2)	LS															1
2562	TEMPORARY SIGNS (7)	SQFT															850
2568	MOBILIZATION	LS															1
2569	DEMOLITION	LS															1
2585	EDGE KEY	LF	49	70				38		25	26			36		15	259
2602	FABRIC-GEOTEXTILE CLASS 1	SQYD	6466		115	454		38	8			103				65	7249
2603	FABRIC-GEOTEXTILE CLASS 2 (8)	SQYD															127790
2650	MAINTAIN AND CONTROL TRAFFIC (6)	LS															1
2671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH															8
2676	MOBILIZATION FOR MILL & TEXT	LS															1
2690	SAFELOADING	CUYD	6														6
2701	TEMP SILT FENCE	LF															6500
2703	SILT TRAP TYPE A	EACH															42
2704	SILT TRAP TYPE B	EACH															42
2705	SILT TRAP TYPE C	EACH															42
2706	CLEAN SILT TRAP TYPE A	EACH															42
2707	CLEAN SILT TRAP TYPE B	EACH															42
2708	CLEAN SILT TRAP TYPE C	EACH															42
2720	SIDEWALK-4 IN CONCRETE	SQYD	188							363							551
2721	REMOVE CONCRETE SIDEWALK	SQYD	25														25
2726	STAKING	LS															1
2775	ARROW PANEL	EACH															2
5950	EROSION CONTROL BLANKET (5)	SQYD	1502	151	104	352	414	1911	178	1541		750		46	174	1723	7123
5952	TEMP MULCH	SQYD															135520
5953	TEMP SEEDING AND PROTECTION	SQYD															101640
5963	INITIAL FERTILIZER	TON															6
5964	MAINTENANCE FERTILIZER	TON															9
5985	SEEDING AND PROTECTION	SQYD	55771	5582	1724	4397	992	3370	622	1899	2448	525	2412	1817		2658	84217
5989	SPECIAL SEEDING CROWN VETCH	SQYD															4475
5990	SODDING	SQYD	5366	490			72			291							6219
5992	AGRICULTURAL LIMESTONE	TON															63
6510	PAVE STRIPING-TEMP PAINT-4 IN	LF															35000
6514	PAVE STRIPING-PERM PAINT-4 IN	LF	685	183													868
6530	PAVE STRIPING-REMOVAL-4 IN	LF	53	53													53
6540	PAVE STRIPING-THERMO-4 IN W	LF	32														32
6541	PAVE STRIPING-THERMO-4 IN Y	LF	70	636													1794
6546	PAVE STRIPING-THERMO-12 IN W	LF	498	135			98	123			185	113		526	56	506	1794
6547	PAVE STRIPING-THERMO-12 IN Y	LF					170							136	136		1288
6565	PAVE MARKING-THERMO X-WALK- 6 IN	LF	317														170
6566	PAVE MARKING-THERMO X-WALK-12 IN	LF															317
6567	PAVE MARKING-THERMO STOP BAR- 12 IN	LF	20														178
6568	PAVE MARKING-THERMO STOP BAR- 24 IN	LF	20														20
6569	PAVE MARKING-THERMO STOP BAR- 24 IN	LF	225	66	28	26				53	25			37	12	28	500
6574	PAVE MARKING-THERMO CURV-ARROW	SQFT	9299	1178						690							11709
6575	PAVE MARKING-THERMO COMBO ARROW	EACH	41	12	1					4	8						67
6576	PAVE MARKING-THERMO ONLY	EACH	2	4	1												5
6598	PAVEMENT MARKING REMOVAL (10)	SQFT		705													2
10020NS	FUEL ADJUSTMENT	DOLL															705
10030NS	ASPHALT ADJUSTMENT	DOLL															78492
20166ES810	TEMPORARY PIPE	LF															114813
20191ED	OBJECT MARKER TY 3	EACH						1									200
20550ND	SAWCUT PAVEMENT	LF	12805	1091			302	1069	439	627	1346	306	716	215		367	19283

NOTES:

- ① ESTIMATED QUANTITY FOR WORKING PLATFORM WHERE SATURATED AREAS MAY BE ENCOUNTERED PER GEOTECHNICAL RECOMMENDATIONS. COORDINATE PLACEMENT WITH THE ENGINEER.
- ② APPROXIMATELY 21.5 ACRES. REMOVAL OF EXISTING PIPES, HEADWALLS, FENCES, LANE SEPARATOR CURBS, WEDGE CURBS, CONCRETE PAD, SIGNS, CUTTING PIPES), ETC. ARE INCIDENTAL TO CLEARING AND GRUBBING AND NO DIRECT PAYMENT WILL BE MADE FOR THOSE ITEMS.
- ③ INCLUDES AN ADDITIONAL QUANTITY OF 500 LF. COORDINATE PLACEMENT WITH THE ENGINEER.
- ④ WATER IS FOR CONTROLLING DUST CONTROLLED BY MAINTAINING TRAFFIC AND IS ESTIMATED AT 50 M GALLONS PER MILE
- ⑤ INCLUDES AN ADDITIONAL QUANTITY FOR SLOPE STABILIZATION ON STEEP SLOPES
- ⑥ INCLUDES ALL NECESSARY ITEMS TO MAINTAIN AND CONTROL TRAFFIC
- ⑦ FOR MAINTAINING AND CONTROLLING TRAFFIC
- ⑧ FOR USE IN WRAPPING THE WORKING PLATFORM, ROCK ROADBED, PERF PIPE, ETC. COORDINATE PLACEMENT WITH THE ENGINEER.
- ⑨ USE LONG POST GUARDRAIL
- ⑩ FOR REMOVAL OF HATCHING ON KY 245 OUTSIDE THE PAVING LIMITS
- ⑪ FOR REMOVAL OF EXSTING ARROWS ON BRIDGE OVER BLUEGRASS PARKWAY
- ⑫ INCLUDES ADDITIONAL QUANTITY FOR EDGE LINE STRIPING ON US 150 AND KY 245 NOT DEPICTED ON STRIPING PLANS. PRIOR TO PLACING ANY STRIPING CONTACT JUSTIN WALLACE AT DISTRICT 4 AT (270-766-5066).
- ⑬ INCLUDES QUANTITIES FOR US 150 AND KY 245 NOT DEPICTED ON STRIPING PLANS. PRIOR TO PLACING ANY INLAIN PAVEMENT MARKERS CONTACT JUSTIN WALLACE AT DISTRICT 4 AT (270-766-5066).
- ⑭ INCLUDES ALL NECESSARY ITEMS TO REMOVE FLUMES
- ⑮ ITEM IS NOTED AS "PAVE STRIPING-THERMO-6 IN W" ON STRIPING SHEETS
- ⑯ ITEM IS NOTED AS "PAVE STRIPING-THERMO-6 IN Y" ON STRIPING SHEETS
- ⑰ THIS ITEM IS USED IN CONCURRENCE WITH ITEMS 25008EC AND 25009EC

EARTHWORK CALCULATION NOTE:

ESTIMATE FOR EARTHWORK CALCULATIONS ARE FOR DESIGN ONLY. THE CONTRACTOR IS ADVISED THAT THE CALCULATIONS SHOWN ARE FOR INFORMATION ONLY. AS FACTORS FOR SINKAGE AND SETTLEMENT ARE THE CONTRACTOR'S RESPONSIBILITY.

EARTHWORK TOTALS

31234	CUYD COMMON
9994	CUYD ROCK
14743	CUYD EMBANKMENT BENCHING
1196	CUYD TRANSVERSE BENCHING
115	CUYD COMMON LESLIE BALLARD OUTLET DITCH
57282	CUYD TOTAL EXCAVATION
40390	CUYD EMBANKMENT
12644	CUYD ROCK ROADBED
14743	CUYD EMBANKMENT BENCHING
1196	CUYD TRANSVERSE BENCHING
68973	CUYD TOTAL EMBANKMENT

ITEM	DESCRIPTION	UNIT	US 150	KY 245	APPROACH ROAD #1	APPROACH ROAD #2	OLD FILATREAU	RAMP A	RAMP A-1	RAMP B	RAMP C	RAMP D-1	RAMP D	MAYWOOD AVENUE	PARKWAY DRIVE	LESLIE BALLARD	PROJECT TOTAL
78	CRUSHED AGGREGATE SIZE NO 2 (1)	TON															21056
1585	REMOVE DROP BOX INLET	EACH	2						1								3
1691	FLUME INLET TY 2	EACH						1	1			1					3
1792	ADJUST MANHOLE	EACH					1										1
1810	STANDARD CURB AND GUTTER	LF	6124	1071			196							1396			1396
1811	STANDARD CURB AND GUTTER MOD	LF	467	27										459			953
1812	REMOVE CURB AND GUTTER	LF	772														772
1815	BARRIER CURB AND GUTTER	LF															1058
1897	ASPHALT WEDGE CURB	LF						672	68	252	66						25
1982	DELINEATOR FOR GUARDRAIL M/W	EACH															19
1983	DELINEATOR FOR GUARDRAIL M/Y	EACH															40
2014	BARRICADE-TYPE III	EACH	495											508			1003
2091	REMOVE PAVEMENT	SQYD															3250
2159	TEMP DITCH	LF															61
2160	CLEAN TEMP DITCH	LF															3250
2165	REMOVE PAVED DITCH	SQYD	25					36									61
2230	EMBANKMENT-IN-PLACE	CUYD															68973
2242	WATER (4)	MGAL															118
2262	FENCE-WOVEN WIRE TYPE 1 (3)	LF	1781				96					7					1884
2360	GUARDRAIL TERMINAL SECTION NO 1	EACH	2														2
2367	GUARDRAIL END TREATMENT TYPE 1	EACH						1									2
2369	GUARDRAIL END TREATMENT TYPE 2A	EACH						2									3
2381	REMOVE GUARDRAIL	LF	388				129	842	150	659	203	63					2434
2429	RIGHT-OF-WAY MONUMENT TYPE 1	EACH															43
2432	WITNESS POST	EACH															10
2483	CHANNEL LINING CLASS II	TON	3760		65	260		38	8				65			35	4231
2484	CHANNEL LINING CLASS III	TON	41														7249
2545	CLEARING AND GRUBBING (2)	LS															41
2562	TEMPORARY SIGNS (7)	SQFT															1
2568	MOBILIZATION	LS															850
2569	DEMOLITION	LS															1
2585	EDGE KEY	LF	49	70				38		25	26			36		15	259
2602	FABRIC-GEOTEXTILE CLASS 1	SQYD	6466		115	454		38	8				103		65		7249
2603	FABRIC-GEOTEXTILE CLASS 2 (8)	SQYD															127790
2650	MAINTAIN AND CONTROL TRAFFIC (6)	LS															1
2671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH															8
2676	MOBILIZATION FOR MILL & TEXT	LS															1
2690	SAFELOADING	CUYD	6														6
2701	TEMP SILT FENCE	LF															6500
2703	SILT TRAP TYPE A	EACH															42
2704	SILT TRAP TYPE B	EACH															42
2705	SILT TRAP TYPE C	EACH															42
2706	CLEAN SILT TRAP TYPE A	EACH															42
2707	CLEAN SILT TRAP TYPE B	EACH															42
2708	CLEAN SILT TRAP TYPE C	EACH															42
2720	SIDEWALK-4 IN CONCRETE	SQYD	188											363			551
2721	REMOVE CONCRETE SIDEWALK	SQYD	25														25
2726	STAKING	LS															1
2775	ARROW PANEL	EACH															2
5950	EROSION CONTROL BLANKET (5)	SQYD	1502	151	104	352	414	1911	178	1541			750	46	174	7123	135520
5952	TEMP MULCH	SQYD															101640
5953	TEMP SEEDING AND PROTECTION	SQYD															6
5963	INITIAL FERTILIZER	TON															9
5964	MAINTENANCE FERTILIZER	TON															9
5985	SEEDING AND PROTECTION	SQYD	55771	5582	1724	4397	992	3370	622	1899	2448	525	2412	1817		2658	84217
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5992	AGRICULTURAL LIMESTONE	TON															63
6510	PAVE STRIPING-TEMP PAINT-4 IN	LF															35000
6514	PAVE STRIPING-PERM PAINT-4 IN	LF	685	183													868
6530	PAVE STRIPING-REMOVAL-4 IN	LF	53														53
6540	PAVE STRIPING-THERMO-4 IN W	LF	32														32
6541	PAVE STRIPING-THERMO-4 IN Y	LF	70		636									526	56	506	1794
6546	PAVE STRIPING-THERMO-12 IN W	LF	498	135			98	123			185		113	136		1288	170
6547	PAVE STRIPING-THERMO-12 IN Y	LF					170										170
6565	PAVE MARKING-THERMO X-WALK- 6 IN	LF	317														317
6566	PAVE MARKING-THERMO X-WALK-12 IN	LF															178
6567	PAVE MARKING-THERMO STOP BAR- 12 IN	LF	20														20
6568	PAVE MARKING-THERMO STOP BAR- 24 IN	LF	225	66	28	26				53	25		37	12	28		500
6574	PAVE MARKING-THERMO CROSS-HATCH	SQFT	9299	1178						690				542			11709
6574	PAVE MARKING-THERMO CURV ARROW	EACH	41	12						4	8		2				67
6575	PAVE MARKING-THERMO COMBO ARROW	EACH	4	1													5
6576	PAVE MARKING-THERMO ONLY	EACH	2														2
6598	PAVEMENT MARKING REMOVAL (10)	SQFT															705
10020NS	FUEL ADJUSTMENT	DOLL															78492
10030NS	ASPHALT ADJUSTMENT	DOLL															114813
20166ES810	TEMPORARY PIPE	LF															16939
20191ED	OBJECT MARKER TY 3	EACH						1	1069	439	627	1346	716	215		367	2
20550ND	SAWCUT PAVEMENT	LF	12805	1091			302					306					19283

NOTES:
 ① ESTIMATED QUANTITY FOR WORKING PLATFORM WHERE SATURATED AREAS MAY BE ENCOUNTERED PER GEOTECHNICAL RECOMMENDATIONS. COORDINATE PLACEMENT WITH THE ENGINEER.
 ② APPROXIMATELY 21.5 ACRES. REMOVAL OF EXISTING PIPES, HEADWALLS, FENCES, LANE SEPARATOR CURBS, WEDGE CURBS, CONCRETE PAD, SIGNS, CUTTING PIPES), ETC. ARE INCIDENTAL TO CLEARING AND GRUBBING AND NO DIRECT PAYMENT WILL BE MADE FOR THOSE ITEMS.
 ③ INCLUDES AN ADDITIONAL QUANTITY OF 500 LF. COORDINATE PLACEMENT WITH THE ENGINEER.
 ④ WATER IS FOR CONTROLLING DUST CONTROLLED BY MAINTAINING TRAFFIC AND IS ESTIMATED AT 50 M GALLONS PER MILE
 ⑤ INCLUDES AN ADDITIONAL QUANTITY FOR SLOPE STABILIZATION ON STEEP SLOPES
 ⑥ INCLUDES ALL NECESSARY ITEMS TO MAINTAIN AND CONTROL TRAFFIC
 ⑦ FOR MAINTAINING AND CONTROLLING TRAFFIC
 ⑧ FOR USE IN WRAPPING THE WORKING PLATFORM, ROCK ROADBED, PERF PIPE, ETC. COORDINATE PLACEMENT WITH THE ENGINEER.
 ⑨ USE LONG POST GUARDRAIL
 ⑩ FOR REMOVAL OF HATCHING ON KY 245 OUTSIDE THE PAVING LIMITS
 ⑪ FOR REMOVAL OF EXISTING ARROWS ON BRIDGE OVER BLUEGRASS PARKWAY
 ⑫ INCLUDES ADDITIONAL QUANTITY FOR EDGE LINE STRIPING ON US 150 AND KY 245 NOT DEPICTED ON STRIPING PLANS. PRIOR TO PLACING ANY STRIPING CONTACT JUSTIN WALLACE AT DISTRICT 4 AT (270-766-5066).
 ⑬ INCLUDES QUANTITIES FOR US 150 AND KY 245 NOT DEPICTED ON STRIPING PLANS. PRIOR TO PLACING ANY INLAIN PAVEMENT MARKERS CONTACT JUSTIN WALLACE AT DISTRICT 4 AT (270-766-5066).
 ⑭ INCLUDES ALL NECESSARY ITEMS TO REMOVE FLUMES
 ⑮ ITEM IS NOTED AS "PAVE STRIPING-THERMO-6 IN W" ON STRIPING SHEETS
 ⑯ ITEM IS NOTED AS "PAVE STRIPING-THERMO-6 IN Y" ON STRIPING SHEETS
 ⑰ THIS ITEM IS USED IN CONCURRENCE WITH ITEMS 25008EC AND 25009EC

ADDED NOTES 15-17

EARTHWORK CALCULATION NOTE:
 ESTIMATE FOR EARTHWORK CALCULATIONS ARE FOR DESIGN ONLY. THE CONTRACTOR IS ADVISED THAT THE CALCULATIONS SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT TO BE USED AS A BASIS FOR CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR'S RESPONSIBILITY.

EARTHWORK TOTALS	
31234	CUYD COMMON
9994	CUYD ROCK
14743	CUYD EMBANKMENT BENCHING
1196	CUYD TRANSVERSE BENCHING
115	CUYD COMMON LESLIE BALLARD OUTLET DITCH
57282	CUYD TOTAL EXCAVATION
40390	CUYD EMBANKMENT
12644	CUYD ROCK ROADBED
14743	CUYD EMBANKMENT BENCHING
1196	CUYD TRANSVERSE BENCHING
68973	CUYD TOTAL EMBANKMENT

ITEM	DESCRIPTION	UNIT	US 150	KY 245	APPROACH ROAD #1	APPROACH ROAD #2	OLD FILATREAU	RAMP A	RAMP A-1	RAMP B	RAMP C	RAMP D-1	RAMP D	MAYWOOD AVENUE	PARKWAY DRIVE	LESLIE BALLARD	PROJECT TOTAL
20758ED	REMOVE AND RESET PERF PIPE HEADWALL	EACH	1										1				2
21289ED	LONGITUDINAL EDGE KEY	LF	12539	1091			302	197	62	383	398		716	215		367	16270
21802EN	G/R STEEL W BEAM-S FACE (7 FT POST) (9)	LF	212.5				137.5	750	150	712.5	175	62.5					2200
22664EN	WATERBLASTING EXISTING STRIPE	LF															22500
23158E5505	DETECTABLE WARNINGS	SQFT	180														180
23274EN11F	TURF REINFORCEMENT MAT 1	SQYD	126													234	360
23607EC	PAVE MARK THERMO-LANE REDUCTION ARROW	EACH	3														3
23871EC	PAVE STRIPE-WET REF TAPE- 6 IN Y	LF	476												2		476
23872EC	PAVE STRIPE-WET REF TAPE- 6 IN W	LF	659														659
23875NC	REMOVE THERMOPLASTIC ARROWS (11)	EACH	2														4
23911EC	GROUT	CUYD	5														5
24114EC	PAVE MARK-THERMO-YIELD	EACH	12														12
24489EC	INLAID PAVEMENT MARKER (13)	EACH	86														86
24683ED	PAVE MARKING-THERMO DOTTED LANE EXTEN	LF															647
24894EC	REMOVE (14)	EACH						1	1								3
25008EC	PAVE STRIPING-THERMO-6 IN W-WET REFLECT (12) (15)	LF	11297	1424			165	680	220	463	1290	158	451				16206
25009EC	PAVE STRIPING-THERMO-6 IN Y-WET REFLECT (16)	LF	19290	1600			489	489	225	284	664	164	80		58		22796
25019EC	GROOVE FOR PAVE STRIPING - 7 IN (17)	LF															39002

NOTES:

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- ② APPROXIMATELY 21.5 ACRES. REMOVAL OF EXISTING PIPES, HEADWALLS, FENCES, LANE SEPARATOR CURBS, WEDGE CURBS, CONCRETE PAD, SIGNS, CUTTING PIPES(S), ETC. ARE INCIDENTAL TO CLEARING AND GRUBBING AND NO DIRECT PAYMENT WILL BE MADE FOR THOSE ITEMS.
- ③ INCLUDES AN ADDITIONAL QUANTITY OF 500 LF. COORDINATE PLACEMENT WITH THE ENGINEER.
- ④ WATER IS FOR CONTROLLING DUST CONTROLLED BY MAINTAINING TRAFFIC AND IS ESTIMATED AT 50 M GALLONS PER MILE.
- ⑤ INCLUDES AN ADDITIONAL QUANTITY FOR SLOPE STABILIZATION ON STEEP SLOPES
- ⑥ INCLUDES ALL NECESSARY ITEMS TO MAINTAIN AND CONTROL TRAFFIC
- ⑦ FOR MAINTAINING AND CONTROLLING TRAFFIC
- ⑧ FOR USE IN WRAPPING THE WORKING PLATFORM, ROCK ROADBED, PERF PIPE, ETC. COORDINATE PLACEMENT WITH THE ENGINEER.
- ⑨ USE LONG POST GUARDRAIL
- ⑩ FOR REMOVAL OF HATCHING ON KY 245 OUTSIDE THE PAVING LIMITS
- ⑪ FOR REMOVAL OF EXISTING ARROWS ON BRIDGE OVER BLUEGRASS PARKWAY
- ⑫ INCLUDES ADDITIONAL QUANTITY FOR EDGE LINE STRIPING ON US 150 AND KY 245 NOT DEPICTED ON STRIPING PLANS. PRIOR TO PLACING ANY STRIPING CONTACT JUSTIN WALLACE AT DISTRICT 4 AT (270-766-5066).
- ⑬ INCLUDES QUANTITIES FOR US 150 AND KY 245 NOT DEPICTED ON STRIPING PLANS. PRIOR TO PLACING ANY INLAID PAVEMENT MARKERS CONTACT JUSTIN WALLACE AT DISTRICT 4 AT (270-766-5066).
- ⑭ INCLUDES ALL NECESSARY ITEMS TO REMOVE FLUMES
- ⑮ ITEM IS NOTED AS "PAVE STRIPING-THERMO-6 IN W" ON STRIPING SHEETS
- ⑯ ITEM IS NOTED AS "PAVE STRIPING-THERMO-6 IN Y" ON STRIPING SHEETS
- ⑰ THIS ITEM IS USED IN CONCURRENCE WITH ITEMS 25008EC AND 25009EC

COUNTY OF	ITEM NO.	SHEET NO.
NELSON	4-8309.10	R2K

REVISED 10-6-20

NOTES:
 ① ESTIMATED QUANTITY FOR WORKING PLATFORM WHERE SATURATED AREAS MAY BE ENCOUNTERED PER GEOTECHNICAL RECOMMENDATIONS. COORDINATE PLACEMENT WITH THE ENGINEER.

② APPROXIMATELY 21.5 ACRES. REMOVAL OF EXISTING PIPES, HEADWALLS, FENCES, LANE SEPARATOR CURBS, WEDGE CURBS, CONCRETE PAD, SIGNS, CUTTING PIPES, ETC. ARE INCIDENTAL TO CLEARING AND GRUBBING AND NO DIRECT PAYMENT WILL BE MADE FOR THOSE ITEMS.

③ INCLUDES AN ADDITIONAL QUANTITY OF 500 LF. COORDINATE PLACEMENT WITH THE ENGINEER.

④ WATER IS FOR CONTROLLING DUST CONTROLLED BY MAINTAINING TRAFFIC AND IS ESTIMATED AT 50 M GALLONS PER MILE.

⑤ INCLUDES AN ADDITIONAL QUANTITY FOR SLOPE STABILIZATION ON STEEP SLOPES

⑥ INCLUDES ALL NECESSARY ITEMS TO MAINTAIN AND CONTROL TRAFFIC

⑦ FOR MAINTAINING AND CONTROLLING TRAFFIC

⑧ FOR USE IN WRAPPING THE WORKING PLATFORM, ROCK ROADBED, PERF PIPE, ETC. COORDINATE PLACEMENT WITH THE ENGINEER.

⑨ USE LONG POST GUARDRAIL

⑩ FOR REMOVAL OF HATCHING ON KY 245 OUTSIDE THE PAVING LIMITS

⑪ FOR REMOVAL OF EXISTING ARROWS ON BRIDGE OVER BLUEGRASS PARKWAY

⑫ INCLUDES ADDITIONAL QUANTITY FOR EDGE LINE STRIPING ON US 150 AND KY 245 NOT DEPICTED ON STRIPING PLANS. PRIOR TO PLACING ANY STRIPING CONTACT JUSTIN WALLACE AT DISTRICT 4 AT (270-766-5066).

⑬ INCLUDES QUANTITIES FOR US 150 AND KY 245 NOT DEPICTED ON STRIPING PLANS. PRIOR TO PLACING ANY INLAID PAVEMENT MARKERS CONTACT JUSTIN WALLACE AT DISTRICT 4 AT (270-766-5066).

⑭ INCLUDES ALL NECESSARY ITEMS TO REMOVE FLUMES

⑮ ITEM IS NOTED AS "PAVE STRIPING-THERMO-6 IN W" ON STRIPING SHEETS

⑯ ITEM IS NOTED AS "PAVE STRIPING-THERMO-6 IN Y" ON STRIPING SHEETS

⑰ THIS ITEM IS USED IN CONCURRENCE WITH ITEMS 25008EC AND 25009EC

ADDED NOTES 15-17

ITEM	DESCRIPTION	UNIT	US 150	KY 245	APPROACH ROAD #1	APPROACH ROAD #2	OLD FILATREAU	RAMP A	RAMP A-1	RAMP B	RAMP C	RAMP D-1	RAMP D	MAYWOOD AVENUE	PARKWAY DRIVE	LESLIE BALLARD	PROJECT TOTAL
20758ED	REMOVE AND RESET PERF PIPE HEADWALL	EACH	1										1				2
21289ED	LONGITUDINAL EDGE KEY	LF	12539	1091			302	197	62	383	398	716	716	215		367	16270
21802EN	G/R STEEL W BEAM-S FACE (7 FT POST) ⑨	LF	212.5				137.5	750	150	712.5	175	62.5					2200
22664EN	WATERBLASTING EXISTING STRIPE	LF															22500
23158E5505	DETECTABLE WARNINGS	SQFT	180														180
23274EN11F	TURF REINFORCEMENT MAT 1	SQYD	126													234	360
23607EC	PAVE MARK-THERMO-LANE REDUCTION ARROW	EACH	3														3
23871EC	PAVE STRIPE-WET REF TAPE- 6 IN Y	LF	476												2		476
23872EC	PAVE STRIPE-WET REF TAPE- 6 IN W	LF	659														659
23875NC	REMOVE THERMOPLASTIC ARROWS ⑪	LF	2														4
23911EC	GROUT	CUYD	5														5
24114EC	PAVE MARK-THERMO-YIELD	EACH	12														12
24489EC	INLAID PAVEMENT MARKER ⑬	EACH															647
24683ED	PAVE MARKING-THERMO DOTTED LANE EXTEN	LF	86														86
24894EC	REMOVE ⑭	EACH						1	1			1					3
25008EC	PAVE STRIPING-THERMO-6 IN W-WET REFLECT ⑫ ⑮	LF	11297	1424		165	680	489	220	463	1290	158	451		58		16206
25009EC	PAVE STRIPING-THERMO-6 IN Y-WET REFLECT ⑯	LF	19250	1600					225	284	664	164	80				22796
25019EC	GROOVE FOR PAVE STRIPING - 7 IN ⑰	LF															39002

REMOVED THE FOLLOWING BID ITEMS:
 6542 PAVE STRIPING-THERMO-6 IN W
 6543 PAVE STRIPING-THERMO-6 IN Y

ADDED THE FOLLOWING BID ITEMS:
 25008EC PAVE STRIPING-THERMO-6 IN W-WET REFLECT
 25009EC PAVE STRIPING-THERMO-6 IN Y-WET REFLECT
 25019EC GROOVE FOR PAVE STRIPING - 7 IN