

Matthew G. Bevin Governor

## COMMONWEALTH OF KENTUCKY TRANSPORTATION CABINET

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

November 5, 2018

**Greg Thomas**Secretary

CALL NO. 202

CONTRACT ID NO. 184112

ADDENDUM # 1

Subject: HENDERSON-DAVIESS-UNION-CHIRSTIAN COUNTIES, 121GR18T005-HSIP

Letting November 16, 2018

(1) Revised - Material Summary - Pages 88-92 of 238

(2) Revised - Traffic Signal Plan Sheet T1 - Page 134 of 238

(3) Revised - Signal Plan Sheet T13 - Page 146 of 238

(4) Revised - Proposal Bid Items - Pages 236-238 of 238

Proposal revisions are available at <a href="http://transportation.ky.gov/Construction-procurement/">http://transportation.ky.gov/Construction-procurement/</a>.

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

Sincerely,

Rachel Mills, P.E.

Director

Division of Construction Procurement

Kachel Mille

RM:mr

Enclosures



### REVISED ADDENDUM #1: 11-5-18 Contract ID: 184112 Page 88 of 238

## **MATERIAL SUMMARY**

CONTRACT ID: 184112 121GR18T00	5-HSIP 0202416821801
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HOPKINSVILLE BYPASS (KY 1682) IMPROVEMENTS AT THE INTERSECTION OF KY 1682 & KY 109 SIGNS-LIGHTING-SIGNALS, A DISTANCE OF .2 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0195	02650	MAINTAIN & CONTROL TRAFFIC - KY 1682 AT KY 109	1.00	LS
0200	02726	STAKING - KY 1682 AT KY 109	1.00	LS
0205	04844	CABLE-NO. 14/5C	1,400.00	LF
0210	24955ED	REMOVE SIGNAL EQUIPMENT	1.00	EACH
0215	20188NS835	INSTALL LED SIGNAL-3 SECTION	13.00	EACH
0220	02569	DEMOBILIZATION	1.00	LS

CONTRACT ID: 184112 121GR18T005-HSIP 0203004311801

FREDERICA ST (US 431) IMPROVEMENTS AT THE INTERSECTION OF US 431 AND SALEM/GOETZ DRIVE. ASPHALT SURFACE WITH GRADE & DRAIN, A DISTANCE OF .17 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0435	00001	DGA BASE	588.00	TON
0440	00100	ASPHALT SEAL AGGREGATE	11.00	TON
0445	00103	ASPHALT SEAL COAT	1.30	TON
0450	00216	CL3 ASPH BASE 1.00D PG76-22	895.00	TON
0455	00332	CL3 ASPH SURF 0.50A PG76-22	386.00	TON
0460	00356	ASPHALT MATERIAL FOR TACK	1.70	TON
0465	00462	CULVERT PIPE-18 IN	26.00	LF
0470	01011	NON-PERFORATED PIPE-6 IN	4.00	LF
0475	01025	PERF PIPE HEADWALL TY 2-6 IN	1.00	EACH
0480	01310	REMOVE PIPE	4.00	LF
0485	01811	STANDARD CURB AND GUTTER MOD	585.00	LF
0490	01875	STANDARD HEADER CURB	37.00	LF
0495	01890	ISLAND HEADER CURB TYPE 1	10.00	LF
0500	01915	STANDARD BARRIER MEDIAN TYPE 1	118.00	SQYD
0505	02099	CEM CONC ENT PAVEMENT-6 IN	45.00	SQYD
0510	02200	ROADWAY EXCAVATION	1,105.00	CUYD
0515	02460	REMOVE TREES OR STUMPS	8.00	EACH
0520	02483	CHANNEL LINING CLASS II	14.00	TON
0525	02625	REMOVE HEADWALL	2.00	EACH
0530	02650	MAINTAIN & CONTROL TRAFFIC - US 431 AT SALEM/ GOETZ DRIVE	1.00	LS
0535	02676	MOBILIZATION FOR MILL & TEXT - US 431 AT SALEM/ GOETZ DRIVE	1.00	LS
0540	02677	ASPHALT PAVE MILLING & TEXTURING	247.00	TON
0545	02726	STAKING - US 431 AT SALEM/GOETZ DRIVE	1.00	LS
0550	02720	SIDEWALK-4 IN CONCRETE	73.00	SQYD
0555	02721	REMOVE CONCRETE SIDEWALK	130.00	SQYD

## **MATERIAL SUMMARY**

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0560	06407	SBM ALUM SHEET SIGNS .125 IN	22.30	SQFT
0565	06410	STEEL POST TYPE 1	200.00	LF
0570	06514	PAVE STRIPING-PERM PAINT-4 IN	5,283.00	LF
0575	06568	PAVE MARKING-THERMO STOP BAR-24IN	184.00	LF
0580	06569	PAVE MARKING-THERMO CROSS-HATCH	66.00	SQFT
0585	06574	PAVE MARKING-THERMO CURV ARROW	19.00	EACH
0590	06598	PAVEMENT MARKING REMOVAL	120.00	SQFT
0595	20430ED	SAW CUT	1,768.00	LF
0600	20597EC	DITCH EXCAVATION	180.00	CUYD
		EROSION CONTROL - US 431 AT SALEM/GOETZ		
0605	21415ND	DRIVE	1.00	LS
0610	21596ND	GMSS TYPE D - SURFACE MOUNT	4.00	EACH
0615	24631EC	BARCODE SIGN INVENTORY	2.00	EACH
0620	22664EN	WATER BLASTING EXISTING STRIPE	54.00	LF
0625	22861EN	HIGH STRENGTH GEOTEXTILE FABRIC TY V	1,342.00	SQYD
0630	23839EC	REMOVE CONCRETE MEDIAN	39.00	SQYD
2225	0.457550040	HEADWALL - (SLOPED & MITERED CONCRETE - FOR	0.00	E 4 01 1
0635		18 INCH PIPE)		EACH
0640	24679ED	PAVE MARK THERMO CHEVRON	292.00	SQFT
0645	24683ED	PAVE MARKING-THERMO DOTTED LANE EXTEN - (6"	28.00	LF
0650		FIBER REINFORCEMENT FOR HMA	943.00	TON
0655		FLUME INLET TY 2-MOD	2.00	
0660		RELOCATE LIGHT POLE	1.00	
0665		BRACKET 12 FT	4.00	
0670		CONDUIT-1 IN	21.00	LACIT
0675		ELECTRICAL JUNCTION BOX TYPE B	4.00	
0680		TRENCHING AND BACKFILLING	106.00	LF
0685		LOOP WIRE	2,634.00	LF
0690		CABLE-NO. 14/5C	1,527.00	LF
0695		CABLE-NO. 14/7C	129.00	LF
0700		CABLE-NO. 14/1 PAIR	1,461.00	
0705		MESSENGER-10800 LB	462.00	LF
0710		LOOP SAW SLOT AND FILL	974.00	LF
0715		INSTALL SIGNAL CONTROLLER-TY ATC		EACH
0720		INSTALL STEEL STRAIN POLE		EACH
0725		REMOVE SIGNAL EQUIPMENT	1.00	
0730		INSTALL SPAN MOUNTED SIGN		EACH
0735		INSTALL LED SIGNAL-3 SECTION		EACH
0740		INSTALL LED SIGNAL-5 SECTION		EACH
0745		INSTALL LED SIGNAL- 4 SECTION		EACH
0750		INSTALL COORDINATING UNIT		EACH
0755		TEMP RELOCATION OF SIGNAL HEAD		EACH
0760		TRAFFIC SIGNAL POLE BASE	17.20	
0765		PVC CONDUIT-1 1/4 IN-SCHEDULE 80	75.00	LF
0770		PVC CONDUIT-2 IN-SCHEDULE 80	105.00	LF
37.70		INSTALL - WIRE	100.00	
0775	24617EC	(REVISED: 11-5-18)	1,000.00	LF
0780	02569	DEMOBILIZATION	1.00	LS
0785	21813NN	REMOVE AND RELOCATE SHEET SIGNS	18.00	EACH

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## **MATERIAL SUMMARY**

CONTRACT ID: 184112	121GR18T005-HSIP	020302831801
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FREDERICA ST (KY 2831) IMPROVEMENTS AT THE INTERSECTION KY 2831 AND KY 54/KY 81 SIGNS-LIGHTING-SIGNALS, A DISTANCE OF .14 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0225	02650	MAINTAIN & CONTROL TRAFFIC - KY 2831 AT KY 54/KY 81	1.00	LS
0230	00330	CL3 ASPH SURF 0.50A PG64-22	363.00	TON
0235	00356	ASPHALT MATERIAL FOR TACK	.90	TON
0240	02676	MOBILIZATION FOR MILL & TEXT - KY 2831 AT KY 54/KY 81	1.00	LS
0245	02726	STAKING - KY 2831 AT KY 54/KY 81	1.00	LS
0250	02677	ASPHALT PAVE MILLING & TEXTURING	363.00	TON
0255	06514	PAVE STRIPING-PERM PAINT-4 IN	2,449.00	LF
0260	06565	PAVE MARKING-THERMO X-WALK-6 IN	450.00	LF
0265	06568	PAVE MARKING-THERMO STOP BAR-24IN	106.00	LF
0270	06569	PAVE MARKING-THERMO CROSS-HATCH	143.00	SQF
0275	06574	PAVE MARKING-THERMO CURV ARROW	6.00	EAC
0280	24679ED	PAVE MARK THERMO CHEVRON	95.00	SQF
0285	04700	POLE 30 FT MTG HT	1.00	EAC
0290	04721	BRACKET 6 FT	1.00	EAC
0295	04780	FUSED CONNECTOR KIT	7.00	EAC
0300	04792	CONDUIT-1 IN	20.00	LF
0305	04795	CONDUIT-2 IN	450.00	LF
0310	04811	ELECTRICAL JUNCTION BOX TYPE B	6.00	EAC
0315	04820	TRENCHING AND BACKFILLING	190.00	LF
0320	04821	OPEN CUT ROADWAY	176.00	LF
0325	04830	LOOP WIRE	1,928.00	LF
0330	04844	CABLE-NO. 14/5C	3,859.00	LF
0335	04850	CABLE-NO. 14/1 PAIR	1,015.00	LF
0340	04881	MAST ARM POLE	2.00	EAC
0345	04895	LOOP SAW SLOT AND FILL	732.00	LF
0350	24908EC	INSTALL SIGNAL CONTROLLER-TY ATC	1.00	EAC
0355	24955ED	REMOVE SIGNAL EQUIPMENT	1.00	EAC
0360	04960	REMOVE AND REPLACE SIDEWALK	24.00	SQY
0365	20093NS835	INSTALL PEDESTRIAN HEAD-LED	8.00	EAC
0370	20188NS835	INSTALL LED SIGNAL-3 SECTION	10.00	EAC
0375	20266ES835	INSTALL LED SIGNAL- 4 SECTION	4.00	EAC
0380	20390NS835	INSTALL COORDINATING UNIT	1.00	EAC
0385	20391NS835	ELECTRICAL JUNCTION BOX TYPE A	3.00	EAC
0390	23158ES505	DETECTABLE WARNINGS	10.00	SQF
0395	21543EN	BORE AND JACK CONDUIT	176.00	LF
0400	21743NN	INSTALL PEDESTRIAN DETECTOR	8.00	EAC
0405	23157EN	TRAFFIC SIGNAL POLE BASE	6.60	CUY
0410	24856ED	TRAFFIC SIGNAL POLE BASE ALTERNATE	2.00	EAC
0415	24900EC	PVC CONDUIT-1 1/4 IN-SCHEDULE 80	34.00	LF
0420	24901EC	PVC CONDUIT-2 IN-SCHEDULE 80	1,000.00	LF
0425	24617EC	INSTALL - WIRE (REVISED: 11-5-18)	1,305.00	LF

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## **MATERIAL SUMMARY**

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0430	02569	DEMOBILIZATION	1.00	LS

CONTRACT ID: 184112 121GR18T005-HSIP 02051041A1801

NORTH GREEN STREET (US 41A) IMPROVEMENTS AT THE INTERSECTION OF US 41A AND RICHARDSON AVENUE GRADE & DRAIN, A DISTANCE OF .1 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0035		MAINTAIN & CONTROL TRAFFIC - US 41A @ RICHARDSON AVENUE	1.00	LS
0040	02726	STAKING - US 41A @ RICHARDSON AVENUE	1.00	LS
0045	01919	STANDARD BARRIER MEDIAN TYPE 3	76.00	SQYD
0050	06406	SBM ALUM SHEET SIGNS .080 IN	38.60	SQFT
0055	06410	STEEL POST TYPE 1	104.00	LF
0060	06514	PAVE STRIPING-PERM PAINT-4 IN	1,199.00	LF
0065	06569	PAVE MARKING-THERMO CROSS-HATCH	306.00	SQFT
0070	06574	PAVE MARKING-THERMO CURV ARROW	5.00	EACH
0075	21373ND	REMOVE SIGN	5.00	EACH
0800	22520EN	PAVE MARKING-THERMO YIELD BAR-36 IN	35.00	LF
0085	23839EC	REMOVE CONCRETE MEDIAN	14.00	SQYD
0090	24631EC	BARCODE SIGN INVENTORY	8.00	EACH
0095	02569	DEMOBILIZATION	1.00	LS

CONTRACT ID: 184112	121GR18T005-HSIP	02051041A1802

NORTH GREEN STREET (US 41A) IMPROVEMENTS AT THE INTERSECTION OF US 41A AND WASHINGTON STREET SIGNS-LIGHTING-SIGNALS, A DISTANCE OF .1 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0005		MAINTAIN & CONTROL TRAFFIC - US 41A @ WASHINGTON STREET	1.00	LS
0010	02726	STAKING - US 41A @ WASHINGTON STREET	1.00	LS
0015	04844	CABLE-NO. 14/5C	255.00	LF
0020		REMOVE SIGNAL EQUIPMENT - US 41A @ WASHINGTON STREET	1.00	EACH
0025	20188NS835	INSTALL LED SIGNAL-3 SECTION	10.00	EACH
0030	02569	DEMOBILIZATION	1.00	LS

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## **MATERIAL SUMMARY**

CONTRACT ID: 184112	121GR18T005-HSIP	02051041A1803
		02001011111000

NORTH GREEN STREET (US 41A) IMPROVEMENTS AT THE INTERSECTION OF US 41A AND 5TH STREET SIGNS-LIGHTING-SIGNALS, A DISTANCE OF .1 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0125	04844	CABLE-NO. 14/5C	220.00	LF
0130	20188NS835	INSTALL LED SIGNAL-3 SECTION	10.00	EACH
0135		MAINTAIN & CONTROL TRAFFIC - US 41A @ 5TH STREET	1.00	LS
0140	02726	STAKING - US 41A @ 5TH STREET	1.00	LS
0145	24955ED	REMOVE SIGNAL EQUIPMENT - US 41A @ 5TH STREET	1.00	EACH
0150	02569	DEMOBILIZATION	1.00	LS

US HIGHWAY 431 (US 431) IMPROVEMENTS NEAR THE INTERSECTION OF US 431 AND KY 85 THERMOPLASTIC PAVEMENT STRIPING, A DISTANCE OF .5 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0100	06569	PAVE MARKING-THERMO CROSS-HATCH	4,440.00	SQFT
0105	02650	MAINTAIN & CONTROL TRAFFIC - US 431 & KY 85	1.00	LS
0110	02726	STAKING - US 431 & KY 85	1.00	LS
0115	01987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	50.00	EACH
0120	02569	DEMOBILIZATION	1.00	LS

CONTRACT ID: 184112 121GR18T005-HSIP 0211300601801

US HIGHWAY 60 (US 60) IMPROVEMENTS AT THE INTERSECTION OF US 60, US 60B, & KY 3393. SIGNS-LIGHTING-SIGNALS, A DISTANCE OF .1 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0155	02650	MAINTAIN & CONTROL TRAFFIC - US 60 AT US 60 BYPASS/KY3393	1.00	LS
0160	02726	STAKING - US 60 AT US 60 BYPASS/KY 3393	1.00	LS
0165	04844	CABLE-NO. 14/5C	2,750.00	LF
0170	20188NS835	INSTALL LED SIGNAL-3 SECTION	12.00	EACH
0175	21659NN	RELOCATE SIGNAL HEAD	8.00	EACH
0180	20390NS835	INSTALL COORDINATING UNIT	1.00	EACH
0185	24908EC	INSTALL SIGNAL CONTROLLER-TY ATC	1.00	EACH
0190	02569	DEMOBILIZATION	1.00	LS

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# TRAFFIC SIGNAL . ESTIMATE OF QUANTITIES

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121GR18T005	1	-			•	•	•		•				•																													
12198101003	3-3-2018					24617EC	2490IEC	24900EC	24856ED	23157EN	21743NN	20094ES835	21543EN	23158ES505	2039INS835	20390NS835	20266ES835	20189NS835	20188NS835	20093NS835	6472	4960	24955ED	4932	24908EC	4895	4885	4881	4850	4845	4844	4830	4821	4820	4811	4795	4792	4780	4724	4721	4700	ITEM
		OPTICOM CONFIRMATION LIGHT CABLE	OPTICOM DETECTION CABLE	12-2 UF W/ GROUND	• INSTALL WIRE INCLUDES THE FOLLOWING:	INSTALL WIRE .	CONDUIT - 2 INCH - SCI	PVC CONDUIT - 11/4 INCH - SCHEDULE 80	TRAFFIC SIGNAL POLE BASE ALTERNATIVE	TRAFFIC SIGNAL POLE BASE	INSTALL PEDESTRIAN DETECTOR	TEMPORARY RELOCATION OF SIGNAL HEAD	BORE AND JACK CONDUIT	DETECTABLE WARNINGS	ELECTRICAL JUNCTION BOX TYPE A	INSTALL COORDINATING UNIT	INSTALL SIGNAL - 4 SECTION LED	INSTALL SIGNAL - 5 SECTION LED	INSTALL SIGNAL - 3 SECTION LED	INSTALL PEDESTRIAN HEAD LED	INSTALL SPAN MOUNTED SIGN	REMOVE AND REPLACE SIDEWALK	REMOVE SIGNAL EQUIPMENT	STEEL STRAIN POLE		SLOT AN	MESSENGER - 10800 LB	ARM P	CABLE - NO. 14/1 PAIR	- NO.	CABLE - NO. 14/5C	LOOP WIRE	OPEN CUT ROADWAY	TRENCHING AND BACKFILLING	ELECTRICAL JUNCTION BOX TYPE B	CONDUIT - 2 INCH	CONDUIT - 1 INCH	FUSED CONNECTOR KIT	BRACKET 12'	BRACKET 6'	POLE 30' MTG HT	ITEM
		LIN FT	LIN FT	LIN FT		LIN FT	LIN FT	LIN FT	EACH	CU YD	EACH	EACH	LIN FT	SQ FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	SO YD	EACH	EACH	EACH	LIN FT	LIN FT	EACH	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	EACH	LIN FT	LIN FT	EACH	EACH	EACH	EACH	TINU
		,	430	875		1305	1000	34	2	6.6	œ	,	176	10	u	-	4	,	10	œ	,	24	-		-	732		2	1015		3859	1928	176	190	6	450	20	7	,	-	-	KY 2831 @ KY 54 / KY 81
		115	115	770		1000	105	75		17.2		30			1	-	3	_	=		5	,	-	4	-	974	462		1461	129	1527	2634	,	106	4	,	21	1	4	1	-	US 431 @ SALEM DR./ GOETZ DR.
		115	545	1645		2305	1105	109	2	23.8	80	30	176	10	3	2	7	_	21	œ	5	24	2	4	2	1706	462	2	2476	129	5386	4562	176	296	10	450	4	7	4	_	_	TOTAL
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THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION, AND OTHER SPECIAL NOTES AND SPECIFICATIONS WILL APPLY ON THIS PROJECT, SEE SECTION 762, T23, AND 112 FOR MEASUREMENT AND OTHER DETAIL SEE SECTION 602 FOR SPRIAL REINFORCEMENT SPLICING.

COUNTY OF DAVIESS

SHEET NO. ⊒

2-9004.10/ ITEM NO.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PICKING UP INSTALL ITEMS FROM THE FRANKFORT FOLE YARD AND DELIVERING THESE ITEMS TO THE STIE. THE STEEL THE FRANKFORT FOLE YARD PERSONNEL (502-782-8994/S02-330-8193 OR EMAIL KIM.STAWFERØKY.GOV) AND ARRANGE TO PICK UP INSTALL ITEMS A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO ARRYLAL. THE CONTRACTOR SHALL ALSO CONTACT THE SIGNAL SYSTEM BRANCH H502-782-5547/502-782-5547 OR EMAIL ODE. THOMPSONMKY.GOV/ LARRY.IRISHØKY.GOV/ DARRANGE PROGRAMMING OF THE GOOTHER USED FOR COMMUNCTION IN THE TRAFFIC SIGNAL A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO ARRIVAL. FAILURE TO PROVIDE POLE YARD PERSONNEL/SIGNAL SYSTEM BRANCH THIS ADVANCE NOTICE COULD RESULT IN LONG DELAYS OR REFUSAL TO DISTRIBUTE EQUIPMENT UPON ARRIVAL.

DD SENTENCE TO SECTION 835.15. ALL WIRE SHALL HAVE WORDING ADDED TO THE OUTER ACKET THAT STATES: "PROPERTY OF KENTUCKY TRANSPORTATION CABINET 502 564 501:

SUBSECTION: REVISION:

04.22 REMOVE SIGNAL EQUIPMENT, CONSTRUCTION ONLY)
REPLACE THE PARAGRAPH WITH THE FOLLOWING:
THE DEPARTMENT WILL MESSURE THE QUANTITY BY EACH. THE DEPARTMENT WILL
NOT MEASURE BACKFILLING AND THE DISPOSAL OR TRANSPORTATION OF EQUIPMENT
MATERIALS ASSOCIATED WITH ANY STRUCTURAL OR ELECTRICAL COMPONENT OF
SIGNAL SYSTEM INCLUDING, BUT NOT LIMITED TO POLE BASES, POLES, JUNCTION
BOXES, CABINETS, AND WOOD POLES FOR PAYMENT AND WILL CONSIDER THEM
INCIDENTAL TO THIS ITEM OF WORK.

THE OND

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

SUBSECTION: 03.02 POLES AND BASES INSTALLATION. A) REVISION: REPLACE ENTIRE TABLE WITH THE FOLLOWING: MAXIMUM SERVI FORCES CONSTRUCTION AND MEASUREMENT NOTES THAT ARE CONTRARY TO SECTION 723

NETALL WIRE SHALL INCLUDE INSTALLING SPECIFIED WIRES OR CABLE AS INDICATED ON HE PLAN SHETES. THE WIRES OR CABLE AS WILL BE FURNISHED BY OWENSBORO MUNICIPAL HE PLAN SHETES. THE WIRES OR CABLES WILL BE SHOUSHED BY OWENSBORO MUNICIPAL FILES (OMU), CONTACT KEVIN BOWLDS, 270-313-4387, TO ARRANGE PICK UP. ASUREMENT NOTES THAT ARE IN ADDITION TO SECTION 716:

> SUBSECTION: REVISION: MATERIAL

NOTES THAT ARE CONTRARY TO SECTION 835

07.02 MAST ARM POLES
REPLACE ENTIRE 9.NOTE FOR 'THE DETAIL ANALYSIS SHALL INCLUDE,
BUT NOT BE LIMITED TO, THE FOLLOWING CALCULATIONS: WITH THE
FOLLOWING:
LIMIT VERTICAL DEFLECTION TO 8 INCHES FOR GALLOPING FOR ALL ARMS

DNSTRUCTION AND MEASUREMENT NOTES THAT ARE CONTRARY TO SECTION 716

REVISION:

CITION. 04.01 POLE

ADD THE FOILDWING:

ADD THE FOILDWING:

POLE SHALL INCLUDE A TRANSFORMER BASE FURNISHED AND INSTALLED PER UNIT.

TRANSFORMER BASE SHALL INCLUDE ALL RECUIRED MATERIALS AND HARWARE AS SPECIFIED

IN THE STANDARD SPECIFICATIONS, THE TRANSFORMER BASE SHALL BE CONSIDERED

INCIDENTAL TO THE BID ITEM POLE, ALL LABOR AND MATERIAL RECUIRED TO INSTALL NEW

ANCHOR BOLTS. IN EXISTING CONCRETE BASE AS DESCRIBED BELOW SHALL BE CONSIDERED

INCIDENTAL TO THE BID ITEM POLE.

ROCEDURE TO FIX ANCHOR BOLTS, DRILL EXISTING BOLT FROM CONCRETE, FOR UP 1001 POLE WITH 15 FOOT JAM DRILL A 70 EMBEDMENT DEPTH AND USE THE 200 HILTI NCHORING SYSTEM OR APPROVED EQUAL. FOR ANY POLE 30 FOOT WITH 8 FOOT ARM ONER, DRILL A 19 EMBEDMENT DEPTH AND USE 500 HILTI ANCHORING SYSTEM OR PROVED EQUAL. or SR 40

EASUREMENT NOTES THAT ARE IN ADDITION TO SECTION 723

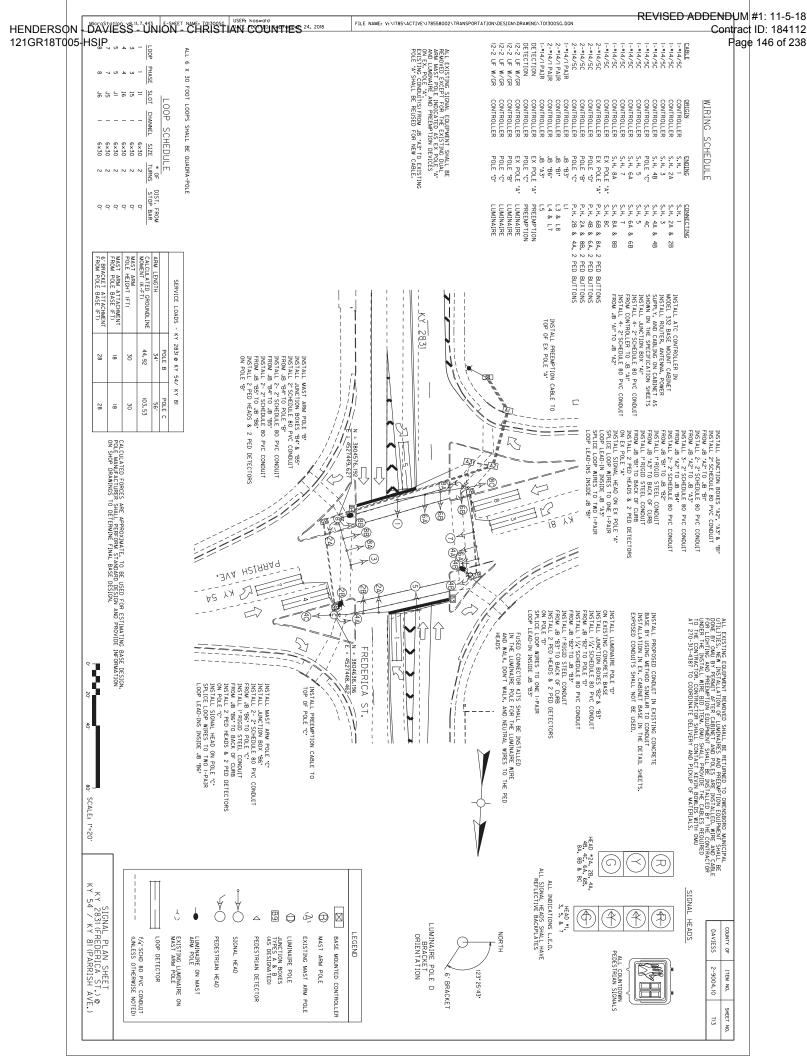
INSTALL SIGNAL CONTROLLER TYPE ATC. THE DEPARTMENT WILL MEASURE
THE OWANTITY AS EACH INDIVIDUAL UNIT INSTALLED, THE DEPARTMENT WILL NOT
MEASURE THE CONCRETE BASE, MOUNTING THE CABINET, CONNECTING THE SIGNAL
AND DETECTORS, EXCAVATION, BACKFILLING, RESTORATION, ANY NECESSARY POLE
MOUNTING HARDWARE, ELECTRIC SERVICE, ELECTRICAL INSPECTION FEES, AND
REGUIRED BUILDING FEES INVOLVING UTILITY SECONDARY/PRIMARY SERVICE FOR
PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK. THE
DEPARTMENT WILL ALSO NOT MEASURE CONNECTING THE INDUCTION LOOP
AMPLIFIERS, PEDESTRIAN ISON ATORS, LOAD SWITCHES, MODEL 400 MODEM CARD
FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF
MORK, THE DEFARTMENT WILL ALSO NOT MEASURE FURNISHING AND INSTALLING
ELECTRICAL SERVICE CONDUCTORS, CONDUITS, ANCHORS, METER BASE, FUSED
CUTOUT, FUSES, GROUND RODS, GROUND LUGS, AND GROUND WIRES FOR PAYMENT
AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK. ELECTRICAL SERVICE CUTOUT, FUSES, GRC AND WILL CONSIDER

MAX SERVICE MOMENT (FT-KIPS) 

<b>2000 - 2</b>	(INT)	DIAMETER		VICE
NNNS O-01410-000-00	SOIL	^		DRILLED
ุ¬!¬¬๑๑๑๑๑๑๑๑๑๑๑๑๑๑๑๑๑๑๑๑๑๑๑๑๑๑๑๑๑๑๑๑๑๑	ROCK	2:1 GROUND SLOPE	DEPTH (F	DRILLED SHAFT DATA
2 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	SOIL	2:1 GRC	(FEET)	
ุ่ม-ุ่ม¬ตุกอกอกกอกกอกกอกกอกกอกกอกกอกกอกกอกกอกกอกก	ROCK	2:1 GROUND SLOPE*		
<u> </u>	SIZE	VERTIC		
###############	TOTAL	VERTICAL BARS		
***************************************	SIZE	BAR	TIES	
กัก <sup>อ</sup> กักกักกักกักกักกัก	OR PITCH (IN.)	SPACING	IES OR SPIRAL	

CTANTEC	00000000000000000000000000000000000000
Bob.	B. L. FLENER 1 SONAL PROVIDENCE OF KEN
Digitallysign	ER . A. Y. C. L.

	GNED BY: STANTEC		antiniti.	And a
- Duta 2010 00 27	Bob L. Dgitally signed by Bob L. Rener, P.E.	ANTHHIII III	SONAL ENGINE	ER.



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### **PROPOSAL BID ITEMS**

184112

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Report Date 11/5/18

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	<b>UNIT PRIC</b>	FP	AMOUNT
0010	00001		DGA BASE	588.00	TON		\$	
0020	00100		ASPHALT SEAL AGGREGATE	11.00	TON		\$	
0030	00103		ASPHALT SEAL COAT	1.30	TON		\$	
0040	00216		CL3 ASPH BASE 1.00D PG76-22	895.00	TON		\$	
0050	00330		CL3 ASPH SURF 0.50A PG64-22	363.00	TON		\$	
0060	00332		CL3 ASPH SURF 0.50A PG76-22	386.00	TON		\$	
0070	00356		ASPHALT MATERIAL FOR TACK	2.60	TON		\$	
0800	02676		MOBILIZATION FOR MILL & TEXT KY 2831 AT KY 54/KY 81	1.00	LS		\$	
0090	02677		ASPHALT PAVE MILLING & TEXTURING	363.00	TON		\$	
0100	22861EN		HIGH STRENGTH GEOTEXTILE FABRIC TY V	1,342.00	SQYD		\$	
0110	24785EC		FIBER REINFORCEMENT FOR HMA	943.00	TON		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT DESCRIPTION	QUANTITY	UNIT	<b>UNIT PRIC</b>	FP	AMOUNT
0120	00462	CULVERT PIPE-18 IN	26.00	LF		\$	
0130	01011	NON-PERFORATED PIPE-6 IN	4.00	LF		\$	
0140	01025	PERF PIPE HEADWALL TY 2-6 IN	1.00	EACH		\$	
0150	01310	REMOVE PIPE	4.00	LF		\$	
0160	01811	STANDARD CURB AND GUTTER MOD	585.00	LF		\$	
0170	01875	STANDARD HEADER CURB	37.00	LF		\$	
0180	01890	ISLAND HEADER CURB TYPE 1	10.00	LF		\$	
0190	01915	STANDARD BARRIER MEDIAN TYPE 1	118.00	SQYD		\$	
0200	01919	STANDARD BARRIER MEDIAN TYPE 3	76.00	SQYD		\$	
0210	01987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	50.00	EACH		\$	
0220	02099	CEM CONC ENT PAVEMENT-6 IN	45.00	SQYD		\$	
0230	02200	ROADWAY EXCAVATION	1,105.00	CUYD		\$	
0240	02460	REMOVE TREES OR STUMPS	8.00	EACH		\$	
0250	02483	CHANNEL LINING CLASS II	14.00	TON		\$	
0260	02625	REMOVE HEADWALL	2.00	EACH		\$	
0270	02650	MAINTAIN & CONTROL TRAFFIC US 431 AT SALEM/GOETZ DRIVE	1.00	LS		\$	
0280	02650	MAINTAIN & CONTROL TRAFFIC US 60 AT US 60 BYPASS/KY3393	1.00	LS		\$	
0290	02650	MAINTAIN & CONTROL TRAFFIC KY 1682 AT KY 109	1.00	LS		\$	
0300	02650	MAINTAIN & CONTROL TRAFFIC KY 2831 AT KY 54/KY 81	1.00	LS		\$	
0310	02650	MAINTAIN & CONTROL TRAFFIC US 41A @ 5TH STREET	1.00	LS		\$	
0320	02650	MAINTAIN & CONTROL TRAFFIC US 41A @ RICHARDSON AVENUE	1.00	LS		\$	
0330	02650	MAINTAIN & CONTROL TRAFFIC US 41A @ WASHINGTON STREET	1.00	LS		\$	
0340	02650	MAINTAIN & CONTROL TRAFFIC US 431 & KY 85	1.00	LS		\$	

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### **PROPOSAL BID ITEMS**

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Report Date 11/5/18

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	<b>UNIT PRIC</b>	FP	AMOUNT
0010	00001		DGA BASE	588.00	TON		\$	
0020	00100		ASPHALT SEAL AGGREGATE	11.00	TON		\$	
0030	00103		ASPHALT SEAL COAT	1.30	TON		\$	
0040	00216		CL3 ASPH BASE 1.00D PG76-22	895.00	TON		\$	
0050	00330		CL3 ASPH SURF 0.50A PG64-22	363.00	TON		\$	
0060	00332		CL3 ASPH SURF 0.50A PG76-22	386.00	TON		\$	
0070	00356		ASPHALT MATERIAL FOR TACK	2.60	TON		\$	
0800	02676		MOBILIZATION FOR MILL & TEXT KY 2831 AT KY 54/KY 81	1.00	LS		\$	
0090	02677		ASPHALT PAVE MILLING & TEXTURING	363.00	TON		\$	
0100	22861EN		HIGH STRENGTH GEOTEXTILE FABRIC TY V	1,342.00	SQYD		\$	
0110	24785EC		FIBER REINFORCEMENT FOR HMA	943.00	TON		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT DESCRIPTION	QUANTITY	UNIT	<b>UNIT PRIC</b>	FP	AMOUNT
0120	00462	CULVERT PIPE-18 IN	26.00	LF		\$	
0130	01011	NON-PERFORATED PIPE-6 IN	4.00	LF		\$	
0140	01025	PERF PIPE HEADWALL TY 2-6 IN	1.00	EACH		\$	
0150	01310	REMOVE PIPE	4.00	LF		\$	
0160	01811	STANDARD CURB AND GUTTER MOD	585.00	LF		\$	
0170	01875	STANDARD HEADER CURB	37.00	LF		\$	
0180	01890	ISLAND HEADER CURB TYPE 1	10.00	LF		\$	
0190	01915	STANDARD BARRIER MEDIAN TYPE 1	118.00	SQYD		\$	
0200	01919	STANDARD BARRIER MEDIAN TYPE 3	76.00	SQYD		\$	
0210	01987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	50.00	EACH		\$	
0220	02099	CEM CONC ENT PAVEMENT-6 IN	45.00	SQYD		\$	
0230	02200	ROADWAY EXCAVATION	1,105.00	CUYD		\$	
0240	02460	REMOVE TREES OR STUMPS	8.00	EACH		\$	
0250	02483	CHANNEL LINING CLASS II	14.00	TON		\$	
0260	02625	REMOVE HEADWALL	2.00	EACH		\$	
0270	02650	MAINTAIN & CONTROL TRAFFIC US 431 AT SALEM/GOETZ DRIVE	1.00	LS		\$	
0280	02650	MAINTAIN & CONTROL TRAFFIC US 60 AT US 60 BYPASS/KY3393	1.00	LS		\$	
0290	02650	MAINTAIN & CONTROL TRAFFIC KY 1682 AT KY 109	1.00	LS		\$	
0300	02650	MAINTAIN & CONTROL TRAFFIC KY 2831 AT KY 54/KY 81	1.00	LS		\$	
0310	02650	MAINTAIN & CONTROL TRAFFIC US 41A @ 5TH STREET	1.00	LS		\$	
0320	02650	MAINTAIN & CONTROL TRAFFIC US 41A @ RICHARDSON AVENUE	1.00	LS		\$	
0330	02650	MAINTAIN & CONTROL TRAFFIC US 41A @ WASHINGTON STREET	1.00	LS		\$	
0340	02650	MAINTAIN & CONTROL TRAFFIC US 431 & KY 85	1.00	LS		\$	

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## 184112 PROPOSAL BID ITEMS

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### Report Date 11/5/18

		Report Date 11/0/10					
LINE	BID CODE	ALT DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0350	02676	MOBILIZATION FOR MILL & TEXT US 431 AT SALEM/GOETZ DRIVE	1.00	LS		\$	
0360	02677	<b>ASPHALT PAVE MILLING &amp; TEXTURING</b>	247.00	TON		\$	
0370	02720	SIDEWALK-4 IN CONCRETE	73.00	SQYD		\$	
0380	02721	REMOVE CONCRETE SIDEWALK	130.00	SQYD		\$	
0390	02726	STAKING KY 1682 AT KY 109	1.00	LS		\$	
0400	02726	STAKING US 431 AT SALEM/GOETZ DRIVE	1.00	LS		\$	
0410	02726	STAKING US 60 AT US 60 BYPASS/KY 3393	1.00	LS		\$	
0420	02726	STAKING KY 2831 AT KY 54/KY 81 STAKING	1.00	LS		\$	
0430	02726	US 41A @ 5TH STREET STAKING	1.00	LS		\$	
0440	02726	US 41A @ RICHARDSON AVENUE STAKING	1.00	LS		\$	
0450	02726	US 41A @ WASHINGTON STREET	1.00	LS		\$	
0460	02726	STAKING US 431 & KY 85	1.00	LS		\$	
0470	06406	SBM ALUM SHEET SIGNS .080 IN	38.60	SQFT		\$	
0480	06407	SBM ALUM SHEET SIGNS .125 IN	22.30	SQFT		\$	
0490	06410	STEEL POST TYPE 1	304.00	LF		\$	
0500	06514	PAVE STRIPING-PERM PAINT-4 IN	8,931.00	LF		\$	
0510	06565	PAVE MARKING-THERMO X-WALK-6 IN	450.00	LF		\$	
0520	06568	PAVE MARKING-THERMO STOP BAR-24IN	290.00	LF		\$	
0530	06569	PAVE MARKING-THERMO CROSS-HATCH	4,955.00	SQFT		\$	
0540	06574	PAVE MARKING-THERMO CURV ARROW	30.00	EACH		\$	
0550	06598	PAVEMENT MARKING REMOVAL	120.00	SQFT		\$	
0560	20430ED	SAW CUT	1,768.00	LF		\$	
0570	20597EC	DITCH EXCAVATION	180.00	CUYD		\$	
0580	21373ND	REMOVE SIGN	5.00	EACH		\$	
0590	21415ND	EROSION CONTROL US 431 AT SALEM/GOETZ DRIVE	1.00	LS		\$	
0600	21596ND	GMSS TYPE D SURFACE MOUNT	4.00	EACH		\$	
0610	21813NN	REMOVE AND RELOCATE SHEET SIGNS	18.00	EACH		\$	
0620	22045NN	FLUME INLET TY 2-MOD	2.00	EACH		\$	
0630	22520EN	PAVE MARKING-THERMO YIELD BAR-36 IN	35.00	LF		\$	
0640	22664EN	WATER BLASTING EXISTING STRIPE	54.00	LF		\$	
0650	23839EC	REMOVE CONCRETE MEDIAN HEADWALL (SLOPED & MITERED CONCRETE - FOR 18		SQYD		\$	
0660	24575ES610	INCH PIPE)		EACH		\$	
0670	24631EC	BARCODE SIGN INVENTORY	10.00	EACH		\$	
0680	24679ED	PAVE MARK THERMO CHEVRON	387.00	SQFT		\$	
0690	24683ED	PAVE MARKING-THERMO DOTTED LANE EXTEN (6" WIDTH)	28.00	LF		\$	
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Section: 0003 - SIGNALIZATION

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184112

### **PROPOSAL BID ITEMS**

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### Report Date 11/5/18

LINE	BID CODE	ALT DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0700	04700	POLE 30 FT MTG HT	1.00	EACH		\$	
0710	04721	BRACKET 6 FT	1.00	EACH		\$	
0720	04724	BRACKET 12 FT	4.00	EACH		\$	
0730	04780	FUSED CONNECTOR KIT	7.00	EACH		\$	
0740	04792	CONDUIT-1 IN	41.00	LF		\$	
0750	04795	CONDUIT-2 IN	450.00	LF		\$	
0760	04811	ELECTRICAL JUNCTION BOX TYPE B	10.00	EACH		\$	
0770	04820	TRENCHING AND BACKFILLING	296.00	LF		\$	
0780	04821	OPEN CUT ROADWAY	176.00	LF		\$	
0790	04830	LOOP WIRE	4,562.00	LF		\$	
0800	04844	CABLE-NO. 14/5C	10,011.00	LF		\$	
0810	04845	CABLE-NO. 14/7C	129.00	LF		\$	
0820	04850	CABLE-NO. 14/1 PAIR	2,476.00	LF		\$	
0830	04881	MAST ARM POLE	2.00	EACH		\$	
0840	04885	MESSENGER-10800 LB	462.00	LF		\$	
0850	04895	LOOP SAW SLOT AND FILL	1,706.00	LF		\$	
0860	04932	INSTALL STEEL STRAIN POLE	4.00	EACH		\$	
0870	04960	REMOVE AND REPLACE SIDEWALK	24.00	SQYD		\$	
0880	06472	INSTALL SPAN MOUNTED SIGN	5.00	EACH		\$	
0890	20093NS835	INSTALL PEDESTRIAN HEAD-LED	8.00	EACH		\$	
0900	20094ES835	TEMP RELOCATION OF SIGNAL HEAD	30.00	EACH		\$	
0910	20188NS835	INSTALL LED SIGNAL-3 SECTION	66.00	EACH		\$	
0920	20189NS835	INSTALL LED SIGNAL-5 SECTION	1.00	EACH		\$	
0930	20266ES835	INSTALL LED SIGNAL- 4 SECTION	7.00	EACH		\$	
0940	20390NS835	INSTALL COORDINATING UNIT	3.00	EACH		\$	
0950	20391NS835	ELECTRICAL JUNCTION BOX TYPE A	3.00	EACH		\$	
0960	21543EN	BORE AND JACK CONDUIT	176.00	LF		\$	
0970	21659NN	RELOCATE SIGNAL HEAD	8.00	EACH		\$	
0980	21743NN	INSTALL PEDESTRIAN DETECTOR	8.00	EACH		\$	
0990	23157EN	TRAFFIC SIGNAL POLE BASE	23.80	CUYD		\$	
1000	23158ES505	DETECTABLE WARNINGS	10.00	SQFT		\$	
1010	23836EC	RELOCATE LIGHT POLE	1.00	EACH		\$	
		INSTALL WIRE					
1020	24617EC	(REVISED: 11-5-18)	2,305.00	LF		\$	
1030	24856ED	TRAFFIC SIGNAL POLE BASE ALTERNATE	2.00	EACH		\$	
1040	24900EC	PVC CONDUIT-1 1/4 IN-SCHEDULE 80	109.00	LF		\$	
1050	24901EC	PVC CONDUIT-2 IN-SCHEDULE 80	1,105.00	LF		\$	
1060	24908EC	INSTALL SIGNAL CONTROLLER-TY ATC	3.00	EACH		\$	
1070	24955ED	REMOVE SIGNAL EQUIPMENT	3.00	EACH		\$	
1080	24955ED	REMOVE SIGNAL EQUIPMENT US 41A @ 5TH STREET	1.00	EACH		\$	
1090	24955ED	REMOVE SIGNAL EQUIPMENT US 41A @ WASHINGTON STREET	1.00	EACH		\$	
						1.5	

### Section: 0004 - DEMOBILIZATION

LINE	BID CODE	ALT DESCRIPTION	QUANTITY	UNIT	<b>UNIT PRIC</b>	FP AMOUNT
1100	02569	DEMOBILIZATION	1.00	LS		\$