



Andy Beshear
GOVERNOR

TRANSPORTATION CABINET

200 Mero Street
Frankfort, Kentucky 40601

Jim Gray
SECRETARY

November 18, 2025

CALL NO. 202
CONTRACT ID NO. 251033
ADDENDUM # 1

Subject: Hardin County, 047GR25D033-FD06
Letting November 20, 2025

- (1) Revised - Material Summary - Pages 122-126 of 178
- (2) Revised - Proposal Bid Items - Pages 175-178 of 178
- (3) Revised - Plan Sheets - R2C, R2E, R50L, R133

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 black ink that reads "Rachel Mills".

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

RM:mr
Enclosures

MATERIAL SUMMARY

CONTRACT ID: 251033

047GR25D033-FD06

DE04702512533

KY-251 KY-251 IMPROVEMENTS FROM KY-3005 TO 800 FT. SOUTH OF KY-434 (MP 2.681 TO 6.137) ASPHALT SURFACE WITH GRADE & DRAIN, A DISTANCE OF 3.46 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0005	00003	CRUSHED STONE BASE	37,708.00	TON
0010	00020	TRAFFIC BOUND BASE	490.00	TON
0015	00100	ASPHALT SEAL AGGREGATE	325.00	TON
0020	00103	ASPHALT SEAL COAT	39.00	TON
0025	00190	LEVELING & WEDGING PG64-22	4,000.00	TON
0030	00212	CL2 ASPH BASE 1.00D PG64-22	21,547.00	TON
0035	00301	CL2 ASPH SURF 0.38D PG64-22	2,168.00	TON
0040	00307	CL2 ASPH SURF 0.38B PG64-22	3,970.00	TON
0045	08100	CONCRETE-CLASS A	498.44	CUYD
0050	20071EC	JOINT ADHESIVE	50,400.00	LF
0055	24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	39.00	TON
0060	00078	CRUSHED AGGREGATE SIZE NO 2	32,385.00	TON
0065	01000	PERFORATED PIPE-4 IN	8,280.00	LF
0070	01010	NON-PERFORATED PIPE-4 IN	902.00	LF
0075	01020	PERF PIPE HEADWALL TY 1-4 IN	11.00	EACH
0080	01028	PERF PIPE HEADWALL TY 3-4 IN	36.00	EACH
0085	01987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	31.00	EACH
0090	02014	BARRICADE-TYPE III	17.00	EACH
0095	02091	REMOVE PAVEMENT	4,301.00	SQYD
0100	02159	TEMP DITCH	8,575.00	LF
0105	02160	CLEAN TEMP DITCH	4,288.00	LF
0110	02200	ROADWAY EXCAVATION	131,420.00	CUYD
0115	02242	WATER	650.00	MGAL
0120	02360	GUARDRAIL TERMINAL SECTION NO 1	5.00	EACH
0125	02381	REMOVE GUARDRAIL	4,272.00	LF
0130	02391	GUARDRAIL END TREATMENT TYPE 4A	6.00	EACH
0135	02397	TEMP GUARDRAIL	462.50	LF
0140	02429	RIGHT-OF-WAY MONUMENT TYPE 1	129.00	EACH
0145	02432	WITNESS POST	3.00	EACH
0150	02483	CHANNEL LINING CLASS II	217.00	TON
0155	02484	CHANNEL LINING CLASS III	351.00	TON
0160	02545	CLEARING AND GRUBBING - 45.4 ACRES	1.00	LS
0165	02562	TEMPORARY SIGNS	665.50	SQFT
0170	02585	EDGE KEY	245.00	LF
0175	02602	FABRIC-GEOTEXTILE CLASS 1	39,352.00	SQYD
0180	02607	FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	8,239.00	SQYD
0185	02650	MAINTAIN & CONTROL TRAFFIC - (SYP 4-153.01)	1.00	LS
0190	02651	DIVERSIONS (BY-PASS DETOURS) - DIVERSIONS KY 251 #1 (REVISED 11-18-25)	1.00	LS
0195	02671	PORTABLE CHANGEABLE MESSAGE SIGN	6.00	EACH
0200	02676	MOBILIZATION FOR MILL & TEXT	1.00	LS
0205	02677	ASPHALT PAVE MILLING & TEXTURING	322.00	TON
0210	02690	SAFELOADING	90.10	CUYD

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0215	02697	EDGE LINE RUMBLE STRIPS	32,481.00	LF
0220	02701	TEMP SILT FENCE	8,575.00	LF
0225	02703	SILT TRAP TYPE A	46.00	EACH
0230	02704	SILT TRAP TYPE B	46.00	EACH
0235	02705	SILT TRAP TYPE C	46.00	EACH
0240	02706	CLEAN SILT TRAP TYPE A	46.00	EACH
0245	02707	CLEAN SILT TRAP TYPE B	46.00	EACH
0250	02708	CLEAN SILT TRAP TYPE C	46.00	EACH
0255	02726	STAKING	1.00	LS
0260	05950	EROSION CONTROL BLANKET	9,897.00	SQYD
0265	05952	TEMP MULCH	146,497.00	SQYD
0270	05953	TEMP SEEDING AND PROTECTION	109,873.00	SQYD
0275	05963	INITIAL FERTILIZER	1.40	TON
0280	05964	MAINTENANCE FERTILIZER	7.20	TON
0285	05985	SEEDING AND PROTECTION	50,975.00	SQYD
0290	05990	SODDING	78,064.00	SQYD
0295	05992	AGRICULTURAL LIMESTONE	32.00	TON
0300	06510	PAVE STRIPING-TEMP PAINT-4 IN	73,100.00	LF
0305	06515	PAVE STRIPING-PERM PAINT-6 IN	60,323.00	LF
0310	06568	PAVE MARKING-THERMO STOP BAR-24IN	26.00	LF
0315	06574	PAVE MARKING-THERMO CURV ARROW	3.00	EACH
0320	06576	PAVE MARKING-THERMO ONLY	2.00	EACH
0325	10020NS	FUEL ADJUSTMENT	101,350.00	DOLL
0330	10030NS	ASPHALT ADJUSTMENT	125,545.00	DOLL
0335	20191ED	OBJECT MARKER TY 3	6.00	EACH
0340	20458ES403	CENTERLINE RUMBLE STRIPS	16,850.00	LF
0345	21289ED	LONGITUDINAL EDGE KEY	15,087.00	LF
0350	21802EN	G/R STEEL W BEAM-S FACE (7 FT POST)	3,112.50	LF
0355	22520EN	PAVE MARKING-THERMO YIELD BAR-36 IN	12.00	LF
0360	23274EN11F	TURF REINFORCEMENT MAT 1	11,711.00	SQYD
0365	24466EN	FENCE-SPECIAL	50.00	LF
0370	24540	R/W MONUMENT TYPE 3	5.00	EACH
0375	26248EC	ELECTRONIC DELIVERY MGMT SYSTEM - AGG	1.00	LS
0380	00440	ENTRANCE PIPE-15 IN	3,038.00	LF
0385	00441	ENTRANCE PIPE-18 IN	424.00	LF
0390	00462	CULVERT PIPE-18 IN	1,983.00	LF
0395	00464	CULVERT PIPE-24 IN	325.00	LF
0400	00522	STORM SEWER PIPE-18 IN	4.00	LF
0405	01204	PIPE CULVERT HEADWALL-18 IN	20.00	EACH
0410	01208	PIPE CULVERT HEADWALL-24 IN	1.00	EACH
0415	01433	SLOPED BOX OUTLET TYPE 1-18 IN	2.00	EACH
0420	01450	S & F BOX INLET-OUTLET-18 IN	15.00	EACH
0425	01451	S & F BOX INLET-OUTLET-24 IN	9.00	EACH
0430	01496	DROP BOX INLET TYPE 3 - (REVISED 11-18-25)	6.00	EACH
0435	01497	DROP BOX INLET TYPE 3 MOD	2.00	EACH
0440	01650	JUNCTION BOX	1.00	EACH
0445	03262	CLEAN PIPE STRUCTURE	23.00	EACH
0450	24814EC	PIPELINE INSPECTION	2,312.00	LF
0455	08002	STRUCTURE EXCAV-SOLID ROCK	33.20	CUYD
0460	08003	FOUNDATION PREPARATION	1.00	LS

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0465	08100	CONCRETE-CLASS A	84.60	CUYD
0470	08150	STEEL REINFORCEMENT	9,503.00	LB
0475	21173EC	SAW-CLEAN-RESEAL RANDOM CRACKS	30.00	LF
0480	23930EC	LIGHTWEIGHT CELLULAR CONCRETE FILL	360.00	CUYD
0485	40101	CONCRETE PATCHING	2.50	SQFT
0490	02568	MOBILIZATION	1.00	LS
0495	02569	DEMOBILIZATION	1.00	LS
0500	02651	DIVERSIONS (BY-PASS DETOURS) - CULVERT 246+43.70 (ADDED 11-18-2025)	1.00	LS

CONTRACT ID: 251033

047GR25D033-FD06

DE04702512534

KY 3005/ KY 251 ROUNDABOUT CONVERT INTERSECTION TO 2-LANE ROUNDABOUT AT KY-3005 AND KY-251 GRADE & DRAIN WITH ASPHALT SURFACE, A DISTANCE OF .4 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0500	00003	CRUSHED STONE BASE	153.00	TON
0505	00100	ASPHALT SEAL AGGREGATE	338.00	TON
0510	00103	ASPHALT SEAL COAT	41.00	TON
0515	00194	LEVELING & WEDGING PG76-22	28.00	TON
0520	00214	CL3 ASPH BASE 1.00D PG64-22	159.00	TON
0525	00356	ASPHALT MATERIAL FOR TACK	7.00	TON
0530	00387	CL3 ASPH SURF 0.38B PG76-22	1,393.00	TON
0535	02677	ASPHALT PAVE MILLING & TEXTURING	1,655.00	TON
0540	24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	7.00	TON
0545	01810	STANDARD CURB AND GUTTER	561.00	LF
0550	01825	ISLAND CURB AND GUTTER - MODIFIED	395.00	LF
0555	01875	STANDARD HEADER CURB	1,206.00	LF
0560	01890	ISLAND HEADER CURB TYPE 1	986.00	LF
0565	01947	MOUNTABLE MEDIAN TYPE 3A	143.00	SQYD
0570	02014	BARRICADE-TYPE III	8.00	EACH
0575	02016	REMOVE CONCRETE ISLAND	57.00	SQYD
0580	02069	JPC PAVEMENT-10 IN	320.00	SQYD
0585	02101	CEM CONC ENT PAVEMENT-8 IN	978.00	SQYD
0590	02159	TEMP DITCH	1,033.00	LF
0595	02160	CLEAN TEMP DITCH	516.00	LF
0600	02200	ROADWAY EXCAVATION	367.00	CUYD
0605	02545	CLEARING AND GRUBBING - 0.14 AC	1.00	LS
0610	02562	TEMPORARY SIGNS	800.00	SQFT
0615	02585	EDGE KEY	250.00	LF
0620	02650	MAINTAIN & CONTROL TRAFFIC - (SYP 4-153.06)	1.00	LS
0625	02671	PORTABLE CHANGEABLE MESSAGE SIGN	4.00	EACH
0630	02676	MOBILIZATION FOR MILL & TEXT	1.00	LS
0635	02701	TEMP SILT FENCE	3,791.00	LF
0640	02703	SILT TRAP TYPE A	1.00	EACH
0645	02704	SILT TRAP TYPE B	1.00	EACH
0650	02705	SILT TRAP TYPE C	8.00	EACH

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0655	02706	CLEAN SILT TRAP TYPE A	1.00	EACH
0660	02707	CLEAN SILT TRAP TYPE B	1.00	EACH
0665	02708	CLEAN SILT TRAP TYPE C	16.00	EACH
0670	02720	SIDEWALK-4 IN CONCRETE	498.00	SQYD
0675	02726	STAKING	1.00	LS
0680	02775	ARROW PANEL	3.00	EACH
0685	05950	EROSION CONTROL BLANKET	471.00	SQYD
0690	05952	TEMP MULCH	452.00	SQYD
0695	05953	TEMP SEEDING AND PROTECTION	339.00	SQYD
0700	05963	INITIAL FERTILIZER	1.00	TON
0705	05964	MAINTENANCE FERTILIZER	1.00	TON
0710	05985	SEEDING AND PROTECTION	581.00	SQYD
0715	05990	SODDING	76.00	SQYD
0720	05992	AGRICULTURAL LIMESTONE	0.50	TON
0725	05997	TOPSOIL FURNISHED AND PLACED	163.00	CUYD
0730	06511	PAVE STRIPING-TEMP PAINT-6 IN	8,300.00	LF
0735	06542	PAVE STRIPING-THERMO-6 IN W	8,766.00	LF
0740	06543	PAVE STRIPING-THERMO-6 IN Y	4,593.00	LF
0745	06544	PAVE STRIPING-THERMO-8 IN W	211.00	LF
0750	06546	PAVE STRIPING-THERMO-12 IN W	132.00	LF
0755	06569	PAVE MARKING-THERMO CROSS-HATCH	9,959.00	SQFT
0760	06573	PAVE MARKING-THERMO STR ARROW	4.00	EACH
0765	06574	PAVE MARKING-THERMO CURV ARROW	22.00	EACH
0770	06575	PAVE MARKING-THERMO COMB ARROW	2.00	EACH
0775	06610	INLAID PAVEMENT MARKER-MW	115.00	EACH
0780	06612	INLAID PAVEMENT MARKER-BY	78.00	EACH
0785	21289ED	LONGITUDINAL EDGE KEY	349.00	LF
0790	22520EN	PAVE MARKING-THERMO YIELD BAR-36 IN	86.00	LF
0795	22664EN	WATER BLASTING EXISTING STRIPE	2,293.00	LF
0800	23158ES505	DETECTABLE WARNINGS	160.00	SQFT
0805	23261EC	PAVE MARK-THERMO-X-WALK-24 IN	450.00	LF
0810	23721NN	LANDSCAPING	1.00	LS
0815	24114EC	PAVE MARK-THERMO-YIELD	8.00	EACH
0820	24115EC	ROUNDAABOUT ARROW	28.00	EACH
0825	24683ED	PAVE MARKING-THERMO DOTTED LANE EXTEN	62.00	LF
0830	24955ED	REMOVE SIGNAL EQUIPMENT	1.00	EACH
0840	00521	STORM SEWER PIPE-15 IN	242.00	LF
0845	00522	STORM SEWER PIPE-18 IN	49.00	LF
0850	01310	REMOVE PIPE	16.00	LF
0855	01456	CURB BOX INLET TYPE A	8.00	EACH
0860	01550	DROP BOX INLET TYPE 12A	2.00	LF
0865	01584	CAP DROP BOX INLET	2.00	EACH
0870	02607	FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	408.00	SQYD
0875	06406	SBM ALUM SHEET SIGNS .080 IN	591.00	SQFT
0880	06407	SBM ALUM SHEET SIGNS .125 IN	42.00	SQFT
0885	06410	STEEL POST TYPE 1	733.00	LF
0890	21596ND	GMSS TYPE D	18.00	EACH
0895	24631EC	BARCODE SIGN INVENTORY	122.00	EACH
0900	04820	TRENCHING AND BACKFILLING	2,550.00	LF
0905	20391NS835	ELECTRICAL JUNCTION BOX TYPE A	8.00	EACH

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0910	21543EN	BORE AND JACK CONDUIT	750.00	LF
0915	24901EC	PVC CONDUIT-2 IN-SCHEDULE 80	2,800.00	LF
0920	02569	DEMOBILIZATION	1.00	LS

251033

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	37,861.00	TON		\$	
0020	00020		TRAFFIC BOUND BASE	490.00	TON		\$	
0030	00100		ASPHALT SEAL AGGREGATE	663.00	TON		\$	
0040	00103		ASPHALT SEAL COAT	80.00	TON		\$	
0050	00190		LEVELING & WEDGING PG64-22	4,000.00	TON		\$	
0060	00194		LEVELING & WEDGING PG76-22	28.00	TON		\$	
0070	00212		CL2 ASPH BASE 1.00D PG64-22	21,547.00	TON		\$	
0080	00214		CL3 ASPH BASE 1.00D PG64-22	159.00	TON		\$	
0090	00301		CL2 ASPH SURF 0.38D PG64-22	2,168.00	TON		\$	
0100	00307		CL2 ASPH SURF 0.38B PG64-22	3,970.00	TON		\$	
0110	00356		ASPHALT MATERIAL FOR TACK	7.00	TON		\$	
0120	00387		CL3 ASPH SURF 0.38B PG76-22	1,393.00	TON		\$	
0130	02677		ASPHALT PAVE MILLING & TEXTURING	1,655.00	TON		\$	
0140	08100		CONCRETE-CLASS A	498.44	CUYD		\$	
0150	20071EC		JOINT ADHESIVE	50,400.00	LF		\$	
0160	24970EC		ASPHALT MATERIAL FOR TACK NON-TRACKING	46.00	TON		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0170	00078		CRUSHED AGGREGATE SIZE NO 2	32,385.00	TON		\$	
0180	01000		PERFORATED PIPE-4 IN	8,280.00	LF		\$	
0190	01010		NON-PERFORATED PIPE-4 IN	902.00	LF		\$	
0200	01020		PERF PIPE HEADWALL TY 1-4 IN	11.00	EACH		\$	
0210	01028		PERF PIPE HEADWALL TY 3-4 IN	36.00	EACH		\$	
0220	01810		STANDARD CURB AND GUTTER	561.00	LF		\$	
0230	01825		ISLAND CURB AND GUTTER MODIFIED	395.00	LF		\$	
0240	01875		STANDARD HEADER CURB	1,206.00	LF		\$	
0250	01890		ISLAND HEADER CURB TYPE 1	986.00	LF		\$	
0260	01947		MOUNTABLE MEDIAN TYPE 3A	143.00	SQYD		\$	
0270	01987		DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	31.00	EACH		\$	
0280	02014		BARRICADE-TYPE III	25.00	EACH		\$	
0290	02016		REMOVE CONCRETE ISLAND	57.00	SQYD		\$	
0300	02069		JPC PAVEMENT-10 IN	320.00	SQYD		\$	
0310	02091		REMOVE PAVEMENT	4,301.00	SQYD		\$	
0320	02101		CEM CONC ENT PAVEMENT-8 IN	978.00	SQYD		\$	
0330	02159		TEMP DITCH	9,608.00	LF		\$	
0340	02160		CLEAN TEMP DITCH	4,804.00	LF		\$	
0350	02200		ROADWAY EXCAVATION	131,787.00	CUYD		\$	
0360	02242		WATER	650.00	MGAL		\$	
0370	02360		GUARDRAIL TERMINAL SECTION NO 1	5.00	EACH		\$	

Report Date 11/18/25

Page 2 of 4

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0380	02381		REMOVE GUARDRAIL	4,272.00	LF		\$	
0390	02391		GUARDRAIL END TREATMENT TYPE 4A	6.00	EACH		\$	
0400	02397		TEMP GUARDRAIL	462.50	LF		\$	
0410	02429		RIGHT-OF-WAY MONUMENT TYPE 1	129.00	EACH		\$	
0420	02432		WITNESS POST	3.00	EACH		\$	
0430	02483		CHANNEL LINING CLASS II	217.00	TON		\$	
0440	02484		CHANNEL LINING CLASS III	351.00	TON		\$	
0450	02545		CLEARING AND GRUBBING 0.14 AC	1.00	LS		\$	
0460	02545		CLEARING AND GRUBBING 45.4 ACRES	1.00	LS		\$	
0470	02562		TEMPORARY SIGNS	1,465.50	SQFT		\$	
0480	02585		EDGE KEY	495.00	LF		\$	
0490	02602		FABRIC-GEOTEXTILE CLASS 1	39,352.00	SQYD		\$	
0500	02607		FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	8,239.00	SQYD	\$2.00	\$	\$16,478.00
0510	02650		MAINTAIN & CONTROL TRAFFIC (SYP 4-153.01)	1.00	LS		\$	
0520	02650		MAINTAIN & CONTROL TRAFFIC (SYP 4-153.06)	1.00	LS		\$	
0530	02651		DIVERSIONS (BY-PASS DETOURS) DIVERSONS KY 251 #1 (REVISED 11-18-25)	1.00	LS		\$	
0535	02651		DIVERSIONS (BY-PASS DETOURS) CULVERT 246+43.70 (ADDED 11-18-2025)	1.00	LS		\$	
0540	02671		PORTABLE CHANGEABLE MESSAGE SIGN	10.00	EACH		\$	
0550	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0560	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0570	02677		ASPHALT PAVE MILLING & TEXTURING	322.00	TON		\$	
0580	02690		SAFELOADING	90.10	CUYD		\$	
0590	02697		EDGE LINE RUMBLE STRIPS	32,481.00	LF		\$	
0600	02701		TEMP SILT FENCE	12,366.00	LF		\$	
0610	02703		SILT TRAP TYPE A	47.00	EACH		\$	
0620	02704		SILT TRAP TYPE B	47.00	EACH		\$	
0630	02705		SILT TRAP TYPE C	54.00	EACH		\$	
0640	02706		CLEAN SILT TRAP TYPE A	47.00	EACH		\$	
0650	02707		CLEAN SILT TRAP TYPE B	47.00	EACH		\$	
0660	02708		CLEAN SILT TRAP TYPE C	62.00	EACH		\$	
0670	02720		SIDEWALK-4 IN CONCRETE	498.00	SQYD		\$	
0680	02726		STAKING	1.00	LS		\$	
0690	02726		STAKING	1.00	LS		\$	
0700	02775		ARROW PANEL	3.00	EACH		\$	
0710	05950		EROSION CONTROL BLANKET	10,368.00	SQYD		\$	
0720	05952		TEMP MULCH	146,949.00	SQYD		\$	
0730	05953		TEMP SEEDING AND PROTECTION	110,212.00	SQYD		\$	
0740	05963		INITIAL FERTILIZER	2.40	TON		\$	
0750	05964		MAINTENANCE FERTILIZER	8.20	TON		\$	
0760	05985		SEEDING AND PROTECTION	51,556.00	SQYD		\$	
0770	05990		SODDING	78,140.00	SQYD		\$	
0780	05992		AGRICULTURAL LIMESTONE	32.50	TON		\$	
0790	05997		TOPSOIL FURNISHED AND PLACED	163.00	CUYD		\$	
0800	06510		PAVE STRIPING-TEMP PAINT-4 IN	73,100.00	LF		\$	
0810	06511		PAVE STRIPING-TEMP PAINT-6 IN	8,300.00	LF		\$	

PROPOSAL BID ITEMS

251033

Page 3 of 4

Report Date 11/18/25

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0820	06515		PAVE STRIPING-PERM PAINT-6 IN	60,323.00	LF		\$	
0830	06542		PAVE STRIPING-THERMO-6 IN W	8,766.00	LF		\$	
0840	06543		PAVE STRIPING-THERMO-6 IN Y	4,593.00	LF		\$	
0850	06544		PAVE STRIPING-THERMO-8 IN W	211.00	LF		\$	
0860	06546		PAVE STRIPING-THERMO-12 IN W	132.00	LF		\$	
0870	06568		PAVE MARKING-THERMO STOP BAR-24IN	26.00	LF		\$	
0880	06569		PAVE MARKING-THERMO CROSS-HATCH	9,959.00	SQFT		\$	
0890	06573		PAVE MARKING-THERMO STR ARROW	4.00	EACH		\$	
0900	06574		PAVE MARKING-THERMO CURV ARROW	25.00	EACH		\$	
0910	06575		PAVE MARKING-THERMO COMB ARROW	2.00	EACH		\$	
0920	06576		PAVE MARKING-THERMO ONLY	2.00	EACH		\$	
0930	06610		INLAID PAVEMENT MARKER-MW	115.00	EACH		\$	
0940	06612		INLAID PAVEMENT MARKER-BY	78.00	EACH		\$	
0950	10020NS		FUEL ADJUSTMENT	101,350.00	DOLL	\$1.00	\$	\$101,350.00
0960	10030NS		ASPHALT ADJUSTMENT	125,545.00	DOLL	\$1.00	\$	\$125,545.00
0970	20191ED		OBJECT MARKER TY 3	6.00	EACH		\$	
0980	20458ES403		CENTERLINE RUMBLE STRIPS	16,850.00	LF		\$	
0990	21289ED		LONGITUDINAL EDGE KEY	15,436.00	LF		\$	
1000	21802EN		G/R STEEL W BEAM-S FACE (7 FT POST)	3,112.50	LF		\$	
1010	22520EN		PAVE MARKING-THERMO YIELD BAR-36 IN	98.00	LF		\$	
1020	22664EN		WATER BLASTING EXISTING STRIPE	2,293.00	LF		\$	
1030	23158ES505		DETECTABLE WARNINGS	160.00	SQFT		\$	
1040	23261EC		PAVE MARK-THERMO-X-WALK-24 IN	450.00	LF		\$	
1050	23274EN11F		TURF REINFORCEMENT MAT 1	11,711.00	SQYD		\$	
1060	23721NN		LANDSCAPING	1.00	LS		\$	
1070	24114EC		PAVE MARK-THERMO-YIELD	8.00	EACH		\$	
1080	24115EC		ROUNDAABOUT ARROW	28.00	EACH		\$	
1090	24466EN		FENCE-SPECIAL	50.00	LF		\$	
1100	24540		R/W MONUMENT TYPE 3	5.00	EACH		\$	
1110	24683ED		PAVE MARKING-THERMO DOTTED LANE EXTEN	62.00	LF		\$	
1120	24955ED		REMOVE SIGNAL EQUIPMENT	1.00	EACH		\$	
1130	26248EC		ELECTRONIC DELIVERY MGMT SYSTEM - AGG	1.00	LS		\$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1140	00440		ENTRANCE PIPE-15 IN	3,038.00	LF		\$	
1150	00441		ENTRANCE PIPE-18 IN	424.00	LF		\$	
1160	00462		CULVERT PIPE-18 IN	1,983.00	LF		\$	
1170	00464		CULVERT PIPE-24 IN	325.00	LF		\$	
1180	00521		STORM SEWER PIPE-15 IN	242.00	LF		\$	
1190	00522		STORM SEWER PIPE-18 IN	53.00	LF		\$	
1200	01204		PIPE CULVERT HEADWALL-18 IN	20.00	EACH		\$	
1210	01208		PIPE CULVERT HEADWALL-24 IN	1.00	EACH		\$	
1220	01310		REMOVE PIPE	16.00	LF		\$	
1230	01433		SLOPED BOX OUTLET TYPE 1-18 IN	2.00	EACH		\$	
1240	01450		S & F BOX INLET-OUTLET-18 IN	15.00	EACH		\$	

PROPOSAL BID ITEMS

251033

Page 4 of 4

Report Date 11/18/25

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1250	01451		S & F BOX INLET-OUTLET-24 IN	9.00	EACH		\$	
1260	01456		CURB BOX INLET TYPE A	8.00	EACH		\$	
1270	01496		DROP BOX INLET TYPE 3 (REVISED 11-18-25)	6.00	EACH		\$	
1280	01497		DROP BOX INLET TYPE 3 MOD	2.00	EACH		\$	
1290	01550		DROP BOX INLET TYPE 12A	2.00	LF		\$	
1300	01584		CAP DROP BOX INLET	2.00	EACH		\$	
1310	01650		JUNCTION BOX	1.00	EACH		\$	
1320	02607		FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	408.00	SQYD	\$2.00	\$	\$816.00
1330	03262		CLEAN PIPE STRUCTURE	23.00	EACH		\$	
1340	24814EC		PIPELINE INSPECTION	2,312.00	LF		\$	

Section: 0004 - BRIDGE- 5'X5' RCBC DRAWING #28431

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1350	08002		STRUCTURE EXCAV-SOLID ROCK	33.20	CUYD		\$	
1360	08003		FOUNDATION PREPARATION	1.00	LS		\$	
1370	08100		CONCRETE-CLASS A	84.60	CUYD		\$	
1380	08150		STEEL REINFORCEMENT	9,503.00	LB		\$	
1390	21173EC		SAW-CLEAN-RESEAL RANDOM CRACKS	30.00	LF		\$	
1400	23930EC		LIGHTWEIGHT CELLULAR CONCRETE FILL	360.00	CUYD		\$	
1410	40101		CONCRETE PATCHING	2.50	SQFT		\$	

Section: 0005 - SIGNING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1420	06406		SBM ALUM SHEET SIGNS .080 IN	591.00	SQFT		\$	
1430	06407		SBM ALUM SHEET SIGNS .125 IN	42.00	SQFT		\$	
1440	06410		STEEL POST TYPE 1	733.00	LF		\$	
1450	21596ND		GMSS TYPE D	18.00	EACH		\$	
1460	24631EC		BARCODE SIGN INVENTORY	122.00	EACH		\$	

Section: 0006 - LIGHTING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1470	04820		TRENCHING AND BACKFILLING	2,550.00	LF		\$	
1480	20391NS835		ELECTRICAL JUNCTION BOX TYPE A	8.00	EACH		\$	
1490	21543EN		BORE AND JACK CONDUIT	750.00	LF		\$	
1500	24901EC		PVC CONDUIT-2 IN-SCHEDULE 80	2,800.00	LF		\$	

Section: 0007 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1510	02568		MOBILIZATION	1.00	LS		\$	
1520	02569		DEMOBILIZATION	1.00	LS		\$	

GENERAL SUMMARY

ITEM	DESCRIPTION	UNIT	KY 251	AMBERWOOD DR.	BATES RD.	WOOLDRIDGE FERRY RD.	GRAND HILL PL.	WEST BRYAN RD.	EAST BRYAN RD.	FIVE OAKS DR.	WOODSWAY DR.	THICKET DR.	ENTRANCES	KY 251 DIVERSIONS #1	TOTALS
78	CRUSHED AGGREGATE SIZE NO 2	TON	32385												32385
1000	PERFORATED PIPE-4 IN	LF	8280												8280
1010	NON-PERFORATED PIPE-4 IN	LF	902												902
1020	PERF PIPE HEADWALL TY 1-4 IN	EACH	11												11
1028	PERF PIPE HEADWALL TY 3-4 IN	EACH	36												36
1987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	EACH	31												31
2014	BARRICADE-TYPE IIII	EACH	15			2									17
2091	REMOVE PAVEMENT	SOYD	4301												4301
2159	TEMP DITCH	LF	8575												8575
2160	CLEAN TEMP DITCH	LF	4288												4288
2200	ROADWAY EXCAVATION	CUYD	131420												131420
2242	WATER	MGAL	650												650
2360	GUARDRAIL TERMINAL SECTION NO 1	EACH	4											1	5
2381	REMOVE GUARDRAIL	LF	4272												4272
2391	GUARDRAIL END TREATMENT TYPE 4A	EACH	5										1	1	6
2397	TEMP GUARDRAIL	LF											462.5	462.5	462.5
2429	RIGHT-OF-WAY MONUMENT TYPE 1	EACH	129												129
2432	WITNESS POST	EACH	3												3
2483	CHANNEL LINING CLASS II	TON	217												217
2484	CHANNEL LINING CLASS III	TON	351												351
2545	CLEARING AND GRUBBING	LS	1												1
2562	TEMPORARY SIGNS	SOFT	665.5												665.5
2568	MOBILIZATION	LS	1												1
2569	DEMOBILIZATION	LS	1												1
2585	EDGE KEY	LF	53	22	22	20	22	20	18	22	22	24			245
2602	FABRIC-GEOTEXTILE CLASS 1	SOYD	39352												39352
2607	FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	SOYD	8239												8239
2650	MAINTAIN & CONTROL TRAFFIC	LS	1												1
2651	DIVERSIONS (KY 251 #1)	LS	1												1
2651	DIVERSIONS (CULVERT 246+43.70)	LS	1												1
2671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	6												6
2676	MOBILIZATION FOR MILL & TEXT	LS	1												1
2677	ASPHALT PAVE MILLING & TEXTURING	TON	322												322
2690	SAFELOADING	CUYD	90.1												90.1
2697	EDGE LINE RUMBLE STRIPS	LF	32481												32481
2701	TEMP SILT FENCE	LF	8575												8575
2703	SILT TRAP TYPE A	EACH	46												46
2704	SILT TRAP TYPE B	EACH	46												46
2705	SILT TRAP TYPE C	EACH	46												46
2706	CLEAN SILT TRAP TYPE A	EACH	46												46
2707	CLEAN SILT TRAP TYPE B	EACH	46												46
2708	CLEAN SILT TRAP TYPE C	EACH	46												46
2726	STAKING	LS	1												1
5950	EROSION CONTROL BLANKET	SOYD	9897												9897
5952	TEMP MULCH	SOYD	146497												146497
5953	TEMP SEEDING AND PROTECTION	SOYD	109873												109873
5963	INITIAL FERTILIZER	TON	1.4												1.4
5964	MAINTENANCE FERTILIZER	TON	7.2												7.2
5985	SEEDING AND PROTECTION	SOYD	50975												50975
5990	SODDING	SOYD	78064												78064
5992	AGRICULTURAL LIMESTONE	TON	32												32
6510	PAVE STRIPING-TEMP PAINT-4 IN	LF	73100												73100
6515	PAVE STRIPING-PERM PAINT-6 IN	LF	60323												60323
6568	PAVE MARKING-THERMO STOP BAR-24IN	LF	26												26
6574	PAVE MARKING-THERMO CURV ARROW	EACH	3												3
6576	PAVE MARKING-THERMO ONLY	EACH	2												2

NOTES:

EROSION CONTROL QUANTITIES ARE BASED ON THE PROBABLE AMOUNT OF EROSION CONTROL FEATURES AS ESTIMATED BY THE DESIGNER.

- ① INCLUDES THE FOLLOWING:
12482 TONS PER GEOTECH NOTE 15
19856 TONS PER GEOTECH NOTE 16
14 TONS PER GEOTECH NOTE 20
26 TONS PER GEOTECH NOTE 21
7 TONS PER GEOTECH NOTE 22
- ② INCLUDES THE FOLLOWING:
1353 LF PER GEOTECH NOTE 20
6675 LF PER GEOTECH NOTE 21
252 LF PER GEOTECH NOTE 22
- ③ INCLUDES THE FOLLOWING:
168 LF PER GEOTECH NOTE 20
650 LF PER GEOTECH NOTE 21
84 LF PER GEOTECH NOTE 22
- ④ INCLUDES THE FOLLOWING:
9 EACH PER GEOTECH NOTE 21
2 EACH PER GEOTECH NOTE 22
- ⑤ INCLUDES THE FOLLOWING:
14 EACH PER GEOTECH NOTE 20
17 EACH PER GEOTECH NOTE 21
5 EACH PER GEOTECH NOTE 22
- ⑥ FOR CONTROLLING DUST CAUSED BY MAINTAINING TRAFFIC ONLY
- ⑦ GUARDRAIL REMOVED SHALL BE TRANSPORTED TO THE BAILEY BRIDGE LOT @ 1224 WILKINSON BLVD. IN FRANKFORT, KENTUCKY. PAYMENT SHALL BE INCIDENTAL TO BID ITEM 2381 (REMOVE GUARDRAIL)
- ⑧ 205 TONS FROM PIPE SUMMARY, 12 TONS FOR DITCH LINING
- ⑨ 59 TONS FROM PIPE SUMMARY, 292 TONS FOR DITCH LINING
- ⑩ APPROXIMATELY 45.4 ACRES
- ⑪ 165.5 SOFT FOR DETOUR SIGNS, 500 SOFT FOR MISC. TEMP. SIGNS
- ⑫ INCLUDES THE FOLLOWING:
403 SOYD FROM PIPE SUMMARY
304 SOYD FOR DITCH LINING
9867 SOYD PER GEOTECH NOTE 15
28778 SOYD PER GEOTECH NOTE 16
- ⑬ FOR WRAPPING PIPE TRENCH BACKFILL
- ⑭ DIVERSION #1 - KY 251 STA. 325+00 SHEET R88
- ⑮ MILLINGS SHALL BECOME THE PROPERTY OF THE CONTRACTOR
- ⑯ 35.8 CUYD FROM PIPE SUMMARY
- ⑰ FOR DITCH LINING
9564 SOYD FOR DITCH LINING
161 SOYD FROM PIPE SUMMARY
- ⑱ FOR USE ON RESIDENTIAL LOTS AND/OR AS DIRECTED BY THE ENGINEER
- EARTHWORK CALCULATIONS:
EMBANKMENT:
72424 CU.YD. EMB. TOTAL

EXCAVATION:
107554 CU.YD. COM. EXC.
285 CU.YD. DIT. EXC.**
14,280 CU.YD. EMB. BENCHING
9,301 CU.YD. PROFILE BENCHING

131,420 CU.YD. TOTAL EXCAVATION
35,415 CU.YD. EXC. AVAILABLE
**CARRIED OVER FROM PIPE SUMMARY
- THE EARTHWORK SHOWN ABOVE IS FOR INFORMATION ONLY. ASSUMPTIONS FOR SHRINKAGE AND SWELL FACTORS ARE THE CONTRACTOR'S RESPONSIBILITY.

GENERAL SUMMARY

GENERAL SUMMARY

ITEM	DESCRIPTION	UNIT	KY 251	AMBERWOOD DR.	BATES RD.	WOOLDRIDGE FERRY RD.	GRAND HILL PL.	WEST BRYAN RD.	EAST BRYAN RD.	FIVE OAKS DR.	WOODSWAY DR.	THICKET DR.	ENTRANCES	KY 251 DIVERSIONS #1	TOTALS
78	CRUSHED AGGREGATE SIZE NO 2	TON	32385												32385
1000	PERFORATED PIPE-4 IN	LF	8280												8280
1010	NON-PERFORATED PIPE-4 IN	LF	902												902
1020	PERF PIPE HEADWALL TY 1-4 IN	EACH	11												11
1028	PERF PIPE HEADWALL TY 3-4 IN	EACH	36												36
1987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	EACH	31												31
2014	BARRICADE-TYPE IIII	EACH	15			2									17
2091	REMOVE PAVEMENT	SOYD	4301												4301
2159	TEMP DITCH	LF	8575												8575
2160	CLEAN TEMP DITCH	LF	4288												4288
2200	ROADWAY EXCAVATION	CUYD	131420												131420
2242	WATER	MGAL	650												650
2360	GUARDRAIL TERMINAL SECTION NO 1	EACH	4											1	5
2381	REMOVE GUARDRAIL	LF	4272												4272
2391	GUARDRAIL END TREATMENT TYPE 4A	EACH	5										1		6
2397	TEMP GUARDRAIL	LF											462.5		462.5
2429	RIGHT-OF-WAY MONUMENT TYPE 1	EACH	129												129
2432	WITNESS POST	EACH	3												3
2483	CHANNEL LINING CLASS II	TON	217												217
2484	CHANNEL LINING CLASS III	TON	351												351
2545	CLEARING AND GRUBBING	LS	1												1
2562	TEMPORARY SIGNS	SOFT	665.5												665.5
2568	MOBILIZATION	LS	1												1
2569	DEMOBILIZATION	LS	1												1
2585	EDGE KEY	LF	53	22	22	20	22	20	18	22	22	24			245
2602	FABRIC-GEOTEXTILE CLASS 1	SOYD	39352												39352
2607	FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	SOYD	8239												8239
2650	MAINTAIN & CONTROL TRAFFIC	LS	1												1
2651	DIVERSIONS KY 251 #11	LS	1												1
2651	DIVERSIONS (CULVERT 246+43.70)	LS	1												1
2671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	6												6
2676	MOBILIZATION FOR MILL & TEXT	LS	1												1
2677	ASPHALT PAVE MILLING & TEXTURING	TON	322												322
2690	SAFELOADING	CUYD	90.1												90.1
2697	EDGE LINE RUMBLE STRIPS	LF	32481												32481
2701	TEMP SILT FENCE	LF	8575												8575
2703	SILT TRAP TYPE A	EACH	46												46
2704	SILT TRAP TYPE B	EACH	46												46
2705	SILT TRAP TYPE C	EACH	46												46
2706	CLEAN SILT TRAP TYPE A	EACH	46												46
2707	CLEAN SILT TRAP TYPE B	EACH	46												46
2708	CLEAN SILT TRAP TYPE C	EACH	46												46
2726	STAKING	LS	1												1
5950	EROSION CONTROL BLANKET	SOYD	9897												9897
5952	TEMP MULCH	SOYD	146497												146497
5953	TEMP SEEDING AND PROTECTION	SOYD	109873												109873
5963	INITIAL FERTILIZER	TON	1.4												1.4
5964	MAINTENANCE FERTILIZER	TON	7.2												7.2
5985	SEEDING AND PROTECTION	SOYD	50975												50975
5990	SODDING	SOYD	78064												78064
5992	AGRICULTURAL LIMESTONE	TON	32												32
6510	PAVE STRIPING-TEMP PAINT-4 IN	LF	73100												73100
6515	PAVE STRIPING-PERM PAINT-6 IN	LF	60323												60323
6568	PAVE MARKING-THERMO STOP BAR-24IN	LF	26												26
6574	PAVE MARKING-THERMO CURV ARROW	EACH	3												3
6576	PAVE MARKING-THERMO ONLY	EACH	2												2

NOTES:

EROSION CONTROL QUANTITIES ARE BASED ON THE PROBABLE AMOUNT OF EROSION CONTROL FEATURES AS ESTIMATED BY THE DESIGNER.

① INCLUDES THE FOLLOWING:
12482 TONS PER GEOTECH NOTE 15
19856 TONS PER GEOTECH NOTE 16
14 TONS PER GEOTECH NOTE 20
26 TONS PER GEOTECH NOTE 21
7 TONS PER GEOTECH NOTE 22

② INCLUDES THE FOLLOWING:
1353 LF PER GEOTECH NOTE 20
6675 LF PER GEOTECH NOTE 21
252 LF PER GEOTECH NOTE 22

③ INCLUDES THE FOLLOWING:
168 LF PER GEOTECH NOTE 20
650 LF PER GEOTECH NOTE 21
84 LF PER GEOTECH NOTE 22

④ INCLUDES THE FOLLOWING:
9 EACH PER GEOTECH NOTE 21
2 EACH PER GEOTECH NOTE 22

⑤ INCLUDES THE FOLLOWING:
14 EACH PER GEOTECH NOTE 20
17 EACH PER GEOTECH NOTE 21
5 EACH PER GEOTECH NOTE 22

⑥ FOR CONTROLLING DUST CAUSED BY MAINTAINING TRAFFIC ONLY

⑦ GUARDRAIL REMOVED SHALL BE TRANSPORTED TO THE BAILEY BRIDGE LOT @ 1224 WILKINSON BLVD. IN FRANKFORT, KENTUCKY. PAYMENT SHALL BE INCIDENTAL TO BID ITEM 2381 (REMOVE GUARDRAIL)

⑧ 205 TONS FROM PIPE SUMMARY, 12 TONS FOR DITCH LINING

⑨ 59 TONS FROM PIPE SUMMARY, 292 TONS FOR DITCH LINING

⑩ APPROXIMATELY 45.4 ACRES

⑪ 165.5 SOFT FOR DETOUR SIGNS, 500 SOFT FOR MISC. TEMP. SIGNS

⑫ INCLUDES THE FOLLOWING:
403 SOYD FROM PIPE SUMMARY
304 SOYD FOR DITCH LINING
9867 SOYD PER GEOTECH NOTE 15
28778 SOYD PER GEOTECH NOTE 16

⑬ FOR WRAPPING PIPE TRENCH BACKFILL

⑭ DIVERSION #1 - KY 251 STA. 325+00 SHEET R88

⑮ MILLINGS SHALL BECOME THE PROPERTY OF THE CONTRACTOR

⑯ 35.8 CUYD FROM PIPE SUMMARY

⑰ FOR DITCH LINING

9564 SOYD FOR DITCH LINING
161 SOYD FROM PIPE SUMMARY

⑱ FOR USE ON RESIDENTIAL LOTS AND/OR AS DIRECTED BY THE ENGINEER

EARTHWORK CALCULATIONS:	
EMBANKMENT:	
72424 CU.YD. EMB. TOTAL	
EXCAVATION:	
107554 CU.YD. COM. EXC.	
285 CU.YD. DIT. EXC.**	
14,280 CU.YD. EMB. BENCHING	
9,301 CU.YD. PROFILE BENCHING	
131,420 CU.YD. TOTAL EXCAVATION	
35,415 CU.YD. EXC. AVAILABLE	
**CARRIED OVER FROM PIPE SUMMARY	

THE EARTHWORK SHOWN ABOVE IS FOR INFORMATION ONLY. ASSUMPTIONS FOR SHRINKAGE AND SWELL FACTORS ARE THE CONTRACTOR'S RESPONSIBILITY.

GENERAL SUMMARY

PIPE SUMMARY

SHEET NO.	STATION	SKEW	COVER HEIGHT	DESIGN pH LEVEL	ENTRANCE PIPE-15 IN	ENTRANCE PIPE-18 IN	CULVERT PIPE-18 IN	CULVERT PIPE-24 IN	STORM SEWER PIPE-18 IN	PIPE CULVERT-18 IN HEADWALL-	PIPE CULVERT-24 IN HEADWALL-	SLOPED BOX OUTLET TYPE 1-18 IN	S&F BOX INLET-OUTLET 18"	S&F BOX INLET-OUTLET 24"	DROP BOX INLET TYPE 3	DROP BOX INLET TYPE 3 MOD	JUNCTION BOX	CHANNEL LINING CLASS II	CHANNEL LINING CLASS III	FABRIC-GEOTEXTILE CLASS 1	SAFELOADING	①	CLEAN PIPE STRUCTURE	ECB	CONCRETE CLASS A ②	DITCH EXCAVATION ⑤	PIPELINE INSPECTION	REMARKS		
	ITEM CODE				440	441	462	464	522	1204	1208	1433	1450	1451	1496	1497	1650	2483	2484	2602	2690	3262	5950	8100		24814EC				
	UNIT TO BID		FT		LF				EACH										TON											
R3	174+06.36	27° SK. LT.	3.0	M					4						1	1							1		1.09		4	EXTEND EXISTING CMP IN LIKE KIND		
R3	174+86	0° SK.		M												1														
R3	177+17.85	2° SK. RT.	9.4	M			62			1									26	15			1	1.09		62	EXTEND EXISTING RCP IN LIKE KIND			
R5	190+24.11	3° SK. RT.	8.1	M				42						2				19		25				1.65		42	EXTEND EXISTING RCP IN LIKE KIND			
R5	192+55.80	8° SK. RT.	7.2	M				26						2				15		25			1	1.62		26	EXTEND EXISTING RCP IN LIKE KIND			
R7	200+24.86	3° SK. LT.	9.5	M			65			1					1			9		25			1			65	EXTEND EXISTING RCP IN LIKE KIND			
R7	204+55	25° SK. LT.	3.2	M				70						2				10		19						70				
R9	211+75.27	0° SK.	4.4	M			47						1		1								1			47	EXTEND EXISTING RCP IN LIKE KIND			
R9	216+83.24	1° 31'43" SK. RT.	7.1	M			54						1										1			54	EXTEND EXISTING RCP IN LIKE KIND			
R9	223+07.93	1° 26'00" SK. RT.	8.4	M			57			1			1					9		15			1	1.09	100	57	EXTEND EXISTING RCP IN LIKE KIND			
R11	228+21.69	0° SK.	5.3	M			37			1			1					9		15			1	1.09		37	EXTEND EXISTING RCP IN LIKE KIND			
R11	234+20.63	0° SK.	2.8	M			27						2					13		20			1	1.08		27	EXTEND EXISTING RCP IN LIKE KIND			
R11	238+80	0° SK.	3.5	M				59						1	1			15		36			12		60	59		SEE RCBC STRUCTURE PLANS		
R15	246+43.70	45° SK. RT.	6.9	M																						55				
R15	257+88.27	1° 46'38" SK. LT.	2.0	M			55					2						13		20								EXTEND EXISTING RCP IN LIKE KIND		
R15	261+60.73	30° SK. LT.	8.3	M			57			2							1	13		16				1.16		57	EXTEND EXISTING RCP IN LIKE KIND			
R17	265+58.97	0° SK.	9.0	M			55			2								9		15						55		EXTEND EXISTING RCP IN LIKE KIND		
R17	274+30	0° SK.	1.6	M			47						2					13		25			8			47				
R17	278+12.39	30° 10'55" SK. RT.	8.2	M			62			2									15	15				1.12		62	EXTEND EXISTING RCP IN LIKE KIND			
R19	279+72.03	30° 41'59" SK. LT.	13.6	M			79			2								9		15				1.09		79	EXTEND EXISTING RCP IN LIKE KIND			
R19	288+52.68	1° SK. LT.	19.3	M			66			1														1.11		66	EXTEND EXISTING RCP IN LIKE KIND			
R21	296+50.91	1° SK. RT.	23.8	M			73			2									18	19				1.11		73	EXTEND EXISTING RCP IN LIKE KIND			
R21	304+40	0° SK.	7.5	M			63			1														1.11		63	EXTEND EXISTING RCP IN LIKE KIND			
R21	308+65.64	32° 15'15" SK. LT.	21.9	M				81			1													1.62		81	EXTEND EXISTING RCP IN LIKE KIND			
R23	314+33.66	29° 41'04" SK. LT.	9.1	M			62			1														1.19		62	EXTEND EXISTING RCP IN LIKE KIND			
R23	318+18.49	1° 58'02" SK. RT.	1.8	M			50					2						13		23						50				
R23	320+91.69	4° 44'13" SK. RT.	6.9	M			43			1			1					10		16			1	1.11		43	EXTEND EXISTING RCP IN LIKE KIND			
R25	327+70.50	0° SK.	9.2	M			93			2								9		15			1	1.11		93	EXTEND EXISTING RCP IN LIKE KIND			
R25	339+50	0° SK.	1.4	M				47						2				13		20						47				
WOOLRIDGE FERRY																														
R7	51+00	30° SK. RT.	3.0	M			59						2													59				
WOODSWAY																														
R21	49+62	5° SK. RT.	5.7	M			70					2						4		9						70				
ENTRANCES																														
TEMPORARY PIPES																														
R51	179+00	0° SK.	2.7	M			51								1											51				
R52	186+50	0° SK.	2.4	M			49								1											49				
R53	205+50	16° SK.RT.	1.7	M			54																			54				
R54	217+00	0° SK.	1.3	M			56																			56				
R57	266+00	0° SK.	4.8	M			61																			61				
R58	279+50	0° SK.	2.9	M			65																			65				
R59	289+50	0° SK.	6.1	M			67																			67				
R59	295+50	0° SK.	4.2	M			62																			62				
R60	309+05	15° SK.RT.	8	M			68																			68				
R60	314+00	0° SK.	1.6	M			58																			58				
R61	330+00	0° SK.	4.8	M			60																			60				
R60	WOODSWAY 49+69	0° SK.	1.1	M			49																			49				
TEMPORARY ENTRANCES																														
PROJECT TOTAL					3038③	424 ③	1983	325	4	20	1	2	15	9	6	2	1	205	59	403	35.8	23	161	20.44	285	2312				

① QUANTITIES ARE ADDED TO GENERAL SUMMARY

② QUANTITIES ARE ADDED TO PAVING SUMMARY

③ SEE PLANS FOR PIPE LOCATIONS

④ TOP PHASE ONLY – NO APRON

⑤ QUANTITIES ARE ADDED TO EARTHWORK TOTALS ON GENERAL SUMMARY

PIPE SUMMARY

PIPE SUMMARY

SHEET NO.	STATION	SKEW	COVER HEIGHT	DESIGN pH LEVEL	ENTRANCE PIPE-15 IN	ENTRANCE PIPE-18 IN	CULVERT PIPE-18 IN	CULVERT PIPE-24 IN	STORM SEWER PIPE-18 IN	PIPE CULVERT-18 IN	PIPE CULVERT-24 IN	SLOPED BOX OUTLET TYPE 1-18 IN	S&F BOX INLET-OUTLET 18"	S&F BOX INLET-OUTLET 24"	DROP BOX INLET TYPE 3	DROP BOX INLET TYPE 3 MOD	JUNCTION BOX	CHANNEL LINING CLASS II	CHANNEL LINING CLASS III	FABRIC-GEOTEXTILE CLASS 1	SAFELOADING	①	CLEAN PIPE STRUCTURE	ECB	CONCRETE CLASS A	⑤	DITCH EXCAVATION	PIPELINE INSPECTION	REMARKS	
ITEM CODE					440	441	462	464	522	1204	1208	1433	1450	1451	1496	1497	1650	2483	2484	2602	2690	3262	5950	8100		24814EC				
UNIT TO BID			FT		LF				EACH												TON				CUYD				LF	
R3	174+06.36	27° SK. LT.	3.0	M					4						1	1							1		1.09		4		EXTEND EXISTING CMP IN LIKE KIND	
R3	174+86	0° SK.		M												1														
R3	177+17.85	2° SK. RT.	9.4	M			62			1								26	15					1.09		62		EXTEND EXISTING RCP IN LIKE KIND		
R5	190+24.11	3° SK. RT.	8.1	M				42						2				19	25					1.65		42		EXTEND EXISTING RCP IN LIKE KIND		
R5	192+55.80	8° SK. RT.	7.2	M				26						2				15	25					1.62		26		EXTEND EXISTING RCP IN LIKE KIND		
R7	200+24.86	3° SK. LT.	9.5	M						1					1			9	25							65		EXTEND EXISTING RCP IN LIKE KIND		
R7	204+55	25° SK. LT.	3.2	M				70						2				10	19							70				
R9	211+75.27	0° SK.	4.4	M									1													47		EXTEND EXISTING RCP IN LIKE KIND		
R9	216+83.24	1° 31'43" SK. RT.	7.1	M									1													54		EXTEND EXISTING RCP IN LIKE KIND		
R9	223+07.93	1° 26'00" SK. RT.	8.4	M						1			1					9	15				60	1.09	100	57		EXTEND EXISTING RCP IN LIKE KIND		
R11	228+21.69	0° SK.	5.3	M						1			1					9	15					1.09		37		EXTEND EXISTING RCP IN LIKE KIND		
R11	234+20.63	0° SK.	2.8	M									2					13	20					1.08		27		EXTEND EXISTING RCP IN LIKE KIND		
R11	238+80	0° SK.	3.5	M				59						1	1			15	36				12		60	59		SEE RCBC STRUCTURE PLANS		
R15	246+43.70	45° SK. RT.	6.9	M																						55				
R15	257+88.27	1° 46'38" SK. LT.	2.0	M									2					13	20							57		EXTEND EXISTING RCP IN LIKE KIND		
R15	261+60.73	30° SK. LT.	8.3	M						2								13	16					1.16		55		EXTEND EXISTING RCP IN LIKE KIND		
R17	265+58.97	0° SK.	9.0	M						2								9	15							47				
R17	274+30	0° SK.	1.6	M														13	25				8							
R17	278+12.39	30° 10'55" SK. RT.	8.2	M						2									15					1.12		62		EXTEND EXISTING RCP IN LIKE KIND		
R19	279+72.03	30° 41'59" SK. LT.	13.6	M						2								9	15					1.09		79		EXTEND EXISTING RCP IN LIKE KIND		
R19	288+52.68	1° SK. LT.	19.3	M						1														1.11		66		EXTEND EXISTING RCP IN LIKE KIND		
R21	296+50.91	1° SK. RT.	23.8	M						2									18	19				1.11		73		EXTEND EXISTING RCP IN LIKE KIND		
R21	304+40	0° SK.	7.5	M						1														1.11		63		EXTEND EXISTING RCP IN LIKE KIND		
R21	308+65.64	32° 15'15" SK. LT.	21.9	M				81			1													1.62		81		EXTEND EXISTING RCP IN LIKE KIND		
R23	314+33.66	29° 41'04" SK. LT.	9.1	M						1														1.19		62		EXTEND EXISTING RCP IN LIKE KIND		
R23	318+18.49	1° 58'02" SK. RT.	1.8	M									2					13	23							50				
R23	320+91.69	4° 44'13" SK. RT.	6.9	M						1			1					10	16					1.11		43		EXTEND EXISTING RCP IN LIKE KIND		
R25	327+70.50	0° SK.	9.2	M						2								9	15					1.11		93		EXTEND EXISTING RCP IN LIKE KIND		
R25	339+50	0° SK.	1.4	M				47						2				13	20							47				
WOOLRIDGE FERRY																														
R7	51+00	30° SK. RT.	3.0	M									2													59				
WOODSWAY																														
R21	49+62	5° SK. RT.	5.7	M														4	9							70				
ENTRANCES																														
TEMPORARY PIPES																														
R51	179+00	0° SK.	2.7	M																						51				
R52	186+50	0° SK.	2.4	M																						49				
R53	205+50	16° SK.RT.	1.7	M																						54				
R54	217+00	0° SK.	1.3	M																						56				
R57	266+00	0° SK.	4.8	M																						61				
R58	279+50	0° SK.	2.9	M																						65				
R59	289+50	0° SK.	6.1	M																						67				
R59	295+50	0° SK.	4.2	M																						62				
R60	309+05	15° SK.RT.	8	M																						68				
R60	314+00	0° SK.	1.6	M																						58				
R61	330+00	0° SK.	4.8	M																						60				
R60	WOODSWAY 49+69	0° SK.	1.1	M																						49				
TEMPORARY ENTRANCES																														
PROJECT TOTAL					3038③	424 ③	1983	325	4	20	1	2	15	9	6	2	1	205	59	403	35.8	23	161	20.44	285	2312				

① QUANTITIES ARE ADDED TO GENERAL SUMMARY

② QUANTITIES ARE ADDED TO PAVING SUMMARY

③ SEE PLANS FOR PIPE LOCATIONS

④ TOP PHASE ONLY – NO APRON

⑤ QUANTITIES ARE ADDED TO EARTHWORK TOTALS ON GENERAL SUMMARY

PIPE SUMMARY

GENERAL NOTES

1. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE STANDARD DRAWINGS, CURRENT EDITIONS.

2. EXCEPT FOR THE ROADWAY AND TRAFFIC CONTROL BID ITEMS LISTED, ALL ITEMS OF WORK NECESSARY TO MAINTAIN AND CONTROL TRAFFIC WILL BE PAID AT THE LUMP SUM BID PRICE TO "MAINTAIN AND CONTROL TRAFFIC" AS SET FORTH IN THE CURRENT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION UNLESS OTHERWISE PROVIDED FOR IN THESE NOTES. THE LUMP SUM BID TO "MAINTAIN AND CONTROL TRAFFIC" SHALL ALSO INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING ITEMS AND OPERATIONS:

A. ALL GRADING AND NECESSARY DRAINAGE (UNLESS A BID ITEM FOR DIVERSION CONSTRUCTION IS INCLUDED) FOR THE TEMPORARY ROADWAY AND REMOVAL THEREOF, WHEN IT IS NO LONGER NEEDED. IF A BID ITEM FOR DIVERSION CONSTRUCTION IS INCLUDED, GRADING AND DRAINAGE WILL BE PAID FOR IN THE BID ITEM "DIVERSIONS".

B. ALL LABOR AND MATERIALS NECESSARY FOR CONSTRUCTION AND MAINTENANCE OF TRAFFIC CONTROL DEVICES AND MARKINGS.

C. ALL FLAGPERSONS AND TRAFFIC CONTROL DEVICES SUCH AS, BUT NOT LIMITED TO, FLASHERS, SIGNS BARRICADES AND VERTICAL PANELS, PLASTIC DRUMS (STEEL DRUMS WILL NOT BE PERMITTED) AND CONES NECESSARY FOR THE CONTROL AND PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC AS SPECIFIED IN THESE NOTES, THE PLANS, THE MUTCD OR THE ENGINEER.

3. ANY TEMPORARY TRAFFIC CONTROL ITEMS, DEVICES, MATERIALS AND INCIDENTALS SHALL REMAIN THE PROPERTY OF THE CONTRACTOR WHEN NO LONGER NEEDED.

4. THE CONTRACTOR SHALL MAINTAIN A TWO-LANE TRAVELED WAY WITH A MINIMUM LANE WIDTH OF 10 FEET ON KY 251 AND KY 434. HOWEVER, DURING WORKING HOURS, ONE-WAY TRAFFIC MAY BE ALLOWED AT THE DISCRETION OF THE ENGINEER, PROVIDED ADEQUATE SIGNING AND A FLAGPERSON ARE AT THE LOCATION. SHORT TERM LANE CLOSURES WILL NOT BE PERMITTED BETWEEN THE HOURS OF 7:00 AM TO 9:00 AM AND BETWEEN 3:00 PM TO 6:00 PM. CONSTRUCTION OPERATIONS USING SHOULDER CLOSURES MAY BE ALLOWED DURING ALL DAYLIGHT HOURS (EXCEPT HOLIDAYS) PROVIDED ANY RESULTING TEMPORARY DROP-OFF CONDITIONS AND SIGNING REQUIREMENTS ARE ADEQUATELY ADDRESSED. SHORT TERM LANE CLOSURES WITH A TEMPORARY SIGNAL IS ALLOWED FOR THE CONSTRUCTION OF THE RCBC STA. 246+43.70 CELLULAR CONCRETE FILL. SEE STRUCTURE SHEET S2 FOR LIMITS OF THE CELLULAR FILL. THESE SHORT TERM LANE CLOSURES FOR THE RCBC STA. 246+43.70 CELLULAR FILL SHALL BE LIMITED TO 3 CALENDAR WEEKS OF ONE LANE CLOSURE IN TOTAL.

5. THE CONTRACTOR SHALL COMPLETELY COVER ANY SIGNS, EITHER EXISTING, PERMANENT OR TEMPORARY, WHICH DO NOT PROPERLY APPLY TO THE CURRENT TRAFFIC PHASING, AND SHALL MAINTAIN THE COVERING UNTIL THE SIGNS ARE APPLICABLE OR ARE REMOVED.

6. IN GENERAL, ALL TRAFFIC CONTROL DEVICES SHALL BE PLACED STARTING AND PROCEEDING IN THE DIRECTION OF THE FLOW OF TRAFFIC AND REMOVED STARTING AND PROCEEDING IN THE DIRECTION OPPOSITE THE FLOW OF TRAFFIC.

7. THE ENGINEER AND THE CONTRACTOR, OR THEIR AUTHORIZED REPRESENTATIVES, SHALL REVIEW THE SIGNING BEFORE TRAFFIC IS ALLOWED TO USE ANY LANE CLOSURES, CROSSEOVERS OR DIVERSIONS. ALL SIGNING SHALL BE APPROVED BY THE ENGINEER BEFORE WORK CAN BE STARTED BY THE CONTRACTOR.

8. IF THE CONTRACTOR DESIRES TO DEVIATE FROM THE TRAFFIC CONTROL SCHEME AND CONSTRUCTION SCHEDULE OUTLINED IN THESE PLANS AND THIS PROPOSAL, HE SHALL PREPARE AN ALTERNATE PLAN AND PRESENT IT IN WRITING TO THE ENGINEER. THIS ALTERNATE PLAN CAN BE USED ONLY AFTER REVIEW AND APPROVAL OF THE DIVISIONS OF TRAFFIC, DESIGN AND CONSTRUCTION, AND THE FEDERAL HIGHWAY ADMINISTRATION, WHERE APPLICABLE.

9. IF TRAFFIC SHOULD BE STOPPED DUE TO CONSTRUCTION OPERATIONS AND AN EMERGENCY VEHICLE ON AN OFFICIAL EMERGENCY RUN ARRIVES AT THE SCENE, THE CONTRACTOR SHALL MAKE THE PROVISIONS FOR THE PASSAGE OF THAT VEHICLE AS QUICKLY AS POSSIBLE.

10. ALL SIGNS NECESSARY FOR A MARKED DIVERSION WILL BE PROVIDED BY THE CONTRACTOR AS REQUIRED BY STANDARD DRAWINGS AND THE MUTCD. SIGNS OUTSIDE THE PROJECT LIMITS SHALL BE PAID FOR BY THE SQUARE FOOT. THIS QUANTITY SHALL INCLUDE SIGN MOUNTING HARDWARE AND POSTS.

11. GENERAL: ALL TEMPORARY MOT DEVICES SHALL COMPLY WITH THE NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM (NCHRP) 350 HARDWARE REPORT.
- The diagram illustrates a cross-section of a road shoulder. A dashed line indicates the original ground surface. A solid line shows the proposed 3:1 slope. A concrete slope barrier (CSB) is shown installed at the edge of the slope. The area between the original ground and the CSB is labeled 'WEDGES'. The CSB is labeled 'CSB'.
- PAVEMENT DROP-OFF DETAIL
- FOR MAINTENANCE OF
TRAFFIC ONLY
- MAINTENANCE OF TRAFFIC NOTES
- MAINTENANCE OF TRAFFIC SCHEME
- TWO DIVERSIONS WILL BE REQUIRED FOR CONSTRUCTING KY 251. SEE THE KY 251 DIVERSION #1 TRAFFIC CONTROL SHEETS AND THE KY 251 X-SECTIONS FOR MORE DETAILS ON THE DIVERSION #1. FOR DIVERSION (CULVERT STA. 246+43.70) SEE STRUCTURE PLANS AND SPECIAL NOTE FOR CELLULAR CONCRETE FILL FOR MORE DETAILS. TEMPORARY WIDENING AND DIVERSION WITH TEMPORARY SIGNAL WILL BE REQUIRED FOR CONSTRUCTING CELLULAR CONCRETE FILL FOR THE CULVERT AT 246+43.70. SEE STRUCTURE PLANS FOR LIMITS OF CELLULAR FILL.
- THE CONTRACTOR SHALL PROVIDE FOR THE SAFE AND ORDERLY FLOW OF TRAFFIC. ACCESS TO ADJOINING PROPERTY SHALL BE MAINTAINED AS SHOWN ON THE PLANS.
- SEE PIPE SHEETS FOR PIPE CONSTRUCTION PHASING.
- BATES RD., GRAND HILL PL., WEST BRYAN RD., EAST BRYAN RD., FIVE OAKS DR., WOODSWAY DR., THICKET DR.
- CONSTRUCTION OF THESE APPROACHES CAN BE COMPLETED WHILE TRAFFIC IS USING THE EXISTING ROADWAY. THE CONSTRUCTION CAN BE ACCOMPLISHED BY PART-WIDTH CONSTRUCTION WITH LANE CLOSURES UTILIZING FLAGGERS.
- WOOLDRIDGE FERRY RD.
- THE CONSTRUCTION OF THIS APPROACH WILL BE ACCOMPLISHED BY A ROAD CLOSURE. SEE DETOUR SHEET FOR DETOUR ROUTE AND SIGNING SCHEMATIC. THE CONTRACTOR SHALL PERFORM THE CONSTRUCTION OF THIS APPROACH IN A WAY TO MINIMIZE THE TIME OF THE ROAD CLOSURE. APPROXIMATELY TWO WEEKS PRIOR TO A ROAD CLOSURE THE CONTRACTOR SHALL NOTIFY THE PUBLIC AND LOCAL AUTHORITIES OF THE ROAD CLOSURE.
- SHEET R26A - ENTRANCE CONSTRUCTION
- COMPLETE ALL ENTRANCE WORK NEAR THE KY 251/KY 434 INTERSECTION SHOWN ON SHEET R26A BY JUNE 1, 2026
- PAVEMENT DROP-OFF
- A PAVEMENT EDGE THAT TRAFFIC IS NOT EXPECTED TO CROSS, EXCEPT ACCIDENTALLY, SHOULD BE TREATED AS FOLLOWS:
- LESS THAN TWO INCHES - NO PROTECTION REQUIRED. WARNING SIGNS SHOULD BE PLACED IN ADVANCE AND THROUGHOUT THE DROP-OFF AREA.
 - TWO TO FOUR INCHES - PLASTIC DRUMS, VERTICAL PANELS OR BARRICADES EVERY 100 FEET ON TANGENT SECTIONS FOR SPEEDS OF 50 MPH OR GREATER. CONES MAY BE USED IN PLACE OF PLASTIC DRUMS, PANELS AND BARRICADES DURING DAYLIGHT HOURS. FOR TANGENT SECTIONS WITH SPEEDS LESS THAN 50 MPH AND FOR CURVES, DEVICES SHOULD BE PLACED EVERY 50 FEET. SPACING OF DEVICES ON TAPERED SECTIONS SHOULD BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION.
 - GREATER THAN FOUR INCHES - POSITIVE SEPARATION OR WEDGE WITH 3:1 OR FLATTER SLOPE NEEDED. IF THERE IS FIVE FEET OR MORE DISTANCE BETWEEN THE EDGE OF THE PAVEMENT AND THE DROP-OFF, THEN DRUMS, PANEL, OR BARRICADES MAY BE USED. IF THE DROP-OFF IS GREATER THAN 12 INCHES, POSITIVE SEPARATION IS STRONGLY ENCOURAGED. IF CONCRETE BARRIERS ARE USED, SPECIAL REFLECTIVE DEVICES OR STEADY BURN LIGHTS SHOULD BE USED FOR OVERNIGHT INSTALLATIONS.
- FOR TEMPORARY CONDITIONS, DROP-OFFS GREATER THAN FOUR INCHES MAY BE PROTECTED WITH PLASTIC DRUMS, VERTICAL PANELS OR BARRICADES FOR SHORT DISTANCES DURING DAYLIGHT HOURS WHILE WORK IS BEING DONE IN THE DROP-OFF AREA.
- LESSER TREATMENTS THAN THOSE DESCRIBED ABOVE MAY BE CONSIDERED FOR LOW-VOLUME LOCAL STREETS.
- PAYMENT WILL BE ALLOWED FOR CSB MATERIAL USED FOR WEDGING.
- MAINLINE PHASING NOTES:
- PHASE I:
- WHILE TRAFFIC IS MAINTAINED ON THE EXISTING ROADWAY THE FOLLOWING SHOULD BE CONSTRUCTED: FROM STA. 179+00 TO STA. 186+60 AND STA. 204+50 TO STA. 218+00 AND STA. 266+00 TO STA. 321+50
- CONSTRUCT MAINLINE THROUGH THE TOP BASE COURSE TO A MINIMUM WIDTH OF 24' TO PROVIDE TWO 10' LANES WITH 2' SHOULDERS. TEMPORARY SLOPES SHALL BE USED AS SHOWN ON THE X-SECTIONS.
- FROM STA. 323+50 TO STA. 332+50
- CONSTRUCT DIVERSION NO. 1. TIE INS TO THE EXISTING ROADWAY SHOULD BE CONSTRUCTED USING PART WIDTH CONSTRUCTION AND FLAGGERS.
- CONSTRUCT RCBC EXTENSIONS LT./RT. AT STA. 246+43.70. CONSTRUCT TEMPORARY PAVEMENT WIDENING FOR CELLULAR CONCRETE FILL CONSTRUCTION AT THE CULVERT 246+43.70 TO A MINIMUM WIDTH THAT PROVIDES ONE 10' LANE AND 2' SHOULDERS. TEMPORARY WIDENING MAY BE CONSTRUCTED ON EITHER THE LEFT OR RIGHT SIDE OF CENTERLINE. MAXIMUM TEMPORARY FORESLOPE OF 3:1 WILL BE ALLOWED. TEMPORARY PAVEMENT WIDENING FOR THE CULVERT AT 246+43.70 SHALL BE BID INCIDENTAL TO THE BID ITEM DIVERSIONS (CULVERT 246+43.70)
- PHASE II:
- WHILE TRAFFIC IS MAINTAINED ON EXISTING PAVEMENT, WOOLDRIDGE FERRY RD. DETOUR, AND DIVERSION NO. 1, THE FOLLOWING SHOULD BE CONSTRUCTED: FROM STA. 262+00 TO STA. 266+00 AND STA. 324+75 TO STA. 330+25
- FOR THE DIVERSION (CULVERT STA. 246+43.70) STRIPE FOR ONE WAY TRAFFIC WITH TEMPORARY SIGNAL. TEMPORARY STRIPING, STOP BARS, SIGNS, AND TEMPORARY SIGNAL SHALL BE BID INCIDENTAL TO THE BID ITEM DIVERSIONS (CULVERT 246+43.70). USING A LANE CLOSURE, CONSTRUCT CELLULAR CONCRETE FILL AND PAVEMENT THRU TOP BASE COURSE TO A MINIMUM WIDTH THAT PROVIDES ONE 10' LANE AND 2' SHOULDERS IN PHASE III. MAXIMUM TEMPORARY FORESLOPE OF 3:1 WILL BE ALLOWED.
- CONSTRUCT MAINLINE THROUGH THE TOP BASE COURSE TO A MINIMUM WIDTH THAT PROVIDES TWO 10' LANES AND 2' SHOULDERS. TEMPORARY SLOPES SHALL BE USED AS SHOWN IN THE X-SECTIONS.
- FROM STA. 173+00 TO STA. 179+00 AND STA. 186+60 TO STA. 204+50 AND STA. 218+00 TO STA. 262+00 AND STA. 321+50 TO STA. 324+75 AND STA. 330+25 TO STA. 341+00
- OVERLAY AND WIDEN EXISTING PAVEMENT THROUGH THE TOP BASE COURSE USING PART WIDTH CONSTRUCTION UNDER TRAFFIC USING FLAGGERS.
- CONSTRUCT WOOLDRIDGE FERRY ROAD
- PHASE III:
- REMOVE DIVERSION #1.
- WHILE TRAFFIC IS MAINTAINED ON THE NEWLY CONSTRUCTED ROADWAY AS DESCRIBED IN PHASE I AND PHASE II, CONSTRUCTION CAN BEGIN ON THE FOLLOWING:
- COMPLETE MAINLINE CONSTRUCTION THROUGH THE TOP BASE COURSE. COMPLETE REMAINING DITCHES AND SLOPES.
- FOR THE DIVERSION (CULVERT STA. 246+43.70) SHIFT TRAFFIC TO PREVIOUSLY COMPLETED ONE LANE DIVERSION USING A TEMPORARY SIGNAL. REMOVE PHASE I TEMPORARY WIDENING AND COMPLETE CONSTRUCTION OF REMAINING CELLULAR CONCRETE FILL. TEMPORARY STRIPING, STOP BARS, SIGNS, TEMPORARY PIPE OR DRAINAGE STRUCTURES, AND ALL OTHER ITEMS OF WORK NEEDED FOR MAINTAINING TRAFFIC FOR THE COMPLETION OF THE CELLULAR CONCRETE FILL CONSTRUCTION ARE TO BE BID INCIDENTAL TO THE BID ITEM DIVERSIONS (CULVERT 246+43.70).
- PHASE IV:
- WHILE TRAFFIC IS MAINTAINED ON THE NEWLY CONSTRUCTED ROADWAY, CONSTRUCTION CAN BEGIN ON THE FOLLOWING:
- CONSTRUCT FINAL SURFACE AND PERMANENT STRIPING UNDER TRAFFIC USING PART WIDTH CONSTRUCTION AND FLAGGERS.
- MAINTENANCE OF TRAFFIC NOTES

GENERAL NOTES

1. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE STANDARD DRAWINGS, CURRENT EDITIONS.

2. EXCEPT FOR THE ROADWAY AND TRAFFIC CONTROL BID ITEMS LISTED, ALL ITEMS OF WORK NECESSARY TO MAINTAIN AND CONTROL TRAFFIC WILL BE PAID AT THE LUMP SUM BID PRICE TO "MAINTAIN AND CONTROL TRAFFIC" AS SET FORTH IN THE CURRENT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION UNLESS OTHERWISE PROVIDED FOR IN THESE NOTES. THE LUMP SUM BID TO "MAINTAIN AND CONTROL TRAFFIC" SHALL ALSO INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING ITEMS AND OPERATIONS:

A. ALL GRADING AND NECESSARY DRAINAGE (UNLESS A BID ITEM FOR DIVERSION CONSTRUCTION IS INCLUDED) FOR THE TEMPORARY ROADWAY AND REMOVAL THEREOF, WHEN IT IS NO LONGER NEEDED. IF A BID ITEM FOR DIVERSION CONSTRUCTION IS INCLUDED, GRADING AND DRAINAGE WILL BE PAID FOR IN THE BID ITEM "DIVERSIONS".

B. ALL LABOR AND MATERIALS NECESSARY FOR CONSTRUCTION AND MAINTENANCE OF TRAFFIC CONTROL DEVICES AND MARKINGS.

C. ALL FLAGPERSONS AND TRAFFIC CONTROL DEVICES SUCH AS, BUT NOT LIMITED TO, FLASHERS, SIGNS BARRICADES AND VERTICAL PANELS, PLASTIC DRUMS (STEEL DRUMS WILL NOT BE PERMITTED) AND CONES NECESSARY FOR THE CONTROL AND PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC AS SPECIFIED IN THESE NOTES, THE PLANS, THE MUTCD OR THE ENGINEER.

3. ANY TEMPORARY TRAFFIC CONTROL ITEMS, DEVICES, MATERIALS AND INCIDENTALS SHALL REMAIN THE PROPERTY OF THE CONTRACTOR WHEN NO LONGER NEEDED.

4. THE CONTRACTOR SHALL MAINTAIN A TWO-LANE TRAVELED WAY WITH A MINIMUM LANE WIDTH OF 10 FEET ON KY 251 AND KY 434. HOWEVER, DURING WORKING HOURS, ONE-WAY TRAFFIC MAY BE ALLOWED AT THE DISCRETION OF THE ENGINEER, PROVIDED ADEQUATE SIGNING AND A FLAGPERSON ARE AT THE LOCATION. SHORT TERM LANE CLOSURES WILL NOT BE PERMITTED BETWEEN THE HOURS OF 7:00 AM TO 9:00 AM AND BETWEEN 3:00 PM TO 6:00 PM. CONSTRUCTION OPERATIONS USING SHOULDER CLOSURES MAY BE ALLOWED DURING ALL DAYLIGHT HOURS EXCEPT HOLIDAYS PROVIDED ANY RESULTING TEMPORARY DROP-OFF CONDITIONS AND SIGNING REQUIREMENTS ARE ADEQUATELY ADDRESSED. SHORT TERM LANE CLOSURES WITH A TEMPORARY SIGNAL IS ALLOWED FOR THE CONSTRUCTION OF THE RCBC STA. 246+43.70 CELLULAR CONCRETE FILL. SEE STRUCTURE SHEET S2 FOR LIMITS OF THE CELLULAR FILL. THESE SHORT TERM LANE CLOSURES FOR THE RCBC STA. 246+43.70 CELLULAR FILL SHALL BE LIMITED TO 3 CALENDAR WEEKS OF ONE LANE CLOSURE IN TOTAL.

5. THE CONTRACTOR SHALL COMPLETELY COVER ANY SIGNS, EITHER EXISTING, PERMANENT OR TEMPORARY, WHICH DO NOT PROPERLY APPLY TO THE CURRENT TRAFFIC PHASING, AND SHALL MAINTAIN THE COVERING UNTIL THE SIGNS ARE APPLICABLE OR ARE REMOVED.

6. IN GENERAL, ALL TRAFFIC CONTROL DEVICES SHALL BE PLACED STARTING AND PROCEEDING IN THE DIRECTION OF THE FLOW OF TRAFFIC AND REMOVED STARTING AND PROCEEDING IN THE DIRECTION OPPOSITE THE FLOW OF TRAFFIC.

7. THE ENGINEER AND THE CONTRACTOR, OR THEIR AUTHORIZED REPRESENTATIVES, SHALL REVIEW THE SIGNING BEFORE TRAFFIC IS ALLOWED TO USE ANY LANE CLOSURES, CROSSEOVERS OR DIVERSIONS. ALL SIGNING SHALL BE APPROVED BY THE ENGINEER BEFORE WORK CAN BE STARTED BY THE CONTRACTOR.

8. IF THE CONTRACTOR DESIRES TO DEVIATE FROM THE TRAFFIC CONTROL SCHEME AND CONSTRUCTION SCHEDULE OUTLINED IN THESE PLANS AND THIS PROPOSAL, HE SHALL PREPARE AN ALTERNATE PLAN AND PRESENT IT IN WRITING TO THE ENGINEER. THIS ALTERNATE PLAN CAN BE USED ONLY AFTER REVIEW AND APPROVAL OF THE DIVISIONS OF TRAFFIC, DESIGN AND CONSTRUCTION, AND THE FEDERAL HIGHWAY ADMINISTRATION, WHERE APPLICABLE.

9. IF TRAFFIC SHOULD BE STOPPED DUE TO CONSTRUCTION OPERATIONS AND AN EMERGENCY VEHICLE ON AN OFFICIAL EMERGENCY RUN ARRIVES AT THE SCENE, THE CONTRACTOR SHALL MAKE THE PROVISIONS FOR THE PASSAGE OF THAT VEHICLE AS QUICKLY AS POSSIBLE.

10. ALL SIGNS NECESSARY FOR A MARKED DIVERSION WILL BE PROVIDED BY THE CONTRACTOR AS REQUIRED BY STANDARD DRAWINGS AND THE MUTCD. SIGNS OUTSIDE THE PROJECT LIMITS SHALL BE PAID FOR BY THE SQUARE FOOT. THIS QUANTITY SHALL INCLUDE SIGN MOUNTING HARDWARE AND POSTS.

11. GENERAL: ALL TEMPORARY MOT DEVICES SHALL COMPLY WITH THE NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM (NCHRP) 350 HARDWARE REPORT.
-
- PAVEMENT DROP-OFF DETAIL
- FOR MAINTENANCE OF TRAFFIC ONLY
- MAINTENANCE OF TRAFFIC NOTES
- MAINTENANCE OF TRAFFIC SCHEME
- TWO DIVERSIONS WILL BE REQUIRED FOR CONSTRUCTING KY 251. SEE THE KY 251 DIVERSION #1 TRAFFIC CONTROL SHEETS AND THE KY 251 X-SECTIONS FOR MORE DETAILS ON THE DIVERSION #1. FOR DIVERSION (CULVERT STA. 246+43.70) SEE STRUCTURE PLANS AND SPECIAL NOTE FOR CELLULAR CONCRETE FILL FOR MORE DETAILS. TEMPORARY WIDENING AND DIVERSION WITH TEMPORARY SIGNAL WILL BE REQUIRED FOR CONSTRUCTING CELLULAR CONCRETE FILL FOR THE CULVERT AT 246+43.70. SEE STRUCTURE PLANS FOR LIMITS OF CELLULAR FILL.
- THE CONTRACTOR SHALL PROVIDE FOR THE SAFE AND ORDERLY FLOW OF TRAFFIC. ACCESS TO ADJOINING PROPERTY SHALL BE MAINTAINED AS SHOWN ON THE PLANS.
- SEE PIPE SHEETS FOR PIPE CONSTRUCTION PHASING.
- BATES RD., GRAND HILL PL., WEST BRYAN RD., EAST BRYAN RD., FIVE OAKS DR., WOODSWAY DR., THICKET DR.
- CONSTRUCTION OF THESE APPROACHES CAN BE COMPLETED WHILE TRAFFIC IS USING THE EXISTING ROADWAY. THE CONSTRUCTION CAN BE ACCOMPLISHED BY PART-WIDTH CONSTRUCTION WITH LANE CLOSURES UTILIZING FLAGGERS.
- WOOLDRIDGE FERRY RD.
- THE CONSTRUCTION OF THIS APPROACH WILL BE ACCOMPLISHED BY A ROAD CLOSURE. SEE DETOUR SHEET FOR DETOUR ROUTE AND SIGNING SCHEMATIC. THE CONTRACTOR SHALL PERFORM THE CONSTRUCTION OF THIS APPROACH IN A WAY TO MINIMIZE THE TIME OF THE ROAD CLOSURE. APPROXIMATELY TWO WEEKS PRIOR TO A ROAD CLOSURE THE CONTRACTOR SHALL NOTIFY THE PUBLIC AND LOCAL AUTHORITIES OF THE ROAD CLOSURE.
- SHEET R26A - ENTRANCE CONSTRUCTION
- COMPLETE ALL ENTRANCE WORK NEAR THE KY 251/KY 434 INTERSECTION SHOWN ON SHEET R26A BY JUNE 1, 2026
- PAVEMENT DROP-OFF
- A PAVEMENT EDGE THAT TRAFFIC IS NOT EXPECTED TO CROSS, EXCEPT ACCIDENTALLY, SHOULD BE TREATED AS FOLLOWS:
- LESS THAN TWO INCHES - NO PROTECTION REQUIRED. WARNING SIGNS SHOULD BE PLACED IN ADVANCE AND THROUGHOUT THE DROP-OFF AREA.
 - TWO TO FOUR INCHES - PLASTIC DRUMS, VERTICAL PANELS OR BARRICADES EVERY 100 FEET ON TANGENT SECTIONS FOR SPEEDS OF 50 MPH OR GREATER. CONES MAY BE USED IN PLACE OF PLASTIC DRUMS, PANELS AND BARRICADES DURING DAYLIGHT HOURS. FOR TANGENT SECTIONS WITH SPEEDS LESS THAN 50 MPH AND FOR CURVES, DEVICES SHOULD BE PLACED EVERY 50 FEET. SPACING OF DEVICES ON TAPERED SECTIONS SHOULD BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION.
 - GREATER THAN FOUR INCHES - POSITIVE SEPARATION OR WEDGE WITH 3:1 OR FLATTER SLOPE NEEDED. IF THERE IS FIVE FEET OR MORE DISTANCE BETWEEN THE EDGE OF THE PAVEMENT AND THE DROP-OFF, THEN DRUMS, PANEL, OR BARRICADES MAY BE USED. IF THE DROP-OFF IS GREATER THAN 12 INCHES, POSITIVE SEPARATION IS STRONGLY ENCOURAGED. IF CONCRETE BARRIERS ARE USED, SPECIAL REFLECTIVE DEVICES OR STEADY BURN LIGHTS SHOULD BE USED FOR OVERNIGHT INSTALLATIONS.
- FOR TEMPORARY CONDITIONS, DROP-OFFS GREATER THAN FOUR INCHES MAY BE PROTECTED WITH PLASTIC DRUMS, VERTICAL PANELS OR BARRICADES FOR SHORT DISTANCES DURING DAYLIGHT HOURS WHILE WORK IS BEING DONE IN THE DROP-OFF AREA.
- LESSER TREATMENTS THAN THOSE DESCRIBED ABOVE MAY BE CONSIDERED FOR LOW-VOLUME LOCAL STREETS.
- PAYMENT WILL BE ALLOWED FOR CSB MATERIAL USED FOR WEDGING.
- MAINLINE PHASING NOTES:
- PHASE I:
- WHILE TRAFFIC IS MAINTAINED ON THE EXISTING ROADWAY THE FOLLOWING SHOULD BE CONSTRUCTED: FROM STA. 179+00 TO STA. 186+60 AND STA. 204+50 TO STA. 218+00 AND STA. 266+00 TO STA. 321+50
- CONSTRUCT MAINLINE THROUGH THE TOP BASE COURSE TO A MINIMUM WIDTH OF 24' TO PROVIDE TWO 10' LANES WITH 2' SHOULDERS. TEMPORARY SLOPES SHALL BE USED AS SHOWN ON THE X-SECTIONS.
- FROM STA. 323+50 TO STA. 332+50
- CONSTRUCT DIVERSION NO. 1. TIE INS TO THE EXISTING ROADWAY SHOULD BE CONSTRUCTED USING PART WIDTH CONSTRUCTION AND FLAGGERS.
- CONSTRUCT RCBC EXTENSIONS LT./RT. AT STA. 246+43.70. CONSTRUCT TEMPORARY PAVEMENT WIDENING FOR CELLULAR CONCRETE FILL CONSTRUCTION AT THE CULVERT 246+43.70 TO A MINIMUM WIDTH THAT PROVIDES ONE 10' LANE AND 2' SHOULDERS. TEMPORARY WIDENING MAY BE CONSTRUCTED ON EITHER THE LEFT OR RIGHT SIDE OF CENTERLINE. MAXIMUM TEMPORARY FORESLOPE OF 3:1 WILL BE ALLOWED. TEMPORARY PAVEMENT WIDENING FOR THE CULVERT AT 246+43.70 SHALL BE BID INCIDENTAL TO THE BID ITEM DIVERSIONS (CULVERT 246+43.70)
- PHASE II:
- WHILE TRAFFIC IS MAINTAINED ON EXISTING PAVEMENT, WOOLDRIDGE FERRY RD. DETOUR, AND DIVERSION NO. 1, THE FOLLOWING SHOULD BE CONSTRUCTED: FROM STA. 262+00 TO STA. 266+00 AND STA. 324+75 TO STA. 330+25
- FOR THE DIVERSION (CULVERT STA. 246+43.70) STRIPE FOR ONE WAY TRAFFIC WITH TEMPORARY SIGNAL. TEMPORARY STRIPING, STOP BARS, SIGNS, AND TEMPORARY SIGNAL SHALL BE BID INCIDENTAL TO THE BID ITEM DIVERSIONS (CULVERT 246+43.70). USING A LANE CLOSURE, CONSTRUCT CELLULAR CONCRETE FILL AND PAVEMENT THRU TOP BASE COURSE TO A MINIMUM WIDTH THAT PROVIDES ONE 10' LANE AND 2' SHOULDERS IN PHASE III. MAXIMUM TEMPORARY FORESLOPE OF 3:1 WILL BE ALLOWED.
- CONSTRUCT MAINLINE THROUGH THE TOP BASE COURSE TO A MINIMUM WIDTH THAT PROVIDES TWO 10' LANES AND 2' SHOULDERS. TEMPORARY SLOPES SHALL BE USED AS SHOWN IN THE X-SECTIONS.
- FROM STA. 173+00 TO STA. 179+00 AND STA. 186+60 TO STA. 204+50 AND STA. 218+00 TO STA. 262+00 AND STA. 321+50 TO STA. 324+75 AND STA. 330+25 TO STA. 341+00
- OVERLAY AND WIDEN EXISTING PAVEMENT THROUGH THE TOP BASE COURSE USING PART WIDTH CONSTRUCTION UNDER TRAFFIC USING FLAGGERS.
- CONSTRUCT WOOLDRIDGE FERRY ROAD
- PHASE III:
- REMOVE DIVERSION #1.
- WHILE TRAFFIC IS MAINTAINED ON THE NEWLY CONSTRUCTED ROADWAY AS DESCRIBED IN PHASE I AND PHASE II, CONSTRUCTION CAN BEGIN ON THE FOLLOWING:
- COMPLETE MAINLINE CONSTRUCTION THROUGH THE TOP BASE COURSE. COMPLETE REMAINING DITCHES AND SLOPES.
- FOR THE DIVERSION (CULVERT STA. 246+43.70) SHIFT TRAFFIC TO PREVIOUSLY COMPLETED ONE LANE DIVERSION USING A TEMPORARY SIGNAL. REMOVE PHASE I TEMPORARY WIDENING AND COMPLETE CONSTRUCTION OF REMAINING CELLULAR CONCRETE FILL. TEMPORARY STRIPING, STOP BARS, SIGNS, TEMPORARY PIPE OR DRAINAGE STRUCTURES, AND ALL OTHER ITEMS OF WORK NEEDED FOR MAINTAINING TRAFFIC FOR THE COMPLETION OF THE CELLULAR CONCRETE FILL CONSTRUCTION ARE TO BE BID INCIDENTAL TO THE BID ITEM DIVERSIONS (CULVERT 246+43.70).
- PHASE IV:
- WHILE TRAFFIC IS MAINTAINED ON THE NEWLY CONSTRUCTED ROADWAY, CONSTRUCTION CAN BEGIN ON THE FOLLOWING:
- CONSTRUCT FINAL SURFACE AND PERMANENT STRIPING UNDER TRAFFIC USING PART WIDTH CONSTRUCTION AND FLAGGERS.
- MAINTENANCE OF TRAFFIC NOTES

PIPE DRAINAGE SHEET 17 OF 23

STORM SEWER PIPE										CULVERT PIPE				PH LEVEL	MAX COVER	18" PIPE CULVERT HDWL	24" PIPE CULVERT HDWL	18" S&F BOX INOUT	24" S&F BOX INOUT	DBI TYPE 3	SAFELOADING	CHANNEL LINING CL II	SQYD	CONCRETE CLASS A	DITCH EXCAVATION
15"	18"	24"	L	I	N	E	A	R	F	E	E	T	FT.												

-	-	-	-	-	-	-	-	-	-	-	-	49	-	M	2.4	-	-	-	1	-	3.2	-	-	-	-
---	---	---	---	---	---	---	---	---	---	---	---	----	---	---	-----	---	---	---	---	---	-----	---	---	---	---

890	880	870	-150	-140	-130	-120	-110	-100	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150																																			
CONST. 49 L.F. - 18" PIPE @ 0° SK.																																	186+50																																			
FLOOD DATA																																																																				
PHASE I: CONST. 49 L.F. TEMP. PIPE, TEMP. DBI AND TEMP. SLOPES																																																																				
PHASE II: REMOVE TEMP. DBI, 6 L.F. TEMP. PIPE RT. C, SAFELOAD REMAINDER OF PIPE (3.2 CUYD)																																																																				
T.G. 883.92 INV. 880.78																																																																				
S=0.0100 ft./ft.																																																																				
O.E. 880.29																																																																				
3:1 TEMP. SLOPE																																																																				
4:1																																																																				
EX. R/W																																																																				
PROP. R/W																																																																				
REMOVE AND SAFELOAD REMAINDER																																																																				
6																																																																				
4:1																																																																				
890																																																																				
880																																																																				
870																																																																				
880																																																																				
870																																																																				
860																																																																				
850																																																																				
-150																																																																				
-140																																																																				
-130																																																																				
-120																																																																				
-110																																																																				
-100																																																																				
-90																																																																				
-80																																																																				
-70																																																																				
-60																																																																				
-50																																																																				
-40																																																																				
-30																																																																				
-20																																																																				
-10																																																																				
0																																																																				
10																																																																				
20																																																																				
30																																																																				
40																																																																				
50																																																																				
60																																																																				
70																																																																				
80																																																																				
90																																																																				
100																																																																				
110																																																																				
120																																																																				
130																																																																				
140																																																																				
150																																																																				
186+50																																																																				
CONST. 51 L.F. - 18" PIPE @ 0° SK.																																																																				
179+00																																																																				
FLOOD DATA																																																																				
PHASE I: CONST. 51 L.F. TEMP. PIPE, TEMP. DBI AND TEMP. SLOPES																																																																				
PHASE II: REMOVE TEMP. DBI, 6 L.F. TEMP. PIPE RT. C, SAFELOAD REMAINDER OF PIPE (3.1 CUYD)																																																																				
T.G. 872.27 INV. 869.14																																																																				
S=0.0100 ft./ft.																																																																				
O.E. 868.62																																																																				
3:1 TEMP. SLOPE																																																																				
4:1																																																																				
EX. R/W																																																																				
PROP. R/W																																																																				
REMOVE AND SAFELOAD REMAINDER																																																																				
6																																																																				
4:1																																																																				
880																																																																				
870																																																																				
860																																																																				
850																																																																				
-150																																																																				
-140																																																																				
-130																																																																				
-120																																																																				
-110																																																																				
-100																																																																				
-90																																																																				
-80																																																																				
-70																																																																				
-60																																																																				
-50																																																																				
-40																																																																				
-30																																																																				
-20																																																																				
-10																																																																				
0																																																																				
10																																																																				
20																																																																				
30																																																																				
40																																																																				
50																																																																				
60																																																																				
70																																																																				
80																																																																				
90																																																																				
100																																																																				
110																																																																				
120																																																																				
130																																																																				
140																																																																				
150																																																																				
179+00																																																																				
CONST. 51 L.F. - 18" PIPE @ 0° SK.																																																																				
SCALE: 1"=10'																																																																				
TEMP. PIPE SHEET KY 251 STA. 179+00 TO STA. 186+50																																																																				