



COMMONWEALTH OF KENTUCKY  
TRANSPORTATION CABINET

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

Matthew G. Bevin  
Governor

Greg Thomas  
Secretary

July 16, 2018

CALL NO. 103  
CONTRACT ID NO. 181025  
ADDENDUM # 1

Subject: Boone County, STP 8200 (017)  
Letting July 27, 2018

- (1) Revised - Wage Rates - Pages 223 to 232 of 243
- (2) Revised - Bid Items - Pages 237 to 243 of 243
- (3) Revised - Plan Sheets - R2F and R2J

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 cursive script that reads "Rachel Mills".

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

RM:mw  
Enclosures



An Equal Opportunity Employer M/F/D

General Decision Number: KY180101 07/13/2018 KY101

Superseded General Decision Number: KY20170101

State: Kentucky

Construction Type: Highway

Counties: Boone, Campbell, Kenton and Pendleton Counties in Kentucky.

HIGHWAY CONSTRUCTION PROJECTS (excluding tunnels, building structures in rest area projects & railroad construction; bascule, suspension & spandrel arch bridges designed for commercial navigation, bridges involving marine construction; and other major bridges).

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.35 for calendar year 2018 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.35 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2018. The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at [www.dol.gov/whd/govcontracts](http://www.dol.gov/whd/govcontracts).

Modification Number	Publication Date
0	01/05/2018
1	02/16/2018
2	04/20/2018
3	05/04/2018
4	06/01/2018
5	07/13/2018

BRKY0002-005 06/01/2017

	Rates	Fringes
BRICKLAYER.....	\$ 27.81	13.01

BROH0001-005 06/01/2008

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER....	\$ 25.75	8.60

CARP0698-001 05/01/2014

BOONE, CAMPBELL, KENTON & PENDLETON COUNTIES:

	Rates	Fringes
Carpenter & Piledrivermen.....	\$ 27.27	14.59
Diver.....	\$ 40.58	9.69

\* ELEC0212-007 06/04/2018

	Rates	Fringes
ELECTRICIAN.....	\$ 28.39	18.98

ELEC0212-013 11/27/2017

	Rates	Fringes
Sound & Communication Technician.....	\$ 23.55	11.26

ENGI0018-013 05/01/2015

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
GROUP 1.....	\$ 33.34	14.25
GROUP 2.....	\$ 33.22	14.25
GROUP 3.....	\$ 32.18	14.25
GROUP 4.....	\$ 31.00	14.24
GROUP 5.....	\$ 25.54	14.25
GROUP 6.....	\$ 33.59	14.25
GROUP 7.....	\$ 33.84	14.25

OPERATING ENGINEER CLASSIFICATIONS

GROUP 1 - Air Compressor on Steel Erection; Barrier Moving Machine; Boiler Operator on Compressor or Generator when mounted on a Rig; Cableway; Combination Concrete Mixer & Tower; Concrete Plant (over 4 yd. Capacity); Concrete Pump; Crane (All Types, Including Boom Truck, Cherry Picker); Crane-Compact, Track or Rubber over 4,000 lbs. capacity; Cranes-Self Erecting, Stationary, Track or Truck (All Configurations); Derrick; Dragline; Dredge (Dipper, Clam or Suction); Elevating Grader or Euclid Loader; Floating Equipment (All Types); Gradall; Helicopter Crew (Operator-Hoist or Winch); Hoe (all types); Hoisting Engine on Shaft or Tunnel Work; Hydraulic Gantry (Lifting System); Industrial-Type Tractor; Jet Engine Dryer (D8 or D9) Diesel Tractor; Locomotive (Standard Gauge); Maintenance Operator Class A; Mixer, Paving (Single or Double Drum); Mucking Machine; Multiple Scraper; Piledriving Machine (All Types); Power Shovel; Prentice Loader; Quad 9 (Double Pusher); Rail Tamper (with auto lifting & aligning device); Refrigerating Machine (Freezer Operation); Rotary Drill, on Caisson work; Rough Terrain Fork Lift with Winch/Hoist; Side-Boom; Slip-Form Paver; Tower Derrick; Tree Shredder; Trench Machine (Over 24" wide); Truck Mounted Concrete Pump; Tug Boat; Tunnel Machine and/or Mining Machine; & Wheel Excavator

GROUP 2 - Asphalt Paver; Automatic Subgrader Machine, Self-Propelled (CMI Type); Bobcat Type and/or Skid Steer Loader with Hoe Attachment Greater than 7,000 lbs.; Boring Machine More than 48"; Bulldozer; Endloader; Hydro Milling Machine; Horizontal Directional Drill (over 500,000 ft. lbs. thrust); Kolman-type Loader (production type-Dirt); Lead Greaseman; Lighting & Traffic Signal Installation Equipment (includes all groups or classifications); Material Transfer Equipment (Shuttle Buggy) Asphalt; Pettibone-Rail Equipment; Power Grader; Power Scraper; Push Cat; Rotomill (all), Grinders & Planers of All types; Trench Machine (24" wide & under); & Vermeer type Concrete Saw

GROUP 3 - A-Frame; Air Compressor on Tunnel Work (low pressure); Asphalt Plant Engineer; Bobcat-type and/or Skid Steer Loader with or without Attachments; Highway Drills (all types); Locomotive (narrow gauge); Material Hoist/Elevator; Mixer, Concrete (more than one bag capacity); Mixer, one bag capacity (Side Loader); Power Boiler (Over 15 lbs. Pressure) Pump Operator installing & operating Well Points; Pump (4" & over discharge); Roller, Asphalt; Rotovator (lime soil stabilizer); Switch & Tie Tampers (without lifting & aligning device); Utility Operator (Small equipment); & Welding Machines

GROUP 4 - Backfiller; Ballast Re-locator; Bars, Joint & Mesh Installing Machine; Batch Plant; Boring Machine Operator (48" or less); Bull Floats; Burlap & Curing Machine; Concrete Plant (capacity 4 yd. & under); Concrete Saw (Multiple); Conveyor (Highway); Crusher; Deckhand; Farm-type Tractor with attachments (highway) except Masonry); Finishing Machine; Fireperson, Floating Equipment (all types); Fork Lift (highway); Form Trencher; Hydro Hammer; Hydro Seeder; Pavement Breaker; Plant Mixer; Post Driver; Post Hole Digger (Power Auger); Power Brush Burner; Power Form Handling Equipment; Road Widening Trencher; Roller (Brick, Grade & Macadam); Self-Propelled Power Spreader; Self-Propelled Power Subgrader; Steam Fireperson; Tractor (Pulling Sheepfoot, Roller or Grader); & Vibratory Compactor with Integral Power

GROUP 5 - Compressor (Portable, Sewer, Heavy & Highway); Drum Fireperson (Asphalt); Generator; Masonry Fork Lift; Inboard-Outboard Motor Boat Launch; Masonry Fork Lift; Oil Heater (asphalt plant); Oiler; Power Driven Heater; Power Sweeper & Scrubber; Pump (under 4" discharge); Signalperson; Tire Repairperson; & VAC/ALLS

GROUP 6 - Master Mechanic & Boom from 150 to 180

GROUP 7 - Boom from 180 and over

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IRON0044-008 06/01/2017

	Rates	Fringes
Ironworkers:		
Fence Erector.....	\$ 25.62	19.15

Structural.....\$ 27.60 20.10

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IRON0044-018 06/01/2017

Rates Fringes

IRONWORKER, REINFORCING.....\$ 27.60 20.10

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LABO0189-004 07/01/2017

Rates Fringes

LABORER

GROUP 1.....\$ 23.14 13.29  
GROUP 2.....\$ 23.39 13.29  
GROUP 3.....\$ 23.44 13.29  
GROUP 4.....\$ 24.04 13.29

LABORERS CLASSIFICATIONS

GROUP 1 - Aging & Curing of Concrete; Asbestos Abatement Worker; Asphalt Plant; Asphalt; Batch Truck Dump; Carpenter Tender; Cement Mason Tender; Cleaning of Machines; Concrete; Demolition; Dredging; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Level D; Flagperson; Grade Checker; Hand Digging & Hand Back Filling; Highway Marker Placer; Landscaping, Mesh Handler & Placer; Puddler; Railroad; Rip-rap & Grouter; Right-of-Way; Sign, Guard Rail & Fence Installer; Signal Person; Sound Barrier Installer; Storm & Sanitary Sewer; Swamper; Truck Spotter & Dumper; Wrecking of Concrete Forms; General Cleanup

GROUP 2 - Batter Board Man (Sanitary & Storm Sewer); Brickmason Tender; Mortar Mixer Operator; Scaffold Builder; Burner & Welder; Bushhammer; Chain Saw Operator; Concrete Saw Operator; Deckhand Scow Man; Dry Cement Handler; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Level C; Forklift Operator for Masonary; Form Setter; Green Concrete Cutting; Hand Operated Grouter & Grinder Machine Operator; Jackhammer; Pavement Breaker; Paving Joint Machine; Pipelayer; Plastic Pipe Fusion; Power Driven Georgia Buggy & Wheel Barrow; Power Post Hole Digger; Precast Manhole Setter; Walk-Behind Tamper; Walk-Behind Trencher; Sand Blaster; Concrete Chipper; Surface Grinder; Vibrator Operator; Wagon Driller

GROUP 3 - Asphalt Luteman & Raker; Gunnite Nozzleman; Gunnite Operator & Mixer; Grout Pump Operator; Side Rail Setter; Rail Paved Ditches; Screw Operator; Tunnel (Free Air); Water Blaster

GROUP 4 - Caisson Worker (Free Air); Cement Finisher; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Levels A & B; Miner & Driller (Free Air); Tunnel Blaster; & Tunnel Mucker (Free Air); Directional & Horizontal Boring; Air Track Driller (All Types); Powderman & Blaster; Troxler & Concrete Tester if Laborer is Utilized

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LABO0265-009 05/01/2018

BOONE, CAMPBELL & KENTON COUNTIES:

	Rates	Fringes
LABORER		
GROUP 1.....	\$ 30.62	10.95
GROUP 2.....	\$ 30.79	10.95
GROUP 3.....	\$ 31.12	10.95
GROUP 4.....	\$ 31.57	10.95

LABORER CLASSIFICATIONS

GROUP 1 - Asphalt Laborer; Carpenter Tender; Concrete Curing Applicator; Dump Man (Batch Truck); Guardrail and Fence Installer; Joint Setter; Laborer (Construction); Landscape Laborer; Highway Lighting Worker; Signalization Worker; Mesh Handlers & Placer; Right-of-way Laborer; Riprap Laborer & Grouter; Scaffold Erector; Seal Coating; Surface Treatment or Road Mix Laborer; Sign Installer; Slurry Seal; Utility Man; Bridge Man; Handyman; Waterproofing Laborer; Flagperson; Hazardous Waste (level D); Diver Tender; Zone Person & Traffic Control

GROUP 2 - Skid Steer; Asphalt Raker; Concrete Puddler; Kettle Man (Pipeline); Machine Driven Tools (Gas, Electric, Air); Mason Tender; Brick Paver; Mortar Mixer; Power Buggy or Power Wheelbarrow; Sheeting & Shoring Man; Surface Grinder Man; Plastic Fusing Machine Operator; Pug Mill Operator; & Vacuum Devices (wet or dry); Rodding Machine Operator; Diver; Screwman or Paver; Screed Person; Water Blast, Hand Held Wand; Pumps 4" & Under (Gas, Air or Electric) & Hazardous Waste (level C); Air Track and Wagon Drill; Bottom Person; Cofferdam (below 25 ft. deep); Concrete Saw Person; Cutting with Burning Torch; Form Setter; Hand Spiker (Railroad); Pipelayer; Tunnel Laborer (without air) & Caisson; Underground Person (working in Sewer and Waterline, Cleaning, Repairing & Reconditioning); Sandblaster Nozzle Person; & Hazardous Waste (level B)

GROUP 3 - Blaster; Mucker; Powder Person; Top Lander; Wrencher (Mechanical Joints & Utility Pipeline); Yarner; Hazardous Waste (level A); Concrete Specialist; Concrete Crew in Tunnels (With Air-pressurized - \$1.00 premium); Curb Setter & Cutter; Grade Checker; Utility Pipeline Tapper; Waterline; and Caulker

GROUP 4 - Miner; & Guniting Nozzle Person

TUNNEL LABORER WITH AIR-PRESSURIZED ADD \$1.00 TO BASE RATE

SIGNAL PERSON WILL RECEIVE THE RATE EQUAL TO THE RATE PAID THE LABORER CLASSIFICATION FOR WHICH HE OR SHE IS SIGNALING.

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PAIN0012-016 05/01/2015

	Rates	Fringes
PAINTER		
Bridge.....	\$ 24.39	9.06
Bridge Equipment Tender and Containment Builder.....	\$ 20.73	9.06
Brush & Roller.....	\$ 23.39	9.06
Sandblasting & Water Blasting.....	\$ 24.14	9.06
Spray.....	\$ 23.89	9.06

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PLUM0392-008 06/01/2018

	Rates	Fringes
PLUMBER.....	\$ 32.01	19.67

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SUKY2010-161 02/05/1996

	Rates	Fringes
Truck drivers:		
GROUP 1.....	\$ 15.85	4.60
GROUP 2.....	\$ 16.29	4.60

TRUCK DRIVER CLASSIFICATIONS

GROUP 1 - Driver

GROUP 2 - Euclid Wagon; End Dump; Lowboy; Heavy Duty  
Equipment; Tractor-Trailer Combination; & Drag

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WELDERS - Receive rate prescribed for craft performing  
operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at [www.dol.gov/whd/govcontracts](http://www.dol.gov/whd/govcontracts).

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses

(29CFR 5.5 (a) (1) (ii)).

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The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

#### Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

#### Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

#### Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the



classifications was union data. EXAMPLE: UAVG-OH-0010  
08/29/2014. UAVG indicates that the rate is a weighted union  
average rate. OH indicates the state. The next number, 0010 in  
the example, is an internal number used in producing the wage  
determination. 08/29/2014 indicates the survey completion date  
for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of  
each year, to reflect a weighted average of the current  
negotiated/CBA rate of the union locals from which the rate is  
based.

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WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can  
be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on  
a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests  
for summaries of surveys, should be with the Wage and Hour  
Regional Office for the area in which the survey was conducted  
because those Regional Offices have responsibility for the  
Davis-Bacon survey program. If the response from this initial  
contact is not satisfactory, then the process described in 2.)  
and 3.) should be followed.

With regard to any other matter not yet ripe for the formal  
process described here, initial contact should be with the  
Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
Wage and Hour Division  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an  
interested party (those affected by the action) can request  
review and reconsideration from the Wage and Hour Administrator  
(See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

The request should be accompanied by a full statement of the  
interested party's position and by any information (wage  
payment data, project description, area practice material,  
etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

Fringe benefit amounts are applicable for all hours worked except when otherwise noted.

No laborer, workman or mechanic shall be paid at a rate less than that of a Journeyman except those classified as bona fide apprentices.

Apprentices or trainees shall be permitted to work as such subject to Administrative Regulations adopted by the Commissioner of Workplace Standards. Copies of these regulations will be furnished upon request from any interested person.

Before using apprentices on the job the contractor shall present to the Contracting Officer written evidence of registration of such employees in a program of a State apprenticeship and training agency approved and recognized by the U. S. Bureau of Apprenticeship and Training. In the absence of such a State agency, the contractor shall submit evidence of approval and registration by the U. S. Bureau of Apprenticeship and Training.

The contractor shall submit to the Contracting Officer, written evidence of the established apprenticeship-journeyman ratios and wage rates in the project area, which will be the basis for establishing such ratios and rates for the project under the applicable contract provisions.

**TO: EMPLOYERS/EMPLOYEES**

**PREVAILING WAGE SCHEDULE:**

**The wages indicated on this wage schedule are the least permitted to be paid for the occupations indicated. When an employee works in more than one classification, the employer must record the number of hours worked in each classification at the prescribed hourly base rate.**

**OVERTIME:**

**Overtime is to be paid after an employee works eight (8) hours a day or forty (40) hours a week, whichever gives the employee the greater wages. At least time and one-half the base rate is required for all overtime. A laborer, workman or mechanic and an employer may enter into a written agreement or a collective bargaining agreement to work more than eight (8) hours a calendar day but not more than ten (10) hours a calendar day for the straight time hourly rate. Wage violations or questions should be directed to the designated Engineer or the undersigned.**

Director  
Division of Construction Procurement  
Frankfort, Kentucky 40622  
502-564-3500

**PROPOSAL BID ITEMS**

REVISED ADDENDUM #1: 7-16-18

181025

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Report Date 7/16/18

**Section: 0001 - PAVING-ALT #1**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	51,649.00	TON		\$	
0020	00008		CEMENT STABILIZED ROADBED	120,196.00	SQYD		\$	
0030	00020		TRAFFIC BOUND BASE	152.00	TON		\$	
0040	00100		ASPHALT SEAL AGGREGATE	24.60	TON		\$	
0050	00103		ASPHALT SEAL COAT	3.00	TON		\$	
0060	00214		CL3 ASPH BASE 1.00D PG64-22	70,136.00	TON		\$	
0070	00356		ASPHALT MATERIAL FOR TACK	68.00	TON		\$	
0080	00358		ASPHALT CURING SEAL	120.00	TON		\$	
0090	00388		CL3 ASPH SURF 0.38B PG64-22	11,851.00	TON		\$	
0100	01810		STANDARD CURB AND GUTTER	30,100.00	LF		\$	
0110	02084		JPC PAVEMENT-8 IN	1,455.00	SQYD		\$	
0120	02101		CEM CONC ENT PAVEMENT-8 IN	963.00	SQYD		\$	
0130	02542		CEMENT	2,294.00	TON		\$	
0140	02677		ASPHALT PAVE MILLING & TEXTURING	138.00	TON		\$	
0150	02702		SAND FOR BLOTTER	301.00	TON		\$	
0160	10020NS		FUEL ADJUSTMENT	205,212.00	DOLL	\$1.00	\$	\$205,212.00
0170	10030NS		ASPHALT ADJUSTMENT	320,611.00	DOLL	\$1.00	\$	\$320,611.00
0180	23379EC		STAMPED CONCRETE	425.00	SQYD		\$	
0190	24779EC		INTELLIGENT COMPACTION FOR SOIL	242,795.00	CUYD		\$	
0200	24780EC		INTELLIGENT COMPACTION FOR AGGREGATE	51,183.00	TON		\$	
0210	24781EC		INTELLIGENT COMPACTION FOR ASPHALT	81,631.00	TON		\$	
0220	24891EC		PAVE MOUNT INFRARED TEMP EQUIPMENT	1,857,132.00	SF		\$	
0230	24990EC		INTELLIGENT COMP SUBGRADE STABILIZATION	120,196.00	SQYD		\$	

**Section: 0002 - PAVING- ALT #2**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0240	00003		CRUSHED STONE BASE	93,072.00	TON		\$	
0250	00008		CEMENT STABILIZED ROADBED	120,145.00	SQYD		\$	
0260	00020		TRAFFIC BOUND BASE	152.00	TON		\$	
0270	00100		ASPHALT SEAL AGGREGATE	24.60	TON		\$	
0280	00103		ASPHALT SEAL COAT	3.00	TON		\$	
0290	00214		CL3 ASPH BASE 1.00D PG64-22	35,984.00	TON		\$	
0300	00356		ASPHALT MATERIAL FOR TACK	44.00	TON		\$	
0310	00358		ASPHALT CURING SEAL	120.00	TON		\$	
0320	00388		CL3 ASPH SURF 0.38B PG64-22	11,851.00	TON		\$	
0330	01810		STANDARD CURB AND GUTTER	30,100.00	LF		\$	
0340	02084		JPC PAVEMENT-8 IN	1,455.00	SQYD		\$	
0350	02101		CEM CONC ENT PAVEMENT-8 IN	963.00	SQYD		\$	
0360	02542		CEMENT	2,293.00	TON		\$	
0370	02677		ASPHALT PAVE MILLING & TEXTURING	138.00	TON		\$	
0380	02702		SAND FOR BLOTTER	301.00	TON		\$	
0390	10020NS		FUEL ADJUSTMENT	166,800.00	DOLL	\$1.00	\$	\$166,800.00
0400	10030NS		ASPHALT ADJUSTMENT	187,090.00	DOLL	\$1.00	\$	\$187,090.00

**PROPOSAL BID ITEMS**

REVISED ADDENDUM #1: 7-16-18

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Report Date 7/16/18

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0410	20263ED		GEOGRID REINFORCEMENT	120,145.00	SQYD		\$	
0420	23379EC		STAMPED CONCRETE	425.00	SQYD		\$	
0430	24779EC		INTELLIGENT COMPACTION FOR SOIL	242,795.00	CUYD		\$	
0440	24780EC		INTELLIGENT COMPACTION FOR AGGREGATE	92,616.00	TON		\$	
0450	24781EC		INTELLIGENT COMPACTION FOR ASPHALT	47,479.00	TON		\$	
0460	24891EC		PAVE MOUNT INFRARED TEMP EQUIPMENT	1,857,132.00	SF		\$	
0470	24990EC		INTELLIGENT COMP SUBGRADE STABILIZATION	120,145.00	SQYD		\$	

**Section: 0003 - ROADWAY**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0480	00021		DRAINAGE BLANKET-EMBANKMENT	3,137.00	CUYD		\$	
0490	00078		CRUSHED AGGREGATE SIZE NO 2	2,287.00	TON		\$	
0500	01000		PERFORATED PIPE-4 IN (REVISED: 7-16-18)	33,722.00	LF		\$	
0510	01010		NON-PERFORATED PIPE-4 IN	96.00	LF		\$	
0520	01020		PERF PIPE HEADWALL TY 1-4 IN	1.00	EACH		\$	
0530	01024		PERF PIPE HEADWALL TY 2-4 IN	2.00	EACH		\$	
0540	01028		PERF PIPE HEADWALL TY 3-4 IN	4.00	EACH		\$	
0550	01875		STANDARD HEADER CURB	1,852.00	LF		\$	
0560	01890		ISLAND HEADER CURB TYPE 1	438.00	LF		\$	
0570	02091		REMOVE PAVEMENT	1,346.00	SQYD		\$	
0580	02159		TEMP DITCH	8,554.00	LF		\$	
0590	02160		CLEAN TEMP DITCH	4,279.00	LF		\$	
0600	02230		EMBANKMENT IN PLACE	273,799.00	CUYD		\$	
0610	02242		WATER	648.00	MGAL		\$	
0620	02274		FENCE-6 FT CHAIN LINK	842.00	LF		\$	
0630	02287		DOUBLE VEHICULAR CHAIN LINK GATE	1.00	EACH		\$	
0640	02351		GUARDRAIL-STEEL W BEAM-S FACE	5,412.50	LF		\$	
0650	02360		GUARDRAIL TERMINAL SECTION NO 1	2.00	EACH		\$	
0660	02363		GUARDRAIL CONNECTOR TO BRIDGE END TY A	4.00	EACH		\$	
0670	02367		GUARDRAIL END TREATMENT TYPE 1	5.00	EACH		\$	
0680	02381		REMOVE GUARDRAIL	50.00	LF		\$	
0690	02391		GUARDRAIL END TREATMENT TYPE 4A	19.00	EACH		\$	
0700	02429		RIGHT-OF-WAY MONUMENT TYPE 1	126.00	EACH		\$	
0710	02432		WITNESS POST	3.00	EACH		\$	
0720	02484		CHANNEL LINING CLASS III	1,315.00	TON		\$	
0730	02545		CLEARING AND GRUBBING 72.39 ACRES	1.00	LS		\$	
0740	02562		TEMPORARY SIGNS	1,013.00	SQFT		\$	
0750	02585		EDGE KEY	210.00	LF		\$	
0760	02599		FABRIC-GEOTEXTILE TYPE IV	51,561.00	SQYD		\$	
0770	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0780	02651		DIVERSIONS (BY-PASS DETOURS)	1.00	LS		\$	
0790	02671		PORTABLE CHANGEABLE MESSAGE SIGN	4.00	EACH		\$	
0800	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0810	02690		SAFELOADING	60.00	CUYD		\$	

**PROPOSAL BID ITEMS**

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0820	02703		SILT TRAP TYPE A	72.00	EACH		\$	
0830	02704		SILT TRAP TYPE B	72.00	EACH		\$	
0840	02705		SILT TRAP TYPE C	72.00	EACH		\$	
0850	02706		CLEAN SILT TRAP TYPE A	72.00	EACH		\$	
0860	02707		CLEAN SILT TRAP TYPE B	72.00	EACH		\$	
0870	02708		CLEAN SILT TRAP TYPE C	72.00	EACH		\$	
0880	02720		SIDEWALK-4 IN CONCRETE	1,404.00	SQYD		\$	
0890	02720		SIDEWALK-4 IN CONCRETE SPECIAL SIDEWALK (@ ROUNDABOUT SPLITTER ISLANDS)	526.00	SQYD		\$	
0900	02726		STAKING	1.00	LS		\$	
0910	02775		ARROW PANEL	2.00	EACH		\$	
0920	03171		CONCRETE BARRIER WALL TYPE 9T	1,944.00	LF		\$	
0930	05950		EROSION CONTROL BLANKET	6,158.00	SQYD		\$	
0940	05952		TEMP MULCH	233,578.00	SQYD		\$	
0950	05953		TEMP SEEDING AND PROTECTION	175,184.00	SQYD		\$	
0960	05963		INITIAL FERTILIZER	6.90	TON		\$	
0970	05964		20-10-10 FERTILIZER	11.50	TON		\$	
0980	05985		SEEDING AND PROTECTION	198,270.00	SQYD		\$	
0990	05990		SODDING	17,930.00	SQYD		\$	
1000	05992		AGRICULTURAL LIMESTONE	138.00	TON		\$	
1010	06410		STEEL POST TYPE 1	1,137.00	LF		\$	
1020	06510		PAVE STRIPING-TEMP PAINT-4 IN	101,460.00	LF		\$	
1030	06514		PAVE STRIPING-PERM PAINT-4 IN	82,777.00	LF		\$	
1040	06516		PAVE STRIPING-PERM PAINT-8 IN	3,268.00	LF		\$	
1050	06565		PAVE MARKING-THERMO X-WALK-6 IN	1,722.00	LF		\$	
1060	06568		PAVE MARKING-THERMO STOP BAR-24IN	544.00	LF		\$	
1070	06570		PAVE MARKING-PAINT CROSS-HATCH	2,972.00	SQFT		\$	
1080	06572		PAVE MARKING-DOTTED LANE EXTEN	440.00	LF		\$	
1090	06573		PAVE MARKING-THERMO STR ARROW	1.00	EACH		\$	
1100	06574		PAVE MARKING-THERMO CURV ARROW	45.00	EACH		\$	
1110	06575		PAVE MARKING-THERMO COMB ARROW	7.00	EACH		\$	
1120	06589		PAVEMENT MARKER TYPE V-MW	431.00	EACH		\$	
1130	06591		PAVEMENT MARKER TYPE V-BY	783.00	EACH		\$	
1140	08900		CRASH CUSHION TY VI CLASS B TL2	6.00	EACH		\$	
1150	15092		S MANHOLE	1.00	EACH		\$	
1160	15094		S MANHOLE ADJUST TO GRADE	7.00	EACH		\$	
1170	23158ES505		DETECTABLE WARNINGS	939.00	SQFT		\$	
1180	23274EN11F		TURF REINFORCEMENT MAT 1	5,246.00	SQYD		\$	
1190	23275EN11F		TURF REINFORCEMENT MAT 2	795.00	SQYD		\$	
1200	23276EN11F		TURF REINFORCEMENT MAT 3	351.00	SQYD		\$	
1210	23626EC		DETENTION BASIN	1.00	LS		\$	
1220	23649EC		DRAIN POND	1.00	LS		\$	
1230	23791EC		PAVE STRIPING-CHEVRON MARKINGS	1,298.00	SQFT		\$	
1240	24845EC		UTILITY COORDINATION	1.00	LS		\$	

**Section: 0004 - DRAINAGE**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1250	00440		ENTRANCE PIPE-15 IN	199.00	LF		\$	
1260	00466		CULVERT PIPE-30 IN	8.00	LF		\$	
1270	00470		CULVERT PIPE-48 IN	236.00	LF		\$	
1280	00472		CULVERT PIPE-60 IN	201.00	LF		\$	
1290	00521		STORM SEWER PIPE-15 IN	8,149.00	LF		\$	
1300	00522		STORM SEWER PIPE-18 IN	4,495.00	LF		\$	
1310	00524		STORM SEWER PIPE-24 IN	1,424.00	LF		\$	
1320	00528		STORM SEWER PIPE-36 IN	239.00	LF		\$	
1330	01202		PIPE CULVERT HEADWALL-15 IN	4.00	EACH		\$	
1340	01204		PIPE CULVERT HEADWALL-18 IN	9.00	EACH		\$	
1350	01208		PIPE CULVERT HEADWALL-24 IN	5.00	EACH		\$	
1360	01210		PIPE CULVERT HEADWALL-30 IN	1.00	EACH		\$	
1370	01212		PIPE CULVERT HEADWALL-36 IN	1.00	EACH		\$	
1380	01216		PIPE CULVERT HEADWALL-48 IN	2.00	EACH		\$	
1390	01220		PIPE CULVERT HEADWALL-60 IN	1.00	EACH		\$	
1400	01456		CURB BOX INLET TYPE A	79.00	EACH		\$	
1410	01480		CURB BOX INLET TYPE B	1.00	EACH		\$	
1420	01544		DROP BOX INLET TYPE 11	5.00	EACH		\$	
1430	01559		DROP BOX INLET TYPE 13G	7.00	EACH		\$	
1440	01581		DROP BOX INLET TYPE 16G	1.00	EACH		\$	
1450	02484		CHANNEL LINING CLASS III	410.00	TON		\$	
1460	02600		FABRIC GEOTEXTILE TY IV FOR PIPE	52,525.00	SQYD	\$2.00	\$	\$105,050.00
1470	22766ED		TRENCH DRAIN	16.00	LF		\$	
1480	23609ED		HYDRAULIC CONTROL STRUCTURE	1.00	LS		\$	
1490	23952EC		DRAINAGE JUNCTION BOX TY B	5.00	EACH		\$	
1500	24814EC		PIPELINE INSPECTION	7,376.00	LF		\$	

**Section: 0005 - BRIDGE-27648**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1510	02231		STRUCTURE GRANULAR BACKFILL	1,056.20	CUYD		\$	
1520	02998		MASONRY COATING	1,054.00	SQYD		\$	
1530	08001		STRUCTURE EXCAVATION-COMMON	4,926.00	CUYD		\$	
1540	08002		STRUCTURE EXCAV-SOLID ROCK	145.00	CUYD		\$	
1550	08019		CYCLOPEAN STONE RIP RAP	3,698.00	TON		\$	
1560	08033		TEST PILES	78.00	LF		\$	
1570	08046		PILES-STEEL HP12X53	972.00	LF		\$	
1580	08094		PILE POINTS-12 IN	32.00	EACH		\$	
1590	08100		CONCRETE-CLASS A	603.30	CUYD		\$	
1600	08104		CONCRETE-CLASS AA	1,009.30	CUYD		\$	
1610	08135		MECHANICAL REINF COUPLER #10	43.00	EACH		\$	
1620	08150		STEEL REINFORCEMENT	67,877.00	LB		\$	
1630	08151		STEEL REINFORCEMENT-EPOXY COATED	249,355.00	LB		\$	
1640	08634		PRECAST PC I BEAM TYPE 4	1,612.30	LF		\$	
1650	23630EC		ARMORED EDGE FOR CONCRETE	1.00	LS		\$	
1660	23813EC		DECK DRAIN	24.00	EACH		\$	

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**Section: 0006 - BRIDGE-CULVERT 27646**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1670	08002		STRUCTURE EXCAV-SOLID ROCK	13.00	CUYD		\$	
1680	08003		FOUNDATION PREPARATION	1.00	LS		\$	
1690	08100		CONCRETE-CLASS A	511.20	CUYD		\$	
1700	08150		STEEL REINFORCEMENT	69,192.00	LB		\$	

**Section: 0007 - BRIDGE-RETAINING WALL 27647**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1710	08001		STRUCTURE EXCAVATION-COMMON	37.00	CUYD		\$	
1720	08002		STRUCTURE EXCAV-SOLID ROCK	51.00	CUYD		\$	
1730	08039		PRE-DRILLING FOR PILES	60.00	LF		\$	
1740	08051		PILES-STEEL HP14X89	165.00	LF		\$	
1750	08100		CONCRETE-CLASS A	17.10	CUYD		\$	
1760	08150		STEEL REINFORCEMENT	2,354.00	LB		\$	
1770	21119ED		CONCRETE FORM LINER	42.00	SQYD		\$	

**Section: 0008 - SIGNING**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1780	06406		SBM ALUM SHEET SIGNS .080 IN	350.00	SQFT		\$	
1790	06407		SBM ALUM SHEET SIGNS .125 IN	80.00	SQFT		\$	
1800	06410		STEEL POST TYPE 1	300.00	LF		\$	
1810	06411		STEEL POST TYPE 2	900.00	LF		\$	
1820	06490		CLASS A CONCRETE FOR SIGNS	65.00	CUYD		\$	
1830	21373ND		REMOVE SIGN	5.00	EACH		\$	
1840	21596ND		GMSS TYPE D	10.00	EACH		\$	
1850	24631EC		BARCODE SIGN INVENTORY	81.00	EACH		\$	

**Section: 0009 - SIGNALIZATION**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1860	04795		CONDUIT-2 IN	1,100.00	LF		\$	
1870	04811		ELECTRICAL JUNCTION BOX TYPE B	6.00	EACH		\$	
1880	04820		TRENCHING AND BACKFILLING	1,100.00	LF		\$	
1890	04830		LOOP WIRE	4,000.00	LF		\$	
1900	04844		CABLE-NO. 14/5C	2,200.00	LF		\$	
1910	04850		CABLE-NO. 14/1 PAIR	4,000.00	LF		\$	
1920	04885		MESSENGER-10800 LB	450.00	LF		\$	
1930	04895		LOOP SAW SLOT AND FILL	1,100.00	LF		\$	
1940	04931		INSTALL CONTROLLER TYPE 170	1.00	EACH		\$	
1950	04932		INSTALL STEEL STRAIN POLE	4.00	EACH		\$	
1960	20093NS835		INSTALL PEDESTRIAN HEAD-LED	8.00	EACH		\$	
1970	20188NS835		INSTALL LED SIGNAL-3 SECTION	8.00	EACH		\$	
1980	20456NS835		INSTALL TEMP VIDEO CAMERA	5.00	EACH		\$	
1990	21743NN		INSTALL PEDESTRIAN DETECTOR	8.00	EACH		\$	



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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2000	23157EN		TRAFFIC SIGNAL POLE BASE	18.00	CUYD		\$	
2010	24955ED		REMOVE SIGNAL EQUIPMENT	1.00	EACH		\$	

**Section: 0010 - LIGHTING**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2020	04701		POLE 40 FT MTG HT	18.00	EACH		\$	
2030	04722		BRACKET 8 FT	3.00	EACH		\$	
2040	04725		BRACKET 15 FT	15.00	EACH		\$	
2050	04740		POLE BASE	18.00	EACH		\$	
2060	04750		TRANSFORMER BASE	18.00	EACH		\$	
2070	04761		LIGHTING CONTROL EQUIPMENT	1.00	EACH		\$	
2080	04780		FUSED CONNECTOR KIT	18.00	EACH		\$	
2090	04793		CONDUIT-1 1/4 IN	3,600.00	LF		\$	
2100	04795		CONDUIT-2 IN	375.00	LF		\$	
2110	04820		TRENCHING AND BACKFILLING	4,000.00	LF		\$	
2120	04832		WIRE-NO. 12	1,836.00	LF		\$	
2130	04833		WIRE-NO. 8	10,800.00	LF		\$	
2140	20391NS835		ELECTRICAL JUNCTION BOX TYPE A	4.00	EACH		\$	
2150	24589ED		LED LUMINAIRE	18.00	EACH		\$	

**Section: 0011 - WATERLINE-BOONE COUNTY WATER DISTRICT**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2160	14004		W DIRECTIONAL BORE	200.00	LF		\$	
2170	14009		W ENCASMENT STEEL BORED RANGE 4	77.00	LF		\$	
2180	14011		W ENCASMENT STEEL BORED RANGE 6	64.00	LF		\$	
2190	14018		W FIRE HYDRANT ADJUST	3.00	EACH		\$	
2200	14019		W FIRE HYDRANT ASSEMBLY	11.00	EACH		\$	
2210	14020		W FIRE HYDRANT RELOCATE	15.00	EACH		\$	
2220	14029		W METER ADJUST	3.00	EACH		\$	
2230	14030		W METER RELOCATE	28.00	EACH		\$	
2240	14037		W PIPE DUCTILE IRON 08 INCH	1,044.00	LF		\$	
2250	14039		W PIPE DUCTILE IRON 12 INCH	130.00	LF		\$	
2260	14040		W PIPE DUCTILE IRON 16 INCH	9,088.00	LF		\$	
2270	14048		W PIPE DCTL IRON RSTRND JOINT 08 IN	93.00	LF		\$	
2280	14050		W PIPE DCTL IRON RSTRND JOINT 12 IN	100.00	LF		\$	
2290	14051		W PIPE DCTL IRON RSTRND JOINT 16 IN	281.00	LF		\$	
2300	14074		W PLUG EXISTING MAIN	2.00	EACH		\$	
2310	14090		W TAPPING SLEEVE AND VALVE SIZE 2	1.00	EACH		\$	
2320	14095		W TIE-IN 08 INCH	5.00	EACH		\$	
2330	14097		W TIE-IN 12 INCH	2.00	EACH		\$	
2340	14098		W TIE-IN 16 INCH	3.00	EACH		\$	
2350	14106		W VALVE 08 INCH	6.00	EACH		\$	
2360	14108		W VALVE 12 INCH	3.00	EACH		\$	
2370	14109		W VALVE 16 INCH	14.00	EACH		\$	
2380	14113		W VALVE BOX ADJUST	11.00	EACH		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2390	14118		W VALVE CUT-IN 08 INCH	4.00	EACH		\$	
2400	14121		W VALVE CUT-IN 16 INCH	2.00	EACH		\$	
2410	14145		W SERV COPPER LONG SIDE 1 IN	1.00	EACH		\$	
2420	14147		W SERV COPPER LONG SIDE 2 IN	1.00	EACH		\$	
2430	14148		W SERV COPPER LONG SIDE 3/4 IN	15.00	EACH		\$	
2440	14152		W SERV COPPER SHORT SIDE 3/4 IN	20.00	EACH		\$	

**Section: 0012 - WATERLINE-CITY OF FLORENCE**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2450	14001		W AIR RELEASE VALVE 3/4 INCH	1.00	EACH		\$	
2460	14019		W FIRE HYDRANT ASSEMBLY	1.00	EACH		\$	
2470	14037		W PIPE DUCTILE IRON 08 INCH	250.00	LF		\$	
2480	14095		W TIE-IN 08 INCH	2.00	EACH		\$	
2490	14113		W VALVE BOX ADJUST	7.00	EACH		\$	

**Section: 0013 - DEMOBILIZATION &/OR MOBILIZATION**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2500	02568		MOBILIZATION	1.00	LS		\$	
2510	02569		DEMOBILIZATION	1.00	LS		\$	

GENERAL SUMMARY

ITEM	DESCRIPTION	UNIT	KY 237	THUNDER RIDGE DRIVE	CARTERS MILL / OAKBROOK	CAMP ERNST ROAD	BLUE STEM EXTENSION	MOT	PROJECT TOTALS
21	DRAINAGE BLANKET - EMBANKMENT	CY	3,137	0	0	0	0		3,137
1000	PERFORATED PIPE - 4 INCH	LF	33,722	0	0	0	0		33,722
1010	NON-PERFORATED PIPE - 4 INCH	LF	96	0	0	0	0		96
1020	PERFORATED PIPE HEADWALL TYPE 1-4"	EACH	1	0	0	0	0		1
1024	PERFORATED PIPE HEADWALL TYPE 2-4"	EACH	2	0	0	0	0		2
1028	PERFORATED PIPE HEADWALL TYPE 3-4"	EACH	4	0	0	0	0		4
1875	STANDARD HEADER CURB	LF	1,584	0	0	268	0		1,852
1890	ISLAND HEADER CURB TYPE 1	LF	438	0	0	0	0		438
2091	REMOVE PAVEMENT	SOYD	1,346	0	0	0	0		1,346
2159	TEMPORARY DITCH	LF	7,887	75	160	305	127		8,554
2160	CLEAN TEMPORARY DITCH	LF	3,944	38	80	153	64		4,279
78	CRUSHED AGGREGATE SIZE NO. 2	TON	2,287	0	0	0	0		2,287
23649EC	DRAIN POND	EACH	3	0	0	0	0		3
2230	EMBANKMENT IN PLACE	CUYD	242,795	289	0	1,050	41		273,799
2242	WATER	MGAL	598	5	12	23	10		648
2274	FENCE-6 FT CHAIN LINK	LF	842	0	0	0	0		842
2287	DBL. VEHICULAR CHAIN LINK GATE (10' WIDE)	EACH	1	0	0	0	0		1
2351	GUARDRAIL-STEEL W BEAM-S FACE	LF	5,412.5	0	0	0	0		5,412.5
2360	GUARDRAIL TERMINAL SECTION NO 1	EACH	2	0	0	0	0		2
2363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	EACH	4	0	0	0	0		4
2367	GUARDRAIL END TREATMENT TYPE 1	EACH	5	0	0	0	0		5
2381	REMOVE GUARDRAIL	LF	0	0	0	50	0		50
2391	GUARDRAIL END TREATMENT TYPE 4A	EACH	19	0	0	0	0		19
2429	RIGHT-OF-WAY MONUMENT TYPE 1	EACH	114	0	0	6	6		126
2432	WITNESS POST	EACH	3	0	0	0	0		3
2484	CHANNEL LINING CLASS III	TON	933	0	0	0	0		1315
23274ENIIF	TURF REINFORCEMENT MAT 1	SOYD	5,178	0	0	68	0		5,246
23275ENIIF	TURF REINFORCEMENT MAT 2	SOYD	795	0	0	0	0		795
23276ENIIF	TURF REINFORCEMENT MAT 3	SOYD	351	0	0	0	0		351
2545	CLEARING AND GRUBBING	LS							1
2568	MOBILIZATION	LS							1
2569	DEMobilIZATION	LS							1
2585	EDGE KEY	LF	96	30	64	20	0		180
2599	FABRIC-GEOTEXTILE TYPE IV	SOYD	51,561	0	0	0	0		51,561
2650	MAINTAIN & CONTROL TRAFFIC	LS							1
2671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH							4
2703	SILT TRAP TYPE A	EACH							72
2704	SILT TRAP TYPE B	EACH							72
2705	SILT TRAP TYPE C	EACH							72
2706	CLEAN SILT TRAP TYPE A	EACH							72
2707	CLEAN SILT TRAP TYPE B	EACH							72
2708	CLEAN SILT TRAP TYPE C	EACH							72
2726	STAKING	LS							1
2775	FLASHING ARROW	EACH	2	0	0	0	0		2
5950	EROSION CONTROL BLANKET	SOYD	5,480	0	0	678	-		6,158
5952	TEMPORARY MULCH	SOYD							233,578
5953	TEMP SEEDING AND PROTECTION	SOYD							175,184
5963	INITIAL FERTILIZER	TON							6.9
5964	20-10-10 FERTILIZER	TON							11.5
5985	SEEDING AND PROTECTION	SOYD							198,270
5990	SODDING	SOYD	17,457	118	145	0	210		17,930
5992	AGRICULTURAL LIMESTONE	TON							138.0
23626EC	DETENTION BASIN	EACH	2	0	0	0	0		2
2676	MOBILIZATION FOR MILL & TEXT	LS							1

NOTES:

- APPROXIMATELY 72.39 ACRES
- FOR CONTROLLING DUST CAUSED BY MAINTAINING TRAFFIC ONLY (200 MGAL/MILE)
- EARTHWORK
 

EXCAVATION	178,121 C.Y. COM FROM CROSS SECTIONS ⑤
	7,599 C.Y. RDZ ④
	18,233 C.Y. TRANSVERSE BENCHING ④
	10,222 C.Y. EMB. FOUND. BENCHING ④
	214,175 C.Y. TOTAL
EMBANKMENT	244,175 C.Y. EMB FROM CROSS SECTIONS ⑤
	1,169 C.Y. REFILL ⑫
	18,233 C.Y. TRANSVERSE BENCHING ④
	10,222 C.Y. EMB. FOUND. BENCHING ④
	273,799 C.Y. TOTAL
- ESTIMATE FOR EARTHWORK CALCULATIONS FOR DESIGN ONLY. COMMON IS CONSIDERED THE AREA ABOVE THE RDZ LINE AS SHOWN ON THE CROSS-SECTIONS. THE CONTRACTOR IS ADVISED THAT THE EARTHWORK CALCULATIONS SHOWN ARE FOR INFORMATION ONLY. ASSUMPTIONS FOR SHRINKAGE FACTORS ARE THE CONTRACTOR'S RESPONSIBILITY.
- SEE GEOTECHNICAL REPORT FOR LOCATIONS.
- INCLUDES 7 TONS FROM PERFORATED PIPE SUMMARY SHEET. SEE GEOTECHNICAL REPORT NOTE 16 FOR LOCATION.
- TOTAL INCLUDES 382 TONS FROM PIPE DRAINAGE SUMMARY SHEET.
- FOR FOUNDATION EMBANKMENT BENCHES. SEE GEOTECHNICAL REPORT NOTE 15 FOR LOCATION. ESTIMATED QUANTITIES:  
3,137 CY DRAINAGE BLANKET - EMB  
18,182 SY FABRIC - GEOTEXTILE TYPE IV
- FOR EMBANKMENT STABILITY AT STRUCTURE SEE GEOTECHNICAL REPORT NOTE 10 FOR LOCATION. ESTIMATED QUANTITIES:  
874 TONS CRUSHED AGGREGATE SIZE NO. 2  
7,276 SY FABRIC - GEOTEXTILE TYPE IV
- ASSUME CONSTRUCTION PERIOD OF 2 SEASONS.
- FOR POND STABILIZATION. SEE GEOTECHNICAL REPORT NOTE 20 FOR LOCATION.
- THIS VALUE PROVIDES FOR 1' OF UNDERCUT IN SHALE AREAS.
- INCLUDES 295 TONS FOR SPILL-THRU STABILITY SEE GEOTECHNICAL REPORT NOTE 11 FOR LOCATION.
- SEE GEOTECHNICAL REPORT NOTE 21 FOR LOCATIONS.
- INCLUDES 668 CY COM FROM CUL-DE-SACS
- FOR SOFT AND/OR SATURATED SOILS. SEE GEOTECHNICAL NOTE NO. 12. ESTIMATED QUANTITIES:  
256 TONS CRUSHED AGGREGATE SIZE NO. 2  
5,375 SY FABRIC - GEOTEXTILE TYPE IV
- FOR CROSS-OVERS, TIE-INS, ENTRANCES, ETC. SEE GEOTECHNICAL NOTE NO. 7. ESTIMATED QUANTITIES:  
250 TONS CRUSHED AGGREGATE SIZE NO. 2  
8,730 SY FABRIC - GEOTEXTILE TYPE IV

GENERAL SUMMARY

ITEM	DESCRIPTION	UNIT	KY 237	THUNDER RIDGE DRIVE	CARTERS MILL / OAKBROOK	CAMP ERNST ROAD	BLUE STEM EXTENSION	MOT	PROJECT TOTALS
21	DRAINAGE BLANKET - EMBANKMENT	CY	3,137	0	0	0	0		3,137
1000	PERFORATED PIPE - 4 INCH	LF	33,722	0	0	0	0		33,722
1010	NON-PERFORATED PIPE - 4 INCH	LF	96	0	0	0	0		96
1020	PERFORATED PIPE HEADWALL TYPE 1-4"	EACH	1	0	0	0	0		1
1024	PERFORATED PIPE HEADWALL TYPE 2-4"	EACH	2	0	0	0	0		2
1028	PERFORATED PIPE HEADWALL TYPE 3-4"	EACH	4	0	0	0	0		4
1875	STANDARD HEADER CURB	LF	1,584	0	0	268	0		1,852
1890	ISLAND HEADER CURB TYPE 1	LF	438	0	0	0	0		438
2091	REMOVE PAVEMENT	SOYD	1,346	0	0	0	0		1,346
2159	TEMPORARY DITCH	LF	7,887	75	160	305	127		8,554
2160	CLEAN TEMPORARY DITCH	LF	3,944	38	80	153	64		4,279
78	CRUSHED AGGREGATE SIZE NO. 2	TON	2,287	0	0	0	0		2,287
23649EC	DRAIN POND	EACH	3	0	0	0	0		3
2230	EMBANKMENT IN PLACE	CUYD	242,795	289	0	1,050	41		273,799
2242	WATER	MGAL	598	5	12	23	10		648
2274	FENCE-6 FT CHAIN LINK	LF	842	0	0	0	0		842
2287	DBL. VEHICULAR CHAIN LINK GATE (10' WIDE)	EACH	1	0	0	0	0		1
2351	GUARDRAIL-STEEL W BEAM-S FACE	LF	5,412.5	0	0	0	0		5,412.5
2360	GUARDRAIL TERMINAL SECTION NO 1	EACH	2	0	0	0	0		2
2363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	EACH	4	0	0	0	0		4
2367	GUARDRAIL END TREATMENT TYPE 1	EACH	5	0	0	0	0		5
2381	REMOVE GUARDRAIL	LF	0	0	0	50	0		50
2391	GUARDRAIL END TREATMENT TYPE 4A	EACH	19	0	0	0	0		19
2429	RIGHT-OF-WAY MONUMENT TYPE 1	EACH	114	0	0	6	6		126
2432	WITNESS POST	EACH	3	0	0	0	0		3
2484	CHANNEL LINING CLASS III	TON	933	0	0	0	0		933
23274ENIIF	TURF REINFORCEMENT MAT 1	SOYD	5,178	0	0	68	0		5,246
23275ENIIF	TURF REINFORCEMENT MAT 2	SOYD	795	0	0	0	0		795
23276ENIIF	TURF REINFORCEMENT MAT 3	SOYD	351	0	0	0	0		351
2545	CLEARING AND GRUBBING	LS							1
2568	MOBILIZATION	LS							1
2569	DEMobilIZATION	LS							1
2585	EDGE KEY	LF	96	30	64	20	0		170
2599	FABRIC-GEOTEXTILE TYPE IV	SOYD	51,561	0	0	0	0		51,561
2650	MAINTAIN & CONTROL TRAFFIC	LS							1
2671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH							4
2703	SILT TRAP TYPE A	EACH							72
2704	SILT TRAP TYPE B	EACH							72
2705	SILT TRAP TYPE C	EACH							72
2706	CLEAN SILT TRAP TYPE A	EACH							72
2707	CLEAN SILT TRAP TYPE B	EACH							72
2708	CLEAN SILT TRAP TYPE C	EACH							72
2726	STAKING	LS							1
2775	FLASHING ARROW	EACH	2	0	0	0	0		2
5950	EROSION CONTROL BLANKET	SOYD	5,480	0	0	678	-		6,158
5952	TEMPORARY MULCH	SOYD							233,578
5953	TEMP SEEDING AND PROTECTION	SOYD							175,184
5963	INITIAL FERTILIZER	TON							6.9
5964	20-10-10 FERTILIZER	TON							11.5
5985	SEEDING AND PROTECTION	SOYD							198,270
5990	SODDING	SOYD	17,457	118	145	0	210		17,930
5992	AGRICULTURAL LIMESTONE	TON							138.0
23626EC	DETENTION BASIN	EACH	2	0	0	0	0		2
2676	MOBILIZATION FOR MILL & TEXT	LS							1

NOTES:

- APPROXIMATELY 72.39 ACRES
- FOR CONTROLLING DUST CAUSED BY MAINTAINING TRAFFIC ONLY (200 MGAL/MILE)
- EARTHWORK
 

EXCAVATION	178,121 C.Y. COM FROM CROSS SECTIONS ⑤
	7,599 C.Y. RDZ ④
	18,233 C.Y. TRANSVERSE BENCHING ④
	10,222 C.Y. EMB. FOUND. BENCHING ④
	214,175 C.Y. TOTAL
EMBANKMENT	244,175 C.Y. EMB FROM CROSS SECTIONS ⑤
	1,169 C.Y. REFILL ⑫
	18,233 C.Y. TRANSVERSE BENCHING ④
	10,222 C.Y. EMB. FOUND. BENCHING ④
	273,799 C.Y. TOTAL
- ESTIMATE FOR EARTHWORK CALCULATIONS. FOR DESIGN ONLY. COMMON IS CONSIDERED THE AREA ABOVE THE RDZ LINE AS SHOWN ON THE CROSS-SECTIONS. THE CONTRACTOR IS ADVISED THAT THE EARTHWORK CALCULATIONS SHOWN ARE FOR INFORMATION ONLY. ASSUMPTIONS FOR SHRINKAGE FACTORS ARE THE CONTRACTOR'S RESPONSIBILITY.
- SEE GEOTECHNICAL REPORT FOR LOCATIONS.
- INCLUDES 7 TONS FROM PERFORATED PIPE SUMMARY SHEET. SEE GEOTECHNICAL REPORT NOTE 16 FOR LOCATION.
- TOTAL INCLUDES 382 TONS FROM PIPE DRAINAGE SUMMARY SHEET.
- FOR FOUNDATION EMBANKMENT BENCHES. SEE GEOTECHNICAL REPORT NOTE 15 FOR LOCATION. ESTIMATED QUANTITIES:  
3,137 CY DRAINAGE BLANKET - EMB  
18,182 SY FABRIC - GEOTEXTILE TYPE IV
- FOR EMBANKMENT STABILITY AT STRUCTURE LOCATION. ESTIMATED QUANTITIES:  
874 TONS CRUSHED AGGREGATE SIZE NO. 2  
7,276 SY FABRIC - GEOTEXTILE TYPE IV
- ASSUME CONSTRUCTION PERIOD OF 2 SEASONS.
- FOR POND STABILIZATION. SEE GEOTECHNICAL REPORT NOTE 20 FOR LOCATION.
- THIS VALUE PROVIDES FOR 1' OF UNDERCUT IN SHALE AREAS.
- INCLUDES 295 TONS FOR SPILL-THRU STABILITY LOCATION. SEE GEOTECHNICAL REPORT NOTE 11 FOR LOCATIONS.
- SEE GEOTECHNICAL REPORT NOTE 21 FOR LOCATIONS.
- INCLUDES 668 CY COM FROM CUL-DE-SACS
- FOR SOFT AND/OR SATURATED SOILS. SEE GEOTECHNICAL NOTE NO. 12. ESTIMATED QUANTITIES:  
256 TONS CRUSHED AGGREGATE SIZE NO. 2  
5,375 SY FABRIC - GEOTEXTILE TYPE IV
- FOR CROSS-OVERS, TIE-INS, ENTRANCES, ETC. SEE GEOTECHNICAL NOTE NO. 7. ESTIMATED QUANTITIES:  
250 TONS CRUSHED AGGREGATE SIZE NO. 2  
8,730 SY FABRIC - GEOTEXTILE TYPE IV

**PERFORATED PIPE DRAINAGE SUMMARY**

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-800.21	R2J

MILEPOST OR STATIONS	ITEM CODE	PERFORATED PIPE				NON-PERFORATED PIPE 4"	LIN FT	1010	PERFORATED PIPE HEADWALL			TON
		TYPE 1 - 4"	TYPE 2 - 4"	TYPE 3 - 4"	CRUSHED AGGREGATE SIZE NO. 2							
UNIT TO BID ON	UNIT TO BID ON	EACH	EACH	EACH	EACH	TON	78					
STA. 80+50 - TRANSVERSE BENCHING						8					1	
RT. STA. 82+07.72 - SUBGRADE DRAINAGE - SAG ③						8						
LT. STA. 83+30 - SUBGRADE DRAINAGE - SAG ③						8						
STA. 97+40 - TRANSVERSE BENCHING						8					1	
STA. 102+07 - SUBGRADE DRAINAGE - SAG ③						8						
STA. 102+90 - TRANSVERSE BENCHING						8					1	
STA. 122+20 - TRANSVERSE BENCHING						8					1	
STA. 137+30 - SUBGRADE DRAINAGE - SAG ③						8						
STA. 176+55 - TRANSVERSE BENCHING						8					1	
STA. 187+06 - TRANSVERSE BENCHING						8					1	
STA. 193+88 - TRANSVERSE BENCHING						8					1	
STA. 228+97 - SUBGRADE DRAINAGE - SAG ③						8						
LT. STA. 72+60.30 TO STA. 230+34.60 ④						16,224						
RT. STA. 73+00 TO STA. 230+34.60 ④						16,380						
<b>TOTAL PROJECT</b>						33,722②	96②	1	2	4	7	

① TOTALS CARRIED OVER TO THE GENERAL SUMMARY SHEET.  
 ② FABRIC GEOTEXTILE TYPE IV USED FOR UNDERDRAINS IS INCIDENTAL TO PERFORATED PIPE.  
 ③ TIE PERFORATED PIPE TO PROPOSED DRAINAGE BOX / CROSSDRAIN.  
 ④ INCLUDES SIDESTREETS

**PERFORATED PIPE DRAINAGE SUMMARY**

COUNTY OF BOONE  
 ITEM NO. 6-800.21  
 SHEET NO. R2J

REVISED 7-16-18

MILEPOST OR STATIONS	ITEM CODE	NON-PERFORATED PIPE 4"				PERFORATED PIPE 4"				CRUSHED AGGREGATE SIZE NO. 2
		PERFORATED PIPE HEADWALL TYPE 1 - 4"	PERFORATED PIPE HEADWALL TYPE 2 - 4"	PERFORATED PIPE HEADWALL TYPE 3 - 4"	PERFORATED PIPE HEADWALL TYPE 4 - 4"	PERFORATED PIPE HEADWALL TYPE 1 - 4"	PERFORATED PIPE HEADWALL TYPE 2 - 4"	PERFORATED PIPE HEADWALL TYPE 3 - 4"	PERFORATED PIPE HEADWALL TYPE 4 - 4"	
UNIT TO BID ON	UNIT TO BID ON	1000 LIN FT	1010 LIN FT	1020 EACH	1024 EACH	1028 EACH	78 TON			
STA. 80+50 - TRANSVERSE BENCHING		140	8			1	1			
RT. STA. 82+07.72 - SUBGRADE DRAINAGE - SAG ③		60	8							
LT. STA. 83+30 - SUBGRADE DRAINAGE - SAG ③		60	8							
STA. 97+40 - TRANSVERSE BENCHING		134	8		1		1			
STA. 102+07 - SUBGRADE DRAINAGE - SAG ③		64	8							
STA. 102+90 - TRANSVERSE BENCHING		112	8			1	1			
STA. 122+20 - TRANSVERSE BENCHING		120	8			1	1			
STA. 137+30 - SUBGRADE DRAINAGE - SAG ③		76	8							
STA. 176+55 - TRANSVERSE BENCHING		90	8	1			1			
STA. 187+06 - TRANSVERSE BENCHING		90	8			1	1			
STA. 193+88 - TRANSVERSE BENCHING		108	8		1		1			
STA. 228+97 - SUBGRADE DRAINAGE - SAG ③		64	8							
LT. STA. 72+60.30 TO STA. 230+34.60 ④		16,224								
RT. STA. 73+00 TO STA. 230+34.60 ④		16,380								
<b>TOTAL PROJECT</b>		33,722 ②	96 ②	1	2	4	7			

① TOTALS CARRIED OVER TO THE GENERAL SUMMARY SHEET.  
 ② FABRIC GEOTEXTILE TYPE IV USED FOR UNDERDRAINS IS INCIDENTAL TO PERFORATED PIPE.  
 ③ TIE PERFORATED PIPE TO PROPOSED DRAINAGE BOX / CROSSDRAIN.  
 ④ INCLUDES SIDESTREETS