



**Matthew G. Bevin**  
Governor

**COMMONWEALTH OF KENTUCKY  
TRANSPORTATION CABINET**  
Frankfort, Kentucky 40622  
[www.transportation.ky.gov/](http://www.transportation.ky.gov/)

**Greg Thomas**  
Secretary

April 23, 2018

CALL NO. 200  
CONTRACT ID NO. 181011  
ADDENDUM # 2

Subject: Jefferson County, 056GR18D011-NHPP IM  
Letting April 27, 2018

- (1) Revised - Material Summary - Pages 132-137 of 198
- (2) Revised - Bid Items - Pages 193-198a of 198
- (3) Revised - Plan Sheets - R2G and T1

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:mw  
Enclosures



An Equal Opportunity Employer M/F/D

# MATERIAL SUMMARY

**CONTRACT ID: 181011**

**056GR18D011-NHPP IM**

**DE05600641811**

I-64 WIDEN I-64 WB RAMP TO I-264 WB FROM ONE TO TWO LANES FOR ENTIRE LENGTH AND OTHER NEEDED IMPROVEMENTS TO ADDRESS WEAVE ISSUES AT MERGE ON I-264 GRADE & DRAIN WITH BRIDGE, A DISTANCE OF 2.35 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0005	00001	DGA BASE	16,897.00	TON
0010	00003	CRUSHED STONE BASE	462.00	TON
0015	00008	CEMENT STABILIZED ROADBED	32,748.00	SQYD
0020	00022	JPC PAVEMENT DRAINAGE BLANKET	6,549.00	TON
0025	00100	ASPHALT SEAL AGGREGATE	86.00	TON
0030	00103	ASPHALT SEAL COAT	10.30	TON
0035	00212	CL2 ASPH BASE 1.00D PG64-22	946.00	TON
0040	00339	CL3 ASPH SURF 0.38D PG64-22	102.00	TON
0045	00356	ASPHALT MATERIAL FOR TACK	2.40	TON
0050	00358	ASPHALT CURING SEAL	83.40	TON
0055	02071	JPC PAVEMENT-11 IN	22,086.00	SQYD
0060	02072	JPC PAVEMENT-11 IN SHLD	10,660.00	SQYD
0065	02542	CEMENT	831.00	TON
0070	02702	SAND FOR BLOTTER	232.00	TON
0075	00021	DRAINAGE BLANKET-EMBANKMENT	5,050.00	CUYD
0080	01310	REMOVE PIPE	924.00	LF
0085	01584	CAP DROP BOX INLET	5.00	EACH
0090	01585	REMOVE DROP BOX INLET	8.00	EACH
0095	01953	CONC MEDIAN BARRIER TYPE 12B2	1,886.00	LF
0100	01982	DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	69.00	EACH
0105	01984	DELINEATOR FOR BARRIER - WHITE	35.00	EACH
0110	02003	RELOCATE TEMP CONC BARRIER	3,300.00	LF
0115	02184	BACKFILLING	400.00	CUYD
0120	02200	ROADWAY EXCAVATION	27,833.00	CUYD
0125	02242	WATER	500.00	MGAL
0130	02265	REMOVE FENCE	1,429.00	LF
0135	02267	REMOVE & RESET FENCE	289.00	LF
0140	02268	REMOVE & REPLACE FENCE	25.00	LF
0145	02273	FENCE-4 FT CHAIN LINK	672.00	LF
0150	02274	FENCE-6 FT CHAIN LINK	815.00	LF
0155	02287	DOUBLE VEHICULAR CHAIN LINK GATE	1.00	EACH
0160	02351	GUARDRAIL-STEEL W BEAM-S FACE	4,437.00	LF
0165	02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	3.00	EACH
0170	02369	GUARDRAIL END TREATMENT TYPE 2A	4.00	EACH
0175	02381	REMOVE GUARDRAIL	4,832.00	LF
0180	02387	GUARDRAIL CONNECTOR TO BRIDGE END TY A-1	3.00	EACH
0185	02391	GUARDRAIL END TREATMENT TYPE 4A	3.00	EACH
0190	02429	RIGHT-OF-WAY MONUMENT TYPE 1	16.00	EACH
0195	02432	WITNESS POST	8.00	EACH
0200	02545	CLEARING AND GRUBBING - 19.3 ACRES	1.00	LS
0205	02599	FABRIC-GEOTEXTILE TYPE IV	15,140.00	SQYD
0210	02625	REMOVE HEADWALL	10.00	EACH

# MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0215	02650	MAINTAIN & CONTROL TRAFFIC	1.00	LS
0220	02653	LANE CLOSURE	2.00	EACH
0225	02671	PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH
0230	02695	RUMBLE STRIPS TYPE 3	280.00	LF
0235	02726	STAKING	1.00	LS
0240	02775	ARROW PANEL	2.00	EACH
0245	02898	RELOCATE CRASH CUSHION	6.00	EACH
0250	03171	CONCRETE BARRIER WALL TYPE 9T	11,500.00	LF
0255	06511	PAVE STRIPING-TEMP PAINT-6 IN	65,000.00	LF
0260	06556	PAVE STRIPING-DUR TY 1-6 IN W	14,031.00	LF
0265	06557	PAVE STRIPING-DUR TY 1-6 IN Y	4,192.00	LF
0270	06560	PAVE STRIPING-DUR TY 1-12 IN W	5,393.00	LF
0275	06589	PAVEMENT MARKER TYPE V-MW	109.00	EACH
0280	06592	PAVEMENT MARKER TYPE V-B W/R	419.00	EACH
0285	06593	PAVEMENT MARKER TYPE V-B Y/R	47.00	EACH
0290	08903	CRASH CUSHION TY VI CLASS BT TL3	6.00	EACH
0295	10020NS	FUEL ADJUSTMENT	37,164.00	DOLL
0300	20411ED	LAW ENFORCEMENT OFFICER	200.00	HOURL
0305	20550ND	SAWCUT PAVEMENT	9,710.00	LF
0310	20591EC	REMOVE BARRIER	1,069.00	LF
0315	21597EN	REMOVE PERF PIPE HEADWALL	15.00	EACH
0320	23335EC	CONCRETE MEDIAN BARRIER TY 9B2	709.00	LF
0325	00078	CRUSHED AGGREGATE SIZE NO 2	12.00	TON
0330	00466	CULVERT PIPE-30 IN	24.00	LF
0335	00468	CULVERT PIPE-36 IN	12.00	LF
0340	00471	CULVERT PIPE-54 IN	8.00	LF
0345	00496	CULVERT PIPE-36 IN EQUIV	16.00	LF
0350	00521	STORM SEWER PIPE-15 IN	16.70	LF
0355	00522	STORM SEWER PIPE-18 IN	692.90	LF
0360	00524	STORM SEWER PIPE-24 IN	16.00	LF
0365	00529	STORM SEWER PIPE-42 IN	28.70	LF
0370	00530	STORM SEWER PIPE-48 IN	170.90	LF
0375	01005	PERFORATED PIPE EDGE DRAIN-4 IN	9,495.00	LF
0380	01010	NON-PERFORATED PIPE-4 IN	221.00	LF
0385	01015	INSPECT & CERTIFY EDGE DRAIN SYSTEM	1.00	LS
0390	01020	PERF PIPE HEADWALL TY 1-4 IN	3.00	EACH
0395	01024	PERF PIPE HEADWALL TY 2-4 IN	3.00	EACH
0400	01028	PERF PIPE HEADWALL TY 3-4 IN	2.00	EACH
0405	01032	PERF PIPE HEADWALL TY 4-4 IN	4.00	EACH
0410	01204	PIPE CULVERT HEADWALL-18 IN	2.00	EACH
0415	01208	PIPE CULVERT HEADWALL-24 IN	1.00	EACH
0420	01210	PIPE CULVERT HEADWALL-30 IN	2.00	EACH
0425	01212	PIPE CULVERT HEADWALL-36 IN	1.00	EACH
0430	01214	PIPE CULVERT HEADWALL-42 IN	1.00	EACH
0435	01450	S & F BOX INLET-OUTLET-18 IN	1.00	EACH
0440	01453	S & F BOX INLET-OUTLET-36 IN	1.00	EACH
0445	01490	DROP BOX INLET TYPE 1	1.00	EACH
0450	01559	DROP BOX INLET TYPE 13G	11.00	EACH
0455	01580	DROP BOX INLET TYPE 15	3.00	EACH
0460	01619	CONC MED BARR BOX INLET TY 9A1	1.00	EACH

## MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0465	01642	JUNCTION BOX-18 IN	1.00	EACH
0470	01646	JUNCTION BOX-42 IN	2.00	EACH
0475	01647	JUNCTION BOX-48 IN	13.00	EACH
0480	01740	CORED HOLE DRAINAGE BOX CON-4 IN	16.00	EACH
0485	02159	TEMP DITCH	6,220.00	LF
0490	02160	CLEAN TEMP DITCH	3,110.00	LF
0495	02483	CHANNEL LINING CLASS II	1,437.00	TON
0500	02484	CHANNEL LINING CLASS III	10.00	TON
0505	02600	FABRIC GEOTEXTILE TY IV FOR PIPE	720.00	SQYD
0510	02701	TEMP SILT FENCE	6,220.00	LF
0515	02703	SILT TRAP TYPE A	20.00	EACH
0520	02704	SILT TRAP TYPE B	20.00	EACH
0525	02705	SILT TRAP TYPE C	20.00	EACH
0530	02706	CLEAN SILT TRAP TYPE A	20.00	EACH
0535	02707	CLEAN SILT TRAP TYPE B	20.00	EACH
0540	02708	CLEAN SILT TRAP TYPE C	20.00	EACH
0545	05950	EROSION CONTROL BLANKET	3,739.00	SQYD
0550	05952	TEMP MULCH	62,200.00	SQYD
0555	05953	TEMP SEEDING AND PROTECTION	46,600.00	SQYD
0560	05963	INITIAL FERTILIZER	1.80	TON
0565	05964	20-10-10 FERTILIZER	3.00	TON
0570	05985	SEEDING AND PROTECTION	53,000.00	SQYD
0575	05989	SPECIAL SEEDING CROWN VETCH	12,200.00	SQYD
0580	05992	AGRICULTURAL LIMESTONE	33.00	TON
0585	22620NN	CONC MED BARR BOX INLET TY 12A1-50	1.00	EACH
0590	23611NN	CONC MED BAR BOX INLET TY 12B1-50	4.00	EACH
0595	24026EC	PIPE CULVERT HEADWALL-54 IN	1.00	EACH
0600	24814EC	PIPELINE INSPECTION	970.00	LF
0605	02231	STRUCTURE GRANULAR BACKFILL	119.00	CUYD
0610	02403	REMOVE CONCRETE MASONRY	86.20	CUYD
0615	02599	FABRIC-GEOTEXTILE TYPE IV	119.00	SQYD
0620	02998	MASONRY COATING	766.70	SQYD
0625	03299	ARMORED EDGE FOR CONCRETE	25.00	LF
0630	08001	STRUCTURE EXCAVATION-COMMON	265.10	CUYD
0635	08020	CRUSHED AGGREGATE SLOPE PROT	55.00	TON
0640	08033	TEST PILES	156.00	LF
0645	08046	PILES-STEEL HP12X53	465.00	LF
0650	08094	PILE POINTS-12 IN	33.00	EACH
0655	08100	CONCRETE-CLASS A	93.20	CUYD
0660	08104	CONCRETE-CLASS AA	129.50	CUYD
0665	08150	STEEL REINFORCEMENT	15,842.00	LB
0670	08151	STEEL REINFORCEMENT-EPOXY COATED	41,245.00	LB
0675	08500	APPROACH SLAB	62.20	SQYD
0680	08634	PRECAST PC I BEAM TYPE 4	609.00	LF
0685	21532ED	RAIL SYSTEM TYPE III	308.00	LF
0690	23331EC	EPOXY-URETHANE WATERPROOFING - 3/8 IN	3,339.00	SQFT
0695	08100	CONCRETE-CLASS A	16.30	CUYD
0700	08150	STEEL REINFORCEMENT	2,156.00	LB
0705	08003	FOUNDATION PREPARATION	1.00	LS
0710	21532ED	RAIL SYSTEM TYPE III	20.00	LF

## MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0715	08100	CONCRETE-CLASS A	61.60	CUYD
0720	08150	STEEL REINFORCEMENT	6,881.00	LB
0725	08003	FOUNDATION PREPARATION	1.00	LS
0730	08002	STRUCTURE EXCAV-SOLID ROCK	3.90	CUYD
0735	21532ED	RAIL SYSTEM TYPE III	39.00	LF
0740	02223	GRANULAR EMBANKMENT	2,207.00	CUYD
0745	02998	MASONRY COATING	801.00	SQYD
0750	08018	RETAINING WALL	6,201.00	SQFT
0755	08003	FOUNDATION PREPARATION	1.00	LS
0760	02223	GRANULAR EMBANKMENT	380.00	CUYD
0765	02998	MASONRY COATING	177.00	SQYD
0770	08002	STRUCTURE EXCAV-SOLID ROCK	2.00	CUYD
0775	08003	FOUNDATION PREPARATION	1.00	LS
0780	08018	RETAINING WALL	1,050.00	SQFT
0785	02403	REMOVE CONCRETE MASONRY	127.00	CUYD
0790	21532ED	RAIL SYSTEM TYPE III	106.00	LF
0795	02562	TEMPORARY SIGNS	800.00	SQFT
0800	06400	GMSS GALV STEEL TYPE A	342.00	LB
0805	06401	FLEXIBLE DELINEATOR POST-M/W	64.00	EACH
0810	06404	FLEXIBLE DELINEATOR POST-M/Y	30.00	EACH
0815	06405	SBM ALUMINUM PANEL SIGNS	2,044.80	SQFT
0820	06406	SBM ALUM SHEET SIGNS .080 IN	45.00	SQFT
0825	06407	SBM ALUM SHEET SIGNS .125 IN	200.30	SQFT
0830	06410	STEEL POST TYPE 1	458.00	LF
0835	06415	OSS GALV STEEL CANTILEVER	1.00	EACH
0840	06441	GMSS GALV STEEL TYPE C	1,408.00	LB
0845	06449	REM OVERHEAD SIGN SUPPORT STR	1.00	EACH
0850	06450	REM OVERHEAD STRUC CONC BASE	1.00	EACH
0855	06451	REMOVE SIGN SUPPORT BEAM	4.00	EACH
0860	06455	OSS ALUMINUM 100 FT TRUSS	1.00	EACH
0865	06490	CLASS A CONCRETE FOR SIGNS	8.18	CUYD
0870	06491	STEEL REINFORCEMENT FOR SIGNS	248.00	LB
0875	20418ED	REMOVE & RELOCATE SIGNS	2.00	EACH
0880	20419ND	ROADWAY CROSS SECTION	4.00	EACH
0885	21373ND	REMOVE SIGN	9.00	EACH
0890	21596ND	GMSS TYPE D	10.00	EACH
0895	24631EC	BARCODE SIGN INVENTORY	16.00	EACH
0900	04740	POLE BASE - (REVISED: 4-16-18)	3.00	EACH
0905	04780	FUSED CONNECTOR KIT	14.00	EACH
0910	04797	CONDUIT-3 IN	180.00	LF
0915	04800	MARKER	17.00	EACH
0920	04810	ELECTRICAL JUNCTION BOX - 24"	3.00	EACH
0925	04820	TRENCHING AND BACKFILLING	8,700.00	LF
0930	04833	WIRE-NO. 8	2,703.00	LF
0935	04834	WIRE-NO. 6 - (REVISED: 4-23-18)	324.00	LF
0940	04940	REMOVE LIGHTING	1.00	LS
0945	04942	REMOVE STORE & REINSTALL POLE	5.00	EACH
0950	20391NS835	ELECTRICAL JUNCTION BOX TYPE A	3.00	EACH
0955	20392NS835	ELECTRICAL JUNCTION BOX TYPE C	13.00	EACH
0960	21543EN	BORE AND JACK CONDUIT	180.00	LF

## MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0965	24589ED	LED LUMINAIRE	104.00	EACH
0970	24901EC	PVC CONDUIT-2 IN-SCHEDULE 80	650.00	LF
0975	20257NC	SITE PREPARATION	1.00	LS
0980	04795	CONDUIT-2 IN	150.00	LF
0985	24901EC	PVC CONDUIT-2 IN-SCHEDULE 80	1,020.00	LF
0990	20391NS835	ELECTRICAL JUNCTION BOX TYPE A	4.00	EACH
0995	04820	TRENCHING AND BACKFILLING	540.00	LF
1000	04835	WIRE-NO. 4	1,800.00	LF
1005	23157EN	TRAFFIC SIGNAL POLE BASE	4.32	CUYD
1010	23941EC	VIDEO SURVEILLANCE CONTROLLER	1.00	EACH
1015	21058ND	WINCH LOWERING TOOL	1.00	EACH
1020	22403NN	WEB CAMERA ASSEMBLY	1.00	EACH
1025	21066ND	MODEL 336 ENCLOSURE	1.00	EACH
1030	23151NN	POLE WITH LOWERING DEVICE	1.00	EACH
1035	21069ND	SURGE DEVICE 120 VOLT	1.00	EACH
1040	21071ND	DATA SURGE DEVICE	1.00	EACH
1045	23150NN	COMMUNICATION CABLE	40.00	LF
1050	04899	ELECTRICAL SERVICE	1.00	EACH
1055	21489ND	RACK MOUNTED UPS	1.00	EACH
1060	23944EC	ADVANCED GROUNDING SYSTEM	2.00	EACH
1065	21543EN	BORE AND JACK CONDUIT	150.00	LF
1070	02568	MOBILIZATION	1.00	LS
1075	02569	DEMOBILIZATION	1.00	LS
1080	04741	POLE BASE IN MEDIAN WALL - (ADDED: 4-16-18)	2.00	EACH
1085	22939ND	INSTALL LUMINAIRE POLE - (ADDED: 4-16-18)	5.00	EACH
1090	04861	CABLE-NO. 6/3C DUCTED - (ADDED: 4-23-18)	5,397.00	LF
1095	04862	CABLE-NO. 4/3C DUCTED - (ADDED: 4-23-18)	5,504.00	LF

# MATERIAL SUMMARY

**CONTRACT ID: 181011**

**056GR18D011-NHPP IM**

**DE05600641812**

I-64 JPC REPAIR AND DIAMOND GRIND ON I-64 FROM 0.129 MILE EAST OF KY-1932(BRECKENRIDGE LANE) (MP 11.574) TO 0.412 MILE WEST OF OXMOOR AVE(MP 13.160) IN JEFFERSON COUNTY JPC PAVEMENT REPAIRS - DIAMOND GRINDING, A DISTANCE OF 1.6 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
1100	02058	REMOVE PCC PAVEMENT	3,365.00	SQYD
1105	02071	JPC PAVEMENT-11 IN	3,365.00	SQYD
1110	02110	PARTIAL DEPTH PATCHING	200.00	CUFT
1115	02115	SAW-CLEAN-RESEAL TVERSE JOINT	59,144.00	LF
1120	02116	SAW-CLEAN-RESEAL LONGIT JOINT	47,315.00	LF
1125	21173EC	SAW-CLEAN-RESEAL RANDOM CRACKS	5,421.00	LF
1130	02562	TEMPORARY SIGNS	750.00	SQFT
1135	02650	MAINTAIN & CONTROL TRAFFIC	1.00	LS
1140	02671	PORTABLE CHANGEABLE MESSAGE SIGN	4.00	EACH
1145	02775	ARROW PANEL	4.00	EACH
1150	06511	PAVE STRIPING-TEMP PAINT-6 IN	45,000.00	LF
1155	06549	PAVE STRIPING-TEMP REM TAPE-B	1,000.00	LF
1160	06550	PAVE STRIPING-TEMP REM TAPE-W	1,000.00	LF
1165	06551	PAVE STRIPING-TEMP REM TAPE-Y	1,000.00	LF
1170	06592	PAVEMENT MARKER TYPE V-B W/R	20.00	EACH
1175	24189ER	DURABLE WATERBORNE MARKING-6 IN W	24,000.00	LF
1180	24190ER	DURABLE WATERBORNE MARKING-6 IN Y	16,000.00	LF
1185	24191ER	DURABLE WATERBORNE MARKING-12 IN W	5,000.00	LF
1190	02569	DEMOBILIZATION	1.00	LS

# PROPOSAL BID ITEMS

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## Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00001		DGA BASE	16,897.00	TON		\$	
0020	00003		CRUSHED STONE BASE	462.00	TON		\$	
0030	00008		CEMENT STABILIZED ROADBED	32,748.00	SQYD		\$	
0040	00022		JPC PAVEMENT DRAINAGE BLANKET	6,549.00	TON		\$	
0050	00100		ASPHALT SEAL AGGREGATE	86.00	TON		\$	
0060	00103		ASPHALT SEAL COAT	10.30	TON		\$	
0070	00212		CL2 ASPH BASE 1.00D PG64-22	946.00	TON		\$	
0080	00339		CL3 ASPH SURF 0.38D PG64-22	102.00	TON		\$	
0090	00356		ASPHALT MATERIAL FOR TACK	2.40	TON		\$	
0100	00358		ASPHALT CURING SEAL	83.40	TON		\$	
0110	02058		REMOVE PCC PAVEMENT	3,365.00	SQYD		\$	
0120	02071		JPC PAVEMENT-11 IN	25,451.00	SQYD		\$	
0130	02072		JPC PAVEMENT-11 IN SHLD	10,660.00	SQYD		\$	
0140	02110		PARTIAL DEPTH PATCHING	200.00	CUFT		\$	
0150	02115		SAW-CLEAN-RESEAL TVERSE JOINT	59,144.00	LF		\$	
0160	02116		SAW-CLEAN-RESEAL LONGIT JOINT	47,315.00	LF		\$	
0170	02542		CEMENT	831.00	TON		\$	
0180	02702		SAND FOR BLOTTER	232.00	TON		\$	
0190	21173EC		SAW-CLEAN-RESEAL RANDOM CRACKS	5,421.00	LF		\$	

## Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0200	00021		DRAINAGE BLANKET-EMBANKMENT	5,050.00	CUYD		\$	
0210	01310		REMOVE PIPE	924.00	LF		\$	
0220	01584		CAP DROP BOX INLET	5.00	EACH		\$	
0230	01585		REMOVE DROP BOX INLET	8.00	EACH		\$	
0240	01953		CONC MEDIAN BARRIER TYPE 12B2	1,886.00	LF		\$	
0250	01982		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	69.00	EACH		\$	
0260	01984		DELINEATOR FOR BARRIER - WHITE	35.00	EACH		\$	
0280	02003		RELOCATE TEMP CONC BARRIER	3,300.00	LF		\$	
0290	02184		BACKFILLING	400.00	CUYD		\$	
0300	02200		ROADWAY EXCAVATION	27,833.00	CUYD		\$	
0310	02242		WATER	500.00	MGAL		\$	
0320	02265		REMOVE FENCE	1,429.00	LF		\$	
0330	02267		REMOVE & RESET FENCE	289.00	LF		\$	
0340	02268		REMOVE & REPLACE FENCE	25.00	LF		\$	
0350	02273		FENCE-4 FT CHAIN LINK	672.00	LF		\$	
0360	02274		FENCE-6 FT CHAIN LINK	815.00	LF		\$	
0370	02287		DOUBLE VEHICULAR CHAIN LINK GATE	1.00	EACH		\$	
0380	02351		GUARDRAIL-STEEL W BEAM-S FACE	4,437.00	LF		\$	
0390	02363		GUARDRAIL CONNECTOR TO BRIDGE END TY A	3.00	EACH		\$	
0400	02369		GUARDRAIL END TREATMENT TYPE 2A	4.00	EACH		\$	
0410	02381		REMOVE GUARDRAIL	4,832.00	LF		\$	



### PROPOSAL BID ITEMS

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0420	02387		GUARDRAIL CONNECTOR TO BRIDGE END TY A-1	3.00	EACH		\$	
0430	02391		GUARDRAIL END TREATMENT TYPE 4A	3.00	EACH		\$	
0440	02429		RIGHT-OF-WAY MONUMENT TYPE 1	16.00	EACH		\$	
0450	02432		WITNESS POST	8.00	EACH		\$	
0460	02545		CLEARING AND GRUBBING 19.3 ACRES	1.00	LS		\$	
0470	02562		TEMPORARY SIGNS	750.00	SQFT		\$	
0480	02599		FABRIC-GEOTEXTILE TYPE IV	15,140.00	SQYD		\$	
0490	02625		REMOVE HEADWALL	10.00	EACH		\$	
0500	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0510	02653		LANE CLOSURE	2.00	EACH		\$	
0520	02671		PORTABLE CHANGEABLE MESSAGE SIGN	6.00	EACH		\$	
0530	02695		RUMBLE STRIPS TYPE 3	280.00	LF		\$	
0540	02726		STAKING	1.00	LS		\$	
0550	02775		ARROW PANEL	6.00	EACH		\$	
0560	02898		RELOCATE CRASH CUSHION	6.00	EACH		\$	
0570	03171		CONCRETE BARRIER WALL TYPE 9T	11,500.00	LF		\$	
0580	06511		PAVE STRIPING-TEMP PAINT-6 IN	110,000.00	LF		\$	
0590	06549		PAVE STRIPING-TEMP REM TAPE-B	1,000.00	LF		\$	
0600	06550		PAVE STRIPING-TEMP REM TAPE-W	1,000.00	LF		\$	
0610	06551		PAVE STRIPING-TEMP REM TAPE-Y	1,000.00	LF		\$	
0620	06556		PAVE STRIPING-DUR TY 1-6 IN W	14,031.00	LF		\$	
0630	06557		PAVE STRIPING-DUR TY 1-6 IN Y	4,192.00	LF		\$	
0640	06560		PAVE STRIPING-DUR TY 1-12 IN W	5,393.00	LF		\$	
0650	06589		PAVEMENT MARKER TYPE V-MW	109.00	EACH		\$	
0660	06592		PAVEMENT MARKER TYPE V-B W/R	439.00	EACH		\$	
0670	06593		PAVEMENT MARKER TYPE V-B Y/R	47.00	EACH		\$	
0680	08903		CRASH CUSHION TY VI CLASS BT TL3	6.00	EACH		\$	
0690	10020NS		FUEL ADJUSTMENT	37,164.00	DOLL	\$1.00	\$	\$37,164.00
0700	20411ED		LAW ENFORCEMENT OFFICER	200.00	HOURL		\$	
0710	20550ND		SAWCUT PAVEMENT	9,710.00	LF		\$	
0720	20591EC		REMOVE BARRIER	1,069.00	LF		\$	
0730	21597EN		REMOVE PERF PIPE HEADWALL	15.00	EACH		\$	
0740	23335EC		CONCRETE MEDIAN BARRIER TY 9B2	709.00	LF		\$	
0750	24189ER		DURABLE WATERBORNE MARKING-6 IN W	24,000.00	LF		\$	
0760	24190ER		DURABLE WATERBORNE MARKING-6 IN Y	16,000.00	LF		\$	
0770	24191ER		DURABLE WATERBORNE MARKING-12 IN W	5,000.00	LF		\$	

### Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0780	00078		CRUSHED AGGREGATE SIZE NO 2	12.00	TON		\$	
0790	00466		CULVERT PIPE-30 IN	24.00	LF		\$	
0800	00468		CULVERT PIPE-36 IN	12.00	LF		\$	
0810	00471		CULVERT PIPE-54 IN	8.00	LF		\$	
0820	00496		CULVERT PIPE-36 IN EQUIV	16.00	LF		\$	
0830	00521		STORM SEWER PIPE-15 IN	16.70	LF		\$	
0840	00522		STORM SEWER PIPE-18 IN	692.90	LF		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0850	00524		STORM SEWER PIPE-24 IN	16.00	LF		\$	
0860	00529		STORM SEWER PIPE-42 IN	28.70	LF		\$	
0870	00530		STORM SEWER PIPE-48 IN	170.90	LF		\$	
0880	01005		PERFORATED PIPE EDGE DRAIN-4 IN	9,495.00	LF		\$	
0890	01010		NON-PERFORATED PIPE-4 IN	221.00	LF		\$	
0900	01015		INSPECT & CERTIFY EDGE DRAIN SYSTEM	1.00	LS		\$	
0910	01020		PERF PIPE HEADWALL TY 1-4 IN	3.00	EACH		\$	
0920	01024		PERF PIPE HEADWALL TY 2-4 IN	3.00	EACH		\$	
0930	01028		PERF PIPE HEADWALL TY 3-4 IN	2.00	EACH		\$	
0940	01032		PERF PIPE HEADWALL TY 4-4 IN	4.00	EACH		\$	
0950	01204		PIPE CULVERT HEADWALL-18 IN	2.00	EACH		\$	
0960	01208		PIPE CULVERT HEADWALL-24 IN	1.00	EACH		\$	
0970	01210		PIPE CULVERT HEADWALL-30 IN	2.00	EACH		\$	
0980	01212		PIPE CULVERT HEADWALL-36 IN	1.00	EACH		\$	
0990	01214		PIPE CULVERT HEADWALL-42 IN	1.00	EACH		\$	
1000	01450		S & F BOX INLET-OUTLET-18 IN	1.00	EACH		\$	
1010	01453		S & F BOX INLET-OUTLET-36 IN	1.00	EACH		\$	
1020	01490		DROP BOX INLET TYPE 1	1.00	EACH		\$	
1030	01559		DROP BOX INLET TYPE 13G	11.00	EACH		\$	
1040	01580		DROP BOX INLET TYPE 15	3.00	EACH		\$	
1050	01619		CONC MED BARR BOX INLET TY 9A1	1.00	EACH		\$	
1060	01642		JUNCTION BOX-18 IN	1.00	EACH		\$	
1070	01646		JUNCTION BOX-42 IN	2.00	EACH		\$	
1080	01647		JUNCTION BOX-48 IN	13.00	EACH		\$	
1090	01740		CORED HOLE DRAINAGE BOX CON-4 IN	16.00	EACH		\$	
1100	02159		TEMP DITCH	6,220.00	LF		\$	
1110	02160		CLEAN TEMP DITCH	3,110.00	LF		\$	
1120	02483		CHANNEL LINING CLASS II	1,437.00	TON		\$	
1130	02484		CHANNEL LINING CLASS III	10.00	TON		\$	
1140	02600		FABRIC GEOTEXTILE TY IV FOR PIPE	720.00	SQYD	\$2.00	\$	\$1,440.00
1150	02701		TEMP SILT FENCE	6,220.00	LF		\$	
1160	02703		SILT TRAP TYPE A	20.00	EACH		\$	
1170	02704		SILT TRAP TYPE B	20.00	EACH		\$	
1180	02705		SILT TRAP TYPE C	20.00	EACH		\$	
1190	02706		CLEAN SILT TRAP TYPE A	20.00	EACH		\$	
1200	02707		CLEAN SILT TRAP TYPE B	20.00	EACH		\$	
1210	02708		CLEAN SILT TRAP TYPE C	20.00	EACH		\$	
1220	05950		EROSION CONTROL BLANKET	3,739.00	SQYD		\$	
1230	05952		TEMP MULCH	62,200.00	SQYD		\$	
1240	05953		TEMP SEEDING AND PROTECTION	46,600.00	SQYD		\$	
1250	05963		INITIAL FERTILIZER	1.80	TON		\$	
1260	05964		20-10-10 FERTILIZER	3.00	TON		\$	
1270	05985		SEEDING AND PROTECTION	53,000.00	SQYD		\$	
1280	05989		SPECIAL SEEDING CROWN VETCH	12,200.00	SQYD		\$	
1290	05992		AGRICULTURAL LIMESTONE	33.00	TON		\$	
1300	22620NN		CONC MED BARR BOX INLET TY 12A1-50	1.00	EACH		\$	
1310	23611NN		CONC MED BAR BOX INLET TY 12B1-50	4.00	EACH		\$	
1320	24026EC		PIPE CULVERT HEADWALL-54 IN	1.00	EACH		\$	
1330	24814EC		PIPELINE INSPECTION	970.00	LF		\$	

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### Section: 0004 - BRIDGE-25979

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1340	02231		STRUCTURE GRANULAR BACKFILL	119.00	CUYD		\$	
1350	02403		REMOVE CONCRETE MASONRY	86.20	CUYD		\$	
1360	02599		FABRIC-GEOTEXTILE TYPE IV	119.00	SQYD		\$	
1370	02998		MASONRY COATING	766.70	SQYD		\$	
1380	03299		ARMORED EDGE FOR CONCRETE	25.00	LF		\$	
1390	08001		STRUCTURE EXCAVATION-COMMON	265.10	CUYD		\$	
1400	08020		CRUSHED AGGREGATE SLOPE PROT	55.00	TON		\$	
1410	08033		TEST PILES	156.00	LF		\$	
1420	08046		PILES-STEEL HP12X53	465.00	LF		\$	
1430	08094		PILE POINTS-12 IN	33.00	EACH		\$	
1440	08100		CONCRETE-CLASS A	93.20	CUYD		\$	
1450	08104		CONCRETE-CLASS AA	129.50	CUYD		\$	
1460	08150		STEEL REINFORCEMENT	15,842.00	LB		\$	
1470	08151		STEEL REINFORCEMENT-EPOXY COATED	41,245.00	LB		\$	
1480	08500		APPROACH SLAB	62.20	SQYD		\$	
1490	08634		PRECAST PC I BEAM TYPE 4	609.00	LF		\$	
1500	21532ED		RAIL SYSTEM TYPE III	308.00	LF		\$	
1510	23331EC		EPOXY-URETHANE WATERPROOFING 3/8 IN	3,339.00	SQFT		\$	

### Section: 0005 - BRIDGE-CULVERT 26543

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1520	08003		FOUNDATION PREPARATION	1.00	LS		\$	
1530	08100		CONCRETE-CLASS A	16.30	CUYD		\$	
1540	08150		STEEL REINFORCEMENT	2,156.00	LB		\$	
1550	21532ED		RAIL SYSTEM TYPE III	20.00	LF		\$	

### Section: 0006 - BRIDGE-CULVERT 26544

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1560	08002		STRUCTURE EXCAV-SOLID ROCK	3.90	CUYD		\$	
1570	08003		FOUNDATION PREPARATION	1.00	LS		\$	
1580	08100		CONCRETE-CLASS A	61.60	CUYD		\$	
1590	08150		STEEL REINFORCEMENT	6,881.00	LB		\$	
1600	21532ED		RAIL SYSTEM TYPE III	39.00	LF		\$	

### Section: 0007 - BRIDGE-RETAINING WALL 27655

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1610	02223		GRANULAR EMBANKMENT	2,207.00	CUYD		\$	
1620	02998		MASONRY COATING	801.00	SQYD		\$	
1630	08003		FOUNDATION PREPARATION	1.00	LS		\$	

**PROPOSAL BID ITEMS**

REVISED ADDENDUM #2: 4-23-18

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1640	08018		RETAINING WALL	6,201.00	SQFT		\$	

**Section: 0008 - BRIDGE-RETAINING WALL 27656**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1650	02223		GRANULAR EMBANKMENT	380.00	CUYD		\$	
1660	02403		REMOVE CONCRETE MASONRY	127.00	CUYD		\$	
1670	02998		MASONRY COATING	177.00	SQYD		\$	
1680	08002		STRUCTURE EXCAV-SOLID ROCK	2.00	CUYD		\$	
1690	08003		FOUNDATION PREPARATION	1.00	LS		\$	
1700	08018		RETAINING WALL	1,050.00	SQFT		\$	
1710	21532ED		RAIL SYSTEM TYPE III	106.00	LF		\$	

**Section: 0009 - SIGNING**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1720	02562		TEMPORARY SIGNS	800.00	SQFT		\$	
1730	06400		GMSS GALV STEEL TYPE A	342.00	LB		\$	
1740	06401		FLEXIBLE DELINEATOR POST-M/W	64.00	EACH		\$	
1750	06404		FLEXIBLE DELINEATOR POST-M/Y	30.00	EACH		\$	
1760	06405		SBM ALUMINUM PANEL SIGNS	2,044.80	SQFT		\$	
1770	06406		SBM ALUM SHEET SIGNS .080 IN	45.00	SQFT		\$	
1780	06407		SBM ALUM SHEET SIGNS .125 IN	200.30	SQFT		\$	
1790	06410		STEEL POST TYPE 1	458.00	LF		\$	
1800	06415		OSS GALV STEEL CANTILEVER	1.00	EACH		\$	
1810	06441		GMSS GALV STEEL TYPE C	1,408.00	LB		\$	
1820	06449		REM OVERHEAD SIGN SUPPORT STR	1.00	EACH		\$	
1830	06450		REM OVERHEAD STRUC CONC BASE	1.00	EACH		\$	
1840	06451		REMOVE SIGN SUPPORT BEAM	4.00	EACH		\$	
1850	06455		OSS ALUMINUM 100 FT TRUSS	1.00	EACH		\$	
1860	06490		CLASS A CONCRETE FOR SIGNS	8.18	CUYD		\$	
1870	06491		STEEL REINFORCEMENT FOR SIGNS	248.00	LB		\$	
1880	20418ED		REMOVE & RELOCATE SIGNS	2.00	EACH		\$	
1890	20419ND		ROADWAY CROSS SECTION	4.00	EACH		\$	
1900	21373ND		REMOVE SIGN	9.00	EACH		\$	
1910	21596ND		GMSS TYPE D	10.00	EACH		\$	
1920	24631EC		BARCODE SIGN INVENTORY	16.00	EACH		\$	

**Section: 0010 - LIGHTING**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1930	04740		POLE BASE (REVISED: 4-16-18)	3.00	EACH		\$	
1931	04741		POLE BASE IN MEDIAN WALL (ADDED: 4-16-18)	2.00	EACH		\$	
1940	04780		FUSED CONNECTOR KIT	14.00	EACH		\$	

### PROPOSAL BID ITEMS

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1950	04797		CONDUIT-3 IN	180.00	LF		\$	
1960	04800		MARKER	17.00	EACH		\$	
1970	04810		ELECTRICAL JUNCTION BOX 24"	3.00	EACH		\$	
1980	04820		TRENCHING AND BACKFILLING	8,700.00	LF		\$	
1990	04833		WIRE-NO. 8	2,703.00	LF		\$	
2000	04834		WIRE-NO. 6 (REVISED: 4-23-18)	324.00	LF		\$	
2020	04940		REMOVE LIGHTING	1.00	LS		\$	
2030	04942		REMOVE STORE & REINSTALL POLE	5.00	EACH		\$	
2040	20391NS835		ELECTRICAL JUNCTION BOX TYPE A	3.00	EACH		\$	
2050	20392NS835		ELECTRICAL JUNCTION BOX TYPE C	13.00	EACH		\$	
2052	04861		CABLE-NO. 6/3C DUCTED (ADDED: 4-23-18)	5,397.00	LF		\$	
2053	04862		CABLE-NO. 4/3C DUCTED (ADDED: 4-23-18)	5,504.00	LF		\$	
2060	21543EN		BORE AND JACK CONDUIT	180.00	LF		\$	
2065	22939ND		INSTALL LUMINAIRE POLE (ADDED: 4-16-18)	5.00	EACH		\$	
2070	24589ED		LED LUMINAIRE	104.00	EACH		\$	
2080	24901EC		PVC CONDUIT-2 IN-SCHEDULE 80	650.00	LF		\$	

### Section: 0011 - INTELLIGENT TRANSPORTATION SYSTEMS

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2090	04795		CONDUIT-2 IN	150.00	LF		\$	
2100	04820		TRENCHING AND BACKFILLING	540.00	LF		\$	
2110	04835		WIRE-NO. 4	1,800.00	LF		\$	
2120	04899		ELECTRICAL SERVICE	1.00	EACH		\$	
2130	20257NC		SITE PREPARATION	1.00	LS		\$	
2140	20391NS835		ELECTRICAL JUNCTION BOX TYPE A	4.00	EACH		\$	
2150	21058ND		WINCH LOWERING TOOL	1.00	EACH		\$	
2160	21066ND		MODEL 336 ENCLOSURE	1.00	EACH		\$	
2170	21069ND		SURGE DEVICE 120 VOLT	1.00	EACH		\$	
2180	21071ND		DATA SURGE DEVICE	1.00	EACH		\$	
2190	21489ND		RACK MOUNTED UPS	1.00	EACH		\$	
2200	21543EN		BORE AND JACK CONDUIT	150.00	LF		\$	
2210	22403NN		WEB CAMERA ASSEMBLY	1.00	EACH		\$	
2220	23150NN		COMMUNICATION CABLE	40.00	LF		\$	
2230	23151NN		POLE WITH LOWERING DEVICE	1.00	EACH		\$	
2240	23157EN		TRAFFIC SIGNAL POLE BASE	4.32	CUYD		\$	
2250	23941EC		VIDEO SURVEILLANCE CONTROLLER	1.00	EACH		\$	
2260	23944EC		ADVANCED GROUNDING SYSTEM	2.00	EACH		\$	
2270	24901EC		PVC CONDUIT-2 IN-SCHEDULE 80	1,020.00	LF		\$	

### Section: 0012 - DEMOBILIZATION &/OR MOBILIZATION

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
2280	02568		MOBILIZATION	1.00	LS		\$	
2290	02569		DEMOBILIZATION	1.00	LS		\$	



**GENERAL SUMMARY (SHEET 1 OF 2)**

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-159.00	R2G

REVISED 04-18-2018

**NOTES:**

- ① THE CONTRACTOR IS ADVISED THAT THE TOTAL EARTHWORK QUANTITIES SHOWN ARE FOR INFORMATION PURPOSES ONLY. ASSUMPTIONS FOR SHRINKAGE AND SWELL FACTORS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- EXCAVATION:
  - 18,272 CU. YD. COMMON
  - 792 CU. YD. SURFACE DITCHES
  - 0 CU. YD. ROCK
  - 8,517 CU. YD. EMBANKMENT BENCHES
  - 0 CU. YD. TRANSVERSE BENCHES
- 27,581 CU. YD. TOTAL EXCAVATION
- EMBANKMENT:
  - 9,956 CU. YD. EMBANKMENT
  - 8,517 CU. YD. EMBANKMENT BENCHES
  - 0 CU. YD. TRANSVERSE BENCHES
- 18,473 CU. YD. TOTAL EMBANKMENT
- EXCESS EXCAVATION: 9,194 CU. YD.
- ② FROM PERFORATED PIPE DRAINAGE SUMMARY.
- ③ INCLUDES 10 TONS FROM PIPE DRAINAGE SUMMARY.
- ④ FOR TEMPORARY CONSTRUCTION.
- ⑤ FOR CONTROLLING DUST CAUSED BY MAINTAINING TRAFFIC ONLY.
- ⑥ INCLUDES 20 TONS FROM PIPE DRAINAGE SUMMARY.
- ⑦ FOR TEMPORARY CONSTRUCTION AND MAINTENANCE OF TRAFFIC ONLY.
- ⑧ FOR WRAPPING PIPE TRENCH BACKFILL.
- ⑨ INCLUDES 48 LF FROM PIPE DRAINAGE SUMMARY.
- ⑩ AS NEEDED, AS DIRECTED BY THE ENGINEER.
- ⑪ REMOVAL OF EXISTING PIPES TO BE INCIDENTAL TO CLEARING AND GRUBBING, UNLESS OTHERWISE NOTED.
- ⑫ FOR EMBANKMENT BENCHES.
- ⑬ APPROXIMATELY 19.3 ACRES.
- ⑭ INCLUDES 8 EACH FROM PIPE DRAINAGE SUMMARY.
- ⑮ INCLUDES REMOVAL OF END TREATMENTS.
- ⑯ INCLUDES 5 EACH FROM PIPE DRAINAGE SUMMARY.
- ⑰ INCLUDES 1 EACH FROM PIPE DRAINAGE SUMMARY.
- ⑱ FOR LOCATIONS WHERE LARGE PIPES ARE BEING REMOVED.
- ⑲ PIPELINE INSPECTION IS FOR ALL CULVERT AND STORM SEWER PIPES LESS THAN 54".
- ⑳ FOR AREAS WHERE THE PROPOSED SHOULDER WILL BE USED TO MAINTAIN TRAFFIC DURING CONSTRUCTION.
- ㉑ FOR TOP OF RAMP 7 BARRIER WALL. INCLUDES ALL MATERIALS AND HARDWARE NECESSARY FOR ANCHORING FENCE TO TOP OF WALL.

ITEM	DESCRIPTION	NOTES	UNIT	1-264	RAMPS	TEMPORARY CONSTRUCTION												TOTAL PROJECT
00021	DRAINAGE BLANKET-EMBANKMENT		CUYD	700	4,350	-												5,050
00078	CRUSHED AGGREGATE SIZE NO 2	2	TONS	6	6	-												12
01005	PERFORATED PIPE EDGE DRAIN-4 IN	2	LF	5,684	3,811	-												9,495
01010	NON-PERFORATED PIPE-4 IN	2	LF	136	85	-												221
01015	INSPECT & CERTIFY EDGE DRAIN SYSTEM		LS	-	-	-												1
01020	PERF PIPE HEADWALL TY 1-4 IN	2	EACH	-	3	-												3
01024	PERF PIPE HEADWALL TY 2-4 IN	2	EACH	2	1	-												3
01028	PERF PIPE HEADWALL TY 3-4 IN	2	EACH	2	-	-												2
01032	PERF PIPE HEADWALL TY 4-4 IN	2	EACH	2	2	-												4
01310	REMOVE PIPE	9,11	LF	866	58	-												924
01584	CAP DROP BOX INLET	16	EACH	4	1	-												5
01585	REMOVE DROP BOX INLET	17	EACH	8	-	-												8
01740	CORED HOLE DRAINAGE BOX CON - 4 INCH	2	EACH	10	6	-												16
01953	CONC MEDIAN BARRIER TYPE 12B2(50)		LF	1,752	134	-												1,886
01982	DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE		EACH	13	56	-												69
01984	DELINEATOR FOR BARRIER WHITE		EACH	23	12	-												35
02003	RELOCATE TEMP CONC BARRIER	4	LF	-	-	3,300												3,300
02159	TEMP DITCH	7	LF	-	-	6,220												6,220
02160	CLEAN TEMP DITCH	7	LF	-	-	3,110												3,110
02184	BACKFILLING	18	CUYD	350	50	-												400
02200	ROADWAY EXCAVATION	1	CUYD	9,912	17,465	456												27,833
02242	WATER	5	MGAL	-	-	500												500
02265	REMOVE FENCE		LF	1,041	388	-												1,429
02267	REMOVE & RESET FENCE		LF	289	-	-												289
02268	REMOVE & REPLACE FENCE		LF	25	-	-												25
02273	FENCE-4 FT CHAIN LINK	21	LF	282	390	-												672
02274	FENCE-6 FT CHAIN LINK		LF	793	22	-												815
02287	DOUBLE VEHICULAR CHAIN LINK GATE		EACH	1	-	-												1
02351	GUARDRAIL-STEEL W BEAM-S FACE		LF	1,248	3,189	-												4,437
02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A		EACH	-	3	-												3
02369	GUARDRAIL END TREATMENT TYPE 2A		EACH	1	3	-												4
02381	REMOVE GUARDRAIL	15	LF	1,947	2,885	-												4,832
02387	GUARDRAIL CONNECTOR TO BRIDGE END TY A-1		EACH	-	3	-												3
02391	GUARDRAIL END TREATMENT TYPE 4A		EACH	2	1	-												3
02429	RIGHT-OF-WAY MONUMENT TYPE 1		EACH	16	-	-												16
02432	WITNESS POST	10	EACH	8	-	-												8
02483	CHANNEL LINING CLASS II	6	TON	307	1,130	-												1,437
02484	CHANNEL LINING CLASS III	3	TON	10	-	-												10
02545	CLEARING AND GRUBBING	11,13	LS	-	-	-												1
02562	SIGNS	4	SOYD	-	-	800												800
02568	MOBILIZATION		LS	-	-	-												1
02569	DEMOBILIZATION		LS	-	-	-												1
02599	FABRIC-GEOTEXTILE TYPE IV	12	SOYD	878	14,262	-												15,140
02600	FABRIC GEOTEXTILE TY IV FOR PIPE	8	SOYD	265	455	-												720
02625	REMOVE HEADWALL	14	EACH	5	5	-												10
02650	MAINTAIN & CONTROL TRAFFIC	4	LS	-	-	-												1
02653	LANE CLOSURE		EACH	-	-	2												2
02671	PORTABLE CHANGEABLE MESSAGE SIGN	7	EACH	-	-	2												2
02695	RUMBLE STRIPS TYPE 3	20	LF	-	-	280												280
02701	TEMP SILT FENCE		LF	-	-	6,220												6,220
02703	SILT TRAP TYPE A		EACH	-	-	20												20
02704	SILT TRAP TYPE B		EACH	-	-	20												20
02705	SILT TRAP TYPE C		EACH	-	-	20												20
02706	CLEAN SILT TRAP TYPE A		EACH	-	-	20												20
02707	CLEAN SILT TRAP TYPE B		EACH	-	-	20												20
02708	CLEAN SILT TRAP TYPE C		EACH	-	-	20												20

FILE NAME: J:\34683A 1-64 WB TO 1-264 WB\ULTIMATE CONSTRUCTION\CADD\SUMMARIES\GENERAL SUMMARY SHEET 1 OF 2.DGN

USER: defjon  
DATE PLOTTED: Apr-11-18, 2018

E-SHEET NAME:

MicroStation v8.11.7.443

**GENERAL SUMMARY (SHEET 1 OF 2)**

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-159.00	R2G

ITEM	DESCRIPTION	NOTES	UNIT	I-264	RAMPS	TEMPORARY CONSTRUCTION											TOTAL PROJECT
00021	DRAINAGE BLANKET-EMBANKMENT		CUYD	700	4,350	-											5,050
00078	CRUSHED AGGREGATE SIZE NO 2	2	TONS	6	6	-											12
01005	PERFORATED PIPE EDGE DRAIN-4 IN	2	LF	5,684	3,811	-											9,495
01010	NON-PERFORATED PIPE-4 IN	2	LF	136	85	-											221
01015	INSPECT & CERTIFY EDGE DRAIN SYSTEM		LS	-	-	-											1
01020	PERF PIPE HEADWALL TY 1-4 IN	2	EACH	-	3	-											3
01024	PERF PIPE HEADWALL TY 2-4 IN	2	EACH	2	1	-											3
01028	PERF PIPE HEADWALL TY 3-4 IN	2	EACH	2	-	-											2
01032	PERF PIPE HEADWALL TY 4-4 IN	2	EACH	2	2	-											4
01310	REMOVE PIPE	9,11	LF	866	58	-											924
01584	CAP DROP BOX INLET	16	EACH	4	1	-											5
01585	REMOVE DROP BOX INLET	17	EACH	8	-	-											8
01740	CORED HOLE DRAINAGE BOX CON - 4 INCH	2	EACH	10	6	-											16
01953	CONC MEDIAN BARRIER TYPE 12B2(50)		LF	1,752	134	-											1,886
01982	DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE		EACH	13	56	-											69
01984	DELINEATOR FOR BARRIER - WHITE		EACH	23	12	-											35
02003	RELOCATE TEMP CONC BARRIER	4	LF	-	-	3,300											3,300
02159	TEMP DITCH	7	LF	-	-	6,220											6,220
02160	CLEAN TEMP DITCH	7	LF	-	-	3,110											3,110
02184	BACKFILLING	18	CUYD	350	50	-											400
02200	ROADWAY EXCAVATION	1	CUYD	9,912	17,465	456											27,833
02242	WATER	5	MGAL	-	-	500											500
02265	REMOVE FENCE		LF	1,041	388	-											1,429
02267	REMOVE & RESET FENCE		LF	289	-	-											289
02268	REMOVE & REPLACE FENCE		LF	25	-	-											25
02273	FENCE-4 FT CHAIN LINK	21	LF	282	390	-											672
02274	FENCE-6 FT CHAIN LINK		LF	793	22	-											815
02287	DOUBLE VEHICULAR CHAIN LINK GATE		EACH	1	-	-											1
02351	GUARDRAIL-STEEL W BEAM-S FACE		LF	1,248	3,189	-											4,437
02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A		EACH	-	3	-											3
02369	GUARDRAIL END TREATMENT TYPE 2A		EACH	1	3	-											4
02381	REMOVE GUARDRAIL	15	LF	1,947	2,885	-											4,832
02387	GUARDRAIL CONNECTOR TO BRIDGE END TY A-1		EACH	-	3	-											3
02391	GUARDRAIL END TREATMENT TYPE 4A		EACH	2	1	-											3
02429	RIGHT-OF-WAY MONUMENT TYPE 1		EACH	16	-	-											16
02432	WITNESS POST	10	EACH	8	-	-											8
02483	CHANNEL LINING CLASS II	6	TON	307	1,130	-											1,437
02484	CHANNEL LINING CLASS III	3	TON	10	-	-											10
02545	CLEARING AND GRUBBING	11,13	LS	-	-	-											1
02562	SIGNS	4	SOYD	-	-	800											800
02568	MOBILIZATION		LS	-	-	-											1
02569	DEMOBILIZATION		LS	-	-	-											1
02599	FABRIC-GEOTEXTILE TYPE IV	12	SOYD	878	14,262	-											15,140
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02650	MAINTAIN & CONTROL TRAFFIC	4	LS	-	-	-											1
02653	LANE CLOSURE		EACH	-	-	2											2
02671	PORTABLE CHANGEABLE MESSAGE SIGN	7	EACH	-	-	2											2
02695	RUMBLE STRIPS TYPE 3	20	LF	-	-	280											280
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02706	CLEAN SILT TRAP TYPE A		EACH	-	-	20											20
02707	CLEAN SILT TRAP TYPE B		EACH	-	-	20											20
02708	CLEAN SILT TRAP TYPE C		EACH	-	-	20											20

**NOTES:**

- ① THE CONTRACTOR IS ADVISED THAT THE TOTAL EARTHWORK QUANTITIES SHOWN ARE FOR INFORMATION PURPOSES ONLY. ASSUMPTIONS FOR SHRINKAGE AND SWELL FACTORS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- EXCAVATION:
  - 18,272 CU. YD. COMMON
  - 792 CU. YD. SURFACE DITCHES
  - 0 CU. YD. ROCK
  - 8,517 CU. YD. EMBANKMENT BENCHES
  - 0 CU. YD. TRANSVERSE BENCHES
  - 27,581 CU. YD. TOTAL EXCAVATION
- EMBANKMENT:
  - 9,956 CU. YD. EMBANKMENT
  - 8,517 CU. YD. EMBANKMENT BENCHES
  - 0 CU. YD. TRANSVERSE BENCHES
  - 18,473 CU. YD. TOTAL EMBANKMENT
- EXCESS EXCAVATION: 9,194 CU. YD.
- ② FROM PERFORATED PIPE DRAINAGE SUMMARY.
- ③ INCLUDES 10 TONS FROM PIPE DRAINAGE SUMMARY.
- ④ FOR TEMPORARY CONSTRUCTION.
- ⑤ FOR CONTROLLING DUST CAUSED BY MAINTAINING TRAFFIC ONLY.
- ⑥ INCLUDES 20 TONS FROM PIPE DRAINAGE SUMMARY.
- ⑦ FOR TEMPORARY CONSTRUCTION AND MAINTENANCE OF TRAFFIC ONLY.
- ⑧ FOR WRAPPING PIPE TRENCH BACKFILL.
- ⑨ INCLUDES 48 LF FROM PIPE DRAINAGE SUMMARY.
- ⑩ AS NEEDED, AS DIRECTED BY THE ENGINEER.
- ⑪ REMOVAL OF EXISTING PIPES TO BE INCIDENTAL TO CLEARING AND GRUBBING, UNLESS OTHERWISE NOTED.
- ⑫ FOR EMBANKMENT BENCHES.
- ⑬ APPROXIMATELY 19.3 ACRES.
- ⑭ INCLUDES 8 EACH FROM PIPE DRAINAGE SUMMARY.
- ⑮ INCLUDES REMOVAL OF END TREATMENTS.
- ⑯ INCLUDES 5 EACH FROM PIPE DRAINAGE SUMMARY.
- ⑰ INCLUDES 1 EACH FROM PIPE DRAINAGE SUMMARY.
- ⑱ FOR LOCATIONS WHERE LARGE PIPES ARE BEING REMOVED.
- ⑲ PIPELINE INSPECTION IS FOR ALL CULVERT AND STORM SEWER PIPES LESS THAN 54".
- ⑳ FOR AREAS WHERE THE PROPOSED SHOULDER WILL BE USED TO MAINTAIN TRAFFIC DURING CONSTRUCTION.
- ㉑ FOR TOP OF RAMP 7 BARRIER WALL. INCLUDES ALL MATERIALS AND HARDWARE NECESSARY FOR ANCHORING FENCE TO TOP OF WALL.

FILE NAME: J:\34683A 1-64 WB TO I-264 WB\ULTIMATE CONSTRUCTION\CADD\SUMMARIES\GENERAL SUMMARY SHEET 1 OF 2.DGN

USER: defjon  
DATE PLOTTED: Apr-11-18, 2018

E-SHEET NAME:

MicroStation v8.11.7.443



FILE NAME: J:\34683A 1-64 WB TO I-264 WB\ULTIMATE CONSTRUCTION\CADD\PLANS - LIGHTING\LIGHTING PLANS\LIGHTING SHEETS\02-QUANTITY SHEET (SU)  
 USER: detjen  
 DATE PLOTTED: April 20, 2018  
 E-SHEET NAME:  
 MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-159.00	TI

REVISED 04-20-2018

## ROADWAY LIGHTING ESTIMATE OF QUANTITIES

TOTAL	UNITS	CODE	ITEM DESCRIPTION
3	EACH	4740	POLE BASE
2	EACH	4741	POLE BASE IN MEDIAN WALL
5	EACH	22939ND	INSTALL LUMINAIRE POLE
14	EACH	4780	FUSED CONNECTOR KIT
180	LIN FT	4797	CONDUIT-3 IN
17	EACH	4800	MARKER
180	EACH	21543EN	BORE AND JACK CONDUIT
104	EACH	24589ED	LED LUMINAIRE
650	LIN FT	24901EC	PVC CONDUIT-2 IN-SCHEDULE 80
2703	LIN FT	4833	WIRE-NO. 8
324	LIN FT	4834	WIRE-NO. 6
5397	LIN FT	4861	CABLE - NO. 6/3C DUCTED
5504	LIN FT	4862	CABLE - NO. 4/3C DUCTED
5	EACH	4942	REMOVE, STORE, AND REINSTALL POLE
8700	LIN FT	4820	TRENCHING AND BACKFILLING
1	LP SUM	4940	REMOVE LIGHTING
3	EACH	2039INS835	ELECTRICAL JUNCTION BOX TYPE A
13	EACH	20392NS835	ELECTRICAL JUNCTION BOX TYPE C
3	EACH	4810	ELECTRICAL JUNCTION BOX - 24"

SEE MOT PLANS FOR RAMP AND LANE CLOSURES FOR REMOVAL OF EXISTING LIGHTING.

THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION, AND OTHER SPECIAL NOTES AND SPECIFICATIONS WILL APPLY ON THIS PROJECT. SEE SECTION 716 FOR MEASUREMENT AND OTHER DETAILS. SEE SECTION 602 FOR SPIRAL REINFORCEMENT SPLICING

THE CONTRACTOR SHALL MAKE AN INSPECTION OF THE PROJECT SITE PRIOR TO SUBMITTING A BID AND SHALL BE THOROUGHLY FAMILIARIZED WITH EXISTING CONDITIONS. SUBMISSIONS OF A BID WILL BE CONSIDERED AN AFFIRMATION OF THIS INSPECTION HAVING BEEN COMPLETED.

ADD SENTENCE TO SECTION 834.06: ALL WIRE SHALL HAVE WORDING ADDED TO THE OUTER JACKET THAT STATES : "PROPERTY OF KENTUCKY TRANSPORTATION CABINET 502 564 0501".

ADD SENTENCE TO SECTION 834.09: ALL WIRE SHALL HAVE WORDING ADDED TO THE OUTER JACKET THAT STATES: "PROPERTY OF KENTUCKY TRANSPORTATION CABINET 502 564 0501".

MEASUREMENT NOTE THAT ARE IN ADDITION TO SECTION 716:

REMOVE, STORE AND REINSTALL POLE- DEPARTMENT WILL MEASURE THE QUANTITY AS EACH INDIVIDUAL UNIT REMOVED, STORE AND REINSTALLED. THE DEPARTMENT WILL NOT MEASURE WORK AND MATERIAL NECESSARY TO RELOCATE AN EXISTING LIGHTING STANDARD AND WILL CONSIDERED THIS INCIDENTAL TO THIS ITEM OF WORK.

WOOD POLE- DEPARTMENT WILL MEASURE THE QUANTITY AS EACH INDIVIDUAL UNIT FURNISHED AND INSTALLED. THE DEPARTMENT WILL NOT MEASURE EXCAVATION, BACKFILLING, AND RESTORING DISTURBED AREAS.

ANCHOR- DEPARTMENT WILL MEASURE THE QUANTITY AS EACH INDIVIDUAL UNIT FURNISHED AND INSTALLED. THE DEPARTMENT WILL NOT MEASURE FURNISHING AND INSTALLING SPECIFIED ANCHOR, DOWN-GUY, MESSENGER, CLAMPS, GUY GUARD, AND INSULATORS (IF REQUIRED).

WIRE OR CABLE SHALL INCLUDE INSTALLING SPECIFIED WIRE OR CABLE WITHIN CONDUIT AS INDICATED ON THE PLAN SHEETS. INCIDENTAL TO THIS ITEM SHALL BE THE FURNISHING AND INSTALLING OF SPLICE BOOTS OR ANY OTHER HARDWARE REQUIRED FOR INSTALLING CABLE. THE CONTRACTOR SHALL INSTALL ALL CABLE OR WIRE RUNS SPLICE-FREE FROM THE CONTROLLER TO EACH POLE THE CABLE OR WIRE IS FEEDING. EXCEPTIONS TO THIS MUST BE APPROVED BY THE ENGINEER OR AS SPECIFIED ON THE PLANS. THE CONTRACTOR WILL RECEIVE WIRE IN 1000 FOOT ROLLS FROM OUR WAREHOUSE. THE CONTRACTOR SHALL RETURN ALL EXCESS WIRE TO THE TRAFFIC BARN IN DISTRICT 5. IF THE WIRE SUPPLIED DOES NOT EQUAL ENOUGH SUITABLE TO INSTALL ALL RUNS SPLICE FREE. THE CONTRACTOR CAN ASK FOR MORE WIRE TO BE SUPPLIED BY THE DIVISION OF TRAFFIC OPERATIONS. THIS REQUEST SHALL GO THROUGH THE RESIDENT ENGINEER TO CENTRAL OFFICE DIVISION OF TRAFFIC OPERATIONS. EACH RUN OF WIRE FROM POLE TO POLE (UP EACH POLE) SHALL BE THE FOLLOWING COLOR CODED: 2-BLACK (HOT) AND GREEN (GROUND). THIS NOTE ONLY APPLIES TO BID CODES 23675EC AND 24474ED.

ELECTRICAL JUNCTION BOX TYPE A - THE CONDUIT EXITING EACH TYPE A JUNCTION BOX THAT CONNECTS TO THE EXISTING POLE SHALL BE INCIDENTAL TO THE COST OF THE JUNCTION BOX.

LED LUMINAIRE - CONTRACTOR SHALL DEMONSTRATE THAT EACH LIGHT TURNS ON AFTER REPLACING HPS LUMINAIRE WITH LED LUMINAIRE. IF THE LIGHT DOES NOT TURN ON, THE COST OF A NEW 6A FUSE SHALL BE INCIDENTAL TO THE COST OF THE LED LUMINAIRE.

LED LUMINAIRE - CONTRACTOR SHALL REPLACE ANY MISSING COVERS FROM JUNCTION BOXES IN MEDIAN BARRIER WALLS WITH 1/8" A36 GALVANIZED STEEL COVER PLATE, AS WELL AS PROVIDING ALL NEW STAINLESS STEEL HEX BOLTS FOR EACH JUNCTION BOX IN MEDIAN BARRIER WALL INCIDENTAL TO THIS ITEM OF WORK.

REMOVE, STORE, AND REINSTALL POLE - TRANSFORMER BASE COVERS AND HAND HOLE COVERS THAT ARE MISSING FROM EXISTING POLES SHALL BE REPLACED INCIDENTAL TO THIS ITEM OF WORK.

MATERIALS, LABOR, AND OTHER COSTS ASSOCIATED WITH CONSTRUCTING BARRIER WALL BUMPOUTS FOR ROADWAY LIGHTING SHALL BE INCIDENTAL TO CONTRACT.

REMOVE LIGHTING QUANTITIES SHALL INCLUDE THE REMOVAL OF IDENTIFIED EXISTING LIGHT POLES IN THE PLAN SHEETS ON 264EB FROM THE TAYLORSVILLE ROAD EB ON-RAMP TO EAST OF BRECKENRIDGE LANE. REMOVAL OF LUMINAIRE ON TRANSFORMER BASE SHALL CONFORM TO THE DETAILS IDENTIFIED IN THE STANDARD SPECIFICATIONS. REMOVAL OF LUMINAIRE ON BARRIER WALL SHALL INCLUDE A CAP IN CONDUIT EXITING THE BARRIER WITH THE ANCHOR BOLTS CUT SO THAT THE TOP OF THE BARRIER IS FLUSH.

ALL LIGHTS SHALL REMAIN ENERGIZED AT ALL TIMES DURING CONSTRUCTION.

4-14-2016

DESIGNED BY: WSP USA
DATE SUBMITTED: 2/2/2018
<b>Commonwealth of Kentucky</b> <b>DEPARTMENT OF HIGHWAYS</b> <b>COUNTY OF</b> <b>JEFFERSON</b>
PROJECT NUMBER: I-64 WB TO I-264 WB RAMP IMPROVEMENTS FD52 056 0064 012-013, NHPPIM 0642 (197)
ROADWAY LIGHTING ESTIMATES OF QUANTITIES

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-159.00	TI

## ROADWAY LIGHTING ESTIMATE OF QUANTITIES

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ALL LIGHTS SHALL REMAIN ENERGIZED AT ALL TIMES DURING CONSTRUCTION.

DESIGNED BY: WSP USA  
DATE SUBMITTED: 2/2/2018

**Commonwealth of Kentucky**  
**DEPARTMENT OF HIGHWAYS**  
**COUNTY OF**  
**JEFFERSON**

PROJECT: I-64 WB TO I-264 WB RAMP IMPROVEMENTS  
NUMBERS: FD52 056 0064 012-013, NHPPIM 0642 (197)

ROADWAY LIGHTING ESTIMATES  
OF QUANTITIES

4-14-2016

FILE NAME: J:\34683A I-64 WB TO I-264 WB\ULTIMATE CONSTRUCTION\CADD\PLANS - LIGHTING\LIGHTING PLANS\LIGHTING SHEETS\02-QUANTITY SHEET (SU) L1  
 USER: detjen  
 DATE PLOTTED: April 20, 2018  
 E-SHEET NAME:  
 MicroStation v8.11.7.443