



TRANSPORTATION CABINET

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

Steven L. Beshear
Governor

Michael W. Hancock, P.E.
Secretary

September 13, 2011

CALL NO. 106
CONTRACT ID NO. 111338
ADDENDUM # 1

Subject: Barren County, HSIP 3000 (744)
Letting September 23, 2011

- (1) Revised - Plan Sheets - T1 & T2
- (2) Revised - Bid Items - Pages 98-100 of 100

Proposal revisions are available at <http://transportation.ky.gov/contract/>.
Plan revisions are available at <http://www.lynnimaging.com/kytransportation/>.

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

Sincerely,

A handwritten signature in blue ink that reads "Ryan Griffith".

Ryan Griffith
Director
Division of Construction Procurement

RG:ks
Enclosures



An Equal Opportunity Employer M/F/D

TRAFFIC SIGNAL ESTIMATE OF QUANTITIES

TOTAL	UNITS	CODE	ITEM DESCRIPTION
750	LIN FT	4793	CONDUIT 1 1/4 INCH
270	LIN FT	4795	CONDUIT 2 INCH
9	EACH	4811	JUNCTION BOX TYPE B
828	LIN FT	4820	TRENCHING AND BACKFILLING
1,486	LIN FT	4830	LOOP WIRE
625	LIN FT	4844	CABLE-NO. 14/5C
2,610	LIN FT	4850	CABLE-NO. 14/1 PAIR
320	LIN FT	4885	MESSENGER-10800 LB
560	LIN FT	4895	LOOP SAW SLOT AND FILL
1	EACH	4931	INSTALL SIG CONTROLLER-TYPE 170
4	EACH	4932	INSTALL STEEL STRAIN POLE
8	EACH	20094ES835	TEMPORARY RELOCATION OF SIGNAL HEAD
8	EACH	20188NS835	INSTALL SIGNAL-3 SECTION LED
17.27	CU YD	23157EN	TRAFFIC SIGNAL POLE BASE
1	EACH	23982EC	INSTALL ANTENNA
187	LIN FT	21543EN	BORE AND JACK CONDUIT
1	EACH	4950	REMOVE SIGNAL EQUIPMENT

FILE NAME: C:\PWORK\JEFF.LAIL\00460114\T001005U.DGN

USER: Jeff.Lai
DATE PLOTTED: September 13, 2011

E-SHEET NAME: T001005U

MicroStation v8.11.7.180

DESIGNED BY: TED SWANSEGAR
DATE SUBMITTED: 8/17/2011

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF
BARREN

PROJECT: FD52 005 031E 011-012
NUMBERS: HSIP 3000 (744)

SIGNAL ESTIMATE OF
QUANTITIES

TRAFFIC SIGNAL ESTIMATE OF QUANTITIES

TOTAL	UNITS	CODE	ITEM DESCRIPTION
750	LIN FT	4793	CONDUIT 1 1/4 INCH
270	LIN FT	4795	CONDUIT 2 INCH
9	EACH	4811	JUNCTION BOX TYPE B
828	LIN FT	4820	TRENCHING AND BACKFILLING
1,486	LIN FT	4830	LOOP WIRE
625	LIN FT	4844	CABLE-NO. 14/5C
2,610	LIN FT	4850	CABLE-NO. 14/1 PAIR
320	LIN FT	4885	MESSENGER-10800 LB
560	LIN FT	4895	LOOP SAW SLOT AND FILL
1	EACH	4931	INSTALL SIG CONTROLLER-TYPE 170
4	EACH	4932	INSTALL STEEL STRAIN POLE
8	EACH	20094ES835	TEMPORARY RELOCATION OF SIGNAL HEAD
8	EACH	20188NS835	INSTALL SIGNAL-3 SECTION LED
17.27	CU YD	23157EN	TRAFFIC SIGNAL POLE BASE
1	EACH	23982EC	INSTALL ANTENNA
187	LIN FT	21543EN	BORE AND JACK CONDUIT
1	EACH	4950	REMOVE SIGNAL EQUIPMENT



FILE NAME: C:\PWORK\JEFF.LAIL\00460114\T001005U.DGN

USER: Jeff.Lai
DATE PLOTTED: September 13, 2011

E-SHEET NAME: T001005U

MicroStation v8.11.7.180

DESIGNED BY: TED SWANSEGAR
DATE SUBMITTED: 8/17/2011

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF
BARREN

PROJECT: FD52 005 031E 011-012
NUMBERS: HSIP 3000 (744)

SIGNAL ESTIMATE OF
QUANTITIES

COUNTY OF	ITEM NO.	SHEET NO.
BARREN	3-910.00	T2

BID ITEM NOTES

The Standard Specifications for Road and Bridge Construction, current edition, and other special notes and specifications will apply on this project.

Conduit shall include furnishing and installing specified conduit in accordance with specifications. This item includes conduit fittings, pipe/test plugs, expansion joints, clamps, and weatherheads.

Junction box shall include furnishing and installing specified junction box in accordance with the specifications. This item includes concrete (if required), #57 aggregate, and backfilling and restoration of disturbed areas to the satisfaction of the resident engineer.

Trenching and backfilling shall include excavation, backfilling, and the restoration of disturbed areas to original condition. Incidental to this item shall be furnishing and installing underground utility warning tape (if required).

Wire or cable shall include furnishing and installing specified wire or cable within conduit, saw slot, or overhead as indicated on the detail sheets. Incidental to this item shall be the furnishing and installing of splice boots, cable rings or other hardware required for installing cable. The contractor shall install all cable or wire runs splice-free from the controller to each loop wire, signal head, pedestrian head/detector, camera, blankout sign and audible pedestrian head/detector the cable or wire is feeding. Exceptions to this must be approved by the engineer or as specified on the plans.

Install steel strain pole shall include installing steel strain pole and all necessary hardware as specified on the detail sheets.

Traffic signal pole base shall include excavation, furnishing and placing concrete, reinforcing steel, ground rod(s) and ground wire(s), backfilling and restoring disturbed areas to the satisfaction of the Engineer. Incidental to this item shall be installing anchor bolts and spare conduits furnished under other bid items and as specified on the detail sheets.

Messenger shall include furnishing and installing specified messenger cable for spans. Incidental to this item shall be furnishing and installing associated hardware including dead ends, bolts and washers.

Loop saw slot and fill shall include sawing, cleaning and filling induction loop saw slot with loop sealant material.

Install Signal LED shall include installing specified signal LED indications and proper connection to signal conductors.

Install signal control type 170 shall include installing a 170 controller and cabinet as specified on the detail sheets. This item includes the construction of the concrete base (if required), mounting the cabinet to the base or pole, and the connection of signals and detectors. All materials necessary to build the base shall be provided by the contractor. Incidental to this item shall be installing KYTC supplied induction loop amplifiers, pedestrian isolators, and load switches. This item also includes installing the electrical service. All materials, inspections and fees necessary for the installation of the electrical service shall be provided by the contractor.

Install antenna shall include installing antenna and coaxial cable. The contractor shall furnish and install all other materials to complete the installation.

The Contractor shall be responsible for picking up install items from the Frankfort pole yard and delivering these items to the site. The Contractor shall contact Frankfort pole yard personnel (502-564-3820) and arrange to pick up install items a minimum of two (2) working days prior to arrival. Failure to provide pole yard personnel this advance notice could result in long delays or refusal to distribute equipment upon arrival.

Temporary relocation of signal heads shall include the moving of all affected traffic signals to a new location. This item also includes all necessary cable and splicing hardware (if required) needed to attach the traffic signals at the new location.

Contractor shall be responsible for payment of electric service for all signals. The Kentucky Transportation Cabinet will assume responsibility for payment of electric service when the project is called complete and all testing has been completed. Payment for this item shall be incidental to the cost of the project.

Bore and jack conduit shall include boring a hole for installing conduit under the existing roadway in accordance with the construction method described in the first, second and fourth paragraphs of Section 706.03 of the Standard Specifications. This item does not include furnishing and installing conduit.

Remove signal equipment shall include the removal of all signal equipment not to be reused. Control equipment and signal heads shall be returned to the Department of Highways as directed by the engineer. All other equipment and materials shall be disposed of by the contractor off the project.

FILE NAME: G:\P\WORK\JEFF.LAIL\0468114\T00200SU.DGN

USER: Jeff.Lai
DATE PLOTTED: September 13, 2011

E-SHEET NAME: T00200SU

MicroStation v8.11.7.180
1/5/2011

COUNTY OF	ITEM NO.	SHEET NO.
BARREN	3-910.00	T2

BID ITEM NOTES

The Standard Specifications for Road and Bridge Construction, current edition, and other special notes and specifications will apply on this project.

Conduit shall include furnishing and installing specified conduit in accordance with specifications. This item includes conduit fittings, pipe/test plugs, expansion joints, clamps, and weatherheads.

Junction box shall include furnishing and installing specified junction box in accordance with the specifications. This item includes concrete (if required), #57 aggregate, and backfilling and restoration of disturbed areas to the satisfaction of the resident engineer.

Trenching and backfilling shall include excavation, backfilling, and the restoration of disturbed areas to original condition. Incidental to this item shall be furnishing and installing underground utility warning tape (if required).

Wire or cable shall include furnishing and installing specified wire or cable within conduit, saw slot, or overhead as indicated on the detail sheets. Incidental to this item shall be the furnishing and installing of splice boots, cable rings or other hardware required for installing cable. The contractor shall install all cable or wire runs splice-free from the controller to each loop wire, signal head, pedestrian head/detector, camera, blankout sign and audible pedestrian head/detector the cable or wire is feeding. Exceptions to this must be approved by the engineer or as specified on the plans.

Install steel strain pole shall include installing steel strain pole and all necessary hardware as specified on the detail sheets.

Traffic signal pole base shall include excavation, furnishing and placing concrete, reinforcing steel, ground rod(s) and ground wire(s), backfilling and restoring disturbed areas to the satisfaction of the Engineer. Incidental to this item shall be installing anchor bolts and spare conduits furnished under other bid items and as specified on the detail sheets.

Messenger shall include furnishing and installing specified messenger cable for spans. Incidental to this item shall be furnishing and installing associated hardware including dead ends, bolts and washers.

Loop saw slot and fill shall include sawing, cleaning and filling induction loop saw slot with loop sealant material.

Install Signal LED shall include installing specified signal LED indications and proper connection to signal conductors.

Install signal control type 170 shall include installing a 170 controller and cabinet as specified on the detail sheets. This item includes the construction of the concrete base (if required), mounting the cabinet to the base or pole, and the connection of signals and detectors. All materials necessary to build the base shall be provided by the contractor. Incidental to this item shall be installing KYTC supplied induction loop amplifiers, pedestrian isolators, and load switches. This item also includes installing the electrical service. All materials, inspections and fees necessary for the installation of the electrical service shall be provided by the contractor.

Install antenna shall include installing antenna and coaxial cable. The contractor shall furnish and install all other materials to complete the installation.

The Contractor shall be responsible for picking up install items from the Frankfort pole yard and delivering these items to the site. The Contractor shall contact Frankfort pole yard personnel (502-564-3820) and arrange to pick up install items a minimum of two (2) working days prior to arrival. Failure to provide pole yard personnel this advance notice could result in long delays or refusal to distribute equipment upon arrival.

Temporary relocation of signal heads shall include the moving of all affected traffic signals to a new location. This item also includes all necessary cable and splicing hardware (if required) needed to attach the traffic signals at the new location.

Contractor shall be responsible for payment of electric service for all signals. The Kentucky Transportation Cabinet will assume responsibility for payment of electric service when the project is called complete and all testing has been completed. Payment for this item shall be incidental to the cost of the project.

Bore and jack conduit shall include boring a hole for installing conduit under the existing roadway in accordance with the construction method described in the first, second and fourth paragraphs of Section 706.03 of the Standard Specifications. This item does not include furnishing and installing conduit.

Remove signal equipment shall include the removal of all signal equipment not to be reused. Control equipment and signal heads shall be returned to the Department of Highways as directed by the engineer. All other equipment and materials shall be disposed of by the contractor off the project.

FILE NAME: G:\P\WORK\JEFF.LAIL\0468114\T00200SU.DGN

USER: Jeff.Lai
DATE PLOTTED: September 13, 2011

E-SHEET NAME: T00200SU

MicroStation v8.11.7.180
1/5/2011

CONTRACT ID: 111338
COUNTY: BARREN
PROPOSAL: HSIP 3000 (744)

PAGE: 1
LETTING: 09/23/11
CALL NO: 106

LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
SECTION 0001 PAVING						
0010	00003	CRUSHED STONE BASE	2,225.000	TON		
0020	00020	TRAFFIC BOUND BASE	100.000	TON		
0030	00100	ASPHALT SEAL AGGREGATE	26.600	TON		
0040	00190	LEVELING & WEDGING PG64-22	120.000	TON		
0050	00214	CL3 ASPH BASE 1.00D PG64-22	1,995.000	TON		
0060	00291	EMULSIFIED ASPHALT RS-2	3.200	TON		
0070	00330	CL3 ASPH SURF 0.50A PG64-22	679.000	TON		
0080	02676	MOBILIZATION FOR MILL & TEXT	(1.00)	LS		
0090	02677	ASPHALT PAVE MILLING & TEXTURING	123.000	TON		
SECTION 0002 ROADWAY						
0100	02200	ROADWAY EXCAVATION	2,124.000	CUYD		
0110	02242	WATER	30.000	MGAL		
0120	02484	CHANNEL LINING CLASS III	168.000	TON		
0130	02545	CLEARING AND GRUBBING (1.85 ACRES)	(1.00)	LS		
0140	02562	SIGNS	105.000	SQFT		
0150	02585	EDGE KEY	116.000	LF		
0160	02650	MAINTAIN & CONTROL TRAFFIC	(1.00)	LS		
0170	02690	SAFELOADING	3.670	CUYD		
0180	02726	STAKING	(1.00)	LS		
0190	03262	CLEAN PIPE STRUCTURE	2.000	EACH		

CONTRACT ID: 111338
COUNTY: BARREN
PROPOSAL: HSIP 3000 (744)

PAGE: 2
LETTING: 09/23/11
CALL NO: 106

LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
0200	05950	EROSION CONTROL BLANKET	1,295.000	SQYD		
0210	05966	TOPDRESSING FERTILIZER	0.260	TON		
0220	05985	SEEDING AND PROTECTION	5,002.000	SQYD		
0230	06510	PAVE STRIPING-TEMP PAINT-4 IN	3,752.000	LF		
0240	06514	PAVE STRIPING-PERM PAINT-4 IN	7,503.000	LF		
0250	06547	PAVE STRIPING-THERMO-12 IN Y	229.000	LF		
0260	06568	PAVE MARKING-THERMO STOP BAR-24IN	71.000	LF		
0270	06574	PAVE MARKING-THERMO CURV ARROW	6.000	EACH		
0280	23131ER701	PIPELINE VIDEO INSPECTION	80.000	LF		
0290	23143ED	KPDES PERMIT AND TEMP EROSION CONTROL	(1.00)	LS		
SECTION 0003 DRAINAGE						
0300	00450	ENTRANCE PIPE-15 IN EQUIV	421.000	LF		
0310	00462	CULVERT PIPE-18 IN	80.000	LF		
0320	01450	S & F BOX INLET-OUTLET-18 IN	2.000	EACH		
0330	01544	DROP BOX INLET TYPE 11	1.000	EACH		
0340	02600	FABRIC GEOTEXTILE TY IV FOR PIPE	225.000	SQYD		
SECTION 0004 SIGNALIZATION						
0350	04793	CONDUIT-1 1/4 IN	750.000	LF		
0360	04795	CONDUIT-2 IN	270.000	LF		
0370	04811	JUNCTION BOX TYPE B	9.000	EACH		
0380	04820	TRENCHING AND BACKFILLING	828.000	LF		

CONTRACT ID: 111338
COUNTY: BARREN
PROPOSAL: HSIP 3000 (744)

PAGE: 3
LETTING: 09/23/11
CALL NO: 106

LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
0390	04830	LOOP WIRE	1,486.000	LF		
0400	04844	CABLE-NO. 14/5C	625.000	LF		
0410	04850	CABLE-NO. 14/1 PAIR	2,610.000	LF		
0420	04885	MESSENGER-10800 LB	320.000	LF		
0430	04895	LOOP SAW SLOT AND FILL	560.000	LF		
0440	04931	INSTALL CONTROLLER TYPE 170	1.000	EACH		
0450	04932	INSTALL STEEL STRAIN POLE	4.000	EACH		
0451	04950	REMOVE SIGNAL EQUIPMENT (ADDED: 9-13-11)	1.000	EACH		
0460	20094ES835	TEMP RELOCATION OF SIGNAL HEAD	8.000	EACH		
0470	20188NS835	INSTALL LED SIGNAL-3 SECTION	8.000	EACH		
0480	21543EN	BORE AND JACK CONDUIT	187.000	LF		
0490	23157EN	TRAFFIC SIGNAL POLE BASE	17.270	CUYD		
0500	23982EC	INSTALL ANTENNA	1.000	EACH		
SECTION 0005 DEMOBILIZATION						
0510	02569	DEMOBILIZATION (AT LEAST 1.5%)		LUMP		
		TOTAL BID				