



**COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET**

Frankfort, Kentucky 40622
www.transportation.ky.gov/

Matthew G. Bevin
Governor

Greg Thomas
Secretary

January 23, 2019

CALL NO. 200
CONTRACT ID NO. 191001
ADDENDUM # 2

Subject: BOONE COUNTY, 008GR19D001-NHPP
Letting January 25, 2019

- (1) Revised - Special Note for Fixed Completion Date and Disincentive Fees - Pages 224-227 of 415
- (2) Revised - Special Note for Law Enforcement Officers - Page 244 of 415
- (3) Revised - Proposal Bid Items - Pages 409-415 of 415

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:mr
Enclosures



An Equal Opportunity Employer M/F/D

I-75
Boone County
NHPP IM 0757 (148)
Item Number 6-20002.10
IM 75-5
Item Number 6-14.50

**SPECIAL NOTE
FOR
FIXED COMPLETION DATE AND DISINCENTIVE FEES
“A+B”**

Fixed Completion Dates and “A+B_N+B_S” Bidding

The procedure for evaluation of bids on this project involves an “A+B_N+B_S” concept.

The “A” component of the bid involves the dollar amount for all work to be performed under the contract.

The “B_N” component involves the number of calendar days that **northbound mainline I-75 from the beginning of the project (Milepoint 178.024) to the end of the project (Milepoint 183.094)** is reduced to less than 4 lanes during Phase 4 construction as outlined in the Maintenance of Traffic Plan.

The “B_S” component involves the number of calendar days that **southbound mainline I-75 from the beginning of the project (Milepoint 178.024) to the end of the project (Milepoint 182.814)** is reduced to less than 4 lanes during Phase 6 construction as outlined in the Maintenance of Traffic Plan.

This project will have an intermediate fixed completion date of **November 15, 2019** for completion of all work northbound including northbound exit and entrance ramps, and a fixed completion date of **November 15, 2020** for completion of all work on the project.

A disincentive fee of **\$50,000 per day** will be charged for each calendar day that all work northbound is not completed after **November 15, 2019**. A disincentive fee of **\$50,000 per day** will be charged for each calendar day that all work southbound is not completed after **November 15, 2020**. These fees are in addition to contract liquidated damages per the Standard Specifications.

Contrary to Section 108.09 of the Standard Specifications, **the 50,000 per day disincentive and/or contract liquidated damages will be charged during the months of December through March if all required work is not completed.**

Preparation of Bid Proposal

The work is to be performed in a high traffic area. There are two phases identified in the project that will require the contractor to reduce the number of mainline I-75 lanes to less than four (4) in each direction for a significant duration. The peak hour traffic is such that having the number of lanes reduced may create significant traffic delays. To reduce the disruption to the travelling

public, the contractor(s) will bid the number of calendar days when northbound traffic is reduced to less than four (4) lanes, required to complete Phase 4 (northbound) and Phase 6 (southbound) as outlined in the Maintenance of Traffic Plan. “B_N” days will start **on the Monday immediately following the initial traffic switch** when the northbound direction of traffic is shifted into the Phase 4 (northbound) configuration as shown in the Maintenance of Traffic (MOT) plans. “B_N” days will continue to count until the northbound direction of traffic is returned to the normal, permanent configuration. “B_S” days will start **on the Monday immediately following the initial traffic switch** when the southbound direction of traffic is shifted into the Phase 6 (southbound) configuration as shown in the Maintenance of Traffic (MOT) plans. “B_S” days will continue to count until the southbound direction of traffic is returned to the normal, permanent configuration. “B_N” and “B_S” days will only be counted during Phase 4 and Phase 6 as applicable. Lane closures for other phases will be in strict accordance with the Maintenance of Traffic (MOT) plans.

In addition to the requirements of Section 102 of the Standard Specifications, the bidder shall establish the total number of calendar days northbound and southbound that mainline I-75 traffic will be reduced to less than four (4) lanes in Phase 4 (northbound) and Phase 6 (southbound) as described above, necessary to complete the work in accordance with the plans and specifications and show this number in the bid proposal. For the purposes of bidding this contract, all bidders will bid the number of consecutive calendar days northbound (B_N) and southbound (B_S) necessary to complete all work requiring mainline northbound I-75 (Phase 4) and southbound (Phase 6) to be reduced to less than four (4) lanes. The “B” components will have a daily dollar amount that will be used to calculate the total “B” components for bid comparison purposes only. The value of each day of lane reductions will be:

$$B_N = \$50,000$$

$$B_S = \$50,000$$

A maximum of 30 “B_N” days will be allowed to be bid for this project.

A maximum of 30 “B_S” days will be allowed to be bid for this project.

Proposal Guaranty

As a supplement to Section 102 of the 2012 Standard Specifications, it will not be necessary for the Proposal Guaranty to include an amount necessary to cover the product of days bid times the daily cost.

Consideration of Bids

Each bid submitted shall consist of two parts:

- A The dollar amount for all work to be performed under the contract.
- B_N Number of calendar days Northbound I-75 is reduced to less than 4 lanes (Phase 4 northbound)
- B_S Number of calendar days Northbound I-75 is reduced to less than 4 lanes (Phase 6 southbound)

The lowest and best bid will be determined by the Department as the lowest combination of the two parts according to the following formula:

$$\text{Bid} = A + [B_N] * 50,000 + [B_S] * 50,000$$

Disincentive Fees for Work Beyond the Days Bid

Upon the beginning of work on mainline I-75 with traffic reduced to less than four (4) lanes either northbound Phase 4 or southbound Phase 6, time will be charged against the respective “B” component. A day will be charged for any day that mainline I-75 traffic remains reduced to less than four (4) lanes in either the northbound or southbound direction. After the number of days bid is reached, any subsequent restriction that traffic is reduced to less than four (4) lanes will result in a disincentive charge to the contractor. The following disincentive schedule will be applied for each hour or fraction of an hour that mainline I-75 is out of normal configuration with traffic reduced to less than four (4) lanes during Phase 4 (northbound) or Phase 6 (southbound):

Table 1. Disincentive Schedule for All Mainline I-75 Construction work

Time out of Normal Configuration	Disincentive Fee (\$/hour)
6:00 AM - 8:00 PM	\$3,500

The disincentive fees for work beyond the number of days bid will be charged in addition to any other disincentive fees or liquidated damages if the work continues beyond the fixed completion date listed above.

Contrary to Section 108.09 of the Standard Specifications, **the \$3,500 per hour disincentive will be charged during the months of December through March if the mainline I-75 traffic is not restored to its normal configuration.**

THERE IS NO MAXIMUM OR CAP TO DISINCENTIVE FEES FOR THIS PROJECT.

Ramp Closures

There are ramps identified in the plans that will be allowed to be closed to facilitate work on the project. Each ramp eligible for closure may be closed two nights, one night to mill and inlay mainline asphalt base in locations affecting access to the ramp, and one night to complete final asphalt surfacing on the ramp and mainline I-75 in locations affecting access to the ramp. Times of allowable ramp closures for ramps identified in the Maintenance of Traffic plans are as follows:

- Fridays 10:00 PM to Saturday 6:00 AM
- Saturday 10:00 PM to Sunday 7:00 AM
- Sunday 10:00 PM to Monday 5:00 AM

Any time a ramp is closed beyond the allotted time specified above and in the plans, disincentive fees will be charged based on the schedule below:

Table 2. Disincentive Schedule for Ramps Closed Outside Allotted Times

Ramp Closure Outside Allotted Times	Disincentive Fee (\$/hour) Northbound & Southbound
Any Ramp / Any Hour	\$3,500

Mainline Lane Closures

The Contractor is encouraged to complete and combine activities into Phase 4 and Phase 6 that may be completed during these phases that are not required during these phases. Reduction of traffic to 2 lanes will be required for Phases 4B and 6B and will be allowed between the hours of 9:00 PM and 5:00 AM. The Contractor will also be allowed to reduce the number of mainline I-75 lanes open to traffic in each direction during phases other than Phase 4 and Phase 6. From 8:00 PM to 6:00 AM, the Contractor will be allowed to reduce traffic to three lanes for any activity except Phase 4 or Phase 6 activities. For final surfacing and final markings only and traffic shifts only, from 9:00 PM to 5:00 AM, the Contractor will be allowed to reduce traffic to two lanes. For final surfacing and final markings only and traffic shifts only, from 12:00 AM (Midnight) to 5:00 AM, the Contractor will be allowed to reduce traffic to one lane. Any time the number of mainline lanes in either the northbound or southbound direction are closed beyond the allotted times specified above and in the plans, disincentive fees will be charged based on the schedule below:

Table 3. Disincentive Schedule for Mainline I-75 Lanes Closed Outside Allotted Times

Lane Closure Outside Allotted Times	Disincentive Fee (\$/hour) Northbound & Southbound
Any Phase / Any Hour	\$3,500

Time Extensions

The Engineer will not allow any extension to the number of calendar days bid, or ramp closure periods, for weather or resulting conditions. A calendar day will not be charged against the number of days bid for delays caused by earthquakes, tornadoes, or other similar catastrophic forces.

No extension to the number of calendar days bid, or ramp closure periods, will be granted due to over-run of contract quantities. The engineer will grant an extension of the number of calendar days bid for supplemental work not previously identified in the contract that must be performed when traffic is out of its normal configuration. The Engineer will determine the number of additional calendar days due for the additional work by dividing the value of the additional work by the value of the original Contract work and multiply this ratio by the number of calendar days from Notice to Begin work to November 15, 2020.

Added calendar days will be added to either the intermediate fixed completion date of November 15, 2019, or the November 15, 2020, fixed completion date on a day for day basis. Any agreed upon time extension will be added to either the intermediate fixed completion date of November 15, 2019, or the November 15, 2020 date on a day for day basis regardless of the weather conditions or seasonal limitations during that period of time added. ALL construction operations for the project will be required to be completed by the extended completion date and in accordance with any weather limitations specified in the Kentucky 2012 Standard Specifications for Road and Bridge Construction, the contract proposal or the contract plans. No further extension of contract time will be granted due to inclement weather or temperature limitations experienced during the time extension.

I-75
Boone County
NHPP IM 0757 (148)
Item Number 6-20002.10
IM 75-5
Item Number 6-14.50

**SPECIAL NOTE
FOR
LAW ENFORCEMENT OFFICERS (LEO's)**

Police support shall be a unit consisting of an off-duty police officer from any police force agency having lawful jurisdiction and a police car equipped with externally mounted flashing blue lights. Officers may be asked to issue citations for traffic violations, but will be considered incidental to the contract unit bid price for "Law Enforcement Officer". No additional compensation will be provided. The need for and placement of officers shall be determined collectively between the Engineer and the contract team. LEO's should always be on site during all major traffic switches and ramp closures. Police support will be measured and paid on a per hour basis for each officer and police vehicle.

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	36,680.00	TON		\$	
0020	00003		CRUSHED STONE BASE	166.00	TON		\$	
0030	00008		CEMENT STABILIZED ROADBED	43,385.00	SQYD		\$	
0040	00018		DRAINAGE BLANKET-TYPE II-ASPH	11,928.00	TON		\$	
0050	00100		ASPHALT SEAL AGGREGATE	776.00	TON		\$	
0060	00103		ASPHALT SEAL COAT	93.00	TON		\$	
0070	00194		LEVELING & WEDGING PG76-22	1,736.00	TON		\$	
0080	00214		CL3 ASPH BASE 1.00D PG64-22	12,498.00	TON		\$	
0090	00217		CL4 ASPH BASE 1.00D PG64-22	9,317.00	TON		\$	
0100	00219		CL4 ASPH BASE 1.00D PG76-22	50,077.00	TON		\$	
0110	00339		CL3 ASPH SURF 0.38D PG64-22	8,494.00	TON		\$	
0120	00342		CL4 ASPH SURF 0.38A PG76-22	35,396.00	TON		\$	
0130	00356		ASPHALT MATERIAL FOR TACK	192.00	TON		\$	
0140	00358		ASPHALT CURING SEAL	43.00	TON		\$	
0150	02024		JPC PAVEMENT-10 IN/24	71.00	SQYD		\$	
0160	02091		REMOVE PAVEMENT	71.00	SQYD		\$	
0170	02542		CEMENT	844.00	TON		\$	
0180	02677		ASPHALT PAVE MILLING & TEXTURING	70,723.00	TON		\$	
0190	02696		SHOULDER RUMBLE STRIPS	115,730.00	LF		\$	
0200	02702		SAND FOR BLOTTER	108.00	TON		\$	
0210	20071EC		JOINT ADHESIVE	281,904.00	LF		\$	
0220	24780EC		INTELLIGENT COMPACTION FOR AGGREGATE	33,940.00	TON		\$	
0230	24781EC		INTELLIGENT COMPACTION FOR ASPHALT	40,779.00	TON		\$	
0240	24891EC		PAVE MOUNT INFRARED TEMP EQUIPMENT	1,143,423.00	SF		\$	
0250	24964EC		FINE MILLING	34,660.00	SQYD		\$	
0260	24990EC		INTELLIGENT COMP SUBGRADE STABILIZATION	43,385.00	SQYD		\$	
0270	24997EC		PARTIAL DEPTH PATCHING-POLYMER MOD	1,000.00	CUFT		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0280	00021		DRAINAGE BLANKET-EMBANKMENT	18,649.00	CUYD		\$	
0290	00071		CRUSHED AGGREGATE SIZE NO 57	3,155.00	TON		\$	
0300	00078		CRUSHED AGGREGATE SIZE NO 2	9,484.00	TON		\$	
0310	01000		PERFORATED PIPE-4 IN	12,860.00	LF		\$	
0320	01005		PERFORATED PIPE EDGE DRAIN-4 IN	26,000.00	LF		\$	
0330	01010		NON-PERFORATED PIPE-4 IN	1,648.00	LF		\$	
0340	01015		INSPECT & CERTIFY EDGE DRAIN SYSTEM	1.00	LS		\$	
0350	01020		PERF PIPE HEADWALL TY 1-4 IN	11.00	EACH		\$	
0360	01024		PERF PIPE HEADWALL TY 2-4 IN	15.00	EACH		\$	
0370	01028		PERF PIPE HEADWALL TY 3-4 IN	24.00	EACH		\$	
0380	01032		PERF PIPE HEADWALL TY 4-4 IN	4.00	EACH		\$	
0390	01314		PLUG PIPE	8.00	EACH		\$	
0400	01691		FLUME INLET TYPE 2	1.00	EACH		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0410	01740		CORED HOLE DRAINAGE BOX CON-4 IN	35.00	EACH		\$	
0420	01891		ISLAND HEADER CURB TYPE 2	50.00	LF		\$	
0430	01982		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	77.00	EACH		\$	
0440	01983		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL YELLOW	333.00	EACH		\$	
0450	01984		DELINEATOR FOR BARRIER - WHITE	297.00	EACH		\$	
0460	02003		RELOCATE TEMP CONC BARRIER	1,659.00	LF		\$	
0470	02014		BARRICADE-TYPE III	16.00	EACH		\$	
0480	02157		PAVED DITCH TYPE 1	975.00	SQYD		\$	
0490	02159		TEMP DITCH	14,339.00	LF		\$	
0500	02160		CLEAN TEMP DITCH	7,169.00	LF		\$	
0510	02200		ROADWAY EXCAVATION	152,738.00	CUYD		\$	
0520	02242		WATER	500.00	MGAL		\$	
0530	02265		REMOVE FENCE	9,282.00	LF		\$	
0540	02274		FENCE-6 FT CHAIN LINK	8,793.00	LF		\$	
0550	02351		GUARDRAIL-STEEL W BEAM-S FACE	7,268.50	LF		\$	
0560	02360		GUARDRAIL TERMINAL SECTION NO 1	5.00	EACH		\$	
0570	02363		GUARDRAIL CONNECTOR TO BRIDGE END TY A	2.00	EACH		\$	
0580	02367		GUARDRAIL END TREATMENT TYPE 1	1.00	EACH		\$	
0590	02369		GUARDRAIL END TREATMENT TYPE 2A	5.00	EACH		\$	
0600	02373		GUARDRAIL END TREATMENT TYPE 3	1.00	EACH		\$	
0610	02381		REMOVE GUARDRAIL	6,852.50	LF		\$	
0620	02391		GUARDRAIL END TREATMENT TYPE 4A	6.00	EACH		\$	
0630	02403		REMOVE CONCRETE MASONRY	44.30	CUYD		\$	
0640	02429		RIGHT-OF-WAY MONUMENT TYPE 1	75.00	EACH		\$	
0650	02432		WITNESS POST	6.00	EACH		\$	
0660	02484		CHANNEL LINING CLASS III	162.00	TON		\$	
0670	02545		CLEARING AND GRUBBING APPROXIMATELY 41 ACRES	1.00	LS		\$	
0680	02562		TEMPORARY SIGNS	2,564.00	SQFT		\$	
0690	02575		DITCHING AND SHOULDERING	26,770.00	LF		\$	
0700	02596		FABRIC-GEOTEXTILE TYPE I	184.00	SQYD		\$	
0710	02599		FABRIC-GEOTEXTILE TYPE IV	82,962.00	SQYD		\$	
0720	02599		FABRIC-GEOTEXTILE TYPE IV FOR WORKING PLATFORM	12,800.00	SQYD		\$	
0730	02600		FABRIC GEOTEXTILE TY IV FOR PIPE	6,504.00	SQYD	\$2.00	\$	\$13,008.00
0740	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0750	02654		TRUCK MOUNTED ATTENUATOR	4.00	EACH		\$	
0760	02671		PORTABLE CHANGEABLE MESSAGE SIGN	12.00	EACH		\$	
0770	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0780	02677		ASPHALT PAVE MILLING & TEXTURING	11,238.00	TON		\$	
0790	02690		SAFELOADING	21.00	CUYD		\$	
0800	02696		SHOULDER RUMBLE STRIPS	33,120.00	LF		\$	
0810	02701		TEMP SILT FENCE	5,915.00	LF		\$	
0820	02703		SILT TRAP TYPE A	83.00	EACH		\$	
0830	02704		SILT TRAP TYPE B	83.00	EACH		\$	
0840	02705		SILT TRAP TYPE C	83.00	EACH		\$	
0850	02706		CLEAN SILT TRAP TYPE A	83.00	EACH		\$	
0860	02707		CLEAN SILT TRAP TYPE B	83.00	EACH		\$	

PROPOSAL BID ITEMS

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0870	02708		CLEAN SILT TRAP TYPE C	83.00	EACH		\$	
0880	02726		STAKING	1.00	LS		\$	
0890	02775		ARROW PANEL	6.00	EACH		\$	
0900	02898		RELOCATE CRASH CUSHION	1.00	EACH		\$	
0910	03171		CONCRETE BARRIER WALL TYPE 9T	18,714.00	LF		\$	
0920	05950		EROSION CONTROL BLANKET	78,022.00	SQYD		\$	
0930	05952		TEMP MULCH	269,330.00	SQYD		\$	
0940	05953		TEMP SEEDING AND PROTECTION	201,998.00	SQYD		\$	
0950	05963		INITIAL FERTILIZER	8.00	TON		\$	
0960	05964		MAINTENANCE FERTILIZER	11.60	TON		\$	
0970	05985		SEEDING AND PROTECTION	138,781.00	SQYD		\$	
0980	05989		SPECIAL SEEDING CROWN VETCH	58,162.00	SQYD		\$	
0990	05992		AGRICULTURAL LIMESTONE	135.00	TON		\$	
1000	06401		FLEXIBLE DELINEATOR POST-M/W	683.00	EACH		\$	
1010	06404		FLEXIBLE DELINEATOR POST-M/Y	380.00	EACH		\$	
1020	06511		PAVE STRIPING-TEMP PAINT-6 IN	639,334.00	LF		\$	
1030	06531		PAVE STRIPING REMOVAL-6 IN	82,476.00	LF		\$	
1040	06546		PAVE STRIPING-THERMO-12 IN W	11,250.00	LF		\$	
1050	06568		PAVE MARKING-THERMO STOP BAR-24IN	238.00	LF		\$	
1060	06574		PAVE MARKING-THERMO CURV ARROW	14.00	EACH		\$	
1070	06575		PAVE MARKING-THERMO COMB ARROW	6.00	EACH		\$	
1080	06576		PAVE MARKING-THERMO ONLY	8.00	EACH		\$	
1090	06578		PAVE MARKING-THERMO MERGE ARROW	8.00	EACH		\$	
1100	06585		PAVEMENT MARKER TY IVA-MW TEMP	7,047.00	EACH		\$	
1110	06586		PAVEMENT MARKER TY IVA-MY TEMP	9,259.00	EACH		\$	
1120	06592		PAVEMENT MARKER TYPE V-B W/R	2,206.00	EACH		\$	
1130	06593		PAVEMENT MARKER TYPE V-B Y/R	1,024.00	EACH		\$	
1140	06600		REMOVE PAVEMENT MARKER TYPE V	4,558.00	EACH		\$	
1150	06601NC		PAVE MARKING-PAINT WORDS	100.00	EACH		\$	
1160	08003		FOUNDATION PREPARATION SOUND BARRIER WALL "A"	1.00	LS		\$	
1170	08003		FOUNDATION PREPARATION SOUND BARRIER WALL "B"	1.00	LS		\$	
1180	08003		FOUNDATION PREPARATION SOUND BARRIER WALL "C"	1.00	LS		\$	
1190	08020		CRUSHED AGGREGATE SLOPE PROT	92.00	TON		\$	
1200	08100		CONCRETE-CLASS A	80.40	CUYD		\$	
1210	08903		CRASH CUSHION TY VI CLASS BT TL3 (REVISED: 1-23-19)	4.00	EACH		\$	
1220	10020NS		FUEL ADJUSTMENT	251,462.00	DOLL	\$1.00	\$	\$251,462.00
1230	10030NS		ASPHALT ADJUSTMENT	459,448.00	DOLL	\$1.00	\$	\$459,448.00
1240	10202ND		TIME COMPONENT (NORTHBOUND)	50,000.00	DOLL		\$	
1250	10202ND		TIME COMPONENT (SOUTHBOUND)	50,000.00	DOLL		\$	
1255	20411ED		LAW ENFORCEMENT OFFICER (ADDED: 1-23-19)	1,600.00	HOURL		\$	
1260	20550ND		SAWCUT PAVEMENT	13,420.00	LF		\$	
1270	20758ED		REMOVE AND RESET PERF PIPE HEADWALL	10.00	EACH		\$	
1280	21288ND		CONCRETE MEDIAN BARRIER TYPE 12C2-50 IN	4,330.00	LF		\$	
1290	21289ED		LONGITUDINAL EDGE KEY	3,945.00	LF		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1300	21590EN		SOUND BARRIER WALL	102,470.00	SQFT		\$	
1310	22664EN		WATER BLASTING EXISTING STRIPE	350,000.00	LF		\$	
1320	22861EN		HIGH STRENGTH GEOTEXTILE FABRIC TY V	750.00	SQYD		\$	
1330	23159EN		DURABLE WATERBORNE MARKING-6 IN W	98,862.00	LF		\$	
1340	23160EN		DURABLE WATERBORNE MARKING-6 IN Y	61,865.00	LF		\$	
1350	23274EN11F		TURF REINFORCEMENT MAT 1	10,966.00	SQYD		\$	
1360	23275EN11F		TURF REINFORCEMENT MAT 2	804.00	SQYD		\$	
1370	23276EN11F		TURF REINFORCEMENT MAT 3	326.00	SQYD		\$	
1380	24189ER		DURABLE WATERBORNE MARKING-6 IN W	86,644.00	LF		\$	
1390	24190ER		DURABLE WATERBORNE MARKING-6 IN Y	20,295.00	LF		\$	
1400	24191ER		DURABLE WATERBORNE MARKING-12 IN W	7,788.00	LF		\$	
1410	24489EC		INLAID PAVEMENT MARKER	3,672.00	EACH		\$	
1420	24489EC		INLAID PAVEMENT MARKER B W/R	1,103.00	EACH		\$	
1430	24489EC		INLAID PAVEMENT MARKER B Y/R	512.00	EACH		\$	
1440	24679ED		PAVE MARK THERMO CHEVRON	3,545.00	SQFT		\$	
1450	24779EC		INTELLIGENT COMPACTION FOR SOIL	153,882.00	CUYD		\$	
1460	24781EC		INTELLIGENT COMPACTION FOR ASPHALT	76,503.00	TON		\$	
1470	24814EC		PIPELINE INSPECTION	1,768.00	LF		\$	
1480	24891EC		PAVE MOUNT INFRARED TEMP EQUIPMENT	4,244,958.00	SF		\$	
1490	24986EC		HMA ELECTRONIC DELIVERY MGMT SYSTEM	1.00	L S		\$	
1500	40030		TEMPORARY SILT FENCE	8,424.00	LF		\$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1510	00462		CULVERT PIPE-18 IN	246.00	LF		\$	
1520	00464		CULVERT PIPE-24 IN	43.00	LF		\$	
1530	00468		CULVERT PIPE-36 IN	193.00	LF		\$	
1540	00470		CULVERT PIPE-48 IN	56.00	LF		\$	
1550	00521		STORM SEWER PIPE-15 IN	631.00	LF		\$	
1560	00522		STORM SEWER PIPE-18 IN	546.00	LF		\$	
1570	00526		STORM SEWER PIPE-30 IN	26.00	LF		\$	
1580	00530		STORM SEWER PIPE-48 IN	23.00	LF		\$	
1590	01202		PIPE CULVERT HEADWALL-15 IN	7.00	EACH		\$	
1600	01204		PIPE CULVERT HEADWALL-18 IN	11.00	EACH		\$	
1610	01208		PIPE CULVERT HEADWALL-24 IN	1.00	EACH		\$	
1620	01210		PIPE CULVERT HEADWALL-30 IN	1.00	EACH		\$	
1630	01212		PIPE CULVERT HEADWALL-36 IN	3.00	EACH		\$	
1640	01216		PIPE CULVERT HEADWALL-48 IN	1.00	EACH		\$	
1650	01310		REMOVE PIPE	20.00	LF		\$	
1660	01432		SLOPED BOX OUTLET TYPE 1-15 IN	3.00	EACH		\$	
1670	01450		S & F BOX INLET-OUTLET-18 IN	7.00	EACH		\$	
1680	01451		S & F BOX INLET-OUTLET-24 IN	1.00	EACH		\$	
1690	01490		DROP BOX INLET TYPE 1	3.00	EACH		\$	
1700	01499		DROP BOX INLET TYPE 4	1.00	EACH		\$	
1710	01505		DROP BOX INLET TYPE 5B	1.00	EACH		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1720	01511		DROP BOX INLET TYPE 5D	2.00	EACH		\$	
1730	01517		DROP BOX INLET TYPE 5F	1.00	EACH		\$	
1740	01585		REMOVE DROP BOX INLET	1.00	EACH		\$	
1750	01690		FLUME INLET TYPE 1	4.00	EACH		\$	
1760	01720		RECONSTRUCT INLET	2.00	EACH		\$	
1770	01756		MANHOLE TYPE A	7.00	EACH		\$	
1780	01767		MANHOLE TYPE C	3.00	EACH		\$	
1790	01789		RECONSTRUCT MANHOLE	1.00	EACH		\$	
1800	01891		ISLAND HEADER CURB TYPE 2	337.00	LF		\$	
1810	02165		REMOVE PAVED DITCH	86.00	SQYD		\$	
1820	02483		CHANNEL LINING CLASS II	700.00	TON		\$	
1830	02484		CHANNEL LINING CLASS III	627.00	TON		\$	
1840	03262		CLEAN PIPE STRUCTURE	125.00	EACH		\$	
1850	20465EC		CLEAN CULVERT	1.00	LS		\$	
1860	22620NN		CONC MED BARR BOX INLET TY 12A1-50	1.00	EACH		\$	
1870	22660EN		REPLACE GRATE	187.00	LB		\$	
1880	22883EN		CONCRETE WEDGE CURB	104.00	LF		\$	
1890	23611NN		CONC MED BAR BOX INLET TY 12B1-50	10.00	EACH		\$	

Section: 0004 - BRIDGE-CULVERT 27274

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1900	02231		STRUCTURE GRANULAR BACKFILL	28.00	CUYD		\$	
1910	08002		STRUCTURE EXCAV-SOLID ROCK	27.00	CUYD		\$	
1920	08003		FOUNDATION PREPARATION	1.00	LS		\$	
1930	08100		CONCRETE-CLASS A	141.70	CUYD		\$	
1940	08150		STEEL REINFORCEMENT	17,235.00	LB		\$	

Section: 0005 - BRIDGE-CULVERT 27275

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1950	02231		STRUCTURE GRANULAR BACKFILL	240.00	CUYD		\$	
1960	08002		STRUCTURE EXCAV-SOLID ROCK	35.00	CUYD		\$	
1970	08003		FOUNDATION PREPARATION	1.00	LS		\$	
1980	08100		CONCRETE-CLASS A	154.00	CUYD		\$	
1990	08150		STEEL REINFORCEMENT	20,540.00	LB		\$	

Section: 0006 - SIGNING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2000	04904		BARRIER MOUNTING BRACKET	1.00	EACH		\$	
2010	06201		OSS GALV STEEL CANTILEVER MOD	2.00	EACH		\$	
2020	06400		GMSS GALV STEEL TYPE A	1,380.00	LB		\$	
2030	06401		FLEXIBLE DELINEATOR POST-M/W	64.00	EACH		\$	
2040	06404		FLEXIBLE DELINEATOR POST-M/Y	22.00	EACH		\$	
2050	06405		SBM ALUMINUM PANEL SIGNS	1,726.70	SQFT		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2060	06406		SBM ALUM SHEET SIGNS .080 IN	72.00	SQFT		\$	
2070	06407		SBM ALUM SHEET SIGNS .125 IN	253.00	SQFT		\$	
2080	06410		STEEL POST TYPE 1	255.00	LF		\$	
2090	06412		STEEL POST MILE MARKERS	2.00	EACH		\$	
2100	06449		REM OVERHEAD SIGN SUPPORT STR	1.00	EACH		\$	
2110	06450		REM OVERHEAD STRUC CONC BASE	1.00	EACH		\$	
2120	06451		REMOVE SIGN SUPPORT BEAM	30.00	EACH		\$	
2130	06455		OSS ALUMINUM 100 FT TRUSS	4.00	EACH		\$	
2140	06461		OSS ALUMINUM 115 FT TRUSS	1.00	EACH		\$	
2150	06490		CLASS A CONCRETE FOR SIGNS	213.90	CUYD		\$	
2160	06491		STEEL REINFORCEMENT FOR SIGNS	16,348.00	LB		\$	
2170	20418ED		REMOVE & RELOCATE SIGNS	22.00	EACH		\$	
2180	20419ND		ROADWAY CROSS SECTION	7.00	EACH		\$	
2190	20912ND		BARRIER WALL POST	4.00	EACH		\$	
2200	21373ND		REMOVE SIGN	6.00	EACH		\$	
2210	21596ND		GMSS TYPE D	10.00	EACH		\$	
2220	21935EN		REMOVE CONC MEDIAN BARRIER	304.50	LF		\$	
2230	24388ES508		CONC MEDIAN BARRIER TYPE 14C1(50)	250.00	LF		\$	
2240	24631EC		BARCODE SIGN INVENTORY	27.00	EACH		\$	

Section: 0007 - SIGNALIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2250	04792		CONDUIT-1 IN	30.00	LF		\$	
2260	04811		ELECTRICAL JUNCTION BOX TYPE B	2.00	EACH		\$	
2270	04820		TRENCHING AND BACKFILLING	70.00	LF		\$	
2280	04830		LOOP WIRE	1,520.00	LF		\$	
2290	04850		CABLE-NO. 14/1 PAIR	240.00	LF		\$	
2300	04895		LOOP SAW SLOT AND FILL	650.00	LF		\$	
2310	24900EC		PVC CONDUIT-1 1/4 IN-SCHEDULE 80	70.00	LF		\$	
2320	24963ED		LOOP TEST	5.00	EACH		\$	

Section: 0008 - LIGHTING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2330	04700		POLE 30 FT MTG HT	8.00	EACH		\$	
2340	04720		BRACKET 4 FT	48.00	EACH		\$	
2350	04721		BRACKET 6 FT	8.00	EACH		\$	
2360	04740		POLE BASE	8.00	EACH		\$	
2370	04750		TRANSFORMER BASE	8.00	EACH		\$	
2380	04761		LIGHTING CONTROL EQUIPMENT	2.00	EACH		\$	
2390	04780		FUSED CONNECTOR KIT	142.00	EACH		\$	
2400	04797		CONDUIT-3 IN	450.00	LF		\$	
2410	04800		MARKER	2.00	EACH		\$	
2420	04820		TRENCHING AND BACKFILLING	1,150.00	LF		\$	
2430	04821		OPEN CUT ROADWAY	70.00	LF		\$	
2440	04832		WIRE-NO. 12	8,400.00	LF		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2450	04833		WIRE-NO. 8	32,210.00	LF		\$	
2460	04835		WIRE-NO. 4	31,060.00	LF		\$	
2470	04836		WIRE-NO. 2	13,925.00	LF		\$	
2480	04860		CABLE-NO. 8/3C DUCTED	5,970.00	LF		\$	
2490	04861		CABLE-NO. 6/3C DUCTED	1,020.00	LF		\$	
2500	04862		CABLE-NO. 4/3C DUCTED	2,450.00	LF		\$	
2510	04940		REMOVE LIGHTING	1.00	LS		\$	
2520	20391NS835		ELECTRICAL JUNCTION BOX TYPE A	4.00	EACH		\$	
2530	20392NS835		ELECTRICAL JUNCTION BOX TYPE C	2.00	EACH		\$	
2540	20410ED		MAINTAIN LIGHTING	1.00	LS		\$	
2550	21543EN		BORE AND JACK CONDUIT	210.00	LF		\$	
2560	24589ED		LED LUMINAIRE	56.00	EACH		\$	

Section: 0009 - TRAFFIC LOOPS

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2570	04793		CONDUIT-1 1/4 IN	240.00	LF		\$	
2580	04795		CONDUIT-2 IN	60.00	LF		\$	
2590	04811		ELECTRICAL JUNCTION BOX TYPE B	6.00	EACH		\$	
2600	04820		TRENCHING AND BACKFILLING	270.00	LF		\$	
2610	04829		PIEZOELECTRIC SENSOR	56.00	EACH		\$	
2620	04830		LOOP WIRE	14,560.00	LF		\$	
2630	04895		LOOP SAW SLOT AND FILL	3,080.00	LF		\$	
2640	20359NN		GALVANIZED STEEL CABINET	6.00	EACH		\$	
2650	20360ES818		WOOD POST	12.00	EACH		\$	
2660	20391NS835		ELECTRICAL JUNCTION BOX TYPE A	6.00	EACH		\$	

Section: 0010 - WATERLINE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2670	14005		W ENCASEMENT CONCRETE	40.00	LF		\$	
2680	14055		W PIPE DUCTILE IRON SPECIAL INCIDENTAL: 9 EACH OF 30 INCH RESTRAINED JOINT BEND (WITH OR WITHOUT BLOCKING)	675.00	LF		\$	
2690	14101		W TIE-IN SPECIAL 30 INCH	2.00	EACH		\$	
2700	14113		W VALVE BOX ADJUST AIR RELEASE VALVE ASSEMBLY	1.00	EACH		\$	
2710	14124		W VALVE SPECIAL BUTTERFLY 30 INCH	1.00	EACH		\$	

Section: 0011 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2720	02568		MOBILIZATION	1.00	LS		\$	
2730	02569		DEMOBILIZATION	1.00	LS		\$	