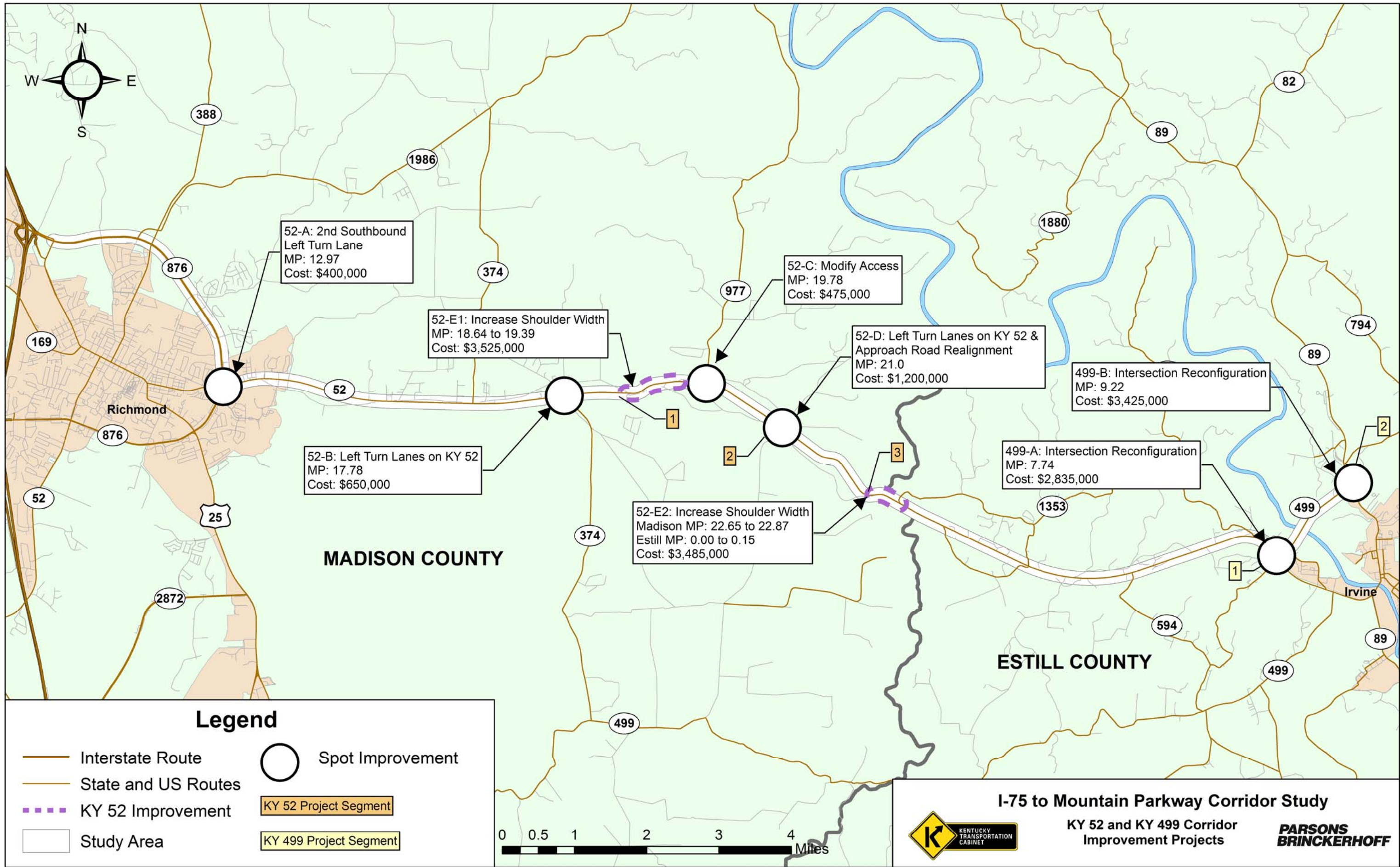


Appendix K:

ADDITIONAL COST INFORMATION

ROADWAY SEGMENT NUMBER	IMPROVEMENT #	STA. TO STA.	SEGMENT LENGTH (FT)	SEGMENT LENGTH (MI)	ROW (acres)	ROW	Utilities	Cost for ROW and Utilities	Cost For Spot Improvement	Cost For Typical Section Only Improvement	Cost For Typical + Horizontal and Vertical Curve Improvement	Cost For Structures Improvement	Cost For Design	Total Cost Per Segment
KY 52														KY 52
1	IMPROVEMENT 52-A	MP 12.97				\$ 50,000	\$ 100,000	\$ 150,000	\$ 200,000	---	---	---	\$ 50,000	\$ 400,000
2	IMPROVEMENT 52-B	MP 17.78				\$ 50,000	\$ 100,000	\$ 150,000	\$ 400,000	---	---	---	\$ 100,000	\$ 650,000
3	IMPROVEMENT 52-C	MP 19.78				\$ 50,000	\$ 50,000	\$ 100,000	\$ 300,000	---	---	---	\$ 75,000	\$ 475,000
4	IMPROVEMENT 52-E1	405+60 TO 438+26	3266	0.62	2.70	\$ 100,000	\$ 65,000	\$ 165,000	---	\$ 1,860,000	---	\$ 1,200,000	\$ 300,000	\$ 3,525,000
5	IMPROVEMENT 52-D	MP 21.0				\$ 375,000	\$ 75,000	\$ 450,000	\$ 550,000	---	---	---	\$ 200,000	\$ 1,200,000
6	IMPROVEMENT 52-E2	617+50 TO 637+00	1950	0.37	0.99	\$ 300,000	\$ 75,000	\$ 375,000	---	\$ 1,110,000	---	\$ 1,700,000	\$ 300,000	\$ 3,485,000
KY 499														KY 499
1	IMPROVEMENT 499-A	MP 5.80			3.93	\$ 185,000	\$ 50,000	\$ 235,000	\$ 2,300,000	---	---	---	\$ 300,000	\$ 2,835,000
2	IMPROVEMENT 499-B	MP 12.81			8.23	\$ 125,000	\$ 50,000	\$ 175,000	\$ 2,900,000	---	---	---	\$ 350,000	\$ 3,425,000
KY 89														KY 89
1	IMPROVEMENT 89-A	197+11 TO 211+66	1455	0.28	0.64	\$ 135,000	\$ 55,000	\$ 190,000	---	\$ 3,000,000	\$ 3,500,000	\$ 500,000	\$ 130,000	\$ 1,650,000
2	IMPROVEMENT 89-A	211+66 TO 216+66	500	0.09	0.28	\$ 50,000	\$ 20,000	\$ 70,000	---	---	\$ 330,000	---	\$ 30,000	\$ 430,000
3	IMPROVEMENT 89-A	216+66 TO 237+66	2100	0.40	1.09	\$ 20,000	\$ 80,000	\$ 100,000	---	\$ 1,190,000	---	\$ 250,000	\$ 140,000	\$ 1,680,000
4	IMPROVEMENT 89-A	237+66 TO 256+16	1850	0.35	1.33	\$ 20,000	\$ 70,000	\$ 90,000	---	---	\$ 1,230,000	\$ 950,000	\$ 220,000	\$ 2,490,000
5	IMPROVEMENT 89-A	256+16 TO 279+66	2350	0.45	5.08	\$ 460,000	\$ 90,000	\$ 550,000	---	---	\$ 1,560,000	---	\$ 160,000	\$ 2,270,000
6	IMPROVEMENT 89-A	279+66 TO 290+40	1074	0.20	0.44	\$ 10,000	\$ 40,000	\$ 50,000	---	\$ 610,000	---	\$ 250,000	\$ 90,000	\$ 1,000,000
7	IMPROVEMENT 89-A	290+40 TO 306+56	1616	0.31	2.74	\$ 170,000	\$ 60,000	\$ 230,000	---	---	\$ 1,070,000	---	\$ 110,000	\$ 1,410,000
8	IMPROVEMENT 89-A	306+56 TO 311+66	510	0.10	0.25	\$ 5,000	\$ 20,000	\$ 25,000	---	---	\$ 340,000	---	\$ 30,000	\$ 395,000
9	IMPROVEMENT 89-A	311+66 TO 320+00	834	0.16	0.96	\$ 15,000	\$ 30,000	\$ 45,000	---	---	\$ 550,000	---	\$ 60,000	\$ 655,000
10	IMPROVEMENT 89-A	320+00 TO 326+66	666	0.13	0.38	\$ 10,000	\$ 25,000	\$ 35,000	---	\$ 380,000	---	---	\$ 40,000	\$ 455,000
11	IMPROVEMENT 89-A	326+66 TO 354+10	2744	0.52	5.86	\$ 225,000	\$ 100,000	\$ 325,000	---	---	\$ 1,820,000	---	\$ 180,000	\$ 2,325,000
12	IMPROVEMENT 89-A	354+10 TO 367+53	1343	0.25	2.51	\$ 290,000	\$ 50,000	\$ 340,000	---	\$ 760,000	---	\$ 250,000	\$ 100,000	\$ 1,450,000
13-A	IMPROVEMENT 89-B1	MP 17.90			7.42	\$ 390,000	\$ 75,000	\$ 465,000	\$ 1,800,000	---	---	---	\$ 200,000	\$ 2,465,000
13-B	IMPROVEMENT 89-B2	MP 17.90			2.80	\$ 170,000	\$ 75,000	\$ 245,000	\$ 1,500,000	---	---	---	\$ 200,000	\$ 1,945,000
13-C	IMPROVEMENT 89-B3	MP 17.90			3.04	\$ 300,000	\$ 75,000	\$ 375,000	\$ 1,300,000	---	---	---	\$ 150,000	\$ 1,825,000
KY 82														KY 82
1	IMPROVEMENT 82-A	100+48 TO 115+96	1548	0.29	1.06	\$ 20,000	\$ 60,000	\$ 80,000	---	\$ 3,000,000	\$ 3,500,000	\$ 250,000	\$ 130,000	\$ 1,490,000
2	IMPROVEMENT 82-A	115+96 TO 120+96	500	0.09	0.81	\$ 15,000	\$ 20,000	\$ 35,000	---	\$ 280,000	---	\$ 1,030,000	\$ 30,000	\$ 345,000
3	IMPROVEMENT 82-A	120+96 TO 137+41	1645	0.31	1.64	\$ 25,000	\$ 65,000	\$ 90,000	---	---	\$ 1,090,000	---	\$ 110,000	\$ 1,290,000
4	IMPROVEMENT 82-A	137+41 TO 184+73	4732	0.90	6.70	\$ 100,000	\$ 180,000	\$ 280,000	---	---	\$ 3,140,000	\$ 700,000	\$ 380,000	\$ 4,500,000
5	IMPROVEMENT 82-A	184+73 TO 209+69	2496	0.47	2.91	\$ 45,000	\$ 95,000	\$ 140,000	---	---	\$ 1,650,000	\$ 250,000	\$ 200,000	\$ 2,240,000
6	IMPROVEMENT 82-A	209+69 TO 212+69	300	0.06	0.28	\$ 5,000	\$ 15,000	\$ 20,000	---	---	\$ 200,000	---	\$ 20,000	\$ 240,000
7	IMPROVEMENT 82-A	212+69 TO 225+68	1299	0.25	1.17	\$ 20,000	\$ 50,000	\$ 70,000	---	\$ 740,000	---	---	\$ 70,000	\$ 880,000
8	IMPROVEMENT 82-A	225+68 TO 230+18	450	0.09	0.41	\$ 10,000	\$ 20,000	\$ 30,000	---	---	\$ 300,000	---	\$ 30,000	\$ 360,000
9	IMPROVEMENT 82-A	230+18 TO 255+00	2482	0.47	1.76	\$ 30,000	\$ 100,000	\$ 130,000	---	\$ 1,410,000	---	\$ 250,000	\$ 170,000	\$ 1,960,000
10	IMPROVEMENT 82-A	255+00 TO 282+48	2748	0.52	2.94	\$ 55,000	\$ 105,000	\$ 160,000	---	---	\$ 1,820,000	\$ 250,000	\$ 210,000	\$ 2,440,000
11	IMPROVEMENT 82-A	282+48 TO 357+39	7491	1.42	2.65	\$ 40,000	\$ 285,000	\$ 325,000	---	\$ 4,260,000	---	---	\$ 430,000	\$ 5,015,000
12	IMPROVEMENT 82-A	357+39 TO 375+64	1825	0.35	3.08	\$ 50,000	\$ 70,000	\$ 120,000	---	---	\$ 1,210,000	\$ 375,000	\$ 160,000	\$ 1,865,000
13	IMPROVEMENT 82-A	375+64 TO 382+69	705	0.13	0.58	\$ 10,000	\$ 30,000	\$ 40,000	---	\$ 400,000	---	---	\$ 40,000	\$ 480,000
14	IMPROVEMENT 82-B	MP 0.35			1.45	\$ 25,000	\$ 75,000	\$ 100,000	\$ 650,000	---	---	---	\$ 60,000	\$ 810,000
15	IMPROVEMENT 82-A	393+00 TO 396+19	319	0.06	0.26	\$ 5,000	\$ 15,000	\$ 20,000	---	\$ 180,000	---	---	\$ 20,000	\$ 220,000
16	IMPROVEMENT 82-A	396+19 TO 410+00	1381	0.26	1.52	\$ 25,000	\$ 55,000	\$ 80,000	---	---	\$ 920,000	---	\$ 90,000	\$ 1,090,000
17	IMPROVEMENT 82-A	410+00 TO 451+50	4150	0.79	4.38	\$ 325,000	\$ 160,000	\$ 485,000	---	\$ 2,360,000	---	\$ 1,900,000	\$ 430,000	\$ 5,175,000
18	IMPROVEMENT 82-A	451+50 TO 469+00	1750	0.33	3.02	\$ 170,000	\$ 70,000	\$ 240,000	---	---	\$ 1,160,000	---	\$ 120,000	\$ 1,520,000

ROADWAY SEGMENT NUMBER	STA. TO STA. / SPOT IMPROVEMENT #	ESTIMATED PERMANENT R/W ACQUIRED		ESTIMATED BUILDINGS ACQUIRED NUMBER				REMARKS
		ACRES	SQ. FT.	COM.	RES.	FARM	STORAGE	
KY 52								
1	405+60 TO 438+26	2.696	117,426	---	---	---	---	
2	IMPROVEMENT 52-D	1.502	65,420	---	2	---	2	
3	617+50 TO 637+00	0.994	43,284	---	1	---	---	
KY 499								
1	IMPROVEMENT 499-A	3.929	171,139	---	1	---	---	
2	IMPROVEMENT 499-B	8.225	358,292	---	---	---	---	
KY 89								
1	197+11 TO 211+66	0.635	27,649	---	1	---	---	
2	211+66 TO 216+66	0.275	12,000	---	---	---	---	
3	216+66 TO 237+66	1.085	47,250	---	---	---	---	
4	237+66 TO 256+16	1.326	57,762	---	---	---	---	
5	256+16 TO 279+66	5.077	221,137	1	1	---	2	
6	279+66 TO 290+40	0.452	19,694	---	---	---	---	
7	290+40 TO 306+56	2.731	118,953	---	1	---	1	
8	306+56 TO 311+66	0.247	10,775	---	---	---	---	
9	311+66 TO 320+00	0.957	41,700	---	---	---	---	
10	320+00 TO 326+66	0.383	16,694	---	---	---	---	
11	326+66 TO 354+10	5.857	255,112	---	1	---	---	
12	354+10 TO 367+53	2.511	109,376	---	2	---	1	1-Vacant
13-A	IMPROVEMENT 89-B1	7.419	323,186	---	2	2	2	
13-B	IMPROVEMENT 89-B2	2.804	122,134	---	1	---	---	
13-C	IMPROVEMENT 89-B3	3.037	132,290	---	2	---	---	
KY 82								
1	100+48 TO 115+96	1.058	46,070	---	---	---	---	
2	115+96 TO 120+96	0.814	35,456	---	---	---	---	
3	120+96 TO 137+41	1.635	71,216	---	---	---	---	
4	137+41 TO 184+73	6.704	292,028	---	---	---	---	
5	184+73 TO 209+69	2.908	126,669	---	---	---	---	
6	209+69 TO 212+69	0.275	12,000	---	---	---	---	
7	212+69 TO 225+68	1.170	50,965	---	---	---	---	
8	225+68 TO 230+18	0.413	18,000	---	---	---	---	
9	230+18 TO 255+00	1.764	76,858	---	---	---	---	
10	255+00 TO 282+48	2.939	128,017	---	---	1	---	
11	282+48 TO 357+39	2.653	115,559	---	---	---	---	
12	357+39 TO 375+64	3.078	134,089	---	---	---	1	
13	375+64 TO 382+69	0.580	25,260	---	---	---	---	
14	IMPROVEMENT 82-B	1.448	63,054	---	---	---	---	
15	393+00 TO 396+19	0.260	11,315	---	---	---	---	
16	396+19 TO 410+00	1.516	66,058	---	---	---	1	
17	410+00 TO 451+50	4.377	190,645	1	---	---	2	Com. = Church
18	451+50 TO 469+00	3.023	131,700	---	1	---	---	



52-A: 2nd Southbound Left Turn Lane
MP: 12.97
Cost: \$400,000

52-E1: Increase Shoulder Width
MP: 18.64 to 19.39
Cost: \$3,525,000

52-C: Modify Access
MP: 19.78
Cost: \$475,000

52-D: Left Turn Lanes on KY 52 & Approach Road Realignment
MP: 21.0
Cost: \$1,200,000

499-B: Intersection Reconfiguration
MP: 9.22
Cost: \$3,425,000

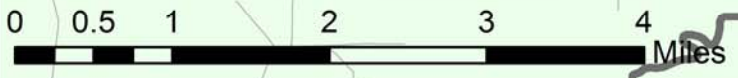
52-B: Left Turn Lanes on KY 52
MP: 17.78
Cost: \$650,000

52-E2: Increase Shoulder Width
Madison MP: 22.65 to 22.87
Estill MP: 0.00 to 0.15
Cost: \$3,485,000

499-A: Intersection Reconfiguration
MP: 7.74
Cost: \$2,835,000

Legend

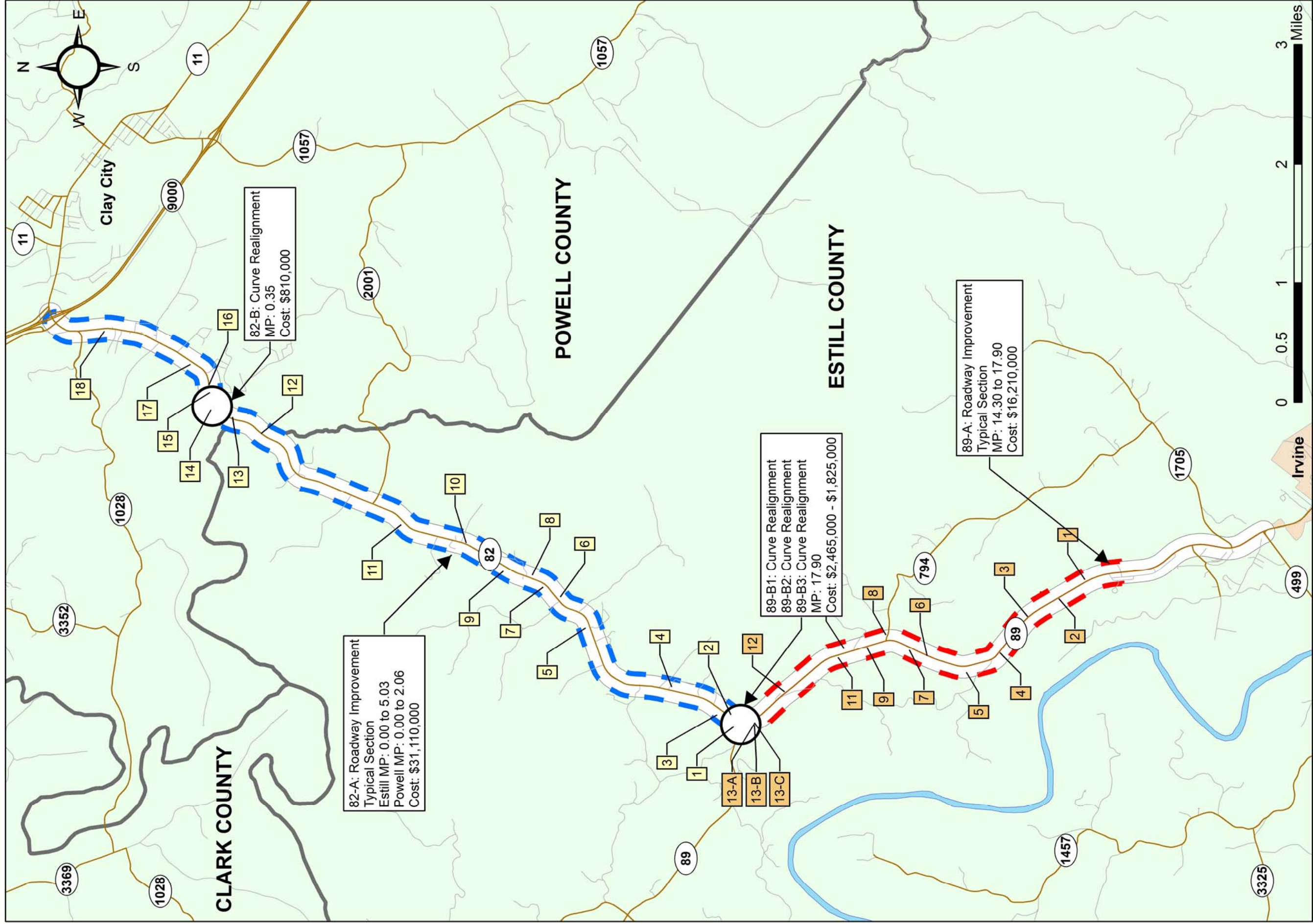
- Interstate Route
- State and US Routes
- KY 52 Improvement
- Study Area
- Spot Improvement
- KY 52 Project Segment
- KY 499 Project Segment



I-75 to Mountain Parkway Corridor Study

KY 52 and KY 499 Corridor Improvement Projects

PARSONS BRINCKERHOFF



82-A: Roadway Improvement
 Typical Section
 Estill MP: 0.00 to 5.03
 Powell MP: 0.00 to 2.06
 Cost: \$31,110,000

82-B: Curve Realignment
 MP: 0.35
 Cost: \$810,000

89-B1: Curve Realignment
 89-B2: Curve Realignment
 89-B3: Curve Realignment
 MP: 17.90
 Cost: \$2,465,000 - \$1,825,000

89-A: Roadway Improvement
 Typical Section
 MP: 14.30 to 17.90
 Cost: \$16,210,000

Legend

- State and US Routes
 - Study Area
 - KY 89 Improvement
 - KY 82 Improvement
 - Spot Improvement
 - KY 89 Project Segment
 - KY 82 Project Segment
- Note: See ROW Take spreadsheet for additional details

I-75 to Mountain Parkway Corridor Study

KY 82 and KY 89 Corridor Improvement Projects



PARSONS BRINCKERHOFF