

2025 Dollars (Bid-Based only, no factors)

Build Concept	Length	D	R	U	C	DRUC
A. KY 139 Widening	9.0 mi				\$32,200,000	\$47,000,000
A1 North (KY 124 to I-24)	6.9 mi	\$2,900,000	\$950,000	\$5,200,000	\$19,000,000	\$28,000,000
A2 Central (KY 124 to US 68X)	0.7 mi	\$330,000	\$500,000	\$900,000	\$2,200,000	\$4,000,000
A3 South (US 68X to US 68)	1.4 mi	\$1,700,000	\$600,000	\$1,700,000	\$11,000,000	\$15,000,000
A. KY 276 Widening	10.9 mi				\$46,000,000	\$60,000,000
A4 North of Wallonia	5.5 mi	\$3,800,000	\$1,125,000	\$2,800,000	\$25,000,000	\$33,000,000
A5 South of Wallonia	5.4 mi	\$3,200,000	\$800,000	\$2,700,000	\$21,000,000	\$28,000,000
B1. Striping KY 139/KY 276/KY 93	Int	\$10,000	\$0	\$0	\$70,000	\$80,000
B2. Profile by KY 139/KY 276/KY 93	0.3 mi	\$170,000	\$150,000	\$0	\$1,100,000	\$1,400,000
C. KY 139/KY 276/Hurricane Int.	Int	\$180,000	\$400,000	\$100,000	\$1,200,000	\$1,900,000
D1. Brown St Minor Widening	300 ft	\$20,000	\$150,000	\$100,000	\$30,000	\$300,000
D3. Brown St Realignment (straight)	0.4 mi	\$330,000	\$750,000	\$750,000	\$2,200,000	\$4,000,000
D4. Brown St Realignment (offset)	0.4 mi	\$320,000	\$850,000	\$750,000	\$2,100,000	\$4,000,000
E2. Jefferson extend sidewalks	0.4 mi	\$120,000	\$500,000	\$200,000	\$800,000	\$1,600,000
F. Jefferson Hamilton Curve	400 ft	\$50,000	\$300,000	\$100,000	\$300,000	\$750,000
G. KY 276/KY 128 Minor Widening	140 ft	\$10,000	\$150,000	\$0	\$40,000	\$200,000
H. KY 276/KY 124 Profile (flooding)	Int.	\$150,000	\$200,000	\$300,000	\$1,000,000	\$1,700,000
I. KY 276 Milling at Campground	0.3 mi	\$40,000	\$0	\$100,000	\$60,000	\$200,000
J. Widening at Reservoir	700 ft	\$20,000	\$200,000	\$100,000	\$100,000	\$420,000
K. Andrew Merrick	100 ft	\$0	\$0	\$0	\$30,000	\$30,000
L. Curve Widening	0.5 mi	\$39,000	\$250,000	\$200,000	\$260,000	\$700,000

Escalated for Risk-Based Contingencies

Build Concept	D	R	U	C	DRUC
A. KY 139 Widening					\$55,000,000
A1 North (KY 124 to I-24)	\$3,500,000	\$950,000	\$5,200,000	\$23,000,000	\$33,000,000
A2 Central (KY 124 to US 68X)	\$400,000	\$500,000	\$900,000	\$2,800,000	\$4,600,000
A3 South (US 68X to US 68)	\$2,000,000	\$600,000	\$1,700,000	\$13,000,000	\$17,000,000
A. KY 276 Widening					\$68,000,000
A4 North of Wallonia	\$4,400,000	\$1,125,000	\$2,800,000	\$29,000,000	\$37,000,000
A5 South of Wallonia	\$3,600,000	\$800,000	\$2,700,000	\$24,000,000	\$31,000,000
B1. Striping KY 139/KY 276/KY 93	\$10,000	\$0	\$0	\$90,000	\$100,000
B2. Profile by KY 139/KY 276/KY 93	\$200,000	\$150,000	\$0	\$1,300,000	\$1,700,000
C. KY 139/KY 276/Hurricane Int.	\$200,000	\$400,000	\$100,000	\$1,500,000	\$2,200,000
D1. Brown St Minor Widening	\$20,000	\$150,000	\$100,000	\$60,000	\$330,000
D3. Brown St Realignment (straight)	\$400,000	\$750,000	\$750,000	\$2,700,000	\$4,600,000
D4. Brown St Realignment (offset)	\$400,000	\$850,000	\$750,000	\$2,700,000	\$4,700,000
E2. Jefferson extend sidewalks	\$200,000	\$500,000	\$200,000	\$1,000,000	\$1,900,000
F. Jefferson Hamilton Curve	\$60,000	\$300,000	\$100,000	\$400,000	\$900,000
G. KY 276/KY 128 Minor Widening	\$10,000	\$150,000	\$0	\$70,000	\$200,000
H. KY 276/KY 124 Profile (flooding)	\$210,000	\$200,000	\$300,000	\$1,400,000	\$2,100,000
I. KY 276 Milling at Campground	\$40,000	\$0	\$100,000	\$100,000	\$200,000
J. Widening at Reservoir	\$30,000	\$200,000	\$100,000	\$200,000	\$500,000
K. Andrew Merrick	\$0	\$0	\$0	\$30,000	\$30,000
L. Curve Widening	\$60,000	\$250,000	\$200,000	\$400,000	\$900,000

Benefits	BCA
\$49,802,343	1.5
\$993,861	0.2
\$511,805	0
	0
\$7,015,764	0.2
\$14,829,527	0.5
\$3,291,599	32.9
\$1,988,248	1.2
\$169,960	0.1
\$1,875,245	5.7
\$4,632,000	1.0
\$4,632,000	1.0
NA	
\$471,800	0.5
\$30,940	0.2
\$5,139,131	2.4
\$289,020	1.4
\$47,600	0.1
\$0	0
\$457,044	0.5

Escalated for Risk-Based and Time-based Contingencies

Assumed increase per year increase: **4%**

Build Concept Factor	D		R		U		C		DRUC
	YEAR	Amt	YEAR	Amt	YEAR	Amt	YEAR	Amt	
A. KY 139 Widening									Rounded
A1 North (KY 124 to I-24)	2028	\$3,900,000	2030	\$1,100,000	2032	\$6,700,000	2034	\$31,000,000	\$43,000,000
A2 Central (KY 124 to US 68X)	2034	\$500,000	2036	\$700,000	2038	\$1,400,000	2040	\$4,500,000	\$7,100,000
A3 South (US 68X to US 68)	2034	\$2,700,000	2036	\$900,000	2038	\$2,600,000	2040	\$21,000,000	\$27,000,000
A. KY 276 Widening									
A4 North of Wallonia	2030	\$5,300,000	2032	\$1,400,000	2034	\$3,800,000	2036	\$42,000,000	\$53,000,000
A5 South of Wallonia	2034	\$4,900,000	2036	\$1,200,000	2038	\$4,100,000	2040	\$38,000,000	\$48,000,000
B1. Striping KY 139/KY 276/KY 93								Not 6YP\$	\$100,000
B2. Profile by KY 139/KY 276/KY 93	2028	\$200,000	2030	\$180,000	2030		2032	\$1,700,000	\$2,100,000
C. KY 139/KY 276/Hurricane Int.	2030	\$200,000	2032	\$500,000	2032	\$100,000	2034	\$2,000,000	\$2,800,000
D1. Brown St Minor Widening								Not 6YP\$	\$330,000
D3. Brown St Realignment (straight)	2034	\$500,000	2036	\$1,100,000	2038	\$1,100,000	2040	\$4,300,000	\$7,000,000
D4. Brown St Realignment (offset)	2034	\$500,000	2036	\$1,200,000	2038	\$1,100,000	2040	\$4,300,000	\$7,100,000
E2. Jefferson extend sidewalks	2034	\$300,000	2036	\$700,000	2038	\$300,000	2040	\$1,600,000	\$2,900,000
F. Jefferson Hamilton Curve								Not 6YP\$	\$900,000
H. KY 276/KY 124 Profile (flooding)	2028	\$200,000	2029	\$200,000	2029	\$300,000	2030	\$1,700,000	\$2,400,000
I. KY 276 Milling at Campground								Not 6YP\$	\$200,000
J1. Widening at Reservoir								Not 6YP\$	\$500,000
K. Andrew Merrick								Not 6YP\$	\$30,000
L. Curve Widening								Not 6YP\$	\$900,000

Generally, started high priorities in 2028, Med 2030, Low 2034. Plus 1-2 years between phases depending on size.

Concept: **A1 KY 139 RECONSTRUCTION TO 45 MPH**
 Description: Widen to 11/4 & improve alignment to meet 45 mph north of KY 124

BMP: 17.900 Trigg
 EMP: 0.200 Caldwell
 Length (mi): 6.920

	Length	Width (PR)	Notes
Bridge(s)	-		B59 (Muddy Fork) is 40 ft wide
Mainline/Paved	36408	30	
Approach Roads	-		

Calculations	Item	Unit	Unit Cost	Quantity	Cost	Totals
Mainline Pavement						\$ 6,842,675
00221	Asphalt Base	TON	\$ 110.00	42,595	\$ 4,685,450	
00301	Asphalt Surface	TON	\$ 105.00	10,649	\$ 1,118,145	
0001	DGA	TON	\$ 35.00	29,688	\$ 1,039,080	
Striping						\$ 308,960
6542	PAVE STRIPING-THERMO-6 IN W	LF	\$ 1.25	78,095	\$ 97,619	
6543	PAVE STRIPING-THERMO-6 IN Y	LF	\$ 1.25	78,095	\$ 97,619	
2351	GUARDRAIL-STEEL W BEAM-S FACE	LF	\$ 40.00	1,043	\$ 41,722	
2367	GUARDRAIL END TREATMENT TYPE 1	EA	\$ 4,500.00	16	\$ 72,000	
					\$ -	
Other						\$ 2,376,575
2200	EXCAVATION	CY	\$ 22.50	105,626	\$ 2,376,575	
2230	EMBANKMENT	CY		89,541	\$ -	
	STRUCTURE	SF	\$ 250.00	0	\$ -	
					\$ -	
Parametric						\$ 5,049,951
	DRAINAGE	LS	20%		\$ 1,905,642	
2569	MOBILIZATION/DEMOBILIZATION	LS	5%		\$ 476,410	
2650	MAINTAIN & CONTROL TRAFFIC	LS	3%		\$ 285,846	
	MISCELLANEOUS	LS	25%		\$ 2,382,052	
General Contingency						\$ 4,373,448
	Contingency	LS	30%		\$ 4,373,448	
Construction (Unfactored, in Current Year Dollars)						\$18,951,609
From District						
	RIGHT-OF-WAY				\$ 950,000	
	UTILITIES				\$ 5,200,000	
Risk-Based Contingency Factors (50% Likelihood Each)						\$ 4,378,791
	Environmental	15%	earthwork	2,376,575	\$ 178,243	
	Geotechnical	30%	earthwork	2,376,575	\$ 356,486	
	ROW	30%	ROW	950,000	\$ 142,500	
	Utility	30%	utilities	5,200,000	\$ 780,000	
	Scope change	20%	construction	18,951,609	\$ 1,895,161	
	Construction	30%	pavement	6,842,675	\$ 1,026,401	
Construction (with Risk-Based Contingencies, in Current Year Dollars)						\$23,330,400

Concept: **A2 KY 139 RECONSTRUCTION TO 45 MPH**
 Description: Widen to 11/4 & improve alignment to meet 45 mph, Lafayette to KY 124

BMP: 17.177
 EMP: 17.900
 Length (mi): 0.723

	Length	Width (PR)	Notes
Bridge(s)	-		
Mainline/Paved	3876	30	
Approach Roads	-		

Calculations	Item	Unit	Unit Cost	Quantity	Cost	Totals
Mainline Pavement						\$ 684,964
00221	Asphalt Base	TON	\$ 110.00	4,264	\$ 469,025	
00301	Asphalt Surface	TON	\$ 105.00	1,066	\$ 111,926	
0001	DGA	TON	\$ 35.00	2,972	\$ 104,012	
Striping						\$ 19,381
6542	PAVE STRIPING-THERMO-6 IN W	LF	\$ 1.25	7,752	\$ 9,691	
6543	PAVE STRIPING-THERMO-6 IN Y	LF	\$ 1.25	7,752	\$ 9,691	
2351	GUARDRAIL-STEEL W BEAM-S FACE	LF	\$ 40.00	0	\$ -	
2367	GUARDRAIL END TREATMENT TYPE 1	EA	\$ 4,500.00	0	\$ -	
					\$ -	
Other						\$ 405,364
2200	EXCAVATION	CY	\$ 22.50	18,016	\$ 405,364	
2230	EMBANKMENT	CY		2,071	\$ -	
	STRUCTURE	SF	\$ 250.00	0	\$ -	
					\$ -	
Parametric						\$ 588,146
	DRAINAGE	LS	20%		\$ 221,942	
2569	MOBILIZATION/DEMOBILIZATION	LS	5%		\$ 55,485	
2650	MAINTAIN & CONTROL TRAFFIC	LS	3%		\$ 33,291	
	MISCELLANEOUS	LS	25%		\$ 277,427	
General Contingency						\$ 509,357
	Contingency	LS	30%		\$ 509,357	
Construction (Unfactored, in Current Year Dollars)						\$ 2,207,212
From District						
	RIGHT-OF-WAY				\$ 500,000	
	UTILITIES				\$ 900,000	
Risk-Based Contingency Factors (50% Likelihood Each)						\$ 624,673
	Environmental	15%	earthwork	405,364	\$ 30,402	
	Geotechnical	30%	earthwork	405,364	\$ 60,805	
	ROW	30%	ROW	500,000	\$ 75,000	
	Utility	30%	utilities	900,000	\$ 135,000	
	Scope change	20%	construction	2,207,212	\$ 220,721	
	Construction	30%	pavement	684,964	\$ 102,745	
Construction (with Risk-Based Contingencies, in Current Year Dollars)						\$ 2,831,884

Concept: **A3 KY 139 RECONSTRUCTION TO 45 MPH**
 Description: Widen to 11/4 & improve alignment to meet 45 mph, US 68 to US 68X

BMP: 15.285
 EMP: 16.700
 Length (mi): 1.42

	Length	Width (PR)	Notes
Bridge(s)	358	32	B14 (Little River, Historic) is 28 ft wide
Mainline/Paved	7386	30	
Approach Roads	-		

Calculations	Item	Unit	Unit Cost	Quantity	Cost	Totals
Mainline Pavement						\$ 1,296,619
00221	Asphalt Base	TON	\$ 110.00	8,125	\$ 893,753	
00301	Asphalt Surface	TON	\$ 105.00	2,031	\$ 213,282	
0001	DGA	TON	\$ 35.00	5,417	\$ 189,584	
Striping						\$ 77,039
6542	PAVE STRIPING-THERMO-6 IN W	LF	\$ 1.25	14,773	\$ 18,466	
6543	PAVE STRIPING-THERMO-6 IN Y	LF	\$ 1.25	14,773	\$ 18,466	
2351	GUARDRAIL-STEEL W BEAM-S FACE	LF	\$ 40.00	553	\$ 22,107	
2367	GUARDRAIL END TREATMENT TYPE 1	EA	\$ 4,500.00	4	\$ 18,000	
					\$ -	
Other						\$ 4,169,662
2200	EXCAVATION	CY	\$ 22.50	56,554	\$ 1,272,458	
2230	EMBANKMENT	CY		14,263	\$ -	
	STRUCTURE	SF	\$ 250.00	11,589	\$ 2,897,204	
					\$ -	
Parametric						\$ 2,937,959
	DRAINAGE	LS	20%		\$ 1,108,664	
2569	MOBILIZATION/DEMOBILIZATION	LS	5%		\$ 277,166	
2650	MAINTAIN & CONTROL TRAFFIC	LS	3%		\$ 166,300	
	MISCELLANEOUS	LS	25%		\$ 1,385,830	
General Contingency						\$ 2,544,384
	Contingency	LS	30%		\$ 2,544,384	
Construction (Unfactored, in Current Year Dollars)						\$ 11,025,662
From District						
	RIGHT-OF-WAY					\$ 600,000
	UTILITIES					\$ 1,700,000
Risk-Based Contingency Factors (50% Likelihood Each)						\$ 1,928,362
	Environmental	15%	earthwork	1,272,458	\$ 95,434	
	Geotechnical	30%	earthwork	1,272,458	\$ 190,869	
	ROW	30%	ROW	600,000	\$ 90,000	
	Utility	30%	utilities	1,700,000	\$ 255,000	
	Scope change	20%	construction	11,025,662	\$ 1,102,566	
	Construction	30%	pavement	1,296,619	\$ 194,493	
Construction (with Risk-Based Contingencies, in Current Year Dollars)						\$ 12,954,024

Concept: **A4 KY 139 RECONSTRUCTION TO 45 MPH**
 Description: Widen to 11/4 & improve alignment to meet 45 mph, KY 139 to Wallonia

MP Limits: KY 276 MP 0.000-2.411 Caldwell

MP Limits: KY 276 MP 5.888-8.701 Trigg

MP Limits: KY 128 MP 9.078-9.334 Trigg

Length (mi): 5.480

	Length	Width (PR)	Notes on Ex Bridges
Bridge(s)	607	32	B92 (Long Pond Br) is 30ft x 92ft - do not replace
Mainline/Paved	29,457	30	B66 (I-24 EB) is 28ft x 165ft
Approach Roads			B86 (I-24 WB) is 28ft x 165ft
			B2 (Kenady Cr, Historic) is 22ft x 132ft
			B5 (Muddy Fork) is 23ft x 145ft

Calculations	Item	Unit	Unit Cost	Quantity	Cost	Totals
Mainline Pavement						\$ 5,415,005
00221	Asphalt Base	TON	\$ 110.00	33,708	\$ 3,707,880	
00301	Asphalt Surface	TON	\$ 105.00	8,427	\$ 884,835	
0001	DGA	TON	\$ 35.00	23,494	\$ 822,290	
Striping						\$ 325,296
6542	PAVE STRIPING-THERMO-6 IN W	LF	\$ 1.25	64,195	\$ 80,243	
6543	PAVE STRIPING-THERMO-6 IN Y	LF	\$ 1.25	64,195	\$ 80,243	
2351	GUARDRAIL-STEEL W BEAM-S FACE	LF	\$ 40.00	1,870	\$ 74,810	
2367	GUARDRAIL END TREATMENT TYPE 1	EA	\$ 4,500.00	20	\$ 90,000	
					\$ -	
Other						\$ 6,755,006
2200	EXCAVATION	CY	\$ 22.50	80,944	\$ 1,821,232	
2230	EMBANKMENT	CY		48,927	\$ -	
	STRUCTURE	SF	\$ 250.00	19,735	\$ 4,933,773	
					\$ -	
Parametric						\$ 6,622,513
	DRAINAGE	LS	20%		\$ 2,499,061	
2569	MOBILIZATION/DEMOBILIZATION	LS	5%		\$ 624,765	
2650	MAINTAIN & CONTROL TRAFFIC	LS	3%		\$ 374,859	
	MISCELLANEOUS	LS	25%		\$ 3,123,827	
General Contingency						\$ 5,735,346
	Contingency	LS	30%		\$ 5,735,346	
Construction (Unfactored, in Current Year Dollars)						\$ 24,853,166
From District						
	RIGHT-OF-WAY					\$ 1,125,000
	UTILITIES					\$ 2,800,000
Risk-Based Contingency Factors (50% Likelihood Each)						\$ 4,296,095
	Environmental	15%	earthwork	1,821,232	\$ 136,592	
	Geotechnical	30%	earthwork	1,821,232	\$ 273,185	
	ROW	30%	ROW	1,125,000	\$ 168,750	
	Utility	30%	utilities	2,800,000	\$ 420,000	
	Scope change	20%	construction	24,853,166	\$ 2,485,317	
	Construction	30%	pavement	5,415,005	\$ 812,251	
Construction (with Risk-Based Contingencies, in Current Year Dollars)						\$ 29,149,260

Concept: **A5 KY 276 RECONSTRUCTION TO 45 MPH**
 Description: Widen to 11/4 & improve alignment to meet 45 mph, Wallonia to US 68

BMP: 8.701
 EMP: 14.121
 Length (mi): 5.420

	Length	Width (PR)	Notes
Bridge(s)	317	34	B45 (I-24) is 28 ft wide
Mainline/Paved	29457	30	
Approach Roads	-		

Calculations	Item	Unit	Unit Cost	Quantity	Cost	Totals
Mainline Pavement						\$ 5,249,340
00221	Asphalt Base	TON	\$ 110.00	32,677	\$ 3,594,470	
00301	Asphalt Surface	TON	\$ 105.00	8,169	\$ 857,745	
0001	DGA	TON	\$ 35.00	22,775	\$ 797,125	
Striping						\$ 271,484
6542	PAVE STRIPING-THERMO-6 IN W	LF	\$ 1.25	64,195	\$ 80,243	
6543	PAVE STRIPING-THERMO-6 IN Y	LF	\$ 1.25	64,195	\$ 80,243	
2351	GUARDRAIL-STEEL W BEAM-S FACE	LF	\$ 40.00	1,875	\$ 74,997	
2367	GUARDRAIL END TREATMENT TYPE 1	EA	\$ 4,500.00	8	\$ 36,000	
					\$ -	
Other						\$ 4,790,741
2200	EXCAVATION	CY		71,179	\$ -	
2230	EMBANKMENT	CY	\$ 20.00	102,775	\$ 2,055,498	
	STRUCTURE	SF	\$ 250.00	10,941	\$ 2,735,243	
					\$ -	
Parametric						\$ 5,465,129
	DRAINAGE	LS	20%		\$ 2,062,313	
2569	MOBILIZATION/DEMOBILIZATION	LS	5%		\$ 515,578	
2650	MAINTAIN & CONTROL TRAFFIC	LS	3%		\$ 309,347	
	MISCELLANEOUS	LS	25%		\$ 2,577,891	
General Contingency						\$ 4,733,008
	Contingency	LS	30%		\$ 4,733,008	
Construction (Unfactored, in Current Year Dollars)						\$ 20,509,702
From District						
	RIGHT-OF-WAY					\$ 800,000
	UTILITIES					\$ 2,700,000
Risk-Based Contingency Factors (50% Likelihood Each)						\$ 3,363,371
	Environmental	15%	earthwork	0	\$ -	
	Geotechnical	30%	earthwork	0	\$ -	
	ROW	30%	ROW	800,000	\$ 120,000	
	Utility	30%	utilities	2,700,000	\$ 405,000	
	Scope change	20%	construction	20,509,702	\$ 2,050,970	
	Construction	30%	pavement	5,249,340	\$ 787,401	
Construction (with Risk-Based Contingencies, in Current Year Dollars)						\$ 23,873,074

Concept: **B1 KY 139/KY 276/KY 93 Restriping**
 Description: Resurface/stripe intersection, clear vegetation, add SB stop

MP: KY 139 MP 0.000 Caldwell/MP 24.620 Trigg

MP: KY 93 MP 0/KY 276 MP 0

Length (ft): -

	Length	Width (PR)	Notes
Bridge(s)	-		
Mainline/Paved	530		Resurfacing
Approach Roads	-		

Calculations	Item	Unit	Unit Cost	Quantity	Cost	Totals
Mainline Pavement						\$ 28,560
00221	Asphalt Base	TON	\$ 110.00		\$ -	
00301	Asphalt Surface	TON	\$ 105.00	272	\$ 28,560	
0001	DGA	TON	\$ 35.00		\$ -	
Striping						\$ 7,150
6542	PAVE STRIPING-THERMO-6 IN W	LF	\$ 1.25	2,567	\$ 3,209	
6543	PAVE STRIPING-THERMO-6 IN Y	LF	\$ 1.25	1,056	\$ 1,320	
24114EC	PAVE MARK-THERMO-YIELD	EA	\$ 450.00	1	\$ 450	
22520EN	PAVE MARKING-THERMO YIELD BAR 36-IN	LF	\$ 23.00	14	\$ 322	
6568	PAVE MARKING-THERMO STOP BAR 24-IN	LF	\$ 25.00	56	\$ 1,401	
6573	PAVE MARKING-THERMO STR ARROW	EA	\$ 112.00	4	\$ 448	
					\$ -	
Other						\$ -
2200	EXCAVATION	CY	\$ 22.50	0	\$ -	
2230	EMBANKMENT	CY		0	\$ -	
	STRUCTURE	SF	\$ 250.00	0	\$ -	
					\$ -	
Parametric						\$ 18,926
	DRAINAGE	LS	20%		\$ 7,142	
2569	MOBILIZATION/DEMobilIZATION	LS	5%		\$ 1,786	
2650	MAINTAIN & CONTROL TRAFFIC	LS	3%		\$ 1,071	
	MISCELLANEOUS	LS	25%		\$ 8,928	
General Contingency						\$ 16,391
	Contingency	LS	30%		\$ 16,391	
Construction (Unfactored, in Current Year Dollars)						\$ 71,027
From District						
	RIGHT-OF-WAY				\$ -	
	UTILITIES				\$ -	
Risk-Based Contingency Factors (50% Likelihood Each)						\$ 14,938
	Environmental	15%	earthwork	0	\$ -	
	Geotechnical	20%	earthwork	0	\$ -	
	ROW	20%	ROW	0	\$ -	
	Utility	20%	utilities	0	\$ -	
	Scope change	30%	construction	71,027	\$ 10,654	
	Construction	30%	pavement	28,560	\$ 4,284	
Construction (with Risk-Based Contingencies, in Current Year Dollars)						\$ 85,965

Concept: **B2 PROFILE SOUTH OF KY 139/KY 276/KY 93 INT**
 Description: Raise profile to improve visibility; replace drainage structure

BMP: 24.200
 EMP: 24.540
 Length (mi): 0.340

	Length	Width (PR)	Notes
Bridge(s)	-	0	
Mainline/Paved	1653	30	
Approach Roads	-		

Calculations	Item	Unit	Unit Cost	Quantity	Cost	Totals
Mainline Pavement						\$ 290,139
00221	Asphalt Base	TON	\$ 110.00	1,818	\$ 199,991	
00301	Asphalt Surface	TON	\$ 105.00	455	\$ 47,725	
0001	DGA	TON	\$ 35.00	1,212	\$ 42,422	
Striping						\$ 8,264
6542	PAVE STRIPING-THERMO-6 IN W	LF	\$ 1.25	3,306	\$ 4,132	
6543	PAVE STRIPING-THERMO-6 IN Y	LF	\$ 1.25	3,306	\$ 4,132	
24114EC	PAVE MARK-THERMO-YIELD	EA	\$ 450.00		\$ -	
22520EN	PAVE MARKING-THERMO YIELD BAR 36-IN	LF	\$ 23.00		\$ -	
6568	PAVE MARKING-THERMO STOP BAR 24-IN	LF	\$ 25.00		\$ -	
6573	PAVE MARKING-THERMO STR ARROW	EA	\$ 112.00		\$ -	
					\$ -	
Other						\$ 256,558
2200	EXCAVATION	CY		1,479	\$ -	
2230	EMBANKMENT	CY	\$ 20.00	12,828	\$ 256,558	
	STRUCTURE	SF	\$ 250.00	0	\$ -	
					\$ -	
Parametric						\$ 294,129
	DRAINAGE	LS	20%		\$ 110,992	
2569	MOBILIZATION/DEMobilIZATION	LS	5%		\$ 27,748	
2650	MAINTAIN & CONTROL TRAFFIC	LS	3%		\$ 16,649	
	MISCELLANEOUS	LS	25%		\$ 138,740	
General Contingency						\$ 254,727
	Contingency	LS	30%		\$ 254,727	
Construction (Unfactored, in Current Year Dollars)						\$ 1,103,817
From District						
	RIGHT-OF-WAY					\$ 150,000
	UTILITIES					\$ -
Risk-Based Contingency Factors (50% Likelihood Each)						\$ 224,093
	Environmental	15%	earthwork	0	\$ -	
	Geotechnical	20%	earthwork	0	\$ -	
	ROW	20%	ROW	150,000	\$ 15,000	
	Utility	20%	utilities	0	\$ -	
	Scope change	30%	construction	1,103,817	\$ 165,573	
	Construction	30%	pavement	290,139	\$ 43,521	
Construction (with Risk-Based Contingencies, in Current Year Dollars)						\$ 1,327,910

Concept: **C KY 139/KY 276/Hurrican Rd Int Realignment**
 Description: Reconstruct Y intersection as T; add northbound left turn pocket

BMP: 23.600
 EMP: 23.900
 Length (mi): 0.300

	Length	Width (PR)	Notes
Bridge(s)	-		
Mainline/Paved	1580	30+	
Approach Roads	-		

Calculations	Item	Unit	Unit Cost	Quantity	Cost	Totals
Mainline Pavement						\$ 354,815
00221	Asphalt Base	TON	\$ 110.00	2,209	\$ 242,990	
00301	Asphalt Surface	TON	\$ 105.00	552	\$ 57,960	
0001	DGA	TON	\$ 35.00	1,539	\$ 53,865	
Striping						\$ 9,870
6542	PAVE STRIPING-THERMO-6 IN W	LF	\$ 1.25	3,456	\$ 4,321	
6543	PAVE STRIPING-THERMO-6 IN Y	LF	\$ 1.25	3,064	\$ 3,830	
24114EC	PAVE MARK-THERMO-YIELD	EA	\$ 450.00		\$ -	
22520EN	PAVE MARKING-THERMO YIELD BAR 36-IN	LF	\$ 23.00		\$ -	
6568	PAVE MARKING-THERMO STOP BAR 24-IN	LF	\$ 25.00	59	\$ 1,470	
6573	PAVE MARKING-THERMO STR ARROW	EA	\$ 112.00		\$ -	
6574	PAVE MARKING-THERMO CURV ARROW	EA	\$ 125.00	2	\$ 250	
Other						\$ 224,726
2200	EXCAVATION	CY	\$ 22.50	9,988	\$ 224,726	
2230	EMBANKMENT	CY		1,021	\$ -	
	STRUCTURE	SF	\$ 250.00	0	\$ -	
					\$ -	
Parametric						\$ 312,388
	DRAINAGE	LS	20%		\$ 117,882	
2569	MOBILIZATION/DEMOBILIZATION	LS	5%		\$ 29,471	
2650	MAINTAIN & CONTROL TRAFFIC	LS	3%		\$ 17,682	
	MISCELLANEOUS	LS	25%		\$ 147,353	
General Contingency						\$ 270,540
	Contingency	LS	30%		\$ 270,540	
Construction (Unfactored, in Current Year Dollars)						\$1,172,339
From District						
	RIGHT-OF-WAY					\$ 400,000
	UTILITIES					\$ 100,000
Risk-Based Contingency Factors (50% Likelihood Each)						\$ 318,400
	Environmental	15%	earthwork	224,726	\$ 16,854	
	Geotechnical	20%	earthwork	224,726	\$ 22,473	
	ROW	20%	ROW	400,000	\$ 40,000	
	Utility	20%	utilities	100,000	\$ 10,000	
	Scope change	30%	construction	1,172,339	\$ 175,851	
	Construction	30%	pavement	354,815	\$ 53,222	
Construction (with Risk-Based Contingencies, in Current Year Dollars)						\$1,490,739

Concept: **D1 KY 139/Brown St Minor Widening**

Description: Widen pavement inside curve

BMP: 17.080

EMP: 17.150

Length: 300 ft

	Length	Width (PR)	Notes
Bridge(s)	-		
Mainline/Paved	300	Minimal	Adds narrow apron; no extra repaving
Approach Roads	-		

Calculations	Item	Unit	Unit Cost	Quantity	Cost	Totals
Mainline Pavement						\$ 9,755
00221	Asphalt Base	TON	\$ 110.00	61	\$ 6,710	
00301	Asphalt Surface	TON	\$ 105.00	15	\$ 1,575	
0001	DGA	TON	\$ 35.00	42	\$ 1,470	
Striping						\$ -
6542	PAVE STRIPING-THERMO-6 IN W	LF	\$ 1.25		\$ -	
6543	PAVE STRIPING-THERMO-6 IN Y	LF	\$ 1.25		\$ -	
24114EC	PAVE MARK-THERMO-YIELD	EA	\$ 450.00		\$ -	
22520EN	PAVE MARKING-THERMO YIELD BAR 36-IN	LF	\$ 23.00		\$ -	
6568	PAVE MARKING-THERMO STOP BAR 24-IN	LF	\$ 25.00		\$ -	
6573	PAVE MARKING-THERMO STR ARROW	EA	\$ 112.00		\$ -	
					\$ -	
Other						\$ 3,945
2200	EXCAVATION	CY	\$ 22.50	175.3549	\$ 3,945	
2230	EMBANKMENT	CY		1.1399	\$ -	
	STRUCTURE	SF	\$ 250.00	0	\$ -	
					\$ -	
Parametric						\$ 7,261
	DRAINAGE	LS	20%		\$ 2,740	
2569	MOBILIZATION/DEMOBILIZATION	LS	5%		\$ 685	
2650	MAINTAIN & CONTROL TRAFFIC	LS	3%		\$ 411	
	MISCELLANEOUS	LS	25%		\$ 3,425	
General Contingency						\$ 6,289
	Contingency	LS	30%		\$ 6,289	
Construction (Unfactored, in Current Year Dollars)						\$ 27,250
From District						
	RIGHT-OF-WAY					\$ 150,000
	UTILITIES					\$ 100,000
Risk-Based Contingency Factors (50% Likelihood Each)						\$ 31,241
	Environmental	15%	earthwork	3,945	\$ 296	
	Geotechnical	20%	earthwork	3,945	\$ 395	
	ROW	20%	ROW	150,000	\$ 15,000	
	Utility	20%	utilities	100,000	\$ 10,000	
	Scope change	30%	construction	27,250	\$ 4,088	
	Construction	30%	pavement	9,755	\$ 1,463	
Construction (with Risk-Based Contingencies, in Current Year Dollars)						\$ 58,492

Concept: **D3 KY 139/Brown Street Curve Realignment - Straight Thru**

Description: Realign curve/intersection; add sidewalk

MP Limits: KY 139 MP 17.000-17.340

MP Limits: KY 778 MP 0.00-0.08 & CS-1069

Length (mi): 0.4

	Length	Width (PR)	Notes
Bridge(s)	-		
Mainline/Paved	2366	30	
Approach Roads	-		

Calculations	Item	Unit	Unit Cost	Quantity	Cost	Totals
Mainline Pavement						\$ 376,815
00221	Asphalt Base	TON	\$ 110.00	2,346	\$ 258,060	
00301	Asphalt Surface	TON	\$ 105.00	586	\$ 61,530	
0001	DGA	TON	\$ 35.00	1,635	\$ 57,225	
Striping						\$ 422,340
6542	PAVE STRIPING-THERMO-6 IN W	LF	\$ 1.25	4,732	\$ 5,915	
6543	PAVE STRIPING-THERMO-6 IN Y	LF	\$ 1.25	4,732	\$ 5,915	
6568	PAVE MARKING-THERMO STOP BAR 24-IN	LF	\$ 25.00	42	\$ 1,050	
2720	SIDEWALK- 4 IN CONCRETE	SQ YD	\$ 272.00	1,252	\$ 340,544	
1810	STANDARD CURB AND GUTTER	LF	\$ 48.00	1,436	\$ 68,915	
					\$ -	
Other						\$ 284,749
2200	EXCAVATION	CY		11,981	\$ -	
2230	EMBANKMENT	CY	\$ 20.00	14,237	\$ 284,749	
	STRUCTURE	SF	\$ 250.00	0	\$ -	
					\$ -	
Parametric						\$ 574,469
	DRAINAGE	LS	20%		\$ 216,781	
2569	MOBILIZATION/DEMOBILIZATION	LS	5%		\$ 54,195	
2650	MAINTAIN & CONTROL TRAFFIC	LS	3%		\$ 32,517	
	MISCELLANEOUS	LS	25%		\$ 270,976	
General Contingency						\$ 497,512
	Contingency	LS	30%		\$ 497,512	
Construction (Unfactored, in Current Year Dollars)						\$ 2,155,885
From District						
	RIGHT-OF-WAY				\$ 750,000	
	UTILITIES				\$ 750,000	
Risk-Based Contingency Factors (50% Likelihood Each)						\$ 561,179
	Environmental	15%	earthwork	284,749	\$ 21,356	
	Geotechnical	30%	earthwork	284,749	\$ 42,712	
	ROW	30%	ROW	750,000	\$ 112,500	
	Utility	30%	utilities	750,000	\$ 112,500	
	Scope change	20%	construction	2,155,885	\$ 215,588	
	Construction	30%	pavement	376,815	\$ 56,522	
Construction (with Risk-Based Contingencies, in Current Year Dollars)						\$ 2,717,064

Concept: **D4 KY 139/Brown Street Curve Realignment - Offset T's**

Description: Realign curve/intersection; add sidewalk

BMP: KY 139 MP 17.000-17.340

EMP: KY 778 MP 0.00-0.08 & CS-1069

Length (mi): 0.5

	Length	Width (PR)	Notes
Bridge(s)	-		
Mainline/Paved	2,466	30	
Approach Roads	-		

Calculations	Item	Unit	Unit Cost	Quantity	Cost	Totals
Mainline Pavement						\$ 383,750
00221	Asphalt Base	TON	\$ 110.00	2,389	\$ 262,790	
00301	Asphalt Surface	TON	\$ 105.00	597	\$ 62,685	
0001	DGA	TON	\$ 35.00	1,665	\$ 58,275	
Striping						\$ 431,598
6542	PAVE STRIPING-THERMO-6 IN W	LF	\$ 1.25	4,933	\$ 6,166	
6543	PAVE STRIPING-THERMO-6 IN Y	LF	\$ 1.25	4,933	\$ 6,166	
6568	PAVE MARKING-THERMO STOP BAR 24-IN	LF	\$ 25.00	66	\$ 1,650	
2720	SIDEWALK- 4 IN CONCRETE	SQ YD	\$ 272.00	1,245	\$ 338,711	
1810	STANDARD CURB AND GUTTER	LF	\$ 48.00	1,644	\$ 78,905	
					\$ -	
Other						\$ 256,246
2200	EXCAVATION	CY		9,893	\$ -	
2230	EMBANKMENT	CY	\$ 20.00	12,812	\$ 256,246	
	STRUCTURE	SF	\$ 250.00	0	\$ -	
					\$ -	
Parametric						\$ 567,945
	DRAINAGE	LS	20%		\$ 214,319	
2569	MOBILIZATION/DEMOBILIZATION	LS	5%		\$ 53,580	
2650	MAINTAIN & CONTROL TRAFFIC	LS	3%		\$ 32,148	
	MISCELLANEOUS	LS	25%		\$ 267,898	
General Contingency						\$ 491,861
	Contingency	LS	30%		\$ 491,861	
Construction (Unfactored, in Current Year Dollars)						\$ 2,131,400
From District						
	RIGHT-OF-WAY				\$ 850,000	
	UTILITIES				\$ 750,000	
Risk-Based Contingency Factors (50% Likelihood Each)						\$ 568,358
	Environmental	15%	earthwork	256,246	\$ 19,218	
	Geotechnical	30%	earthwork	256,246	\$ 38,437	
	ROW	30%	ROW	850,000	\$ 127,500	
	Utility	30%	utilities	750,000	\$ 112,500	
	Scope change	20%	construction	2,131,400	\$ 213,140	
	Construction	30%	pavement	383,750	\$ 57,563	
Construction (with Risk-Based Contingencies, in Current Year Dollars)						\$ 2,699,757

Concept: **E2 Extend Jefferson St Sidewalks**
 Description: Mill/Resurface; Add sidewalks & crosswalks & signage

BMP: 16.750
 EMP: 17.177
 Length (mi): 0.43

	Length	Width (PR)	Notes
Bridge(s)	60	7.5	Carry sidewalk over drainage east of Monroe
Mainline/Paved	2183	EX	Mill/Resurface
Approach Roads	-		

Calculations	Item	Unit	Unit Cost	Quantity	Cost	Totals
Mainline Pavement						\$ 101,160
00221	Asphalt Base	TON	\$ 110.00	0	\$ -	
00301	Asphalt Surface	TON	\$ 105.00	562	\$ 59,010	
	milling		\$ 75.00	562	\$ 42,150	
0001	DGA	TON	\$ 35.00	0	\$ -	
Striping						\$ 374,438
6542	PAVE STRIPING-THERMO-6 IN W	LF	\$ 1.25	4,366	\$ 5,457	
6543	PAVE STRIPING-THERMO-6 IN Y	LF	\$ 1.25	4,366	\$ 5,457	
6568	PAVE MARKING-THERMO STOP BAR 24-IN	LF	\$ 25.00	72	\$ 1,793	
2720	SIDEWALK- 4 IN CONCRETE	SQ YD	\$ 272.00	973	\$ 264,531	
1810	STANDARD CURB AND GUTTER	LF	\$ 48.00	1,579	\$ 75,807	
22520EN	PAVE MARKING-THERMO YIELD BAR 36-IN	LF	\$ 23.00	66	\$ 1,518	
23261EC	PAVE MARK-THERMO-X-WALK-24 IN	LF	\$ 30.00	444	\$ 13,320	
23158Es505	DETECTABLE WARNINGS	SQ FT	\$ 45.00	146	\$ 6,556	
Other						\$ 152,525
2200	EXCAVATION	CY	\$ 40.00	941.2421	\$ 37,650	
2230	EMBANKMENT	CY		404.3418	\$ -	
	STRUCTURE	SF	\$ 250.00	460	\$ 114,875	
					\$ -	
Parametric						\$ 332,905
	DRAINAGE	LS	20%		\$ 125,625	
2569	MOBILIZATION/DEMOBILIZATION	LS	5%		\$ 31,406	
2650	MAINTAIN & CONTROL TRAFFIC	LS	3%		\$ 18,844	
	MISCELLANEOUS	LS	25%		\$ 157,031	
General Contingency						\$ 288,308
	Contingency	LS	30%		\$ 288,308	
Construction (Unfactored, in Current Year Dollars)						\$ 773,738
From District						
	RIGHT-OF-WAY				\$ 500,000	
	UTILITIES				\$ 200,000	
Risk-Based Contingency Factors (50% Likelihood Each)						\$ 207,823
	Environmental	15%	earthwork	37,650	\$ 2,824	
	Geotechnical	20%	earthwork	37,650	\$ 3,765	
	ROW	20%	ROW	500,000	\$ 50,000	
	Utility	20%	utilities	200,000	\$ 20,000	
	Scope change	30%	construction	773,738	\$ 116,061	
	Construction	30%	pavement	101,160	\$ 15,174	
Construction (with Risk-Based Contingencies, in Current Year Dollars)						\$ 981,562

Concept: **F Jefferson/Hamilton Curve**
 Description: Realign and widen curve for truck turns

BMP: 16.700
 EMP: 16.800
 Length (ft): 400

	Length	Width (PR)	Notes
Bridge(s)	-	0	
Mainline/Paved	394	30-50 ft	
Approach Roads	-		

Calculations	Item	Unit	Unit Cost	Quantity	Cost	Totals
Mainline Pavement						\$ 93,165
00221	Asphalt Base	TON	\$ 110.00	580	\$ 63,800	
00301	Asphalt Surface	TON	\$ 105.00	145	\$ 15,225	
0001	DGA	TON	\$ 35.00	404	\$ 14,140	
Striping						\$ 2,344
6542	PAVE STRIPING-THERMO-6 IN W	LF	\$ 1.25	788	\$ 984	
6543	PAVE STRIPING-THERMO-6 IN Y	LF	\$ 1.25	788	\$ 984	
24114EC	PAVE MARK-THERMO-YIELD	EA	\$ 450.00		\$ -	
22520EN	PAVE MARKING-THERMO YIELD BAR 36-IN	LF	\$ 23.00		\$ -	
6568	PAVE MARKING-THERMO STOP BAR 24-IN	LF	\$ 25.00	15	\$ 375	
6573	PAVE MARKING-THERMO STR ARROW	EA	\$ 112.00		\$ -	
					\$ -	
Other						\$ 41,094
2200	EXCAVATION	CY	\$ 22.50	1826.382	\$ 41,094	
2230	EMBANKMENT	CY			\$ -	
	STRUCTURE	SF	\$ 250.00	0	\$ -	
					\$ -	
Parametric						\$ 72,399
	DRAINAGE	LS	20%		\$ 27,320	
2569	MOBILIZATION/DEMobilIZATION	LS	5%		\$ 6,830	
2650	MAINTAIN & CONTROL TRAFFIC	LS	3%		\$ 4,098	
	MISCELLANEOUS	LS	25%		\$ 34,151	
General Contingency						\$ 62,701
	Contingency	LS	30%		\$ 62,701	
Construction (Unfactored, in Current Year Dollars)						\$ 271,702
From District						
	RIGHT-OF-WAY					\$ 300,000
	UTILITIES					\$ 100,000
Risk-Based Contingency Factors (50% Likelihood Each)						\$ 101,921
	Environmental	15%	earthwork	41,094	\$ 3,082	
	Geotechnical	20%	earthwork	41,094	\$ 4,109	
	ROW	20%	ROW	300,000	\$ 30,000	
	Utility	20%	utilities	100,000	\$ 10,000	
	Scope change	30%	construction	271,702	\$ 40,755	
	Construction	30%	pavement	93,165	\$ 13,975	
Construction (with Risk-Based Contingencies, in Current Year Dollars)						\$ 373,624

Concept: **G1 KY 276/KY 128 Minor Widening at Intersection**

Description: Add pavement inside curve for truck turns

MP: KY 276 MP 8.701

MP: KY 128 MP 9.078

Length (ft): 140

	Length	Width (PR)	Notes
Bridge(s)	-		
Mainline/Paved	140	Minimal	Adds narrow apron; no extra repaving
Approach Roads			

Calculations	Item	Unit	Unit Cost	Quantity	Cost	Totals
Mainline Pavement						\$ 7,840
00221	Asphalt Base	TON	\$ 110.00	49	\$ 5,390	
00301	Asphalt Surface	TON	\$ 105.00	12	\$ 1,260	
0001	DGA	TON	\$ 35.00	34	\$ 1,190	
Striping						\$ 417
6542	PAVE STRIPING-THERMO-6 IN W	LF	\$ 1.25	334	\$ 417	
6543	PAVE STRIPING-THERMO-6 IN Y	LF	\$ 1.25		\$ -	
6568	PAVE MARKING-THERMO STOP BAR 24-IN	LF	\$ 25.00		\$ -	
					\$ -	
					\$ -	
Other						\$ 17,609
2200	EXCAVATION	CY	\$ 40.00	440	\$ 17,609	
2230	EMBANKMENT	CY			\$ -	
	STRUCTURE	SF	\$ 250.00		\$ -	
					\$ -	
Parametric						\$ 13,709
	DRAINAGE	LS	20%		\$ 5,173	
2569	MOBILIZATION/DEMOBILIZATION	LS	5%		\$ 1,293	
2650	MAINTAIN & CONTROL TRAFFIC	LS	3%		\$ 776	
	MISCELLANEOUS	LS	25%		\$ 6,466	
General Contingency						\$ 11,872
	Contingency	LS	30%		\$ 11,872	
Construction (Unfactored, in Current Year Dollars)						\$ 43,189
From District						
	RIGHT-OF-WAY					\$ 150,000
	UTILITIES					\$ -
Risk-Based Contingency Factors (50% Likelihood Each)						\$ 25,736
	Environmental	15%	earthwork	17,609	\$ 1,321	
	Geotechnical	20%	earthwork	17,609	\$ 1,761	
	ROW	20%	ROW	150,000	\$ 15,000	
	Utility	20%	utilities	0	\$ -	
	Scope change	30%	construction	43,189	\$ 6,478	
	Construction	30%	pavement	7,840	\$ 1,176	
Construction (with Risk-Based Contingencies, in Current Year Dollars)						\$ 68,925

Concept: **H RAISE KY 124 PROFILE AT KY 276 INTERSECTION**

Description: Raise profile to improve visibility and ponding

MP: KY 276 MP 10.263

MP: KY 124 MP 5.053

Length (ft): 3160

	Length	Width (PR)	Notes
Bridge(s)	-		
Mainline/Paved	2,100	30	KY 124
Approach Roads	1,060	30	KY 276

Calculations	Item	Unit	Unit Cost	Quantity	Cost	Totals
Mainline Pavement						\$ 561,725
00221	Asphalt Base	TON	\$ 110.00	3,520	\$ 387,194	
00301	Asphalt Surface	TON	\$ 105.00	880	\$ 92,399	
0001	DGA	TON	\$ 35.00	2,347	\$ 82,132	
Striping						\$ 16,600
6542	PAVE STRIPING-THERMO-6 IN W	LF	\$ 1.25	6,400	\$ 8,000	
6543	PAVE STRIPING-THERMO-6 IN Y	LF	\$ 1.25	6,400	\$ 8,000	
6568	PAVE MARKING-THERMO STOP BAR 24-IN	LF	\$ 25.00	24	\$ 600	
					\$ -	
					\$ -	
Other						\$ 229,886
2200	EXCAVATION	CY		4,263	\$ -	
2230	EMBANKMENT	CY	\$ 20.00	11,494	\$ 229,886	
	STRUCTURE	SF	\$ 250.00	0	\$ -	
					\$ -	
Parametric						\$ 428,352
	DRAINAGE	LS	20%		\$ 161,642	
2569	MOBILIZATION/DEMOBILIZATION	LS	5%		\$ 40,411	
2650	MAINTAIN & CONTROL TRAFFIC	LS	3%		\$ 24,246	
	MISCELLANEOUS	LS	25%		\$ 202,053	
General Contingency						\$ 370,969
	Contingency	LS	30%		\$ 370,969	
Construction (Unfactored, in Current Year Dollars)						\$1,029,207
From District						
	RIGHT-OF-WAY				\$ 200,000	
	UTILITIES				\$ 300,000	
Risk-Based Contingency Factors (50% Likelihood Each)						\$ 328,870
	Environmental	15%	earthwork	229,886	\$ 17,241	
	Geotechnical	20%	earthwork	229,886	\$ 22,989	
	ROW	20%	ROW	200,000	\$ 20,000	
	Utility	20%	utilities	300,000	\$ 30,000	
	Scope change	30%	construction	1,029,207	\$ 154,381	
	Construction	30%	pavement	561,725	\$ 84,259	
Construction (with Risk-Based Contingencies, in Current Year Dollars)						\$1,358,077

Concept: **KY 276 CROSS-SLOPE AT CAMPGROUND**

Description: Resurface/Mill

BMP: 13.500

EMP: 13.730

Length (ft): 1150

	Length	Width (PR)	Notes
Bridge(s)	-		
Mainline/Paved	1,148	EX	
Approach Roads	-		

Calculations	Item	Unit	Unit Cost	Quantity	Cost	Totals
Mainline Pavement						\$ 24,314
00221	Asphalt Base	TON	\$ 110.00		\$ -	
00301	Asphalt Surface	TON	\$ 105.00	232	\$ 24,314	
	milling	TON	\$ 75.00	232		
0001	DGA	TON	\$ 35.00		\$ -	
Striping						\$ 5,741
6542	PAVE STRIPING-THERMO-6 IN W	LF	\$ 1.25	2,296	\$ 2,871	
6543	PAVE STRIPING-THERMO-6 IN Y	LF	\$ 1.25	2,296	\$ 2,871	
6568	PAVE MARKING-THERMO STOP BAR 24-IN	LF	\$ 25.00		\$ -	
					\$ -	
					\$ -	
Other						\$ -
2200	EXCAVATION	CY			\$ -	
2230	EMBANKMENT	CY	\$ 20.00		\$ -	
	STRUCTURE	SF	\$ 250.00	0	\$ -	
					\$ -	
Parametric						\$ 15,929
	DRAINAGE	LS	20%		\$ 6,011	
2569	MOBILIZATION/DEMOBILIZATION	LS	5%		\$ 1,503	
2650	MAINTAIN & CONTROL TRAFFIC	LS	3%		\$ 902	
	MISCELLANEOUS	LS	25%		\$ 7,514	
General Contingency						\$ 13,795
	Contingency	LS	30%		\$ 13,795	
Construction (Unfactored, in Current Year Dollars)						\$ 59,779
From District						
	RIGHT-OF-WAY				\$ -	
	UTILITIES				\$ 100,000	
Risk-Based Contingency Factors (50% Likelihood Each)						\$ 22,614
	Environmental	15%	earthwork	0	\$ -	
	Geotechnical	20%	earthwork	0	\$ -	
	ROW	20%	ROW	0	\$ -	
	Utility	20%	utilities	100,000	\$ 10,000	
	Scope change	30%	construction	59,779	\$ 8,967	
	Construction	30%	pavement	24,314	\$ 3,647	
Construction (with Risk-Based Contingencies, in Current Year Dollars)						\$ 82,393

Concept: **J1 Widening at Reservoir**

Description: Adding pavement to outside of curve

MP: KY 276 MP 8.8

MP: KY 128 MP 9.0

Length (ft): 684

	Length	Width (PR)	Notes
Bridge(s)	-		
Mainline/Paved	684	8	
Approach Roads			

Calculations	Item	Unit	Unit Cost	Quantity	Cost	Totals
Mainline Pavement						\$ 43,401
00221	Asphalt Base	TON	\$ 110.00	201	\$ 22,070	
00301	Asphalt Surface	TON	\$ 105.00	50	\$ 5,267	
0001	DGA	TON	\$ 35.00	459	\$ 16,064	
Striping						\$ 3,420
6542	PAVE STRIPING-THERMO-6 IN W	LF	\$ 1.25	1,368	\$ 1,710	
6543	PAVE STRIPING-THERMO-6 IN Y	LF	\$ 1.25	1,368	\$ 1,710	
6568	PAVE MARKING-THERMO STOP BAR 24-IN	LF	\$ 25.00		\$ -	
					\$ -	
					\$ -	
Other						\$ 23,708
2200	EXCAVATION	CY	\$ 40.00	593	\$ 23,708	
2230	EMBANKMENT	CY		265	\$ -	
	STRUCTURE	SF	\$ 250.00		\$ -	
					\$ -	
Parametric						\$ 37,380
	DRAINAGE	LS	20%		\$ 14,106	
2569	MOBILIZATION/DEMOBILIZATION	LS	5%		\$ 3,526	
2650	MAINTAIN & CONTROL TRAFFIC	LS	3%		\$ 2,116	
	MISCELLANEOUS	LS	25%		\$ 17,632	
General Contingency						\$ 32,373
	Contingency	LS	30%		\$ 32,373	
Construction (Unfactored, in Current Year Dollars)						\$ 140,282
From District						
	RIGHT-OF-WAY					\$ 200,000
	UTILITIES					\$ 100,000
Risk-Based Contingency Factors (50% Likelihood Each)						\$ 61,701
	Environmental	15%	earthwork	23,708	\$ 1,778	
	Geotechnical	20%	earthwork	23,708	\$ 2,371	
	ROW	20%	ROW	200,000	\$ 20,000	
	Utility	20%	utilities	100,000	\$ 10,000	
	Scope change	30%	construction	140,282	\$ 21,042	
	Construction	30%	pavement	43,401	\$ 6,510	
Construction (with Risk-Based Contingencies, in Current Year Dollars)						\$ 201,983

Concept: **K Andrew Merrick**

Description: Repaving + adding pavement to first ~50 feet of Andrew Merrick Rd to create smoother transition onto mainline

MP: KY 276 MP 2.3

MP: KY 276 MP 2.4

Length (ft): 109

	Length	Width (PR)	Notes
Bridge(s)	-		
Mainline/Paved	62	20	
Approach Roads	47	12	

Calculations	Item	Unit	Unit Cost	Quantity	Cost	Totals
Mainline Pavement						\$ 11,596
00221	Asphalt Base	TON	\$ 110.00	73	\$ 7,993	
00301	Asphalt Surface	TON	\$ 105.00	18	\$ 1,907	
0001	DGA	TON	\$ 35.00	48	\$ 1,695	
Striping						\$ 78
6542	PAVE STRIPING-THERMO-6 IN W	LF	\$ 1.25	0	\$ -	
6543	PAVE STRIPING-THERMO-6 IN Y	LF	\$ 1.25	62	\$ 78	
6568	PAVE MARKING-THERMO STOP BAR 24-IN	LF	\$ 25.00		\$ -	
					\$ -	
					\$ -	
Other						\$ 2,310
2200	EXCAVATION	CY	\$ 40.00	58	\$ 2,310	
2230	EMBANKMENT	CY		1	\$ -	
	STRUCTURE	SF	\$ 250.00		\$ -	
					\$ -	
Parametric						\$ 7,411
	DRAINAGE	LS	20%		\$ 2,797	
2569	MOBILIZATION/DEMOBILIZATION	LS	5%		\$ 699	
2650	MAINTAIN & CONTROL TRAFFIC	LS	3%		\$ 420	
	MISCELLANEOUS	LS	25%		\$ 3,496	
General Contingency						\$ 6,418
	Contingency	LS	30%		\$ 6,418	
Construction (Unfactored, in Current Year Dollars)						\$ 27,813
From District						
	RIGHT-OF-WAY				\$ -	
	UTILITIES				\$ -	
Risk-Based Contingency Factors (50% Likelihood Each)						\$ 6,316
	Environmental	15%	earthwork	2,310	\$ 173	
	Geotechnical	20%	earthwork	2,310	\$ 231	
	ROW	20%	ROW	0	\$ -	
	Utility	20%	utilities	0	\$ -	
	Scope change	30%	construction	27,813	\$ 4,172	
	Construction	30%	pavement	11,596	\$ 1,739	
Construction (with Risk-Based Contingencies, in Current Year Dollars)						\$ 34,129

Concept: **L S-Curve Widening**
 Description: Adding pavement to the inside of 2 curves

MP: KY 139 MP 21.4
 MP: KY 139 MP 22.0
 Length (ft): 3111

	Length	Width (PR)	Notes
Bridge(s)	-		
Mainline/Paved	3,111	Varies	
Approach Roads			

Calculations	Item	Unit	Unit Cost	Quantity	Cost	Totals
Mainline Pavement						\$ 87,854
00221	Asphalt Base	TON	\$ 110.00	551	\$ 60,557	
00301	Asphalt Surface	TON	\$ 105.00	138	\$ 14,451	
0001	DGA	TON	\$ 35.00	367	\$ 12,845	
Striping						\$ 2,053
6542	PAVE STRIPING-THERMO-6 IN W	LF	\$ 1.25	1,642	\$ 2,053	
6543	PAVE STRIPING-THERMO-6 IN Y	LF	\$ 1.25		\$ -	
					\$ -	
					\$ -	
					\$ -	
Other						\$ 40,836
2200	EXCAVATION	CY	\$ 40.00	1,021	\$ 40,836	
2230	EMBANKMENT	CY		704	\$ -	
	STRUCTURE	SF	\$ 250.00		\$ -	
					\$ -	
Parametric						\$ 69,294
	DRAINAGE	LS	20%		\$ 26,148	
2569	MOBILIZATION/DEMOBILIZATION	LS	5%		\$ 6,537	
2650	MAINTAIN & CONTROL TRAFFIC	LS	3%		\$ 3,922	
	MISCELLANEOUS	LS	25%		\$ 32,686	
General Contingency						\$ 60,011
	Contingency	LS	30%		\$ 60,011	
Construction (Unfactored, in Current Year Dollars)						\$ 260,047
From District						
	RIGHT-OF-WAY					\$ 250,000
	UTILITIES					\$ 200,000
Risk-Based Contingency Factors (50% Likelihood Each)						\$ 104,331
	Environmental	15%	earthwork	40,836	\$ 3,063	
	Geotechnical	20%	earthwork	40,836	\$ 4,084	
	ROW	20%	ROW	250,000	\$ 25,000	
	Utility	20%	utilities	200,000	\$ 20,000	
	Scope change	30%	construction	260,047	\$ 39,007	
	Construction	30%	pavement	87,854	\$ 13,178	
Construction (with Risk-Based Contingencies, in Current Year Dollars)						\$ 364,378