



**COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET**

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

Matthew G. Bevin
Governor

Greg Thomas
Secretary

May 17, 2018

CALL NO. 350
CONTRACT ID NO. 181214
ADDENDUM # 1

Subject: HARDIN COUNTY, JP02 047 0313 010-015
Letting May 25, 2018

- (1) Revised - Proposal Bid Items - Pages 353-357 of 357
- (2) Revised - Plan Sheet - R2N
- (3) Delete - Special Note for Micro-surfacing - Pages 325-331 of 357

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

PROPOSAL BID ITEMS

REVISED ADDENDUM #1: 5-17-18

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Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	88,018.00	TON		\$	
0020	00013		LIME STABILIZED ROADBED	127,063.00	SQYD		\$	
0030	00014		LIME	2,402.00	TON		\$	
0040	00100		ASPHALT SEAL AGGREGATE	467.00	TON		\$	
0050	00103		ASPHALT SEAL COAT	56.00	TON		\$	
0060	00190		LEVELING & WEDGING PG64-22	920.00	TON		\$	
0070	00212		CL2 ASPH BASE 1.00D PG64-22	7,477.00	TON		\$	
0080	00214		CL3 ASPH BASE 1.00D PG64-22	36,221.00	TON		\$	
0090	00301		CL2 ASPH SURF 0.38D PG64-22	4,216.00	TON		\$	
0100	00356		ASPHALT MATERIAL FOR TACK	50.00	TON		\$	
0110	00358		ASPHALT CURING SEAL	127.00	TON		\$	
0120	00388		CL3 ASPH SURF 0.38B PG64-22	10,448.00	TON		\$	
0130	02677		ASPHALT PAVE MILLING & TEXTURING	3,919.00	TON		\$	
0140	02702		SAND FOR BLOTTER	318.00	TON		\$	
0150	23307EC		CL3 ASPH SURF NO.4B PG64-22	2,627.00	TON		\$	
0160	24785EC		FIBER REINFORCEMENT FOR HMA	1,705.00	TON		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0170	00078		CRUSHED AGGREGATE SIZE NO 2	20,000.00	TON		\$	
0180	01891		ISLAND HEADER CURB TYPE 2	150.00	LF		\$	
0190	01904		REMOVE CURB	93.00	LF		\$	
0200	01917		STANDARD BARRIER MEDIAN TYPE 2	58.00	SQYD		\$	
0210	01923		STANDARD BARRIER MEDIAN TYPE 5	719.00	SQYD		\$	
0220	01982		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	34.00	EACH		\$	
0230	01983		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL YELLOW	3.00	EACH		\$	
0240	02014		BARRICADE-TYPE III	50.00	EACH		\$	
0250	02058		REMOVE PCC PAVEMENT	299.00	SQYD		\$	
0260	02159		TEMP DITCH	12,784.00	LF		\$	
0270	02160		CLEAN TEMP DITCH	5,642.00	LF		\$	
0280	02200		ROADWAY EXCAVATION	260,756.00	CUYD		\$	
0290	02231		STRUCTURE GRANULAR BACKFILL	208.00	CUYD		\$	
0300	02242		WATER (FOR DUST CONTROL)	1,850.00	MGAL		\$	
0310	02262		FENCE-WOVEN WIRE TYPE 1	2,500.00	LF		\$	
0320	02351		GUARDRAIL-STEEL W BEAM-S FACE	2,200.00	LF		\$	
0330	02360		GUARDRAIL TERMINAL SECTION NO 1	2.00	EACH		\$	
0340	02363		GUARDRAIL CONNECTOR TO BRIDGE END TY A	4.00	EACH		\$	
0350	02367		GUARDRAIL END TREATMENT TYPE 1	5.00	EACH		\$	
0360	02381		REMOVE GUARDRAIL	1,861.00	LF		\$	
0370	02383		REMOVE & RESET GUARDRAIL	100.00	LF		\$	
0380	02387		GUARDRAIL CONNECTOR TO BRIDGE END TY A-1	3.00	EACH		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0390	02429		RIGHT-OF-WAY MONUMENT TYPE 1	4.00	EACH		\$	
0400	02432		WITNESS POST	4.00	EACH		\$	
0410	02471		FILL AND CAP SINKHOLE	2.00	EACH		\$	
0420	02483		CHANNEL LINING CLASS II	4,240.00	TON		\$	
0430	02484		CHANNEL LINING CLASS III	4,117.00	TON		\$	
0440	02545		CLEARING AND GRUBBING (APPROXIMATELY 61.63 ACRES)	1.00	LS		\$	
0450	02555		CONCRETE-CLASS B	1.00	CUYD		\$	
0460	02562		TEMPORARY SIGNS	650.00	SQFT		\$	
0470	02585		EDGE KEY	1,144.00	LF		\$	
0480	02596		FABRIC-GEOTEXTILE TYPE I	8,527.00	SQYD		\$	
0490	02599		FABRIC-GEOTEXTILE TYPE IV	49,280.00	SQYD		\$	
0500	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0510	02671		PORTABLE CHANGEABLE MESSAGE SIGN	6.00	EACH		\$	
0520	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0530	02690		SAFELOADING	4.00	CUYD		\$	
0540	02696		SHOULDER RUMBLE STRIPS	80,000.00	LF		\$	
0550	02700		SAND	1.00	TON		\$	
0560	02701		TEMP SILT FENCE	12,784.00	LF		\$	
0570	02703		SILT TRAP TYPE A	83.00	EACH		\$	
0580	02704		SILT TRAP TYPE B	83.00	EACH		\$	
0590	02705		SILT TRAP TYPE C	83.00	EACH		\$	
0600	02706		CLEAN SILT TRAP TYPE A	83.00	EACH		\$	
0610	02707		CLEAN SILT TRAP TYPE B	83.00	EACH		\$	
0620	02708		CLEAN SILT TRAP TYPE C	83.00	EACH		\$	
0630	02726		STAKING	1.00	LS		\$	
0640	05950		EROSION CONTROL BLANKET	60,484.00	SQYD		\$	
0650	05952		TEMP MULCH	267,265.00	SQYD		\$	
0660	05953		TEMP SEEDING AND PROTECTION	200,449.00	SQYD		\$	
0670	05963		INITIAL FERTILIZER	9.00	TON		\$	
0680	05964		20-10-10 FERTILIZER	14.00	TON		\$	
0690	05985		SEEDING AND PROTECTION	209,810.00	SQYD		\$	
0700	05989		SPECIAL SEEDING CROWN VETCH	20,361.00	SQYD		\$	
0710	05992		AGRICULTURAL LIMESTONE	168.00	TON		\$	
0720	06510		PAVE STRIPING-TEMP PAINT-4 IN	51,134.00	LF		\$	
0730	06514		PAVE STRIPING-PERM PAINT-4 IN	125,530.00	LF		\$	
0740	06568		PAVE MARKING-THERMO STOP BAR-24IN	767.00	LF		\$	
0750	06569		PAVE MARKING-THERMO CROSS-HATCH	46,956.00	SQFT		\$	
0760	06572		PAVE MARKING-DOTTED LANE EXTEN	588.00	LF		\$	
0770	06574		PAVE MARKING-THERMO CURV ARROW	91.00	EACH		\$	
0780	06575		PAVE MARKING-THERMO COMB ARROW	1.00	EACH		\$	
0790	06589		PAVEMENT MARKER TYPE V-MW	222.00	EACH		\$	
0800	06591		PAVEMENT MARKER TYPE V-BY	176.00	EACH		\$	
0810	06592		PAVEMENT MARKER TYPE V-B W/R	323.00	EACH		\$	
0820	10020NS		FUEL ADJUSTMENT	222,111.00	DOLL	\$1.00	\$	\$222,111.00
0830	10030NS		ASPHALT ADJUSTMENT	244,307.00	DOLL	\$1.00	\$	\$244,307.00
0840	20071EC		JOINT ADHESIVE	12,040.00	LF		\$	
0850	20191ED		OBJECT MARKER TY 3	5.00	EACH		\$	
0860	20360ES818		WOOD POST	2.00	EACH		\$	
0870	20550ND		SAWCUT PAVEMENT	13,030.00	LF		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0880	21289ED		LONGITUDINAL EDGE KEY	12,040.00	LF		\$	
0890	22045NN		FLUME INLET TY 2-MOD	2.00	EACH		\$	
0900	22664EN		WATER BLASTING EXISTING STRIPE	25,567.00	LF		\$	
0910	23607EC		PAVE MARK THERMO-LANE REDUCTION ARROW	3.00	EACH		\$	
0920	23911EC		GROUT	78.00	CUYD		\$	
0930	24489EC		INLAID PAVEMENT MARKER	721.00	EACH		\$	
0940	24679ED		PAVE MARK THERMO CHEVRON	65,783.00	SQFT		\$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0950	00078		CRUSHED AGGREGATE SIZE NO 2	8.00	TON		\$	
0960	00440		ENTRANCE PIPE-15 IN	74.00	LF		\$	
0970	00445		ENTRANCE PIPE-30 IN	173.00	LF		\$	
0980	00462		CULVERT PIPE-18 IN	303.00	LF		\$	
0990	00464		CULVERT PIPE-24 IN	293.00	LF		\$	
1000	00466		CULVERT PIPE-30 IN	551.00	LF		\$	
1010	00468		CULVERT PIPE-36 IN	16.00	LF		\$	
1020	00469		CULVERT PIPE-42 IN	76.00	LF		\$	
1030	00470		CULVERT PIPE-48 IN	59.00	LF		\$	
1040	00471		CULVERT PIPE-54 IN	162.00	LF		\$	
1050	00521		STORM SEWER PIPE-15 IN	5,132.00	LF		\$	
1060	00522		STORM SEWER PIPE-18 IN	2,970.00	LF		\$	
1070	00524		STORM SEWER PIPE-24 IN	3,427.00	LF		\$	
1080	00526		STORM SEWER PIPE-30 IN	94.00	LF		\$	
1090	00528		STORM SEWER PIPE-36 IN	79.00	LF		\$	
1100	01000		PERFORATED PIPE-4 IN	17,442.00	LF		\$	
1110	01010		NON-PERFORATED PIPE-4 IN	5,338.00	LF		\$	
1115	01015		INSPECT & CERTIFY EDGE DRAIN SYSTEM (ADDED: 5-17-18)	1.00	LS		\$	
1120	01028		PERF PIPE HEADWALL TY 3-4 IN	8.00	EACH		\$	
1130	01204		PIPE CULVERT HEADWALL-18 IN	7.00	EACH		\$	
1140	01208		PIPE CULVERT HEADWALL-24 IN	7.00	EACH		\$	
1150	01210		PIPE CULVERT HEADWALL-30 IN	9.00	EACH		\$	
1160	01212		PIPE CULVERT HEADWALL-36 IN	2.00	EACH		\$	
1170	01214		PIPE CULVERT HEADWALL-42 IN	1.00	EACH		\$	
1180	01216		PIPE CULVERT HEADWALL-48 IN	1.00	EACH		\$	
1190	01370		METAL END SECTION TY 1-15 IN	4.00	EACH		\$	
1200	01374		METAL END SECTION TY 1-30 IN	8.00	EACH		\$	
1210	01433		SLOPED BOX OUTLET TYPE 1-18 IN	3.00	EACH		\$	
1220	01444		SLOPED AND PARALLEL HEADWALL-18 IN	1.00	EACH		\$	
1230	01450		S & F BOX INLET-OUTLET-18 IN	1.00	EACH		\$	
1240	01456		CURB BOX INLET TYPE A	9.00	EACH		\$	
1250	01490		DROP BOX INLET TYPE 1	3.00	EACH		\$	
1260	01494		DROP BOX INLET TYPE 2 MOD	1.00	EACH		\$	
1270	01508		DROP BOX INLET TYPE 5C	31.00	EACH		\$	
1280	01509		DROP BOX INLET TYPE 5C MOD	6.00	EACH		\$	
1290	01538		DROP BOX INLET TYPE 7	1.00	EACH		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1300	01539		DROP BOX INLET TYPE 7 MOD	3.00	EACH		\$	
1310	01542		DROP BOX INLET TYPE 10 MOD	43.00	EACH		\$	
1320	01650		JUNCTION BOX	2.00	EACH		\$	
1330	01720		RECONSTRUCT INLET	1.00	EACH		\$	
1340	01740		CORED HOLE DRAINAGE BOX CON-4 IN	46.00	EACH		\$	
1350	02600		FABRIC GEOTEXTILE TY IV FOR PIPE	15,720.00	SQYD	\$2.00	\$	\$31,440.00
1360	08100		CONCRETE-CLASS A	19.00	CUYD		\$	
1370	21799EN		BORE AND JACK PIPE-24 IN	105.00	LF		\$	
1380	21800EN		BORE AND JACK PIPE-30 IN	74.00	LF		\$	
1390	24026EC		PIPE CULVERT HEADWALL-54 IN	2.00	EACH		\$	
1400	24186EC		BORE AND JACK PIPE-36 IN	66.00	LF		\$	
1410	24668EC		STEEL ENCASEMENT PIPE (24-IN)	105.00	LF		\$	
1420	24668EC		STEEL ENCASEMENT PIPE (30-IN)	74.00	LF		\$	
1430	24668EC		STEEL ENCASEMENT PIPE (36-IN)	66.00	LF		\$	
1440	24814EC		PIPELINE INSPECTION	15,678.00	LF		\$	

Section: 0004 - BRIDGE - P & L RR - DWG. 27738

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1450	02231		STRUCTURE GRANULAR BACKFILL	215.00	CUYD		\$	
1460	02998		MASONRY COATING	437.00	SQYD		\$	
1470	03299		ARMORED EDGE FOR CONCRETE	79.70	LF		\$	
1480	08001		STRUCTURE EXCAVATION-COMMON	225.00	CUYD		\$	
1490	08016		REINF CONC SLOPE WALL-6 IN	677.00	SQYD		\$	
1500	08033		TEST PILES	229.00	LF		\$	
1510	08046		PILES-STEEL HP12X53	1,827.00	LF		\$	
1520	08094		PILE POINTS-12 IN	40.00	EACH		\$	
1530	08100		CONCRETE-CLASS A	204.90	CUYD		\$	
1540	08104		CONCRETE-CLASS AA	238.20	CUYD		\$	
1550	08150		STEEL REINFORCEMENT	24,917.00	LB		\$	
1560	08151		STEEL REINFORCEMENT-EPOXY COATED	73,369.00	LB		\$	
1570	08632		PRECAST PC I BEAM TYPE 2	799.20	LF		\$	
1580	21532ED		RAIL SYSTEM TYPE III	326.10	LF		\$	
1590	23813EC		DECK DRAIN	6.00	EACH		\$	

Section: 0005 - BRIDGE - CULVERT #1 - RCBC 8' X 4' - STA. 299+15 - DWG. 27786

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1600	02403		REMOVE CONCRETE MASONRY	1.00	CUYD		\$	
1610	08002		STRUCTURE EXCAV-SOLID ROCK	33.00	CUYD		\$	
1620	08003		FOUNDATION PREPARATION	1.00	LS		\$	
1630	08100		CONCRETE-CLASS A	60.30	CUYD		\$	
1640	08150		STEEL REINFORCEMENT	4,697.00	LB		\$	

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Section: 0006 - BRIDGE - CULVERT #2 - RCBC 8' X 4' - STA. 316+41.9 - DWG. 27787

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1650	02403		REMOVE CONCRETE MASONRY	1.00	CUYD		\$	
1660	08002		STRUCTURE EXCAV-SOLID ROCK	24.00	CUYD		\$	
1670	08003		FOUNDATION PREPARATION	1.00	LS		\$	
1680	08100		CONCRETE-CLASS A	41.30	CUYD		\$	
1690	08150		STEEL REINFORCEMENT	3,038.00	LB		\$	

Section: 0007 - BRIDGE - CULVERT #3 - RCBC 8' X 6' - STA. 332+46.6 - DWG. 27788

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1700	02403		REMOVE CONCRETE MASONRY	1.00	CUYD		\$	
1710	08002		STRUCTURE EXCAV-SOLID ROCK	5.00	CUYD		\$	
1720	08003		FOUNDATION PREPARATION	1.00	LS		\$	
1730	08100		CONCRETE-CLASS A	60.50	CUYD		\$	
1740	08150		STEEL REINFORCEMENT	4,394.00	LB		\$	

Section: 0008 - SEWER

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1750	15094		S MANHOLE ADJUST TO GRADE	1.00	EACH		\$	
1760	15503		S ENCASMENT STEEL OPEN CUT RANGE 3 INST	639.00	LF		\$	
1770	15504		S ENCASMENT STEEL OPEN CUT RANGE 4 INST	335.00	LF		\$	
1780	15505		S ENCASMENT STEEL OPEN CUT RANGE 5 INST	122.00	LF		\$	

Section: 0009 - WATERLINE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1790	14002		W AIR RELEASE VALVE SPECIAL	1.00	EACH		\$	
1800	14014		W ENCASMENT STEEL OPEN CUT RANGE 3	90.00	LF		\$	
1810	14016		W ENCASMENT STEEL OPEN CUT RANGE 5	76.00	LF		\$	
1820	14040		W PIPE DUCTILE IRON 16 INCH	700.00	LF		\$	
1830	14098		W TIE-IN 16 INCH	2.00	EACH		\$	
1840	14109		W VALVE 16 INCH	2.00	EACH		\$	

Section: 0010 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1850	02568		MOBILIZATION	1.00	LS		\$	
1860	02569		DEMOBILIZATION	1.00	LS		\$	

ITEM	DESCRIPTION	UNIT	KY 313 (JOE PRATHER HWY)	KY 1500 (KNOX AVE)	KY 1815 (W LINCOLN TRL)	HILL STREET	KY 144 (VINE ST)	TROJAN WAY	KY 1500 (ROGERSVILLE ROAD)	KY 1646 (S LOGSDON PKWY)	WISELYN DRIVE	PROJECT TOTAL
78	CRUSHED AGGREGATE SIZE NO 2 (2)	TON										20000
1015	INSPECT & CERTIFY EDGE DRAIN SYSTEM	LS										1
1891	ISLAND HEADER CURB TYPE 2	LF	150									150
1904	REMOVE CURB	LF	93									93
1917	STANDARD BARRIER MEDIAN TYPE 2	SOVD					58					58
1923	STANDARD BARRIER MEDIAN TYPE 5	SOVD										719
1982	DELINEATOR FOR GUARDRAIL M/W	EACH	34									34
1983	DELINEATOR FOR GUARDRAIL W/Y	EACH	3									3
2014	BARICADE TY III	EACH										50
2058	REMOVE PCC PAVEMENT (11)	SOVD	299									299
2159	TEMP DITCH	LF										12784
2160	CLEAN TEMP DITCH	LF										5642
2200	ROADWAY EXCAVATION	CUVD										260756
2291	STRUCTURE GRANULAR BACKFILL (9)	CUVD	208									208
2242	WATER (4)	MGAL										1850
2262	FENCE-WOVEN WIRE TYPE 1 (3)	LF										2500
2351	GUARDRAIL-STEEL W BEAM'S FACE	LF	2200									2200
2360	GUARDRAIL TERMINAL SECTION NO 1	EACH	2									2
2363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	EACH	4									4
2367	GUARDRAIL END TREATMENT TYPE 1	EACH	5									5
2381	REMOVE GUARDRAIL	LF	1861									1861
2383	REMOVE & RESET GUARDRAIL	LF	100									100
2387	GUARDRAIL CONNECTOR TO BRIDGE END TY A-1	EACH	3									3
2429	RIGHT-OF-WAY MONUMENT TYPE 1	EACH	4									4
2432	WITNESS POST	EACH	4									4
2471	FILL AND CAP SINKHOLE (10)	EACH	2									2
2483	CHANNEL LINING CLASS II	TON	4240									4240
2484	CHANNEL LINING CLASS III	TON	4117									4117
2545	CLEARING AND GRUBBING (1)	LS										1
2555	CONCRETE-CLASS B (10)	CUVD										1
2562	TEMPORARY SIGNS (7)	SOFT										650
2568	MOBILIZATION	LS										1
2569	DEMOLITION	LS										1
2585	EDGE KEY	LF	759	152								1144
2596	FABRIC-GEOTEXTILE TYPE I	SOVD	8527									8527
2599	FABRIC-GEOTEXTILE TYPE IV (8) (12)	SOVD	49280									49280
2650	MAINTAIN & CONTROL TRAFFIC (6)	LS										1
2671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH										6
2676	MOBILIZATION FOR MILL & TEXT	LS										1
2690	SAFEOADING	CUVD	4									4
2696	SHOULDER RUMBLE STRIPS	LF										80000
2700	SAND (14)	TON										1
2701	TEMP SILT FENCE	LF										12784
2703	SILT TRAP TYPE A	EACH										83
2704	SILT TRAP TYPE B	EACH										83
2705	SILT TRAP TYPE C	EACH										83
2706	CLEAN SILT TRAP TYPE A	EACH										83
2707	CLEAN SILT TRAP TYPE B	EACH										83
2708	CLEAN SILT TRAP TYPE C	EACH										83
2726	STAKING	LS										1
5950	EROSION CONTROL BLANKET (9)	SOVD	60334			150						60484
5952	TEMP MULCH	SOVD										267265
5953	TEMP SEEDING AND PROTECTION	SOVD										200449
5985	SEEDING AND PROTECTION	SOVD	202286				2267	2348	913	1996		209810
5963	INITIAL FERTILIZER	TON										9
5989	SPECIAL SEEDING CROWN VETCH (5)	SOVD	20361									20361
5964	20-10-10 FERTILIZER	TON										14
5992	AGRICULTURAL LIMESTONE	TON										168
6510	PAVE STRIPING-TEMP PAINT-4 IN	LF										51134
6514	PAVE STRIPING-PERM PAINT-4 IN	LF	125530									125530
6568	PAVE MARKING-THERMO STOP BAR-24 IN	LF	767									767
6569	PAVE MARKING-THERMO CROSS-HATCH	SOFT	46956									46956
6572	PAVE MARKING-DOTTED LANE EXTEN	LF	588									588
6574	PAVE MARKING-THERMO CURV ARROW	EACH	91									91
6575	PAVE MARKING-THERMO COMB ARROW	EACH	1									1
6589	PAVE MARKING-THERMO CURV ARROW	EACH										222
6591	PAVE MARKING-THERMO CURV ARROW	EACH										176
6592	PAVE MARKING-THERMO CURV ARROW	EACH										323
10020NS	FUEL ADJUSTMENT	DOLL										222111
10030NS	ASPHALT ADJUSTMENT	DOLL										244307
20071EC	JOINT ADHESIVE	LF	12040									12040
20191ED	OBJECT MARKER TY 3	EACH	5									5
20550ND	SAWCUT PAVEMENT	LF	13030									13030
21289ED	LONGITUDINAL EDGE KEY	LF	12040									12040
22045NN	FILUME INLET TY 2-MOD	EACH	2									2
2264EN	WATER BLASTING EXISTING STRIPE	LF										25567
23607EC	PAVE MARK THERMO-LANE REDUCTION ARROW	EACH	3									3
23911EC	GROUT	CUVD	78									78
24489EC	INLAID PAVEMENT MARKER	EACH										721
24679ED	PAVE MARK THERMO CHEVRON	EACH	65783									65783
20360ESR18	WOOD POST (5)	EACH	2									2

NOTES:

- ① APPROXIMATELY 61.63 ACRES. REMOVAL OF EXISTING PIPES, PIPE HEADWALLS, FENCES, ETC. ARE INCIDENTAL TO CLEARING AND GRUBBING AND NO DIRECT PAVEMENT WILL BE MADE FOR THOSE ITEMS
- ② ESTIMATED QUANTITY FOR THE WORKING PLATFORM (ESTIMATED AT 2 FEET WITH NO. 2'S) WHERE SATURATED AREAS MAY BE ENCOUNTERED. COORDINATE PLACEMENT WITH THE ENGINEER
- ③ QUANTITY IS ESTIMATED AT 2500 LF. COORDINATE PLACEMENT WITH THE ENGINEER
- ④ WATER IS FOR CONTROLLING DUST BY MAINTAINING TRAFFIC AND IS ESTIMATED AT 8500 GALLONS PER MILE
- ⑤ FOR STABILIZATION ON STEEP SLOPES
- ⑥ INCLUDES ALL NECESSARY ITEMS TO MAINTAIN AND CONTROL TRAFFIC
- ⑦ FOR MAINTAINING AND CONTROLLING TRAFFIC
- ⑧ FOR USE IN WRAPPING THE WORKING PLATFORM. COORDINATE PLACEMENT WITH THE ENGINEER
- ⑨ INCLUDES ADDITIONAL QUANTITY FOR STABILIZATION ON STEEP SLOPES
- ⑩ FILL AND CAP SINKHOLE - ALL MATERIALS NEEDED TO CLEAN, FILL & CAP SINKHOLE ARE INCIDENTAL TO THIS ITEM
- ⑪ FOR REMOVAL OF THE EXISTING APPROACH SLABS
- ⑫ INCLUDES ADDITIONAL QUANTITY FOR WRAPPING THE STRUCTURAL GRANULAR BACKFILL WHERE THE APPROACH SLABS WILL BE REPLACED WITH FULL DEPTH ASPHALT
- ⑬ FOR USE IN AREAS WHERE THE EXISTING APPROACH SLAB WILL BE REMOVED
- ⑭ FOR USE IN INSTALLATION OF THE VIBRATING WIRE LIQUID SETTLEMENT SYSTEM
- ⑮ INCLUDES TWO 4 INCH BY 4 FEET WOOD POSTS FOR USE WITH THE VIBRATING WIRE LIQUID SETTLEMENT SYSTEM

EARTHWORK CALCULATION NOTE:

ESTIMATE FOR EARTHWORK CALCULATIONS ARE FOR DESIGN ONLY. THE CONTRACTOR IS ADVISED THAT THE CALCULATIONS SHOWN ARE FOR INFORMATION ONLY. ASSUMPTIONS FOR SHRINKAGE AND SWELL FACTORS ARE THE CONTRACTOR'S RESPONSIBILITY.

EARTHWORK TOTALS

208004 CUYD COMMON
52752 CUYD EMBANKMENT BENCH
260756 CUYD TOTAL EXCAVATION
152842 CUYD EMBANKMENT
52752 CUYD EMBANKMENT BENCH
205594 CUYD TOTAL EMBANKMENT

