



COMMONWEALTH OF KENTUCKY  
TRANSPORTATION CABINET

[www.transportation.ky.gov/](http://www.transportation.ky.gov/)

Andy Beshear  
GOVERNOR

Jim Gray  
SECRETARY

August 19, 2021

CALL NO. 103  
CONTRACT ID NO. 211328  
ADDENDUM # 2

Subject: Menifee County, STP 4602 (100)  
Letting August 20, 2021

- (1) Revised - Proposal Bid Items - Pages 414-420 of 420
- (2) Revised - Plan Sheet 2E

Proposal revisions are available at <http://transportation.ky.gov/Construction-Procurement/>.

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

Sincerely,

Rachel Mills,

A handwritten signature in cursive script that reads "Rachel Mills".

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

RM:mr  
Enclosures

**PROPOSAL BID ITEMS**

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**Section: 0001 - PAVING**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	26,334.00	TON		\$	
0020	00020		TRAFFIC BOUND BASE	100.00	TON		\$	
0030	00100		ASPHALT SEAL AGGREGATE	146.00	TON		\$	
0040	00103		ASPHALT SEAL COAT	18.00	TON		\$	
0050	00190		LEVELING & WEDGING PG64-22	1,329.00	TON		\$	
0060	00212		CL2 ASPH BASE 1.00D PG64-22	19,643.00	TON		\$	
0070	00301		CL2 ASPH SURF 0.38D PG64-22	4,908.00	TON		\$	
0080	00356		ASPHALT MATERIAL FOR TACK	41.00	TON		\$	
0090	02101		CEM CONC ENT PAVEMENT-8 IN	2,632.00	SQYD		\$	

**Section: 0002 - ROADWAY**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0100	00078		CRUSHED AGGREGATE SIZE NO 2	200.00	TON		\$	
0110	01000		PERFORATED PIPE-4 IN	1,000.00	LF		\$	
0120	01010		NON-PERFORATED PIPE-4 IN	200.00	LF		\$	
0130	01028		PERF PIPE HEADWALL TY 3-4 IN	1.00	EACH		\$	
0140	01742		CORED HOLE DRAINAGE BOX CON-8 IN	4.00	EACH		\$	
0150	01811		STANDARD CURB AND GUTTER MOD	4,933.00	LF		\$	
0160	02014		BARRICADE-TYPE III	8.00	EACH		\$	
0170	02058		REMOVE PCC PAVEMENT	22.00	SQYD		\$	
0180	02091		REMOVE PAVEMENT	12.00	SQYD		\$	
0190	02159		TEMP DITCH	5,886.00	LF		\$	
0200	02200		ROADWAY EXCAVATION	282,054.00	CUYD		\$	
0210	02203		STRUCTURE EXCAV-UNCLASSIFIED (FOR RETAINING WALL)	318.00	CUYD		\$	
0220	02231		STRUCTURE GRANULAR BACKFILL RETAINING WALL	508.00	CUYD		\$	
0230	02242		WATER	1,113.00	MGAL		\$	
0240	02351		GUARDRAIL-STEEL W BEAM-S FACE (7' POSTS)	5,488.00	LF		\$	
0250	02360		GUARDRAIL TERMINAL SECTION NO 1	26.00	EACH		\$	
0260	02367		GUARDRAIL END TREATMENT TYPE 1	16.00	EACH		\$	
0270	02371		GUARDRAIL END TREATMENT TYPE 7	5.00	EACH		\$	
0280	02381		REMOVE GUARDRAIL	1,899.00	LF		\$	
0290	02397		TEMP GUARDRAIL	900.00	LF		\$	
0300	02404		SEPTIC TANK TREATMENT	1.00	EACH		\$	
0310	02429		RIGHT-OF-WAY MONUMENT TYPE 1	204.00	EACH		\$	
0320	02432		WITNESS POST	6.00	EACH		\$	
0330	02475		PLUG WATER WELL	3.00	EACH		\$	
0340	02482		CHANNEL LINING CLASS IA	158.00	TON		\$	
0350	02483		CHANNEL LINING CLASS II	2,620.00	TON		\$	
0360	02484		CHANNEL LINING CLASS III	3,376.00	TON		\$	
0370	02545		CLEARING AND GRUBBING (127 ACRES)	1.00	LS		\$	
0380	02551		CONCRETE-CLASS A FOR STEPS	.76	CUYD		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0390	02555		CONCRETE-CLASS B RETAINING WALLS	379.90	CUYD		\$	
0400	02562		TEMPORARY SIGNS	545.00	SQFT		\$	
0410	02585		EDGE KEY	254.00	LF		\$	
0420	02603		FABRIC-GEOTEXTILE CLASS 2	47,200.00	SQYD		\$	
0430	02607		FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	6,785.00	SQYD	\$2.00	\$	\$13,570.00
0440	02611		HANDRAIL-TYPE A-1	125.00	LF		\$	
0450	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0460	02651		DIVERSIONS (BY-PASS DETOURS)	1.00	LS		\$	
0470	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0480	02677		ASPHALT PAVE MILLING & TEXTURING	797.00	TON		\$	
0490	02690		SAFELOADING	24.56	CUYD		\$	
0500	02701		TEMP SILT FENCE	11,772.00	LF		\$	
0510	02703		SILT TRAP TYPE A	96.00	EACH		\$	
0520	02704		SILT TRAP TYPE B	96.00	EACH		\$	
0530	02705		SILT TRAP TYPE C	114.00	EACH		\$	
0540	02706		CLEAN SILT TRAP TYPE A	576.00	EACH		\$	
0550	02707		CLEAN SILT TRAP TYPE B	576.00	EACH		\$	
0560	02708		CLEAN SILT TRAP TYPE C	114.00	EACH		\$	
0570	02720		SIDEWALK-4 IN CONCRETE	2,774.00	SQYD		\$	
0580	02726		STAKING	1.00	LS		\$	
0590	02731		REMOVE STRUCTURE REMOVE EXIST. 10'X3' RCBC STA. 28+70	1.00	LS		\$	
0600	02731		REMOVE STRUCTURE REMOVE EXIST. 3X3 RCBC STA. 100+70	1.00	LS		\$	
0610	02731		REMOVE STRUCTURE REMOVE EXIST. 5'X2.5' RCBC STA. 87+32.23	1.00	LS		\$	
0620	02731		REMOVE STRUCTURE REMOVE EXIST. 8'X3.5' RCBC STA. 56+51.37	1.00	LS		\$	
0640	02731		REMOVE STRUCTURE REMOVE EXISTING 10' X 4' RCBC STA. 78+98.86	1.00	LS		\$	
0650	02731		REMOVE STRUCTURE REMOVE EXISTING 8'X2.5' RCBC STA. 121+82	1.00	LS		\$	
0660	02898		RELOCATE CRASH CUSHION	16.00	EACH		\$	
0670	03171		CONCRETE BARRIER WALL TYPE 9T	1,250.00	LF		\$	
0680	04934		TEMP SIGNAL MULTI PHASE	3.00	EACH		\$	
0690	05950		EROSION CONTROL BLANKET	1,324.00	SQYD		\$	
0700	05952		TEMP MULCH	130,680.00	SQYD		\$	
0710	05953		TEMP SEEDING AND PROTECTION	65,340.00	SQYD		\$	
0720	05963		INITIAL FERTILIZER	.16	TON		\$	
0730	05964		MAINTENANCE FERTILIZER	.48	TON		\$	
0740	05985		SEEDING AND PROTECTION	130,680.00	SQYD		\$	
0750	05990		SODDING	8,516.00	SQYD		\$	
0760	05992		AGRICULTURAL LIMESTONE	106.00	TON		\$	
0770	06406		SBM ALUM SHEET SIGNS .080 IN	400.00	SQFT		\$	
0780	06407		SBM ALUM SHEET SIGNS .125 IN	204.00	SQFT		\$	
0790	06410		STEEL POST TYPE 1	899.00	LF		\$	
0800	06412		STEEL POST MILE MARKERS	4.00	EACH		\$	
0810	06510		PAVE STRIPING-TEMP PAINT-4 IN	50,788.00	LF		\$	
0820	06542		PAVE STRIPING-THERMO-6 IN W	25,746.00	LF		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0830	06543		PAVE STRIPING-THERMO-6 IN Y	7,761.00	LF		\$	
0840	06543		PAVE STRIPING-THERMO-6 IN Y (TWO WAY LEFT TURN LANE)	28,720.00	LF		\$	
0850	06568		PAVE MARKING-THERMO STOP BAR-24IN	105.00	LF		\$	
0860	06569		PAVE MARKING-THERMO CROSS-HATCH	1,800.00	SQFT		\$	
0870	06574		PAVE MARKING-THERMO CURV ARROW	30.00	EACH		\$	
0880	06588		PAVEMENT MARKER TY IVA-BY TEMP	1,024.00	EACH		\$	
0890	10020NS		FUEL ADJUSTMENT	100,251.00	DOLL	\$1.00	\$	\$100,251.00
0900	10030NS		ASPHALT ADJUSTMENT	103,616.00	DOLL	\$1.00	\$	\$103,616.00
0910	20071EC		JOINT ADHESIVE	11,750.00	LF		\$	
0920	20191ED		OBJECT MARKER TY 3	16.00	EACH		\$	
0930	20318ES508		RELOCATE CONC BARRIER WALL	2,865.00	LF		\$	
0940	20362ES403		SHOULDER RUMBLE STRIPS-SAWED	16,364.00	LF		\$	
0950	20738NS112		TEMP CRASH CUSHION	4.00	EACH		\$	
0960	21373ND		REMOVE SIGN	67.00	EACH		\$	
0970	23158ES505		DETECTABLE WARNINGS	120.00	SQFT		\$	
0980	24489EC		INLAID PAVEMENT MARKER	508.00	EACH		\$	
0990	24631EC		BARCODE SIGN INVENTORY	64.00	EACH		\$	
1000	24814EC		PIPELINE INSPECTION	5,901.00	LF		\$	
1010	24845EC		UTILITY COORDINATION	1.00	LS		\$	
1020	24909ED		TEMPORARY EARTH PAD	519.00	CUYD		\$	

**Section: 0003 - DRAINAGE**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1030	00440		ENTRANCE PIPE-15 IN	233.00	LF		\$	
1040	00441		ENTRANCE PIPE-18 IN	83.00	LF		\$	
1050	00443		ENTRANCE PIPE-24 IN	56.00	LF		\$	
1060	00450		ENTRANCE PIPE-15 IN EQUIV	80.00	LF		\$	
1070	00452		ENTRANCE PIPE-24 IN EQUIV	137.00	LF		\$	
1080	00454		ENTRANCE PIPE-30 IN EQUIV	51.00	LF		\$	
1090	00461		CULVERT PIPE-15 IN	93.00	LF		\$	
1100	00462		CULVERT PIPE-18 IN	372.00	LF		\$	
1110	00464		CULVERT PIPE-24 IN	244.00	LF		\$	
1120	00466		CULVERT PIPE-30 IN	608.00	LF		\$	
1130	00470		CULVERT PIPE-48 IN	120.00	LF		\$	
1140	00494		CULVERT PIPE-30 IN EQUIV STORM SEWER PIPE	50.00	LF		\$	
1150	00502		CULVERT PIPE-66 IN EQUIV ENT PIPE	40.00	LF		\$	
1160	00520		STORM SEWER PIPE-12 IN	47.00	LF		\$	
1170	00521		STORM SEWER PIPE-15 IN	1,956.00	LF		\$	
1180	00522		STORM SEWER PIPE-18 IN	548.00	LF		\$	
1190	00523		STORM SEWER PIPE-21 IN	65.00	LF		\$	
1200	00524		STORM SEWER PIPE-24 IN	691.00	LF		\$	
1210	00526		STORM SEWER PIPE-30 IN	348.00	LF		\$	
1220	00980		SLOTTED DRAIN PIPE-12 IN	141.00	LF		\$	
1230	01200		PIPE CULVERT HEADWALL-12 IN	1.00	EACH		\$	
1240	01202		PIPE CULVERT HEADWALL-15 IN	2.00	EACH		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1250	01204		PIPE CULVERT HEADWALL-18 IN	4.00	EACH		\$	
1260	01208		PIPE CULVERT HEADWALL-24 IN	5.00	EACH		\$	
1270	01210		PIPE CULVERT HEADWALL-30 IN	3.00	EACH		\$	
1280	01216		PIPE CULVERT HEADWALL-48 IN	2.00	EACH		\$	
1290	01371		METAL END SECTION TY 1-18 IN	2.00	EACH		\$	
1300	01373		METAL END SECTION TY 1-24 IN	8.00	EACH		\$	
1310	01374		METAL END SECTION TY 1-30 IN	4.00	EACH		\$	
1320	01433		SLOPED BOX OUTLET TYPE 1-18 IN	1.00	EACH		\$	
1330	01434		SLOPED BOX OUTLET TYPE 1-24 IN	1.00	EACH		\$	
1340	01452		S & F BOX INLET-OUTLET-30 IN	5.00	EACH		\$	
1350	01459		CURB BOX INLET TYPE A MOD	31.00	EACH		\$	
1360	01490		DROP BOX INLET TYPE 1	13.00	EACH		\$	
1370	01493		DROP BOX INLET TYPE 2	4.00	EACH		\$	
1380	01496		DROP BOX INLET TYPE 3	3.00	EACH		\$	
1390	01499		DROP BOX INLET TYPE 4	1.00	EACH		\$	
1400	01511		DROP BOX INLET TYPE 5D	2.00	EACH		\$	
1410	01544		DROP BOX INLET TYPE 11	1.00	EACH		\$	

**Section: 0004 - BRIDGE - CULVERT OVER SIM LONG BRANCH - 27536**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1420	02403		REMOVE CONCRETE MASONRY	42.00	CUYD		\$	
1430	08002		STRUCTURE EXCAV-SOLID ROCK	13.00	CUYD		\$	
1440	08003		FOUNDATION PREPARATION (27536)	1.00	LS		\$	
1450	08100		CONCRETE-CLASS A	102.30	CUYD		\$	
1460	08150		STEEL REINFORCEMENT	13,099.00	LB		\$	

**Section: 0005 - BRIDGE - CULVERT OVER CREEK - 27537**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1470	08002		STRUCTURE EXCAV-SOLID ROCK	13.00	CUYD		\$	
1480	08003		FOUNDATION PREPARATION (27537)	1.00	LS		\$	
1490	08100		CONCRETE-CLASS A	87.50	CUYD		\$	
1500	08150		STEEL REINFORCEMENT	7,587.00	LB		\$	

**Section: 0006 - BRIDGE - CULVERT OVER BET CASH - 27538**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1510	08002		STRUCTURE EXCAV-SOLID ROCK	13.00	CUYD		\$	
1520	08003		FOUNDATION PREPARATION (27538)	1.00	LS		\$	
1530	08100		CONCRETE-CLASS A	129.60	CUYD		\$	
1540	08150		STEEL REINFORCEMENT	7,536.00	LB		\$	

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**Section: 0007 - BRIDGE - CULVERT OVER CREEK - 27539**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1550	08002		STRUCTURE EXCAV-SOLID ROCK	13.00	CUYD		\$	
1560	08003		FOUNDATION PREPARATION	1.00	LS		\$	
1570	08100		CONCRETE-CLASS A	97.80	CUYD		\$	
1580	08150		STEEL REINFORCEMENT	9,902.00	LB		\$	

**Section: 0008 - BRIDGE - CULVERT OVER HATHAWAY CREEK - 28311**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1590	08002		STRUCTURE EXCAV-SOLID ROCK	310.00	CUYD		\$	
1600	08003		FOUNDATION PREPARATION (28311)	1.00	LS		\$	
1610	08100		CONCRETE-CLASS A	128.90	CUYD		\$	
1620	08150		STEEL REINFORCEMENT	16,736.00	LB		\$	

**Section: 0009 - SIGNALIZATION**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1630	04740		POLE BASE	2.00	EACH		\$	
1640	04844		CABLE-NO. 14/5C	70.00	LF		\$	
1650	22939ND		INSTALL LUMINAIRE POLE	2.00	EACH		\$	
1660	24601EC		INSTALL (SOLAR POWER BEACON CONTROLLER)	2.00	EACH		\$	
1670	24955ED		REMOVE SIGNAL EQUIPMENT	1.00	EACH		\$	

**Section: 0010 - WATERLINE - CAVE RUN**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1680	14000		W AIR RELEASE VALVE 1 INCH	1.00	EACH		\$	
1690	14004		W DIRECTIONAL BORE	1,280.00	LF		\$	
1700	14010		W ENCASEMENT STEEL BORED RANGE 5	295.00	LF		\$	
1710	14016		W ENCASEMENT STEEL OPEN CUT RANGE 5	50.00	LF		\$	
1720	14023		W FLUSHING ASSEMBLY	4.00	EACH		\$	
1730	14037		W PIPE DUCTILE IRON 08 INCH	20.00	LF		\$	
1740	14039		W PIPE DUCTILE IRON 12 INCH	9,950.00	LF		\$	
1750	14039		W PIPE DUCTILE IRON 12 INCH (W NITRILE GASKETS)	1,265.00	LF		\$	
1760	14074		W PLUG EXISTING MAIN	4.00	EACH		\$	
1770	14088		W STRUCTURE REMOVAL	1.00	EACH		\$	
1780	14090		W TAPPING SLEEVE AND VALVE SIZE 2	2.00	EACH		\$	
1790	14097		W TIE-IN 12 INCH	2.00	EACH		\$	
1800	14106		W VALVE 08 INCH	1.00	EACH		\$	
1810	14108		W VALVE 12 INCH	14.00	EACH		\$	
1820	14125		W VAULT SPECIAL	1.00	EACH		\$	
1830	14126		W ENCASEMENT SPECIAL	592.00	LF		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1840	14153		W LEAK DETECTION METER (BYPASS METER AND BOX)	2.00	EACH		\$	

**Section: 0011 - WATER & SEWER LINES - CITY OF FRENCHBURG**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1850	14000		W AIR RELEASE VALVE 1 INCH	1.00	EACH		\$	
1860	14004		W DIRECTIONAL BORE (10 INCH DR-11 HDPE)	1,000.00	LF		\$	
1870	14004		W DIRECTIONAL BORE (8 INCH CL 350 DIP WITH NITRILE BASKETS)	190.00	LF		\$	
1880	14004		W DIRECTIONAL BORE (8 INCH DR-11 HDPE)	200.00	LF		\$	
1890	14007		W ENCASEMENT STEEL BORED RANGE 2 (6 INCH)	100.00	LF		\$	
1900	14008		W ENCASEMENT STEEL BORED RANGE 3 (12 INCH)	60.00	LF		\$	
1910	14009		W ENCASEMENT STEEL BORED RANGE 4 (16 INCH)	70.00	LF		\$	
1920	14014		W ENCASEMENT STEEL OPEN CUT RANGE 3 (12 INCH)	30.00	LF		\$	
1930	14023		W FLUSHING ASSEMBLY	6.00	EACH		\$	
1940	14030		W METER RELOCATE (1 1/2 INCH)	2.00	EACH		\$	
1950	14030		W METER RELOCATE (1 INCH)	1.00	EACH		\$	
1960	14030		W METER RELOCATE (2 INCH)	1.00	EACH		\$	
1970	14030		W METER RELOCATE (3/4 INCH)	20.00	EACH		\$	
1980	14035		W PIPE DUCTILE IRON 04 INCH	25.00	LF		\$	
1990	14035		W PIPE DUCTILE IRON 04 INCH (W NITRILE GASKETS)	20.00	LF		\$	
2000	14036		W PIPE DUCTILE IRON 06 INCH (W NITRILE GASKETS)	100.00	LF		\$	
2010	14037		W PIPE DUCTILE IRON 08 INCH (W NITRILE GASKETS)	1,065.00	LF		\$	
2020	14057		W PIPE PVC 03 INCH	225.00	LF		\$	
2030	14059		W PIPE PVC 06 INCH	3,755.00	LF		\$	
2040	14060		W PIPE PVC 08 INCH	5,645.00	LF		\$	
2050	14073		W PIPE POLYETHYLENE/PLASTIC SPECIAL (ALL SIZES)	565.00	LF		\$	
2060	14074		W PLUG EXISTING MAIN (3 INCH)	2.00	EACH		\$	
2070	14074		W PLUG EXISTING MAIN (4 INCH)	2.00	EACH		\$	
2080	14074		W PLUG EXISTING MAIN (6 INCH)	5.00	EACH		\$	
2090	14074		W PLUG EXISTING MAIN (8 INCH)	1.00	EACH		\$	
2100	14080		W SERV PE/PLST LONG SIDE 3/4 IN (RECONNECT)	2.00	EACH		\$	
2110	14082		W SERV PE/PLST SHORT SIDE 1 IN (RECONNECT 1 INCH CUST SERVICE)	2.00	EACH		\$	

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2120	14084		W SERV PE/PLST SHORT SIDE 2 IN	1.00	EACH		\$	
2130	14085		W SERV PE/PLST SHORT SIDE 3/4 IN (RECONNECT)	23.00	EACH		\$	
2140	14089		W TAPPING SLEEVE AND VALVE SIZE 1 (3 INCH)	2.00	EACH		\$	
2150	14089		W TAPPING SLEEVE AND VALVE SIZE 1 (4 INCH)	2.00	EACH		\$	
2160	14089		W TAPPING SLEEVE AND VALVE SIZE 1 (6 INCH)	5.00	EACH		\$	
2170	14089		W TAPPING SLEEVE AND VALVE SIZE 1 (8 INCH)	1.00	EACH		\$	
2180	14103		W VALVE 03 INCH	2.00	EACH		\$	
2190	14105		W VALVE 06 INCH	4.00	EACH		\$	
2200	14106		W VALVE 08 INCH	16.00	EACH		\$	
2210	14126		W ENCASEMENT SPECIAL (12 INCH PVC CASING OPEN CUT)	190.00	LF		\$	
2220	14126		W ENCASEMENT SPECIAL (16 INCH PVC CASING OPEN CUT)	475.00	LF		\$	
2230	14153		W LEAK DETECTION METER	1.00	EACH		\$	
2240	14158		W BLOWOFF ASSEMBLY (HYDRANT)	3.00	EACH		\$	
2250	15012		S ENCASEMENT CONCRETE	15.00	LF		\$	
2260	15014		S ENCASEMENT STEEL BORED RANGE 1 (4 INCH)	130.00	LF		\$	
2270	15016		S ENCASEMENT STEEL BORED RANGE 3 (12 INCH)	70.00	LF		\$	
2280	15068		S FORCE MAIN SPECIAL (1.25 INCH)	760.00	LF		\$	
2290	15081		S FORCE MAIN TIE-IN SPECIAL	4.00	EACH		\$	
2300	15094		S MANHOLE ADJUST TO GRADE	3.00	EACH		\$	
2310	15119		S PUMP STATION	2.00	EACH		\$	
2320	15138		S PIPE PVC 6 INCH	105.00	LF		\$	

**Section: 0012 - TRAINEES**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2330	02742		TRAINEE PAYMENT REIMBURSEMENT (1 GROUP 2, 3, 4 OPERATOR)	1,400.00	HOUR		\$	

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

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2340	02568		MOBILIZATION	1.00	LS		\$	
2350	02569		DEMOBILIZATION	1.00	LS		\$	



**GENERAL SUMMARY**

COUNTY OF	ITEM NO.	SHEET NO.
<b>MENIFEE</b>	<b>10-8802.00</b>	<b>2E</b>

**NOTES:**

- ① INCLUDES 517 TONS CLASS II CHANNEL LINING FROM PIPE DRAINAGE SUMMARY.
- ② APPROXIMATELY 127 ACRES.
- ③ THE CONTRACTOR SHALL HAUL GUARDRAIL TO MENIFEE COUNTY GARAGE.
- ④ FOR CONTROLLING DUST CAUSED BY MAINTAINING TRAFFIC ONLY.
- ⑤ ESTIMATE FOR EARTHWORK CONTRACTOR FOR DESIGN ONLY. THE CONTRACTOR IS ADVISED THAT THE EARTHWORK CALCULATIONS SHOWN ARE FOR INFORMATION ONLY. ASSUMPTIONS FOR SHRINKAGE AND SWELL FACTORS ARE THE CONTRACTORS RESPONSIBILITY.
- ⑥ INCLUDES 285 C. Y. FROM PIPE DRAINAGE SUMMARY.
- ⑦ INCLUDES 315 C. Y. OF CHANNEL EXCAVATION FOR RCBC.
- ⑧ INCLUDES 112 TONS CLASS II CHANNEL LINING FOR RCBC.
- ⑨ 4 TEMPORARY END TREATMENTS TYPE 7
- ⑩ FROM PIPE SUMMARY SHEET
- ⑪ PLACED AT LOCATIONS AS DIRECTED BY THE ENGINEER

<b>EARTHWORK SUMMARY</b>	
<b>EXCAVATION</b>	
EXC. ROCK EXC.	100,240
DITCH EXC.	172,957
EFB	6,866
	1,391
<b>TOTAL EXCAVATION</b>	<b>281,454</b>
<b>EMBANKMENT</b>	
EMB. ROCK ROADBED	10,834
EFB	35,042
	1,391
<b>TOTAL EMBANKMENT</b>	<b>47,267</b>

- REMOVE STRUCTURES**
- (A) STA 28+70 REMOVE EXISTING 10'X3' RCBC
  - (B) STA 56+51.37 REMOVE 8'X3.5' RCBC
  - (C) STA 78+98.86 REMOVE 10'X4' RCBC
  - (D) STA 87+32.23 REMOVE 5'X2.5' RCBC
  - (E) STA 100+70 REMOVE 3'X3' RCBC
  - (F) STA 121+82 REMOVE 8'X2.5' RCBC

- DIVERSIONS BY-PASS (DETOUR)**
- STA. 7+00 - 45+50, 3,850'
  - STA. 42+78 - 49+25, 650'
  - STA. 85+50 - 71+25, 1,575'
  - STA. 80+00 - 111+50, 3,150'
  - STA. 115+00 - 124+72, 972'

**UNDERDRAIN SUMMARY**

STATION	PERFORATED PIPE	NON-PERFORATED PIPE	OUTLET
52+98	35'	8'	CURB BOX INLET
76+74	35'	8'	CURB BOX INLET
94+86	35'	8'	CURB BOX INLET
120+26	35'	8'	CURB BOX INLET

**GENERAL SUMMARY  
SHEET 1 OF 2**

ITEM	DESCRIPTION	UNIT	MAINLINE																	
00078	CRUSHED AGGREGATE SIZE NO. 2 ⑩	TON	200																	
01000	PERFORATED PIPE - 4"	LF	1,000																	
01010	NON-PERFORATED PIPE - 4"	LF	200																	
01028	PERF PIPE HEADWALL TYPE 3 - 4 INCH	EACH	1																	
01742	CORED HOLE DRAINAGE BOX CONNECTOR-8 INCH	EACH	4																	
01811	STANDARD CURB AND GUTTER MOD.	LF	4,933																	
02014	BARRICADE-TYPE III	EACH	8																	
02058	REMOVE PCC PAVEMENT	SO YD	22																	
02091	REMOVE PAVEMENT	SO YD	12																	
02159	TEMPORARY DITCH	LF	5,886																	
02200	ROADWAY EXCAVATION ⑥⑦	CU YD	282,054																	
02203	STRUCTURE EXCAVATION (FOR RETAINING WALL)	CU YD	318																	
02231	STRUCTURE GRANULAR BACKFILL	CU YD	508																	
02242	WATER ④	M GAL	1,113																	
02351	GUARDRAIL-STEEL W BEAM-S FACE (7' POSTS)	LF	5,488																	
02360	GUARDRAIL TERMINAL SECTION NO. 1	EACH	26																	
02367	GUARDRAIL END TREATMENT TYPE 1	EACH	16																	
02371	GUARDRAIL END TREATMENT TYPE 7 ⑨ (4 TEMP.)	EACH	5																	
02381	REMOVE GUARDRAIL	LF	1,899																	
02397	TEMP GUARDRAIL	LF	900																	
02404	SEPTIC TANK TREATMENT	EACH	1																	
02429	RIGHT-OF-WAY MONUMENT TYPE 1	EACH	204																	
02432	WITNESS POST	EACH	6																	
02475	PLUG WATER WELL	EACH	3																	
02482	CHANNEL LINING CLASS IA	TON	158																	
02483	CHANNEL LINING CLASS II ①⑧	TON	2,620																	
02484	CHANNEL LINING CLASS III	TON	3,376																	
02545	CLEARING AND GRUBBING ②	LS	1																	
02551	CLASS "A" CONCRETE (FOR STEPS)	CU YD	0.76																	
02555	CLASS B CONCRETE FOR RETAINING WALL	CU YD	379.9																	
02562	TEMPORARY SIGNS	SQ FT	545																	
02568	MOBILIZATION	LS	1																	
02569	DEMobilIZATION	LS	1																	
02585	EDGE KEY	LF	254																	
02603	GEOTEXTILE FABRIC CLASS 2	SO YD	47,200																	
02607	GEOTEXTILE FABRIC CLASS 2 FOR PIPE ⑩	SO YD	6,785																	
02611	HANDRAIL TYPE A-1	LF	125																	
02650	MAINTAIN & CONTROL TRAFFIC	LS	1																	
02651	DIVERSION BY-PASS DETOUR	LS	1																	
02676	MOBILIZATION FOR MILLING AND TEXTING	LS	1																	
02677	ASPHALT PAVEMENT MILLING AND TEXTURING	TON	797																	
02690	SAFE LOAD EXIST. PIPE	CU YD	24.56																	
02701	TEMPORARY SILT FENCE	LF	11,772																	
02703	SILT TRAP TYPE A	EACH	96																	
02704	SILT TRAP TYPE B	EACH	96																	
02705	SILT TRAP TYPE C	EACH	114																	
02706	CLEAN SILT TRAP TYPE A	EACH	576																	
02707	CLEAN SILT TRAP TYPE B	EACH	576																	
02708	CLEAN SILT TRAP TYPE C	EACH	114																	
02720	SIDEWALK - 4" CONCRETE (INCLUDES 20 SO YD FOR RESIDENCE)	SO YD	2,774																	
02726	STAKING	LS	1																	
02731	REMOVE STRUCTURE (REMOVE EXIST. 10'X3' RCBC STA 28+70)	LS	1																	
02731	REMOVE STRUCTURE (REMOVE EXIST. 8'X3.5' RCBC STA 56+51.37)	LS	1																	
02731	REMOVE STRUCTURE (REMOVE EXIST. 10'X4' RCBC STA 78+98.86)	LS	1																	
02731	REMOVE STRUCTURE (REMOVE EXIST. 5'X2.5' RCBC STA 87+32.23)	LS	1																	
02731	REMOVE STRUCTURE (REMOVE EXIST. 3'X3' RCBC STA 100+70)	LS	1																	
02731	REMOVE STRUCTURE (REMOVE EXIST. 8'X2.5' RCBC STA 121+82)	LS	1																	
02898	RELOCATE CRASH CUSHION	EACH	16																	
03171	CONC BARRIER WALL TY 9T	LF	1,250																	

**GENERAL SUMMARY**

COUNTY OF	ITEM NO.	SHEET NO.
MENIFEE	10-8802.00	2E

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