



Matthew G. Bevin
Governor

**COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET**
Frankfort, Kentucky 40622
www.transportation.ky.gov/

Greg Thomas
Secretary

March 14, 2018

CALL NO. 101
CONTRACT ID NO. 181208
ADDENDUM # 1

Subject: RUSSELL COUNTY, NHPP 0802 (010)
Letting March 23, 2018

- (1) Revised - Proposal Bid Items - Pages 122-125 of 125
- (2) Revised - Plans- Pages R1 and R2E

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: 3-4-18

181208

Page 1 of 4

Report Date 3/14/18

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	31,778.00	TON		\$	
0020	00100		ASPHALT SEAL AGGREGATE	280.00	TON		\$	
0030	00103		ASPHALT SEAL COAT	36.00	TON		\$	
0040	00190		LEVELING & WEDGING PG64-22	72.00	TON		\$	
0050	00212		CL2 ASPH BASE 1.00D PG64-22	4,399.00	TON		\$	
0060	00214		CL3 ASPH BASE 1.00D PG64-22	12,665.00	TON		\$	
0070	00221		CL2 ASPH BASE 0.75D PG64-22	1,549.00	TON		\$	
0080	00301		CL2 ASPH SURF 0.38D PG64-22	1,408.00	TON		\$	
0090	00356		ASPHALT MATERIAL FOR TACK	43.00	TON		\$	
0100	00388		CL3 ASPH SURF 0.38B PG64-22	2,624.00	TON		\$	
0110	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0120	02677		ASPHALT PAVE MILLING & TEXTURING	646.00	TON		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0130	00078		CRUSHED AGGREGATE SIZE NO 2	2,100.00	TON		\$	
0140	01000		PERFORATED PIPE-4 IN	2,070.00	LF		\$	
0150	01010		NON-PERFORATED PIPE-4 IN	400.00	LF		\$	
0160	01020		PERF PIPE HEADWALL TY 1-4 IN	13.00	EACH		\$	
0170	01028		PERF PIPE HEADWALL TY 3-4 IN	14.00	EACH		\$	
0180	01310		REMOVE PIPE	205.00	LF		\$	
0190	01891		ISLAND HEADER CURB TYPE 2	100.00	LF		\$	
0200	01982		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	53.00	EACH		\$	
0210	01983		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL YELLOW	30.00	EACH		\$	
0220	01987		DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	58.00	EACH		\$	
0230	02014		BARRICADE-TYPE III	20.00	EACH		\$	
0240	02230		EMBANKMENT IN PLACE	247,098.00	CUYD		\$	
0250	02242		WATER (FOR DUST CONTROL)	7.00	MGAL		\$	
0260	02262		FENCE-WOVEN WIRE TYPE 1	6,771.00	LF		\$	
0270	02265		REMOVE FENCE	6,974.00	LF		\$	
0280	02351		GUARDRAIL-STEEL W BEAM-S FACE	8,262.50	LF		\$	
0290	02360		GUARDRAIL TERMINAL SECTION NO 1	3.00	EACH		\$	
0300	02363		GUARDRAIL CONNECTOR TO BRIDGE END TY A	4.00	EACH		\$	
0310	02367		GUARDRAIL END TREATMENT TYPE 1	9.00	EACH		\$	
0320	02369		GUARDRAIL END TREATMENT TYPE 2A	6.00	EACH		\$	
0330	02381		REMOVE GUARDRAIL	2,950.00	LF		\$	
0340	02391		GUARDRAIL END TREATMENT TYPE 4A	2.00	EACH		\$	
0350	02429		RIGHT-OF-WAY MONUMENT TYPE 1	42.00	EACH		\$	
0360	02432		WITNESS POST	12.00	EACH		\$	
0370	02483		CHANNEL LINING CLASS II	4,276.00	TON		\$	
0380	02484		CHANNEL LINING CLASS III	3,189.00	TON		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0390	02488		CHANNEL LINING CLASS IV	1,043.00	CUYD		\$	
0400	02545		CLEARING AND GRUBBING (APPROXIMATELY 20 ACRES)	1.00	LS		\$	
0410	02562		TEMPORARY SIGNS	1,247.00	SQFT		\$	
0420	02599		FABRIC-GEOTEXTILE TYPE IV	5,075.00	SQYD		\$	
0430	02600		FABRIC GEOTEXTILE TY IV FOR PIPE	4,005.00	SQYD	\$2.00	\$	\$8,010.00
0440	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0450	02671		PORTABLE CHANGEABLE MESSAGE SIGN	4.00	EACH		\$	
0460	02696		SHOULDER RUMBLE STRIPS	20,779.00	LF		\$	
0470	02726		STAKING	1.00	LS		\$	
0480	02775		ARROW PANEL	2.00	EACH		\$	
0485	03171		CONCRETE BARRIER WALL TYPE 9T (ADDED: 3-14-18)	600.00	LF		\$	
0490	05950		EROSION CONTROL BLANKET	73,844.00	SQYD		\$	
0500	05963		INITIAL FERTILIZER	7.00	TON		\$	
0510	05964		20-10-10 FERTILIZER	15.00	TON		\$	
0520	05985		SEEDING AND PROTECTION	225,636.00	SQYD		\$	
0530	05990		SODDING	2,600.00	SQYD		\$	
0540	05992		AGRICULTURAL LIMESTONE	141.00	TON		\$	
0550	06510		PAVE STRIPING-TEMP PAINT-4 IN	19,100.00	LF		\$	
0560	06514		PAVE STRIPING-PERM PAINT-4 IN	27,550.00	LF		\$	
0566	08903		CRASH CUSHION TY VI CLASS BT TL3 (ADDED: 3-14-18)	2.00	EACH		\$	
0570	06515		PAVE STRIPING-PERM PAINT-6 IN	18,179.00	LF		\$	
0580	06517		PAVE STRIPING-PERM PAINT-12 IN	2,010.00	LF		\$	
0590	06568		PAVE MARKING-THERMO STOP BAR-24IN	280.00	LF		\$	
0600	06569		PAVE MARKING-THERMO CROSS-HATCH	920.00	SQFT		\$	
0610	06574		PAVE MARKING-THERMO CURV ARROW	4.00	EACH		\$	
0620	06589		PAVEMENT MARKER TYPE V-MW	60.00	EACH		\$	
0630	06591		PAVEMENT MARKER TYPE V-BY	70.00	EACH		\$	
0640	06592		PAVEMENT MARKER TYPE V-B W/R	220.00	EACH		\$	
0650	06593		PAVEMENT MARKER TYPE V-B Y/R	145.00	EACH		\$	
0660	10020NS		FUEL ADJUSTMENT	132,572.00	DOLL	\$1.00	\$	\$132,572.00
0670	10030NS		ASPHALT ADJUSTMENT	89,768.00	DOLL	\$1.00	\$	\$89,768.00
0680	23143ED		KPDES PERMIT AND TEMP EROSION CONTROL	1.00	LS		\$	
0690	24683ED		PAVE MARKING-THERMO DOTTED LANE EXTEN	150.00	LF		\$	
0700	24814EC		PIPELINE INSPECTION	1,015.00	LF		\$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0710	00441		ENTRANCE PIPE-18 IN	328.00	LF		\$	
0720	00450		ENTRANCE PIPE-15 IN EQUIV	30.00	LF		\$	
0730	00461		CULVERT PIPE-15 IN	39.00	LF		\$	
0740	00462		CULVERT PIPE-18 IN	343.00	LF		\$	
0750	00464		CULVERT PIPE-24 IN	258.00	LF		\$	
0760	00466		CULVERT PIPE-30 IN	149.00	LF		\$	
0770	00468		CULVERT PIPE-36 IN	513.00	LF		\$	

PROPOSAL BID ITEMS

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0780	00472		CULVERT PIPE-60 IN	290.00	LF		\$	
0790	00474		CULVERT PIPE-72 IN	224.00	LF		\$	
0800	01204		PIPE CULVERT HEADWALL-18 IN	2.00	EACH		\$	
0810	01208		PIPE CULVERT HEADWALL-24 IN	4.00	EACH		\$	
0820	01210		PIPE CULVERT HEADWALL-30 IN	2.00	EACH		\$	
0830	01212		PIPE CULVERT HEADWALL-36 IN	4.00	EACH		\$	
0840	01220		PIPE CULVERT HEADWALL-60 IN	1.00	EACH		\$	
0850	01432		SLOPED BOX OUTLET TYPE 1-15 IN	1.00	EACH		\$	
0860	01450		S & F BOX INLET-OUTLET-18 IN	5.00	EACH		\$	
0870	01451		S & F BOX INLET-OUTLET-24 IN	1.00	EACH		\$	
0880	01453		S & F BOX INLET-OUTLET-36 IN	4.00	EACH		\$	
0890	01490		DROP BOX INLET TYPE 1	4.00	EACH		\$	
0900	01645		JUNCTION BOX-36 IN	1.00	EACH		\$	
0910	01691		FLUME INLET TYPE 2	4.00	EACH		\$	
0920	08100		CONCRETE-CLASS A	10.00	CUYD		\$	
0930	08150		STEEL REINFORCEMENT	773.00	LB		\$	
0940	24025EC		PIPE CULVERT HEADWALL-72 IN	4.00	EACH		\$	

Section: 0004 - BRIDGE - KY 910 OVER CUMBERLAND PKWY - DWG 27579

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0950	02231		STRUCTURE GRANULAR BACKFILL	74.00	CUYD		\$	
0960	02403		REMOVE CONCRETE MASONRY	120.20	CUYD		\$	
0970	02929		CRASH CUSHION TYPE IX	2.00	EACH		\$	
0980	02998		MASONRY COATING	1,068.00	SQYD		\$	
0990	03295		EXPAN JOINT REPLACE 2 IN	86.90	LF		\$	
1000	03299		ARMORED EDGE FOR CONCRETE	86.80	LF		\$	
1010	08001		STRUCTURE EXCAVATION-COMMON	156.00	CUYD		\$	
1020	08020		CRUSHED AGGREGATE SLOPE PROT	63.00	TON		\$	
1030	08046		PILES-STEEL HP12X53	570.00	LF		\$	
1040	08094		PILE POINTS-12 IN	16.00	EACH		\$	
1050	08100		CONCRETE-CLASS A	134.00	CUYD		\$	
1060	08104		CONCRETE-CLASS AA	256.00	CUYD		\$	
1070	08150		STEEL REINFORCEMENT	10,423.00	LB		\$	
1080	08151		STEEL REINFORCEMENT-EPOXY COATED	24,620.00	LB		\$	
1090	08434		CLEAN & PAINT STRUCTURAL STEEL	1.00	LS		\$	
1100	08504		EPOXY SAND SLURRY	67.00	SQYD		\$	
1110	08526		CONC CLASS M FULL DEPTH PATCH	2.00	CUYD		\$	
1120	08534		CONCRETE OVERLAY-LATEX	37.40	CUYD		\$	
1130	08549		BLAST CLEANING	1,076.00	SQYD		\$	
1140	08550		HYDRODEMOLITION	747.00	SQYD		\$	
1150	08670		PRECAST PC BOX BEAM SB27	509.20	LF		\$	
1160	21532ED		RAIL SYSTEM TYPE III	562.20	LF		\$	

Section: 0005 - SIGNING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
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PROPOSAL BID ITEMS

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Report Date 3/14/18

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1170	02565		OBJECT MARKER TYPE 2	4.00	EACH		\$	
1180	06400		GMSS GALV STEEL TYPE A	3,909.00	LB		\$	
1190	06401		FLEXIBLE DELINEATOR POST-M/W	189.00	EACH		\$	
1200	06404		FLEXIBLE DELINEATOR POST-M/Y	99.00	EACH		\$	
1210	06405		SBM ALUMINUM PANEL SIGNS	1,293.00	SQFT		\$	
1220	06406		SBM ALUM SHEET SIGNS .080 IN	59.00	SQFT		\$	
1230	06407		SBM ALUM SHEET SIGNS .125 IN	843.00	SQFT		\$	
1240	06410		STEEL POST TYPE 1	1,742.00	LF		\$	
1250	06412		STEEL POST MILE MARKERS	2.00	EACH		\$	
1260	06441		GMSS GALV STEEL TYPE C	4,919.00	LB		\$	
1270	06490		CLASS A CONCRETE FOR SIGNS	34.00	CUYD		\$	
1280	06491		STEEL REINFORCEMENT FOR SIGNS	1,442.00	LB		\$	
1290	20419ND		ROADWAY CROSS SECTION	14.00	EACH		\$	
1300	21596ND		GMSS TYPE D	4.00	EACH		\$	
1310	24631EC		BARCODE SIGN INVENTORY	97.00	EACH		\$	

Section: 0006 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1320	02568		MOBILIZATION	1.00	LS		\$	
1330	02569		DEMOBILIZATION	1.00	LS		\$	

Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS



PLANS OF PROPOSED PROJECT

RUSSELL COUNTY INTERCHANGE CONSTRUCTION AT CUMBERLAND PARKWAY & KY 910 NHPP 0802 (010) FD52 104 9008 070-071

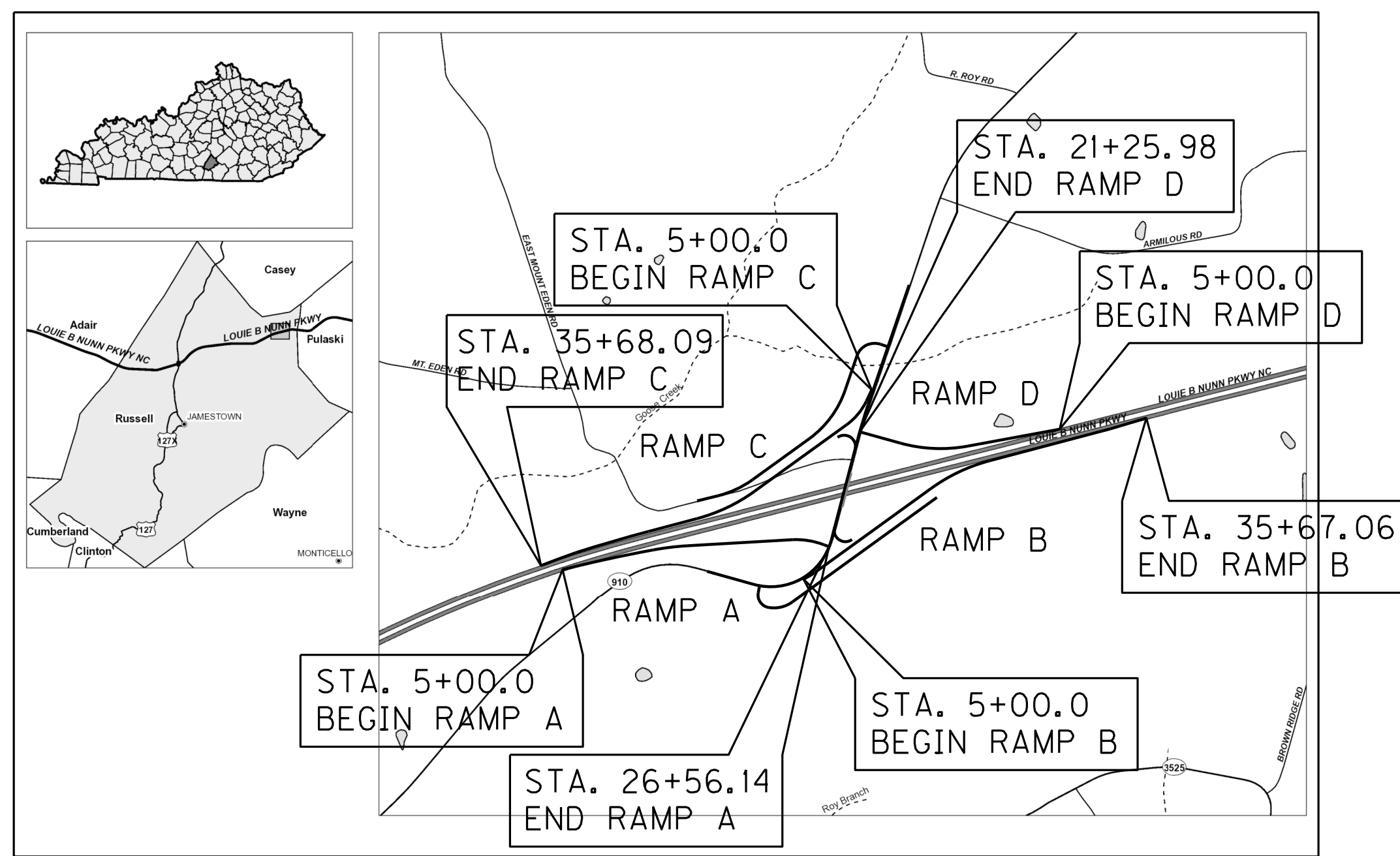
SHEET NO.	DESCRIPTION
R1	LAYOUT SHEET
R2 - R2D	TYPICAL SECTIONS
R2E - R2G	SUMMARY OF QUANTITIES
R2H	GENERAL NOTES
R3 - R32	PLAN AND PROFILE SHEETS
R33	MEDIAN GRADING DETAILS
R34 - R35	ENTRANCE PROFILES
R36	RIGHT OF WAY SUMMARY SHEET
R37	RIGHT OF WAY STRIP MAP SHEET
R38	TRAFFIC CONTROL NOTES
R39	TRAFFIC CONTROL - DETOUR PLAN
R40 - R41	EROSION CONTROL SHEETS
R42	GEOMETRIC LAYOUT SHEET
R43 - R58	GRADE DEVELOPMENT DETAIL SHEETS
R59 - R60	COORDINATE CONTROL SHEETS
R61 - R71	PIPE DRAINAGE SHEETS
R72 - R92	SOIL PROFILE SHEETS
R93 - R102	DETAIL SHEETS (SEPIA #5, #13, #15, #24, #25, #27, #28, #29, #30, #32)
S1 - S21	STRUCTURE PLANS
T1 - T23	TRAFFIC SIGNING PLANS
X1 - X165	CROSS SECTION SHEETS
TOTAL SHEETS	
(R) ROADWAY	102
(S) STRUCTURE	21
(T) TRAFFIC	23
(X) CROSS SECTION	165

SHEETS NOT INCLUDED IN TOTAL SHEETS	
R2A - R2H	

STANDARD DRAWINGS			
NUMBER			
RDH-020-03	RDD-040-05	RDP-010-09	TPM-125-03
RDH-030-03	RDI-001-10	RDX-001-06	TPM-126
RDH-210-03	RDI-002-05	RDX-002-04	TPM-130-03
RDH-220-02	RDI-004-04	RDX-150-06	TPM-135-03
RDH-310-04	RDI-005-04	RDX-210-03	TPM-170
RDH-350-03	RDI-011-03	RDX-215-01	TPM-171
RBB-001-08	RDI-016-03	RDX-220-05	TTC-115-03
RBC-003-08	RDI-020-09	RDX-225-01	TTC-120-02
RBI-003-09	RDI-021-01	RDX-230-01	TTC-125-02
RBR-005-11	RDI-025-05	RFW-005-08	TTS-100-02
RBR-010-06	RDI-026-01	RGX-001-07	TTS-105-02
RBR-025-05	RDI-035-02	RGX-001-06	TTS-110-02
RDB-001-12	RDI-040-01	RGX-005-06	TTS-115-02
RDB-100-05	RDI-041-01	RGX-010-04	TTS-130-02
RDB-101-05	RDI-045-02	RPM-100-10	TTS-135-02
RDB-105-06	RDP-001-06	RPM-110-07	RBE-060-14
RDB-106-05	RDP-005-05	TPM-100-03	RBE-100-10
RDD-021-07	RDP-006-04	TPM-115-03	RBM-115-10
TOTAL STANDARD DRAWINGS: 72			

THIS PROJECT IS A FULLY CONTROLLED ACCESS HIGHWAY

THIS PROJECT IS ON THE NH SYSTEM



BEFORE YOU DIG

The contractor is instructed to call 1-800-752-6007 to reach KY 811, the one-call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that owners of underground facilities are not required to be members of the KY 811 one-call Before-U-Dig (BUD) service. The contractor must coordinate excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Court Clerk to determine what utility companies have facilities in the area.

DESIGN CRITERIA

CLASS OF HIGHWAY	RURAL PRINCIPAL ARTERIAL
TYPE OF TERRAIN	ROLLING
DESIGN SPEED	50 MPH (RAMPS); 40 MPH (KY 910)
REQUIRED NPSD	425 FT
REQUIRED PSD	N/A
LEVEL OF SERVICE	N/A
ADT PRESENT (2017)	800
ADT FUTURE (2037)	900
DHV	130
D %	N/A
T %	7.4%

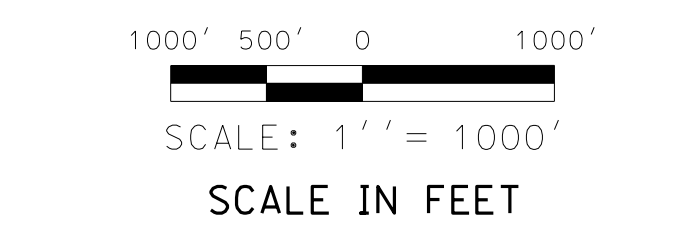
GEOGRAPHIC COORDINATES

LATITUDE 37 DEGREES 05 MINUTES 06 SECONDS NORTH
LONGITUDE 84 DEGREES 55 MINUTES 50 SECONDS WEST

DESIGNED

% RESTRICTED SD	
LEVEL OF SERVICE	
MAX. DISTANCE W/O PASSING	

LENGTH	FOR EQUALITIES	NOT INCLUDED	RAILROAD CROSSINGS NO.	BRIDGES
16,707.23 LIN. FT. 3.164 MILES				
ADDED DEDUCTED	ADDED DEDUCTED	ADDED DEDUCTED	ADDED DEDUCTED	ADDED DEDUCTED



LAYOUT MAP

**Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF
RUSSELL**

ITEM NO. 8-8502.00
PROJECT NUMBER: NHPP 0802 (010)
LETTING DATE: 3-23-18

RECOMMENDED BY: BRIAN DUNBAR PROJECT MANAGER DATE: 2-2-18
PLAN APPROVED BY: [Signature] STATE HIGHWAY ENGINEER DATE: 3-2-18

FILE NAME: C:\PWORK\BRIAN.DUNBAR\0631960\NR001001.S.DGN
USER: brian.dunbar
DATE PLOTTED: March 9, 2018
E-SHEET NAME:
MicroStation v8.11.7.443

Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS



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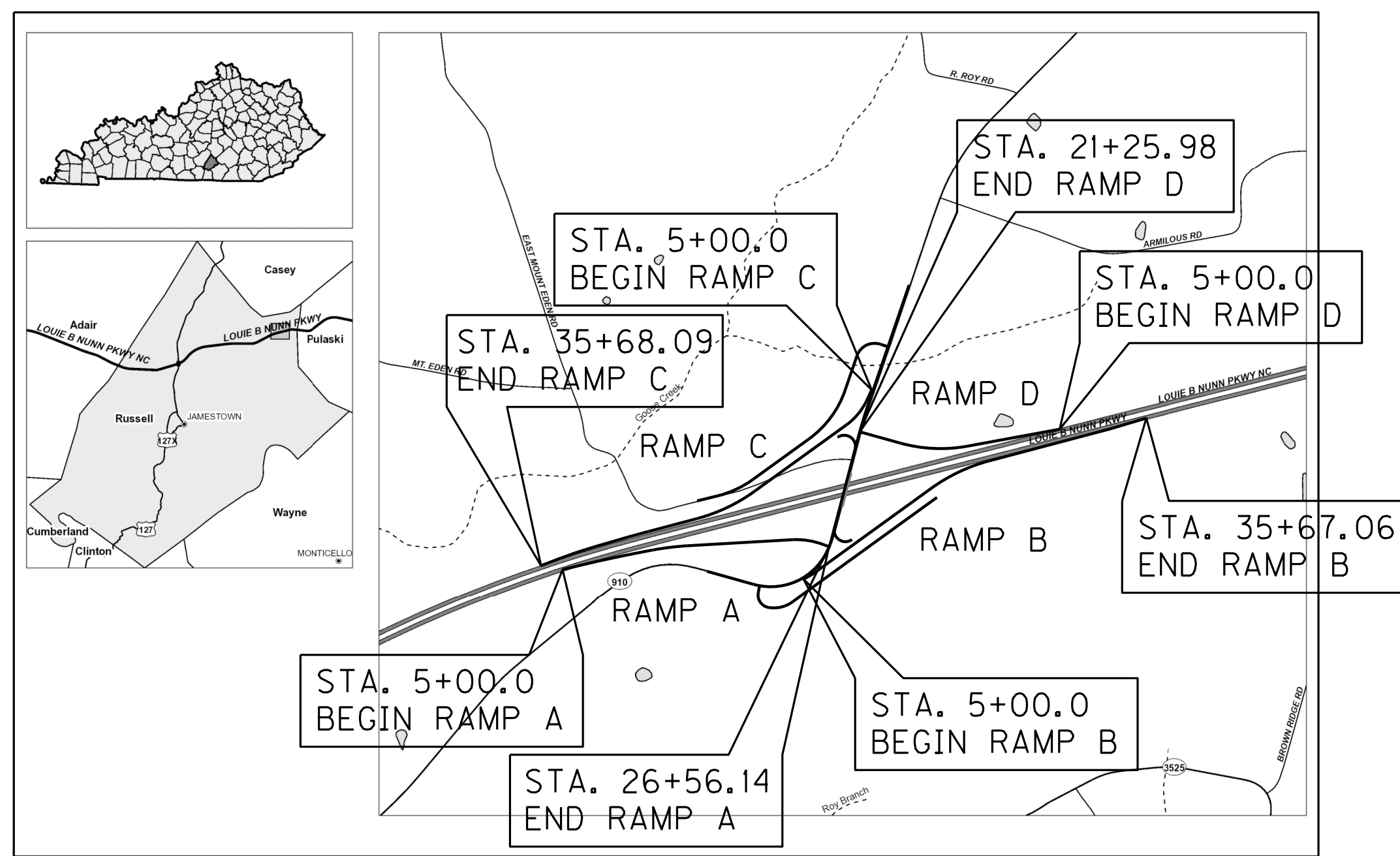
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T1 - T23	TRAFFIC SIGNING PLANS
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TOTAL SHEETS	
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NUMBER	DESCRIPTION
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RDH-210-03	RDI-002-05
RDH-220-02	RDI-004-04
RDH-310-04	RDI-005-04
RDH-350-03	RDI-011-03
RBB-001-08	RDI-016-03
RBC-003-08	RDI-020-09
RBI-003-09	RDI-021-01
RBR-005-11	RDI-025-05
RBR-010-06	RDI-026-01
RBR-025-05	RDI-035-02
RDB-001-12	RDI-040-01
RDB-100-05	RDI-041-01
RDB-101-05	RDI-045-02
RDB-105-06	RDP-001-06
RDB-106-05	RDP-005-05
RDD-021-07	RDP-006-04
RDX-001-06	RDX-002-04
RDX-150-06	RDX-210-03
RDX-215-01	RDX-215-01
RDX-220-05	RDX-225-01
RDX-230-01	RDX-230-01
RFW-005-08	RFW-005-08
RGX-001-06	RGX-001-06
RGX-005-06	RGX-010-04
RPM-100-10	RPM-100-10
RPM-110-07	RPM-110-07
TPM-100-03	TPM-100-03
TPM-115-03	TPM-115-03
TPM-125-03	TPM-125-03
TPM-126	TPM-126
TPM-130-03	TPM-130-03
TPM-135-03	TPM-135-03
TPM-170	TPM-170
TPM-171	TPM-171
TTC-115-03	TTC-115-03
TTD-120-02	TTD-120-02
TTD-125-02	TTD-125-02
TTS-100-02	TTS-100-02
TTS-105-02	TTS-105-02
TTS-110-02	TTS-110-02
TTS-115-02	TTS-115-02
TTS-130-02	TTS-130-02
RBE-100-10	RBE-100-10
RBM-115-10	RBM-115-10

TOTAL STANDARD DRAWINGS: 72

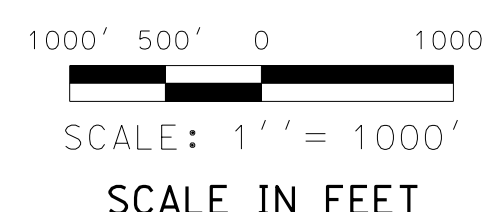
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THIS PROJECT IS ON THE NH SYSTEM



BEFORE YOU DIG

The contractor is instructed to call 1-800-752-6007 to reach KY 811, the one-call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that owners of underground facilities are not required to be members of the KY 811 one-call Before-U-Dig (BUD) service. The contractor must coordinate excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Court Clerk to determine what utility companies have facilities in the area.



LAYOUT MAP

**Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF
RUSSELL**

ITEM NO. 8-8502.00
PROJECT NHPP 0802 (010)
NUMBER: FD52 104 9008 070-071
LETTING DATE: 3-23-18

RECOMMENDED BY: BRIAN DUNBAR DATE: 2-2-18
PROJECT MANAGER

PLAN APPROVED BY: [Signature] DATE: 3-2-18
STATE HIGHWAY ENGINEER

DESIGN CRITERIA	
CLASS OF HIGHWAY	RURAL PRINCIPAL ARTERIAL
TYPE OF TERRAIN	ROLLING
DESIGN SPEED	50 MPH (RAMPS); 40 MPH (KY 910)
REQUIRED NPSD	425 FT
REQUIRED PSD	N/A
LEVEL OF SERVICE	N/A
ADT PRESENT (2017)	800
ADT FUTURE (2037)	900
DHV	130
D %	N/A
T %	7.4%
GEOGRAPHIC COORDINATES	
LATITUDE	37 DEGREES 05 MINUTES 06 SECONDS NORTH
LONGITUDE	84 DEGREES 55 MINUTES 50 SECONDS WEST
DESIGNED	
% RESTRICTED SD	
LEVEL OF SERVICE	
MAX. DISTANCE W/O PASSING	

LENGTH	FOR EQUALITIES	NOT INCLUDED	RAILROAD CROSSINGS NO.	BRIDGES
16,707.23 LIN. FT. 3.164 MILES				
ADDED [] DEDUCTED []	ADDED [] DEDUCTED []	ADDED [] DEDUCTED []	ADDED [] DEDUCTED []	ADDED [] DEDUCTED []

FILE NAME: C:\PWORK\BRIAN.DUNBAR\0631960\NR001001.S.DGN
 USER: brian.dunbar
 DATE PLOTTED: March 9, 2018
 E-SHEET NAME:
 MicroStation v8.11.7.443

GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
RUSSELL	8-8502.00	R2E

ITEM	DESCRIPTION	UNIT	RAMP A	RAMP B & B2	RAMP C & C2	RAMP D	KY 910	MT EDEN ROAD	ACCESS ROAD	CB PKWY EB	CB PKWY WB	ENTRANCES	TOTAL PROJECT	
2230	EMBANKMENT IN PLACE	⑫ ⑬	CU YD	55,353	71,719	26,370	8,460	43,100	21,704	10,042	0	0	10,350	247,098
2545	CLEARING & GRUBBING	⑫	LS	0	0	0	0	0	0	0	0	0	0	1
2726	STAKING		LS	0	0	0	0	0	0	0	0	0	0	1
23143ED	KPDES TEMPORARY EROSION CONTROL	①	LS	0	0	0	0	0	0	0	0	0	0	1
5985	SEEDING AND PROTECTION		SQ YD	48,394	44,047	56,409	25,451	22,230	17,083	12,022	0	0	0	225,636
5963	INITIAL FERTILIZER		TON	1	1	1	1	1	1	1	0	0	0	7
5964	20-10-10 FERTILIZER		TON	3	3	3	2	2	1	1	0	0	0	15
5992	AGRICULTURAL LIMESTONE		TON	30	27	35	16	14	11	8	0	0	0	141
2562	TEMPORARY SIGNS	⑭	SQ FT	0	0	0	0	300	72	0	300	300	0	1,247
2429	RIGHT-OF-WAY MONUMENT, TY 1		EA	6	4	0	3	14	10	5	0	0	0	42
2432	WITNESS POST	⑦	EA	4	1	0	1	5	1	0	0	0	0	12
2381	REMOVE EXISTING GUARDRAIL		LF	0	0	0	0	2,950	0	0	0	0	0	2,950
1310	REMOVE PIPE		LF	0	0	0	0	0	0	0	0	205	0	205
2351	GUARDRAIL STEEL W-BEAM, S-FACE		LF	1,500	1,387.5	1,150.0	325.0	2,712.5	937.5	0	0	250	0	8,262.5
2369	GUARDRAIL END TREATMENT - TY 2A		EA	0	2	3	0	0	0	0	1	0	0	6
2367	GUARDRAIL END TREATMENT - TY 1		EA	2	0	1	2	0	3	0	1	0	0	9
2360	GUARDRAIL TERMINAL SECTION NO. 1		EA	0	0	0	0	0	0	0	0	3	0	3
2363	GUARDRAIL CONNECTOR TO BRIDGE END - TY A		EA	0	0	0	0	4	0	0	0	0	0	4
2391	GUARDRAIL END TREATMENT - TY 4A		EA	0	0	0	0	2	0	0	0	0	0	2
1982	DELINEATOR FOR GUARDRAIL - M/W		EA	15	12	17	5	0	0	0	4	0	0	53
1983	DELINEATOR FOR GUARDRAIL - M/Y		EA	15	10	0	5	0	0	0	0	0	0	30
1987	DELINEATOR FOR GUARDRAIL - B/W		EA	0	0	0	0	36	22	0	0	0	0	58
5950	EROSION CONTROL BLANKET	⑧	SQ YD	19,474	11,812	10,636	3,991	19,768	5,625	2,538	0	0	0	73,844
2483	CHANNEL LINING - CL 2	⑮	TON	590	423	1,340	20	743	217	743	0	0	0	4,276
2484	CHANNEL LINING - CL 3	⑮	TON	230	377	765	0	345	1,072	200	0	0	0	3,189
2488	CHANNEL LINING - CL 4	⑪	CU YD	590	0	0	0	185	268	0	0	0	0	1,043
2650	MAINTAIN & CONTROL TRAFFIC		LS	0	0	0	0	0	0	0	0	0	0	1
6510	PAVEMENT STRIPING - TEMP PAINT - 4 IN		LF	0	0	0	0	12,100	0	0	3,500	3,500	0	19,100
6514	PAVEMENT STRIPING - PERM PAINT - 4 IN		LF	0	0	0	0	12,100	8,400	7,050	0	0	0	27,550
6515	PAVEMENT STRIPING - PERM PAINT - 6 IN		LF	3,335	5,100	5,100	2,244	0	0	0	1,200	1,200	0	18,179
6517	PAVEMENT STRIPING - PERM PAINT - 12 IN		LF	750	320	320	620	0	0	0	0	0	0	2,010
24683ED	PAVEMENT MARKING - THERMO DOTTED LANE EXTEN	⑬	LF	0	0	0	0	150	0	0	0	0	0	150
6568	PAVEMENT MARKING - THERMO STOP BAR - 24 IN		LF	115	0	0	100	0	35	30	0	0	0	280
6569	PAVEMENT MARKING - THERMO CROSS HATCH		SQ FT	920	0	0	0	0	0	0	0	0	0	920
6574	PAVEMENT MARKING - THERMO CURVE ARROW		EA	2	0	0	2	0	0	0	0	0	0	4
6589	PAVEMENT MARKER TYPE V - M/W		EA	0	0	0	0	0	0	0	30	30	0	60
6591	PAVEMENT MARKER TYPE V - B/Y		EA	0	0	0	0	70	0	0	0	0	0	70
6592	PAVEMENT MARKER TYPE V - B W/R		EA	60	50	50	60	0	0	0	0	0	0	220
6593	PAVEMENT MARKER TYPE V - B Y/R		EA	40	40	40	25	0	0	0	0	0	0	145
2696	SHOULDER RUMBLE STRIPS - SAWED		LF	3,940	4,994	4,943	2,864	4,038	0	0	0	0	0	20,779
78	CRUSHED AGGREGATE SIZE NO. 2	③ ④	TON	300	300	300	300	300	300	300	0	0	0	2,100
2599	GEOTEXTILE FABRIC - TYPE IV	③	SQ YD	725	725	725	725	725	725	725	0	0	0	5,075
2600	GEOTEXTILE FABRIC - TYPE IV FOR PIPE		SQ YD	250	450	385	170	1,925	510	55	260	0	0	4,005
10020NS	FUEL ADJUSTMENT		DOLL	0	0	0	0	0	0	0	0	0	0	132,572
10030NS	ASPHALT ADJUSTMENT		DOLL	0	0	0	0	0	0	0	0	0	0	89,768
24814EC	PIPELINE INSPECTION		LF	100	150	150	60	350	80	25	100	0	0	1,015
2671	PORTABLE CHANGEABLE MESSAGE SIGN		EA	0	0	0	0	2	0	0	1	1	0	4
2775	ARROW PANEL		EA	0	0	0	0	0	0	0	1	1	0	2
2262	FENCE - WOVEN WIRE TY 1		LF	1,681	1,558	2,097	932	345	158	0	0	0	0	6,771
2265	REMOVE FENCE		LF	2,080	1,645	1,644	955	650	0	0	0	0	0	6,974
5990	SODDING	⑨	SQ YD	0	1,300	1,300	0	0	0	0	0	0	0	2,600
2568	MOBILIZATION		LS	0	0	0	0	0	0	0	0	0	0	1
2569	DEMobilIZATION		LS	0	0	0	0	0	0	0	0	0	0	1
1000	PERFORATED PIPE - 4 IN	⑤	LF	70	180	445	205	1,010	125	35	0	0	0	2,070
1010	NON-PERFORATED PIPE - 4 IN	⑤	LF	20	70	60	40	170	30	10	0	0	0	400
1020	PERFORATED PIPE HEADWALL TY 1 - 4 IN	⑤	EA	0	2	2	1	5	3	0	0	0	0	13
1028	PERFORATED PIPE HEADWALL TY 3 - 4 IN	⑤	EA	3	2	2	3	1	1	2	0	0	0	14
1891	ISLAND HEADER CURB TY 2	⑩	LF	0	0	0	0	100	0	0	0	0	0	100
2242	WATER	⑥	MGAL	1	1	1	1	1	1	1	0	0	0	7
2014	BARRICADE - TYPE III		EA	4	6	6	4	0	0	0	0	0	0	20
8903	CRASH CUSHION TY VI CLASS BT TL3	⑮A	EA	0	0	0	0	0	0	0	1	1	0	2
3171	CONCRETE BARRIER WALL TYPE 9T	⑮A	LF	0	0	0	0	0	0	0	300	300	0	600

NOTES:

- ① SEE SPECIAL NOTE IN PROPOSAL.
- ② APPROXIMATELY 20 ACRES.
- ③ MATERIAL IS TO BE USED FOR CONSTRUCTION OF WORKING PLATFORM AND IN AREAS WHERE SUBGRADE IS SOFT AND / OR SATURATED FOR ALL RAMPS, KY 910, MT. EDEN RD., & ACCESS RD.

LOCATIONS, THICKNESS, QUANTITY, ETC. SHALL BE DETERMINED BY ENGINEER IN FIELD. (SEE GEOTECHNICAL NOTE NO. 11 & 12; SHEET R73)
- ④ QUANTITY INCLUDES 1 TON OF CRUSHED AGGREGATE NO. 2 PER PERFORATED PIPE HEADWALL.
- ⑤ CONSTRUCT PERFORATED PIPE AS DIRECTED BY THE ENGINEER ON-SITE. (SEE GEOTECHNICAL NOTES 8, 9, & 10; SHEET R73)
- ⑥ ESTIMATED AT 2.125 MGAL PER MILE (FOR CONTROLLING DUST).
- ⑦ INSTALL AS DIRECTED BY THE ENGINEER ON-SITE.
- ⑧ INSTALL ECB IN DITCHES AND ON 2:1 SLOPES. (INCLUDES 58,491 SQ YDS FOR 2:1 SLOPES)
- ⑨ FOR USE IN ISLANDS AT RAMPS B & C.
- ⑩ CONSTRUCT 25 LF OF ISLAND HEADER CURB TY 2 AT BRIDGE ENDS. (SEE STANDARD DRAWINGS RBC-005 & RPM-100-10).
- ⑪ SEE PLAN SHEETS FOR D50 REQUIREMENT.
- ⑫ EARTHWORK QUANTITY IS AN APPROXIMATION AND FOR INFORMATION ONLY. CONTRACTOR ASSUMES RESPONSIBILITY FOR ANY DISCREPANCY THAT MAY EXIST BETWEEN ESTIMATE AND ACTUAL QUANTITY.
- ⑬ CONSTRUCT PAVEMENT MARKING - THERMO DOTTED LANE AT KY 910 RT. STA. 12+93 TO 14+39.
- ⑭ QUANTITY INCLUDES 275 SQ FT FOR SIGNING DETOUR ROUTE.
- ⑮ QUANTITY INCLUDES 200 TONS FOR USE AS DIRECTED BY THE ENGINEER.
- ⑮A PLACE ALONG PARKWAY TO SHIELD BLUNT END AT CENTER PIER WHICH WILL BE EXPOSED DURING BRIDGE WIDENING.

GENERAL SUMMARY

FILE NAME: G:\PWORK\BRIAN_DUNBAR\0631960\ROO20ESU.DGN

USER: br\ion.dunbar
DATE PLOTTED: March 9, 2018

E-SHEET NAME:

MicroStation v8.11.7.443

GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
RUSSELL	8-8502.00	R2E

ITEM	DESCRIPTION	UNIT	RAMP A	RAMP B & B2	RAMP C & C2	RAMP D	KY 910	MT EDEN ROAD	ACCESS ROAD	CB PKWY EB	CB PKWY WB	ENTRANCES	TOTAL PROJECT	
2230	EMBANKMENT IN PLACE	⑫ ⑬	CU YD	55,353	71,719	26,370	8,460	43,100	21,704	10,042	0	0	10,350	247,098
2545	CLEARING & GRUBBING	⑫	LS	0	0	0	0	0	0	0	0	0	0	1
2726	STAKING		LS	0	0	0	0	0	0	0	0	0	0	1
23143ED	KPDES TEMPORARY EROSION CONTROL	①	LS	0	0	0	0	0	0	0	0	0	0	1
5985	SEEDING AND PROTECTION		SQ YD	48,394	44,047	56,409	25,451	22,230	17,083	12,022	0	0	0	225,636
5963	INITIAL FERTILIZER		TON	1	1	1	1	1	1	1	0	0	0	7
5964	20-10-10 FERTILIZER		TON	3	3	3	2	2	1	1	0	0	0	15
5992	AGRICULTURAL LIMESTONE		TON	30	27	35	16	14	11	8	0	0	0	141
2562	TEMPORARY SIGNS	⑭	SQ FT	0	0	0	0	300	72	0	300	300	0	1,247
2429	RIGHT-OF-WAY MONUMENT, TY 1		EA	6	4	0	3	14	10	5	0	0	0	42
2432	WITNESS POST	⑦	EA	4	1	0	1	5	1	0	0	0	0	12
2381	REMOVE EXISTING GUARDRAIL		LF	0	0	0	0	2,950	0	0	0	0	0	2,950
1310	REMOVE PIPE		LF	0	0	0	0	0	0	0	0	205	0	205
2351	GUARDRAIL STEEL W-BEAM, S-FACE		LF	1,500	1,387.5	1,150.0	325.0	2,712.5	937.5	0	0	250	0	8,262.5
2369	GUARDRAIL END TREATMENT - TY 2A		EA	0	2	3	0	0	0	0	1	0	0	6
2367	GUARDRAIL END TREATMENT - TY 1		EA	2	0	1	2	0	3	0	1	0	0	9
2360	GUARDRAIL TERMINAL SECTION NO. 1		EA	0	0	0	0	0	0	0	0	3	0	3
2363	GUARDRAIL CONNECTOR TO BRIDGE END - TY A		EA	0	0	0	0	4	0	0	0	0	0	4
2391	GUARDRAIL END TREATMENT - TY 4A		EA	0	0	0	0	2	0	0	0	0	0	2
1982	DELINEATOR FOR GUARDRAIL - M/W		EA	15	12	17	5	0	0	0	4	0	0	53
1983	DELINEATOR FOR GUARDRAIL - M/Y		EA	15	10	0	5	0	0	0	0	0	0	30
1987	DELINEATOR FOR GUARDRAIL - B/W		EA	0	0	0	0	36	22	0	0	0	0	58
5950	EROSION CONTROL BLANKET	⑧	SQ YD	19,474	11,812	10,636	3,991	19,768	5,625	2,538	0	0	0	73,844
2483	CHANNEL LINING - CL 2	⑮	TON	590	423	1,340	20	743	217	743	0	0	0	4,276
2484	CHANNEL LINING - CL 3	⑮	TON	230	377	765	0	345	1,072	200	0	0	0	3,189
2488	CHANNEL LINING - CL 4	⑪	CU YD	590	0	0	0	185	268	0	0	0	0	1,043
2650	MAINTAIN & CONTROL TRAFFIC		LS	0	0	0	0	0	0	0	0	0	0	1
6510	PAVEMENT STRIPING - TEMP PAINT - 4 IN		LF	0	0	0	0	12,100	0	0	3,500	3,500	0	19,100
6514	PAVEMENT STRIPING - PERM PAINT - 4 IN		LF	0	0	0	0	12,100	8,400	7,050	0	0	0	27,550
6515	PAVEMENT STRIPING - PERM PAINT - 6 IN		LF	3,335	5,100	5,100	2,244	0	0	0	1,200	1,200	0	18,179
6517	PAVEMENT STRIPING - PERM PAINT - 12 IN		LF	750	320	320	620	0	0	0	0	0	0	2,010
24683ED	PAVEMENT MARKING - THERMO DOTTED LANE EXTEN	⑬	LF	0	0	0	0	150	0	0	0	0	0	150
6568	PAVEMENT MARKING - THERMO STOP BAR - 24 IN		LF	115	0	0	100	0	35	30	0	0	0	280
6569	PAVEMENT MARKING - THERMO CROSS HATCH		SQ FT	920	0	0	0	0	0	0	0	0	0	920
6574	PAVEMENT MARKING - THERMO CURVE ARROW		EA	2	0	0	2	0	0	0	0	0	0	4
6589	PAVEMENT MARKER TYPE V - M/W		EA	0	0	0	0	0	0	0	30	30	0	60
6591	PAVEMENT MARKER TYPE V - B/Y		EA	0	0	0	0	70	0	0	0	0	0	70
6592	PAVEMENT MARKER TYPE V - B W/R		EA	60	50	50	60	0	0	0	0	0	0	220
6593	PAVEMENT MARKER TYPE V - B Y/R		EA	40	40	40	25	0	0	0	0	0	0	145
2696	SHOULDER RUMBLE STRIPS - SAWED		LF	3,940	4,994	4,943	2,864	4,038	0	0	0	0	0	20,779
78	CRUSHED AGGREGATE SIZE NO. 2	③ ④	TON	300	300	300	300	300	300	300	0	0	0	2,100
2599	GEOTEXTILE FABRIC - TYPE IV	③	SQ YD	725	725	725	725	725	725	725	0	0	0	5,075
2600	GEOTEXTILE FABRIC - TYPE IV FOR PIPE		SQ YD	250	450	385	170	1,925	510	55	260	0	0	4,005
10020NS	FUEL ADJUSTMENT		DOLL	0	0	0	0	0	0	0	0	0	0	132,572
10030NS	ASPHALT ADJUSTMENT		DOLL	0	0	0	0	0	0	0	0	0	0	89,768
24814EC	PIPELINE INSPECTION		LF	100	150	150	60	350	80	25	100	0	0	1,015
2671	PORTABLE CHANGEABLE MESSAGE SIGN		EA	0	0	0	0	2	0	0	1	1	0	4
2775	ARROW PANEL		EA	0	0	0	0	0	0	0	1	1	0	2
2262	FENCE - WOVEN WIRE TY 1		LF	1,681	1,558	2,097	932	345	158	0	0	0	0	6,771
2265	REMOVE FENCE		LF	2,080	1,645	1,644	955	650	0	0	0	0	0	6,974
5990	SODDING	⑨	SQ YD	0	1,300	1,300	0	0	0	0	0	0	0	2,600
2568	MOBILIZATION		LS	0	0	0	0	0	0	0	0	0	0	1
2569	DEMobilIZATION		LS	0	0	0	0	0	0	0	0	0	0	1
1000	PERFORATED PIPE - 4 IN	⑤	LF	70	180	445	205	1,010	125	35	0	0	0	2,070
1010	NON-PERFORATED PIPE - 4 IN	⑤	LF	20	70	60	40	170	30	10	0	0	0	400
1020	PERFORATED PIPE HEADWALL TY 1 - 4 IN	⑤	EA	0	2	2	1	5	3	0	0	0	0	13
1028	PERFORATED PIPE HEADWALL TY 3 - 4 IN	⑤	EA	3	2	2	3	1	1	2	0	0	0	14
1891	ISLAND HEADER CURB TY 2	⑩	LF	0	0	0	0	100	0	0	0	0	0	100
2242	WATER	⑥	MGAL	1	1	1	1	1	1	1	0	0	0	7
2014	BARRICADE - TYPE III		EA	4	6	6	4	0	0	0	0	0	0	20
8903	CRASH CUSHION TY VI CLASS BT TL3	⑮A	EA	0	0	0	0	0	0	0	1	1	0	2
3171	CONCRETE BARRIER WALL TYPE 9T	⑮A	LF	0	0	0	0	0	0	0	300	300	0	600

NOTES:

- ① SEE SPECIAL NOTE IN PROPOSAL.
- ② APPROXIMATELY 20 ACRES.
- ③ MATERIAL IS TO BE USED FOR CONSTRUCTION OF WORKING PLATFORM AND IN AREAS WHERE SUBGRADE IS SOFT AND / OR SATURATED FOR ALL RAMPS, KY 910, MT. EDEN RD., & ACCESS RD.

LOCATIONS, THICKNESS, QUANTITY, ETC. SHALL BE DETERMINED BY ENGINEER IN FIELD. (SEE GEOTECHNICAL NOTE NO. 11 & 12; SHEET R73)
- ④ QUANTITY INCLUDES 1 TON OF CRUSHED AGGREGATE NO. 2 PER PERFORATED PIPE HEADWALL.
- ⑤ CONSTRUCT PERFORATED PIPE AS DIRECTED BY THE ENGINEER ON-SITE. (SEE GEOTECHNICAL NOTES 8, 9, & 10; SHEET R73)
- ⑥ ESTIMATED AT 2.125 MGAL PER MILE (FOR CONTROLLING DUST).
- ⑦ INSTALL AS DIRECTED BY THE ENGINEER ON-SITE.
- ⑧ INSTALL ECB IN DITCHES AND ON 2:1 SLOPES. (INCLUDES 58,491 SQ YDS FOR 2:1 SLOPES)
- ⑨ FOR USE IN ISLANDS AT RAMPS B & C.
- ⑩ CONSTRUCT 25 LF OF ISLAND HEADER CURB TY 2 AT BRIDGE ENDS. (SEE STANDARD DRAWINGS RBC-005 & RPM-100-10).
- ⑪ SEE PLAN SHEETS FOR D50 REQUIREMENT.
- ⑫ EARTHWORK QUANTITY IS AN APPROXIMATION AND FOR INFORMATION ONLY. CONTRACTOR ASSUMES RESPONSIBILITY FOR ANY DISCREPANCY THAT MAY EXIST BETWEEN ESTIMATE AND ACTUAL QUANTITY.
- ⑬ CONSTRUCT PAVEMENT MARKING - THERMO DOTTED LANE AT KY 910 RT. STA. 12+93 TO 14+39.
- ⑭ QUANTITY INCLUDES 275 SQ FT FOR SIGNING DETOUR ROUTE.
- ⑮ QUANTITY INCLUDES 200 TONS FOR USE AS DIRECTED BY THE ENGINEER.
- ⑮A PLACE ALONG PARKWAY TO SHIELD BLUNT END AT CENTER PIER WHICH WILL BE EXPOSED DURING BRIDGE WIDENING.

GENERAL SUMMARY

FILE NAME: G:\PWORK\BRIAN_DUNBAR\0631960\ROO20ESU.DGN

USER: br\ions\dunbar
DATE PLOTTED: March 9, 2018

E-SHEET NAME:

MicroStation v8.11.7.443