

8-1053.00 KY 1787
Bridge 102B00053N
Rockcastle County

6-26-12

















WARNING
BURIED CABLE
TELEPHONE CABLE ROUTE
CONTEL

BURYING CABLES BEHIND THE POST

ALTERNATE 2A

ITEM CODE	ITEM	UNIT	QUANTITY	UNIT PRICE	ITEM COST	DESCRIPTIONS
	SIGNAGE/OBJECT MARKERS					
06407	SBM ALUM SHEET SIGNS .125 IN	SQFT		\$20.00	\$0.00	
06411	STEEL POST TYPE 2	LF		\$8.00	\$0.00	
02562	SIGNS	SQFT	1,000	\$8.00	\$8,000.00	
	BRIDGE					
	NEW BRIDGE	SF	1,120	\$160.00	\$179,200.00	
08665	PRECAST PC BOX BEAM CB33-48	LF		\$335.00	\$0.00	
02731	REMOVE STRUCTURE	LS	1	\$15,000.00	\$15,000.00	
08104	CONCRETE-CLASS AA	CUYD		\$1,000.00	\$0.00	
08151	STEEL REINFORCEMENT-EPOXY COATED	LB		\$1.25	\$0.00	
03299	ARMORED EDGE FOR CONCRETE	LF		\$150.00	\$0.00	
	MAINLINE EARTHWORK AND PAVING					
02726	STAKING	LS		\$30,000.00	\$0.00	
02545	CLEARING AND GRUBBING	LS		\$30,000.00	\$0.00	
02200	ROADWAY EXCAVATION	CUYD		\$9.00	\$0.00	
00003	CRUSHED STONE BASE	TON		\$19.00	\$0.00	
00212	CL2 ASPH BASE 1.00D PG64-22	TON	64	\$65.00	\$4,131.11	APPROACHES
00301	CL2 ASPH SURF 0.38D PG64-22	TON	24	\$140.00	\$3,336.67	APPROACHES
02585	EDGE KEY	LF	44	\$50.00	\$2,200.00	
06514	PAVE STRIPING-PERM PAINT-4 IN	LF	880	\$0.20	\$176.00	
06530	PAVE STRIPING REMOVAL-4 IN	LF		\$1.20	\$0.00	
06568	PAVE MARKING-THERMO STOP BAR-24IN	LF		\$10.00	\$0.00	
23232EC	RUMBLE STRIPS-SAWED-12 IN	LF		\$0.28	\$0.00	
06574	PAVE MARKING-THERMO CURV ARROW	EA		\$110.00	\$0.00	
	DRAINAGE					
02483	CHANNEL LINING CLASS II	TON		\$24.00	\$0.00	
02484	CHANNEL LINING CLASS III	TON		\$28.00	\$0.00	
00471	CULVERT PIPE-54 IN	LF		\$250.00	\$0.00	

ALTERNATE 2A

00461	CULVERT PIPE-15 IN	LF		\$65.00	\$0.00
00470	CULVERT PIPE-48 IN	LF		\$120.00	\$0.00
00464	CULVERT PIPE-24 IN	LF		\$70.00	\$0.00
00468	CULVERT PIPE-36 IN	LF		\$100.00	\$0.00
00466	CULVERT PIPE-30 IN	LF		\$75.00	\$0.00
00462	CULVERT PIPE-18 IN	LF		\$60.00	\$0.00
08100	CONCRETE-CLASS A	CUYD		\$800.00	\$0.00
08150	STEEL REINFORCEMENT	LB		\$1.00	\$0.00
08100	CONCRETE-CLASS A	CUYD		\$800.00	\$0.00
08150	STEEL REINFORCEMENT	LB		\$1.00	\$0.00
02625	REMOVE HEADWALL	EACH		\$500.00	\$0.00
02237	DITCHING	LF		\$2.00	\$0.00
01490	DROP BOX INLET TYPE _	EACH		\$2,800.00	\$0.00
01440	SLOPED BOX INLET-OUTLET TYPE _	EACH		\$1,800.00	\$0.00
08100	CONCRETE-CLASS A	CUYD		\$500.00	\$0.00
08150	STEEL REINFORCEMENT	LB		\$1.00	\$0.00
	MISCELLANEOUS				
02650	MAINTAIN & CONTROL TRAFFIC	LS	1	\$5,000.00	\$5,000.00
23143ED	KPDES PERMIT AND TEMP EROSION CONTROL	LS	1	\$5,000.00	\$5,000.00
05985	SEEDING AND PROTECTION	SQYD	4,000	\$0.35	\$1,400.00
05950	EROSION CONTROL BLANKET	SQYD		\$1.50	\$0.00
02351	GUARDRAIL-STEEL W BEAM-S FACE	LF	100.0	\$25.00	\$2,500.00
08801	GUARDRAIL-STEEL W BEAM-S FACE BR	LF	100.0	\$165.00	\$16,500.00
02360	GUARDRAIL TERMINAL SECTION NO 1	EACH	2	\$150.00	\$300.00
02367	GUARDRAIL END TREATMENT TYPE 1	EACH	2	\$3,000.00	\$6,000.00
01982	DELINEATOR FOR GUARDRAIL-WHITE	EACH	8	\$12.00	\$96.00
02373	GUARDRAIL END TREATMENT TYPE 3	EACH		\$1,000.00	\$0.00
02369	GUARDRAIL END TREATMENT TYPE 2A	EACH		\$800.00	\$0.00
02381	REMOVE GUARDRAIL	LF		\$2.00	\$0.00
02460	REMOVE TREES OR STUMPS	EACH	6	\$500.00	\$3,000.00

ESTIMATED PROJECT COST (\$) **\$251,839.78**

ESTIMATED MISCELLANEOUS COST @ 15% (\$) **\$37,775.97**

Demobilization (2%) LS 1 \$5,036.80

ESTIMATED PROJECT TOTAL (\$) **\$294,652.54**

ALTERNATE 2B

ITEM CODE	ITEM	UNIT	QUANTITY	UNIT PRICE	ITEM COST	DESCRIPTIONS
	SIGNAGE/OBJECT MARKERS					
06407	SBM ALUM SHEET SIGNS .125 IN	SQFT		\$20.00	\$0.00	
06411	STEEL POST TYPE 2	LF		\$8.00	\$0.00	
02562	SIGNS	SQFT	1,000	\$8.00	\$8,000.00	
	BRIDGE					
20694EN	ALUM. STRUCT. PLATE BC	LF	45	\$2,700.00	\$121,500.00	ALBC
08003	FOUNDATION PREPARATION	LS	1	\$7,000.00	\$7,000.00	
20257NC	SITE PREPARATION	LS	1	\$5,000.00	\$5,000.00	
02555	CONCRETE CLASS B	CY	40	\$350.00	\$14,000.00	
02220	FLOWABLE FILL	CY	120	\$150.00	\$18,000.00	
08665	PRECAST PC BOX BEAM CB33-48	LF		\$335.00	\$0.00	
02731	REMOVE STRUCTURE	LS	1	\$15,000.00	\$15,000.00	
08104	CONCRETE-CLASS AA	CUYD		\$1,000.00	\$0.00	
08151	STEEL REINFORCEMENT-EPOXY COATED	LB	0	\$1.25	\$0.00	
03299	ARMORED EDGE FOR CONCRETE	LF		\$150.00	\$0.00	
08100	CONCRETE-CLASS A	CUYD		\$800.00	\$0.00	
08150	STEEL REINFORCEMENT	LB	0	\$1.00	\$0.00	
	MAINLINE EARTHWORK AND PAVING					
02726	STAKING	LS	1	\$5,000.00	\$5,000.00	
02545	CLEARING AND GRUBBING	LS		\$30,000.00	\$0.00	
02200	ROADWAY EXCAVATION	CUYD		\$9.00	\$0.00	
00003	CRUSHED STONE BASE	TON		\$19.00	\$0.00	
02230	EMBANKMENT IN PLACE	CY	75	\$50.00	\$3,750.00	
00212	CL2 ASPH BASE 1.00D PG64-22	TON	64	\$65.00	\$4,131.11	APPROACHES
00301	CL2 ASPH SURF 0.38D PG64-22	TON	24	\$140.00	\$3,336.67	APPROACHES
02585	EDGE KEY	LF	44	\$50.00	\$2,200.00	
06514	PAVE STRIPING-PERM PAINT-4 IN	LF	880	\$0.20	\$176.00	
06530	PAVE STRIPING REMOVAL-4 IN	LF		\$1.20	\$0.00	
06568	PAVE MARKING-THERMO STOP BAR-24IN	LF		\$10.00	\$0.00	
23232EC	RUMBLE STRIPS-SAWED-12 IN	LF		\$0.28	\$0.00	
06574	PAVE MARKING-THERMO CURV ARROW	EA		\$110.00	\$0.00	
	DRAINAGE					
02483	CHANNEL LINING CLASS II	TON		\$24.00	\$0.00	
02484	CHANNEL LINING CLASS III	TON		\$28.00	\$0.00	
00471	CULVERT PIPE-54 IN	LF		\$250.00	\$0.00	

ALTERNATE 2B

00461	CULVERT PIPE-15 IN	LF		\$65.00	\$0.00	
00470	CULVERT PIPE-48 IN	LF		\$120.00	\$0.00	
00464	CULVERT PIPE-24 IN	LF		\$70.00	\$0.00	
00468	CULVERT PIPE-36 IN	LF		\$100.00	\$0.00	
00466	CULVERT PIPE-30 IN	LF		\$75.00	\$0.00	
00462	CULVERT PIPE-18 IN	LF		\$60.00	\$0.00	
08100	CONCRETE-CLASS A	CUYD		\$800.00	\$0.00	
08150	STEEL REINFORCEMENT	LB		\$1.00	\$0.00	
08100	CONCRETE-CLASS A	CUYD		\$800.00	\$0.00	
08150	STEEL REINFORCEMENT	LB		\$1.00	\$0.00	
02625	REMOVE HEADWALL	EACH		\$500.00	\$0.00	
02237	DITCHING	LF		\$2.00	\$0.00	
01490	DROP BOX INLET TYPE _	EACH		\$2,800.00	\$0.00	
01440	SLOPED BOX INLET-OUTLET TYPE _	EACH		\$1,800.00	\$0.00	
08100	CONCRETE-CLASS A	CUYD		\$500.00	\$0.00	
08150	STEEL REINFORCEMENT	LB		\$1.00	\$0.00	
	MISCELLANEOUS					
02650	MAINTAIN & CONTROL TRAFFIC	LS	1	\$5,000.00	\$5,000.00	
23143ED	KPDES PERMIT AND TEMP EROSION CONTROL	LS	1	\$5,000.00	\$5,000.00	
05985	SEEDING AND PROTECTION	SQYD	4,000	\$0.35	\$1,400.00	
05950	EROSION CONTROL BLANKET	SQYD		\$1.50	\$0.00	
02351	GUARDRAIL-STEEL W BEAM-S FACE	LF	100.0	\$25.00	\$2,500.00	
08801	GUARDRAIL-STEEL W BEAM-S FACE BR	LF	100.0	\$165.00	\$16,500.00	
02360	GUARDRAIL TERMINAL SECTION NO 1	EACH	2	\$150.00	\$300.00	
02367	GUARDRAIL END TREATMENT TYPE 1	EACH	2	\$3,000.00	\$6,000.00	
01982	DELINEATOR FOR GUARDRAIL-WHITE	EACH	8	\$12.00	\$96.00	
02373	GUARDRAIL END TREATMENT TYPE 3	EACH		\$1,000.00	\$0.00	
02369	GUARDRAIL END TREATMENT TYPE 2A	EACH		\$800.00	\$0.00	
02381	REMOVE GUARDRAIL	LF		\$2.00	\$0.00	
02460	REMOVE TREES OR STUMPS	EACH	6	\$500.00	\$3,000.00	

ESTIMATED PROJECT COST (\$) **\$246,889.78**

ESTIMATED MISCELLANEOUS COST @ 15% (\$) **\$37,033.47**

Demobilization (2%) LS 1 \$4,937.80

ESTIMATED PROJECT TOTAL (\$) **\$288,861.04**

ALTERNATE 2C

ITEM CODE	ITEM	UNIT	QUANTITY	UNIT PRICE	ITEM COST	DESCRIPTIONS
	SIGNAGE/OBJECT MARKERS					
06407	SBM ALUM SHEET SIGNS .125 IN	SQFT		\$20.00	\$0.00	
06411	STEEL POST TYPE 2	LF		\$8.00	\$0.00	
02562	SIGNS	SQFT	1,000	\$8.00	\$8,000.00	
	BRIDGE					
	NEW BRIDGE	SF	1,120	\$160.00	\$179,200.00	
08665	PRECAST PC BOX BEAM CB33-48	LF		\$335.00	\$0.00	
02731	REMOVE STRUCTURE	LS	1	\$15,000.00	\$15,000.00	
08104	CONCRETE-CLASS AA	CUYD		\$1,000.00	\$0.00	
08151	STEEL REINFORCEMENT-EPOXY COATED	LB		\$1.25	\$0.00	
03299	ARMORED EDGE FOR CONCRETE	LF		\$150.00	\$0.00	
	MAINLINE EARTHWORK AND PAVING					
02726	STAKING	LS	1	\$15,000.00	\$15,000.00	
02545	CLEARING AND GRUBBING	LS	1	\$15,000.00	\$15,000.00	
02200	ROADWAY EXCAVATION	CUYD	3,000	\$9.00	\$27,000.00	
00003	CRUSHED STONE BASE	TON	269	\$19.00	\$5,112.90	
00212	CL2 ASPH BASE 1.00D PG64-22	TON	191	\$65.00	\$12,393.33	APPROACHES
00301	CL2 ASPH SURF 0.38D PG64-22	TON	88	\$140.00	\$12,345.67	APPROACHES
02585	EDGE KEY	LF	44	\$50.00	\$2,200.00	
06514	PAVE STRIPING-PERM PAINT-4 IN	LF	1,960	\$0.20	\$392.00	
06530	PAVE STRIPING REMOVAL-4 IN	LF		\$1.20	\$0.00	
06568	PAVE MARKING-THERMO STOP BAR-24IN	LF		\$10.00	\$0.00	
23232EC	RUMBLE STRIPS-SAWED-12 IN	LF		\$0.28	\$0.00	
06574	PAVE MARKING-THERMO CURV ARROW	EA		\$110.00	\$0.00	
	DRAINAGE					
02483	CHANNEL LINING CLASS II	TON		\$24.00	\$0.00	
02484	CHANNEL LINING CLASS III	TON	1,500	\$28.00	\$42,000.00	
00471	CULVERT PIPE-54 IN	LF	240	\$250.00	\$60,000.00	

ALTERNATE 2C

00461	CULVERT PIPE-15 IN	LF		\$65.00	\$0.00
00470	CULVERT PIPE-48 IN	LF		\$120.00	\$0.00
00464	CULVERT PIPE-24 IN	LF		\$70.00	\$0.00
00468	CULVERT PIPE-36 IN	LF		\$100.00	\$0.00
00466	CULVERT PIPE-30 IN	LF		\$75.00	\$0.00
00462	CULVERT PIPE-18 IN	LF		\$60.00	\$0.00
08100	CONCRETE-CLASS A	CUYD		\$800.00	\$0.00
08150	STEEL REINFORCEMENT	LB		\$1.00	\$0.00
08100	CONCRETE-CLASS A	CUYD		\$800.00	\$0.00
08150	STEEL REINFORCEMENT	LB		\$1.00	\$0.00
02625	REMOVE HEADWALL	EACH		\$500.00	\$0.00
02237	DITCHING	LF		\$2.00	\$0.00
01490	DROP BOX INLET TYPE _	EACH		\$2,800.00	\$0.00
01440	SLOPED BOX INLET-OUTLET TYPE _	EACH		\$1,800.00	\$0.00
08100	CONCRETE-CLASS A	CUYD		\$500.00	\$0.00
08150	STEEL REINFORCEMENT	LB		\$1.00	\$0.00
	MISCELLANEOUS				
02650	MAINTAIN & CONTROL TRAFFIC	LS	1	\$10,000.00	\$10,000.00
23143ED	KPDES PERMIT AND TEMP EROSION CONTROL	LS	1	\$10,000.00	\$10,000.00
05985	SEEDING AND PROTECTION	SQYD	6,000	\$0.35	\$2,100.00
05950	EROSION CONTROL BLANKET	SQYD		\$1.50	\$0.00
02351	GUARDRAIL-STEEL W BEAM-S FACE	LF	400.0	\$25.00	\$10,000.00
08801	GUARDRAIL-STEEL W BEAM-S FACE BR	LF	100.0	\$165.00	\$16,500.00
02360	GUARDRAIL TERMINAL SECTION NO 1	EACH	4	\$150.00	\$600.00
02367	GUARDRAIL END TREATMENT TYPE 1	EACH	2	\$3,000.00	\$6,000.00
01982	DELINEATOR FOR GUARDRAIL-WHITE	EACH	8	\$12.00	\$96.00
02373	GUARDRAIL END TREATMENT TYPE 3	EACH		\$1,000.00	\$0.00
02369	GUARDRAIL END TREATMENT TYPE 2A	EACH		\$800.00	\$0.00
02381	REMOVE GUARDRAIL	LF		\$2.00	\$0.00
02460	REMOVE TREES OR STUMPS	EACH	10	\$500.00	\$5,000.00

ESTIMATED PROJECT COST (\$) **\$453,939.90**

ESTIMATED MISCELLANEOUS COST @ 15% (\$) **\$68,090.99**

Demobilization (2%) LS 1 \$9,078.80

ESTIMATED PROJECT TOTAL (\$) **\$531,109.68**

ALTERNATE 3

ITEM CODE	ITEM	UNIT	QUANTITY	UNIT PRICE	ITEM COST	DESCRIPTIONS
	SIGNAGE/OBJECT MARKERS					
06407	SBM ALUM SHEET SIGNS .125 IN	SQFT		\$20.00	\$0.00	
06411	STEEL POST TYPE 2	LF		\$8.00	\$0.00	
02562	SIGNS	SQFT	1,000	\$8.00	\$8,000.00	
	BRIDGE					
	NEW BRIDGE	SF	1,440	\$160.00	\$230,400.00	
08665	PRECAST PC BOX BEAM CB33-48	LF		\$335.00	\$0.00	
02731	REMOVE STRUCTURE	LS	1	\$15,000.00	\$15,000.00	
08104	CONCRETE-CLASS AA	CUYD		\$1,000.00	\$0.00	
08151	STEEL REINFORCEMENT-EPOXY COATED	LB		\$1.25	\$0.00	
03299	ARMORED EDGE FOR CONCRETE	LF		\$150.00	\$0.00	
	MAINLINE EARTHWORK AND PAVING					
02726	STAKING	LS	1	\$12,000.00	\$12,000.00	
02545	CLEARING AND GRUBBING	LS	1	\$20,000.00	\$20,000.00	
02200	ROADWAY EXCAVATION	CUYD	3,000	\$9.00	\$27,000.00	
00003	CRUSHED STONE BASE	TON	532	\$19.00	\$10,099.56	
00212	CL2 ASPH BASE 1.00D PG64-22	TON	1,271	\$65.00	\$82,622.22	APPROACHES
00301	CL2 ASPH SURF 0.38D PG64-22	TON	191	\$140.00	\$26,693.33	APPROACHES
02585	EDGE KEY	LF	44	\$50.00	\$2,200.00	
02091	REMOVE PAVEMENT	SQYD	1,039	\$8.00	\$8,311.11	
06514	PAVE STRIPING-PERM PAINT-4 IN	LF	3,320	\$0.20	\$664.00	
06530	PAVE STRIPING REMOVAL-4 IN	LF		\$1.20	\$0.00	
06568	PAVE MARKING-THERMO STOP BAR-24IN	LF		\$10.00	\$0.00	
23232EC	RUMBLE STRIPS-SAWED-12 IN	LF		\$0.28	\$0.00	
06574	PAVE MARKING-THERMO CURV ARROW	EA		\$110.00	\$0.00	
	DRAINAGE					
02483	CHANNEL LINING CLASS II	TON		\$24.00	\$0.00	
02484	CHANNEL LINING CLASS III	TON		\$28.00	\$0.00	
00471	CULVERT PIPE-54 IN	LF		\$250.00	\$0.00	

ALTERNATE 3

00461	CULVERT PIPE-15 IN	LF		\$65.00	\$0.00	
00470	CULVERT PIPE-48 IN	LF		\$120.00	\$0.00	
00464	CULVERT PIPE-24 IN	LF		\$70.00	\$0.00	
00468	CULVERT PIPE-36 IN	LF		\$100.00	\$0.00	
00466	CULVERT PIPE-30 IN	LF		\$75.00	\$0.00	
00462	CULVERT PIPE-18 IN	LF		\$60.00	\$0.00	
08100	CONCRETE-CLASS A	CUYD		\$800.00	\$0.00	
08150	STEEL REINFORCEMENT	LB		\$1.00	\$0.00	
08100	CONCRETE-CLASS A	CUYD		\$800.00	\$0.00	
08150	STEEL REINFORCEMENT	LB		\$1.00	\$0.00	
02625	REMOVE HEADWALL	EACH		\$500.00	\$0.00	
02237	DITCHING	LF	1,500	\$2.00	\$3,000.00	
01490	DROP BOX INLET TYPE _	EACH		\$2,800.00	\$0.00	
01440	SLOPED BOX INLET-OUTLET TYPE _	EACH		\$1,800.00	\$0.00	
08100	CONCRETE-CLASS A	CUYD		\$500.00	\$0.00	
08150	STEEL REINFORCEMENT	LB		\$1.00	\$0.00	
	MISCELLANEOUS					
02650	MAINTAIN & CONTROL TRAFFIC	LS	1	\$10,000.00	\$10,000.00	
23143ED	KPDES PERMIT AND TEMP EROSION CONTROL	LS	1	\$5,000.00	\$5,000.00	
05985	SEEDING AND PROTECTION	SQYD	6,000	\$0.35	\$2,100.00	
05950	EROSION CONTROL BLANKET	SQYD		\$1.50	\$0.00	
02351	GUARDRAIL-STEEL W BEAM-S FACE	LF	100.0	\$25.00	\$2,500.00	
08801	GUARDRAIL-STEEL W BEAM-S FACE BR	LF	120.0	\$165.00	\$19,800.00	
02360	GUARDRAIL TERMINAL SECTION NO 1	EACH	2	\$150.00	\$300.00	
02367	GUARDRAIL END TREATMENT TYPE 1	EACH	2	\$3,000.00	\$6,000.00	
01982	DELINEATOR FOR GUARDRAIL-WHITE	EACH	8	\$12.00	\$96.00	
02373	GUARDRAIL END TREATMENT TYPE 3	EACH		\$1,000.00	\$0.00	
02369	GUARDRAIL END TREATMENT TYPE 2A	EACH		\$800.00	\$0.00	
02381	REMOVE GUARDRAIL	LF		\$2.00	\$0.00	
02460	REMOVE TREES OR STUMPS	EACH		\$500.00	\$0.00	

ESTIMATED PROJECT COST (\$) **\$491,786.22**

ESTIMATED MISCELLANEOUS COST @ 15% (\$) **\$73,767.93**

Demobilization (2%) LS 1 \$9,835.72

ESTIMATED PROJECT TOTAL (\$) **\$575,389.88**

Filters for Collision Data

County: Rockcastle Route: 102-KY-1787 -000

Mile Point Range: 2.5 to 4.5

Time Range: 2000 to 2012

Severity: All

MSTRFILE NBRTXT	COUNT YCDE	COUNTY	HWYD IST	KSP	RDWYRSEU NIQGISTXT	MILEPT DERIVE CURRN MB	LATDECIM ALNMB	LONGDECI MALNMB	MANNER COLL	CDATE	COLLTIME TXT	RDWYCHAR	RDWYCO ND	WEATHER	UNITTYPE _U1	EVENTCOLL WITHFIRST_ U1	EVENTCO LLWITHSE C_U1	PRECOLLACT_U1
70177113	102	ROCKCAS TLE	8	11	102-KY- 1787 -000	4.235	37.49262	-84.2552	SINGLE VEHICLE	20041202	2330	CURVE & LEVEL	DRY	CLOUDY	LT TRUCK(VA N/SPORTS UTILITY/PI CKUP)	CULVERT/HE AD WALL	OVERTUR NED	GOING STRAIGHT AHEAD
70552445	102	ROCKCAS TLE	8	11	102-KY- 1787 -000	3.164	37.4892	-84.2567	SINGLE VEHICLE	20080405	2106	CURVE & HILLCREST	WET	CLOUDY	LT TRUCK(VA N/SPORTS UTILITY/PI CKUP)	TREE		GOING STRAIGHT AHEAD

102B00053N

KYTC Bridge Inspection Report

Summary:

Inspection Date: 9/8/10
 Inspector: LLINKES (135)
 Primary Type: Standard (24 Months)

Types of Inspections Performed:

National Bridge Inventory: Y
 Element: Y
 Fracture Critical: N
 Underwater: N
 Other Special: N

District Review Date: 11/22/11

Inspector Signature: _____

District Reviewer: JCOE (24) _____

IDENTIFICATION

Bridge ID (8):	102B00053N MAP BRIDGE	District Number:	8
Route Carried (7):	KY-1787	County (3):	102 Rockcastle
Mile Point:	3.634	Feature Intersected (6):	DAVIS BRANCH
Location (9):	1.8 MI SE OF JCT KY 1617	Road Name:	DISPUTANTA RD
Structure Description:	32.15 Foot - 2 Span Concrete Slab		

NBI CONDITION

SCHEDULE TAB

Deck (58):	6	Schedule:	Required (Y/N)	Last Date	Frequency	Next Date
Superstructure (59):	6	NBI (90):		9/8/10	(91): 24 mos	9/8/12
Substructure (60):	4	Fracture Critical (92A):	N	(93A): 1/1/01	(92A): mos	1/1/01
Culverts (62):	N	Underwater (92B):	N	(93B): 1/1/01	(92B): mos	1/1/01
Channel/Protection (61):	4	Other Special (92C):	N	(93C): 1/1/01	(92C): mos	1/1/01
		Elemental:	NA		24 mos	9/8/12

Load Rating and Posting

Truck Type	Typ I	Typ II	Typ III	Typ IV	Gross
Recomm. Posting:	-1	-1	-1	-1	-1
Field Posting:	-1	-1	-1	-1	-1
Posting Status (41):	A Open, no restriction				
Signs Posted:	Cardinal:	N	Non-Cardinal:	N	

WATERWAY

Scour Critical (113):	8
Observed 113 Rating:	4
Waterway Adeq. (71):	6

DECK/WEARING SURFACE

Deck Type (107):	1 Concrete-Cast-In-Place				
Wearing Surface/Protective System (108):	Type: 6	Membrane: 0	Protection: 0		
Traffic Safety Features (36):	Bridge Rail: 0	Transition: 0	Appr. Rail: 0	Rail Ends: 0	
Overlay:	Y				
Overlay Type:	Asphalt				
Overlay Thickness:	2.01				

Vertical Clearances

Minimum Vertical Overclearance (53):	99.99
Minimum Vertical Underclearance (54):	0
Maximum Vertical Clearance (10):	99.99
Minimum Vertical Clearance:	99.99

Sufficiency Ratings

SR:	30.6	SD/FO:	1 Structurally Deficient
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Element Condition State Data

Elm/Env	Description	Units	Total Qty.	Qty. CS1	Qty. CS2	Qty. CS3	Qty. CS4	Qty. CS5
210/1	R/Conc Pier Wall	LF	21	12	9	0	0	0
215/1	R/Conc Abutment	LF	50	16	25	9	0	0

102B00053N

KYTC Bridge Inspection Report

Summary:

Inspection Date: 9/8/10

Inspector: LLINKES (135)

Primary Type: Standard (24 Months)

Types of Inspections Performed:

National Bridge Inventory:	Y
Element:	Y
Fracture Critical:	N
Underwater:	N
Other Special:	N

Element Condition State Data

Elm/Env	Description	Units	Total Qty.	Qty. CS1	Qty. CS2	Qty. CS3	Qty. CS4	Qty. CS5
361/1	Scour Smart Flag	EA	1	0	1	0	0	0
39/1	Unp Conc Slab/AC Ovl	SF	589	0	589	0	0	0
611/1	Embankment Erosion	EA	1	0	0	1	0	0
612/1	Chan Algn	EA	1	0	1	0	0	0

Element Condition State Data

Str Unit	Elm/Env	Description	Description
1	210/1	R/Conc Pier Wall	< none >
1	215/1	R/Conc Abutment	Whetstone abutments need pointed. A-1 abut. concrete footer is broken and has settled due to scour and erosion. This need immediate attention.
1	361/1	Scour Smart Flag	SCOUR PRESENT AT ABUT 1 FOOTER THAT EXTENDS ACROSS THE LENGTH OF THE FOOTER AND ALSO AT P2'S FOOTER. NOTE THAT THE SCOUR, AT TIME OF INSPECTION IS DOWN TO A SOLID ROCK FOUNDATION. Scour and erosion continues to undermine the footers, causing a settling of abut. 1 on the downstream side of the bridge. Needs attention.
1	39/1	Unp Conc Slab/AC Ovl	CONC SLAB IS ROUGH AND SCATTERED W/DIRT AND DEBRIS. THERE ARE NUMEROUS CRACKS, TOPSIDE, W/THE BOTTOM OF THE SLAB DEVELOPING SEVERAL FINE CRACKS AS WELL.
1	611/1	Embankment Erosion	MODERATE EROSION AT BOTH ABUTMENTS. Rock has been laid around abut wings but erosion continues to be a problem. Additional backfill is needed.
1	612/1	Chan Algn	Alignment is poor. Channel is eroding up and downstream banks. Stream flow is migrating.

BRIDGE.Notes

Work Candidates

Inspector Candidates:

Candidate ID:	Status	Priority	Assigned	Action	Elem	Date Recommended
A-KYTC-145849D1-00000000	Approved	High	Unassigned	61	611	9/8/10
A-KYTC-145849D1-00000002	Approved	High	Unassigned	24	361	9/8/10
A-KYTC-145849D1-00000004	Approved	High	Unassigned	31	215	9/8/10

Structure Inventory and Appraisal Sheet (English Units)

Bridge Key: 12323

Agency ID: 102B00053N

SR: 30.6

SD/FO: SD

IDENTIFICATION

State 1: 21 Kentucky Struc Num 8: 102B00053N
 Facility Carried 7: KY-1787 Location 9: 1.8 MI SE OF JCT KY 1617
 Rte.(On/Under)5A: Route On Structure Rte. Signing Prefix 5B: 3 State Hwy
 Level of Service 5C: 1 Mainline Rte. Number 5D: 01787
 Directional Suffix 5E: 0 N/A (NBI) % Responsibility : Unknown
 SHD District 2: District 8 County Code 3: Rockcastle (102)
 Place Code 4: FIPS 0000 Mile Post 11: 3.634 mi
 Feature Intersected 6: DAVIS BRANCH
 Latitude 16: 37d 29' 40" Longitude 17: 084d 15' 31"
 Border Bridge Code 98: Unknown (P)
 Border Bridge Number 99:

INSPECTION

Frequency 91: 24 months Inspection Date 90: 9/8/2010 Next Inspection: 09/08/2012
 FC Frequency 92A: NA FC Inspection Date 93A: NA Next FC Inspection: NA
 UW Frequency 92B: NA UW Inspection Date 93B: NA Next UW Inspection: NA
 SI Frequency 92C: NA SI Date 93C: NA Next SI: NA
 Element Frequency: 24 months Element Inspection Date: 09/08/2010 Next Elem. Insp. Due: 09/08/2012

CLASSIFICATION

Defense Highway 100: 0 Not a STRAHNET hwy Parallel Structure 101: No || bridge exists
 Direction of Traffic 102: 2 2-way traffic Temporary Structure 103: Not Applicable (P)
 Highway System 104: 0 Not on NHS NBIS Length 112: Long Enough
 Toll Facility 20: 3 On free road Functional Class 26: 08 Rural min Collector
 Defense Hwy 110: 0 Not a STRAHNET hwy Historical Significance 37: 5 Not eligible for NRHP
 Owner 22: 01 State Highway Agency
 Custodian 21: 01 State Highway Agency

STRUCTURE TYPE AND MATERIALS

Number of Approach Spans 46: 0 Number of Spans Main Unit 45: 2
 Main Span Material/Design 43A/B:
 1 Concrete 01 Slab
 Deck Type 107: 1 Concrete-Cast-in-Place
 Wearing Surface 108A: 6 Bituminous
 Membrane 108B: 0 None
 Deck Protection 108C: None

CONDITION

Deck 58: 6 Satisfactory Super 59: 6 Satisfactory Sub 60: 4 Poor
 Culvert 62: N/A (NBI) Channel/Channel Protection 61: 4 Protection Undermined

LOAD RATING AND POSTING

Inventory Rating Method 65: 1 LF Load Factor Operating Rating Method 63: 1 LF Load Factor
 Inventory Rating 66: HS8.3 Operating Rating 64: HS13.9
 Design Load 31: 2 M 13.5 (H 15) Posting 70: 5 At/Above Legal Loads
 Posting status 41: A Open, no restriction

AGE AND SERVICE

Year Built 27: 1935 Year Reconstructed 106: 0
 Type of Service on 42A: 1 Highway
 Type of Service under 42B: 5 Waterway
 Lanes on 28A: 2 Lanes Under 28B: 0 Detour Length 19: 6.2 mi
 ADT 29: 170 Truck ADT 109: % Year of ADT 30: 2011

APPRAISAL

Bridge Rail 36A: 0 Substandard Approach Rail 36C: 0 Substandard
 Transition 36B: 0 Substandard Approach Rail Ends 36D: 0 Substandard
 Str. Evaluation 67: 4 Deck Geometry 68: 4 Tolerable
 Underclearance, Vertical and Horizontal 69: N Not applicable (NBI)
 Waterway Adequacy 71: 6 Equal Minimum Approach Alignment 72: 8 Equal Desirable Crit
 Scour Critical 113: 8 Stable Above Footing

GEOMETRIC DATA

Length Max Span 48: 17.1 ft Structure Length 49: 32.2 ft
 Curb/Sdwk Width L 50A: 0.0 ft Curb/Sidewalk Width R 50B: 0.0 ft
 Width Curb to Curb 51: 20.0 ft Width Out to Out 52: 22.0 ft
 Approach Roadway Width 32: 18.0 ft Median 33: 0 No median
 (w/ shoulders)
 Deck Area: 706.8 sq. ft
 Skew 34: 0.00 ° Structure Flared 35: 0 No flare
 Vertical Clearance 10: 99.99 ft Horiz. Clearance 47: 19.69 ft
 Minimum Vertical Clearance Over Bridge 53: 328.1 ft
 Minimum Vertical Underclearance Reference 54A: N Feature not hwy or RR
 Minimum Vertical Underclearance 54B: 0.0 ft
 Minimum Lateral Underclearance Reference R 55A: N Feature not hwy or RR
 Minimum Lateral Underclearance R 55: 0.0 ft
 Minimum Lateral Underclearance L 56: 0.0 ft

PROPOSED IMPROVEMENTS

Bridge Cost 94: \$ 0 Type of Work 75: Unknown (P)
 Roadway Cost 95: \$ 0 Length of Improvement 76: 0.0 ft
 Total Cost 96: \$ 0 Future ADT 114: 207
 Year of Cost Estimate 97: Unknown Year of Future ADT 115: 2031

NAVIGATION DATA

Navigation Control 38: 0 Permit Not Required
 Vertical Clearance 39: 0.0 ft Horizontal Clearance 40: 0.0 ft
 Pier Protection 111: Not Applicable (P) Lift Bridge Vertical Clearance 116:

ELEMENT CONDITION STATE DATA

Str Unit	Elm/Env	Description	Units	Total Qty	% in 1	Qty. St. 1	% in 2	Qty. St. 2	% in 3	Qty. St. 3	% in 4	Qty. St. 4	% in 5	Qty. St. 5
1	39/1	Unp Conc Slab/AC Ovl	(SF)	589	0 %	0	100 %	589	0 %	0	0 %	0	0 %	0
1	210/1	R/Conc Pier Wall	(LF)	21	57 %	12	43 %	9	0 %	0	0 %	0	0 %	0
1	215/1	R/Conc Abutment	(LF)	50	32 %	16	50 %	25	18 %	9	0 %	0	0 %	0
1	361/1	Scour Smart Flag	(EA)	1	0 %	0	100 %	1	0 %	0	0 %	0	0 %	0
1	611/1	Embankment Erosion	(EA)	1	0 %	0	0 %	0	100 %	1	0 %	0	0 %	0
1	612/1	Chan Algn	(EA)	1	0 %	0	100 %	1	0 %	0	0 %	0	0 %	0

Structure Inventory and Appraisal Sheet (English Units)

Str Unit	Elm/Env	Description	Element Notes
1	39/1	Concrete Slab - Unprotected w/ AC	CONC SLAB IS ROUGH AND SCATTERED W/DIRT AND DEBRIS. THERE ARE NUMEROUS CRACKS, TOPSIDE, W/THE BOTTOM OF THE SLAB DEVELOPING SEVERAL FINE CRACKS AS WELL.
1	210/1	Reinforced Conc Pier Wall	< none >
1	215/1	Reinforced Conc Abutment	Whetstone abutments need pointed. A-1 abut. concrete footer is broken and has settled due to scour and erosion. This need immediate attention.
1	361/1	Scour	SCOUR PRESENT AT ABUT 1 FOOTER THAT EXTENDS ACROSS THE LENGTH OF THE FOOTER AND ALSO AT P2'S FOOTER. NOTE THAT THE SCOUR, AT TIME OF INSPECTION IS DOWN TO A SOLID ROCK FOUNDATION. Scour and erosion continues to undermine the footers, causing a settling of abut. 1 on the downstream side of the bridge. Needs attention.
1	611/1	Embankment Erosion	MODERATE EROSION AT BOTH ABUTMENTS. Rock has been laid around abut wings but erosion continues to be a problem. Additional backfill is needed.
1	612/1	Channel Alignment	Alignment is poor. Channel is eroding up and downstream banks. Stream flow is migrating.

BRIDGE NOTES

PAST INSPECTION

Inspection Date: 09/08/2010 Type: 2 Standard (24 months)
 Inspector: LLINKES Pontis User Key: LLINKES - Lana L
 Scope:
 NBI: ☒ Other: ☐ Element: ☒
 Underwater: ☐ Fracture Critical: ☐

INSPECTION NOTES