

TABLE 2

I-66 APPALACIAN CORRIDOR SEGMENT-US 23 PIKE COUNTY, KY to KING COAL HIGHWAY, WV

INITIAL STUDY ALTERNATIVES

A-E-H-G-K	A-E-H-I-G-K	A-E-H-L-K	A-E-H-L-K	A-E-F-I-G-K	A-E-F-I-L-K	A-E-F-I-L-K	B-D-F-I-G-K	B-D-F-I-L-K	B-D-F-I-L-K	B-D-I-G-K	B-D-I-L-K	B-D-I-L-K	K-R	K-N-Q-R	K-O-Q-R	K-N-Q-R	K-O-Q-R	R-T	R-U
"BEST" BANDS ALTERNATIVES																			
North	na	na	North to South	na	na	na	South to North	na	South	na	na	na	North	na	na	na	South	North & South	na

ITEM	DETERMINANTS	RANK	DESIGNATION																			
			SECTION #1 US 23 to Kimper									SECTION #2 Kimper to West Virginia State Line						SECTION #3 WV State Line to KCH				
<b>1</b>	<b>PROPOSED ACCESSIBILITY</b>	<b>129.6</b>																				
a)	Population (within a 5 mile radius of a designated interchange)	98	21,200	21,200	21,200	20,750	21,200	21,200	20,750	19,600	19,400	19,950	19,800	19,460	18,950	8,600	8,950	8,950	8,950	8,950	6,050	4,950
b)	Pikeville (Government Services, emergency services, etc.) in miles	107	1.9	1.9	1.9	1.9	1.9	1.9	1.9	8.3	8.3	8.3	8.3	8.3	8.3	24	24	24	24	24	N/A	N/A
c)	Matewan (Government Services, emergency services, etc.) in miles	173	15.6	15.6	15.6	15.9	15.6	15.6	15.9	15.6	15.6	15.9	15.6	15.6	15.9	3.4	5.3	5.3	5.3	5.3	4.4	6.6
d)	Fishtrap Lake (Recreation at dam or campground) in miles	99	7.3/5.1	7.3/5.1	6.2/4	4.7/2.5	7.3/5.1	7.3/5.1	4.7/2.5	7.3/5.1	7.3/5.1	4.7/2.5	7.3/5.1	7.3/5.1	7.3/5.1	26.5/24.2	24.7/22.8	24.7/22.8	6.8/8.5	6.8/8.5	N/A	N/A
e)	Grants Branch Park in miles from designated interchange	162	8.6	8.6	8.6	7.8	8.6	8.6	7.8	8.6	8.6	7.8	8.6	8.6	7.8	8.9	11	11	7.8	7.8	N/A	N/A
f)	Hatfield-McCoy Feud Tour Sites in miles	157	21	21	21	20	21	21	20	21	21	20	21	21	20	1.3	3.6	3.6	3.6	3.6	1.3	0.8
g)	Potential Industrial Development Sites (acres within 5 miles of access point)	114	0	0	0	0	0	0	0	0	0	0	0	0	0	7	10	9	10	9	0	0
<b>2</b>	<b>ESTIMATED PROJECT COSTS</b>	<b>144.7</b>																				
a)	Total Project Costs (millions of dollars)	91	\$600	\$586	\$736	\$549	\$656	\$701	\$623	\$614	\$972	\$779	\$826	\$961	\$789	\$672	\$918	\$819	\$931	\$898	\$232	\$511
b)	Length of Truck Lanes (miles)	169	5.4	7.4	6	5.7	9.8	8.4	9.3	10.6	9.2	10.1	9.9	8.5	9.4	5.1	5.1	5.6	5.4	5.9	1.4	1.7
c)	Right of Way Costs (millions of dollars)	126	\$34	\$35	\$26	\$27	\$33	\$27	\$27	\$41	\$34	\$35	\$37	\$28	\$29	\$40	\$28	\$17	\$28	\$17	\$4	\$6
d)	Utility Relocation Costs (millions of dollars)	164	\$11	\$10	\$11	\$11	\$10	\$11	\$11	\$8	\$10	\$10	\$9	\$10	\$10	\$12	\$9	\$8	\$11	\$8	\$6	\$2
e)	Mineral Value (millions of dollars)	149	\$6.1	\$6.5	\$6.6	\$5.5	\$6.5	\$7.5	\$6.5	\$6.6	\$7.7	\$6.7	\$6.1	\$7.1	\$6.1	\$6.2	\$5.7	\$7.0	\$5.0	\$9.0	\$4.3	\$7.4
<b>3</b>	<b>POTENTIAL ENVIRONMENTAL IMPACTS</b>	<b>155.6</b>																				
a)	Number of Relocations (residential/business)	108	107/8	106/8	70/8	72/8	108/8	72/8	74/8	145/5	113/5	115/5	122/5	86/3	98/3	141/4	76/2	29/2	76/2	28/2	9/1	12/1
b)	Number of Mining Operations Impacted	161	0	0	0	0	0	0	0	1	1	1	0	0	0	4	9	7	8	6	2	1
c)	Geotechnical Conditions	140	3	1	4	2	6	7	5	3	4	5	1	6	2	2	4	1	5	3	2	1
d)	Length of Blue Line Stream Impacts	179	3.6	2.1	3	2	4	4.3	3.3	2.6	2.9	1.9	4.4	4.7	3.7	3.9	4.7	1.5	4.8	2.1	1.8	1.3
e)	Number and Acreage of Public Recreation Sites Affected	153	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
f)	Number of Wetlands Affected	168	1	1	1	1	1	1	1	3	3	3	2	2	2	0	0	1	0	1	0	0
g)	Number of Historic Sites Affected	142	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
h)	Number of UST/HZM Sites Affected	186	1	1	1	1	0	0	0	3	3	3	3	3	3	4	2	1	2	1	0	0
i)	Number of Community Services Affected	137	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
j)	Number of Cemeteries	155	1	1	1	1	2	2	2	5	4	4	3	3	3	4	2	1	1	1	0	0

☐ denotes the Preferred North to South Alternative as shown on Exhibits 4a - 4l. The three (3) highlighted columns above, in combination, make up the Preferred Alternative and provide most of the general data shown in Table 3.