

Table A-2: Geometric and Traffic Characteristics of Existing Highways

Begin MP	End MP	Length (miles)	No. of Lanes	Lane Width (feet) ¹	Shoulder Width (feet) ¹	% Passing Sight Distance ⁴	Speed Limit (mph)	Roadway Type	Terrain Type	Pavement Type	ADT		Truck %	LOS ¹	
											2002	2030		2002	2030
US 119, Harlan County															
13.2	14.6	1.3	4	12	10	**	55	Divided	Mountainous	High Flexible	9,200	22,200	7.7	A	B
14.6	16.2	1.6	2	12	10	70	55	Undivided	Mountainous	High Flexible	7,000	16,900	7.3	C	E
16.2	33.9	17.8	2	12	10	80	55	Undivided	Mountainous	High Flexible	5,400	13,000	5.4	C	D
33.9	35.7	1.8	4	12	10	**	55	Divided	Mountainous	High Flexible	4,400	10,600	6.9	A	A
35.7	39.2	3.4	2	12	10	20	55	Undivided	Mountainous	High Flexible	3,800	9,200	10.5	C	D
US 119, Letcher County															
0.0	1.4	1.4	2	12	12	0	55	Undivided	Mountainous	High Flexible	2,800	6,800	11.1	C	D
1.4	9.4	8.0	2	11	1	0	55	Undivided	Mountainous	High Flexible	1,800	4,300	11.1	C	D
9.4	10.3	0.9	2	10	1	0	55	Undivided	Mountainous	High Flexible	1,700	4,100	10.3	C	D
10.3	13.0	2.7	2	10	1	9	55	Undivided	Mountainous	High Flexible	1,700	4,100	9.9	C	D
13.0	13.4	0.4	2	14	8	9	55	Undivided	Mountainous	High Flexible	1,900	4,600	9.9	B	C
13.4	13.7	0.3	2	12	1	9	55	Undivided	Mountainous	High Flexible	1,900	4,600	9.9	C	C
13.7	14.4	0.7	2	11	2	9	55	Undivided	Mountainous	High Flexible	1,900	4,600	9.9	C	C
14.4	17.6	3.2	2	12	8	9	55	Undivided	Mountainous	High Flexible	3,300	8,000	9.7	C	D
US 421, Harlan County															
17.9	18.1	0.3	2	12	10	0	55	Undivided	Mountainous	High Flexible	2,500	4,900	14.8	D	D
18.1	24.9	6.8	2	12	2	17	55	Undivided	Mountainous	High Flexible	2,600	5,100	14.8	D	D
24.9	27.6	2.7	2	10	2	0	55	Undivided	Mountainous	High Flexible	2,600	5,100	13.3	C	C
US 421, Leslie County															
0.0	15.2	15.2	2	10	3	10	55	Undivided	Mountainous	High Flexible	2,000	3,900	14.4	C	C
15.2	21.0	5.8	2	10	3	25	55	Undivided	Mountainous	High Flexible	5,200	10,100	5.6	C	D
21.0	21.4	0.4	2	10	3	25	45	Undivided	Mountainous	High Flexible	5,200	10,100	5.6	C	D
21.4	21.8	0.4	2	10	8	25	35	Undivided	Mountainous	High Flexible	10,200	19,900	5.4	D	E
21.8	21.9	0.2	2	10	6	25	35	Undivided	Mountainous	High Flexible	10,200	19,900	5.4	D	E
21.9	22.2	0.3	2	12	curbed	0	25	Undivided	Mountainous	High Flexible	10,100	19,600	6.1	D	E
22.2	22.7	0.5	2	12	8	0	35	Undivided	Mountainous	High Flexible	7,800	15,200	6.6	D	D
22.7	35.4	12.7	2	10	4	0	55	Undivided	Mountainous	High Flexible	1,900	3,100	7.2	B	C
KY 160, Harlan County															
11.1	11.6	0.5	2	11	curbed	**	25	Undivided	Mountainous	High Flexible	11,700	19,300	n/a	D	D
11.6	11.8	0.2	2	11	7	0	25	Undivided	Mountainous	High Flexible	10,100	16,700	n/a	D	E
11.8	13.0	1.1	2	10	1	0	35	Undivided	Mountainous	High Flexible	2,300	3,800	n/a	C	C
13.0	14.6	1.6	2	10	1	0	55	Undivided	Mountainous	High Flexible	1,500	2,500	16	C	C

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Begin MP	End MP	Length (miles)	No. of Lanes	Lane Width (feet) ¹	Shoulder Width (feet) ¹	%Passing Sight Distance ²	Speed Limit (mph)	Roadway Type	Terrain Type	Pavement Type	ADT		Truck %	LOS ¹	
											2002	2030		2002	2030
KY 160, Letcher County															
0.0	1.6	1.6	2	9	1	0	55	Undivided	Mountainous	High Flexible	1,500	2,500	32.9	B	C
1.6	9.5	7.9	2	9	2	0	55	Undivided	Mountainous	Mixed Bituminous	1,100	1,800	32.9	A	B
9.5	21.8	12.4	2	9	2	0	55	Undivided	Mountainous	Mixed Bituminous	1,700	3,300	32.9	B	C
KY 221, Harlan County															
8.9	11.4	2.6	2	10	1	0	55	Undivided	Mountainous	Mixed Bituminous	2,600	4,300	n/a	B	C
11.4	26.8	15.4	2	10	1	0	55	Undivided	Mountainous	Mixed Bituminous	700	1,200	n/a	A	A
KY 221, Leslie County															
0.0	1.9	1.9	2	9	1	0	55	Undivided	Mountainous	Mixed Bituminous	600	1,000	n/a	A	A
KY 221, Perry County															
0.0	0.5	0.5	2	9	2	0	55	Undivided	Mountainous	Mixed Bituminous	260	400	n/a	A	A
KY 699, Leslie County															
0.0	16.0	16.0	2	9	2	0	55	Undivided	Mountainous	Mixed Bituminous	1,500	2,500	19.5	B	B
KY 699, Perry County															
0.0	12.5	12.5	2	10	2	1	55	Undivided	Mountainous	High Flexible	2,100	3,500	16.2	B	C
KY 118, Leslie County															
0.0	3.5	3.5	2	12	12	44	55	Undivided	Mountainous	High Flexible	4,500	8,700	7	C	D
3.5	3.5	0.1	2	12	12	0	55	Undivided	Flat	High Flexible	4,500	8,700	7	C	D
KY 80, Leslie County															
0.0	9.7	9.7	2	10	2	0	55	Undivided	Mountainous	High Flexible	3,200	5,300	9	C	C
KY 80, Perry County															
0.0	7.0	7.0	2	10	2	0	55	Undivided	Mountainous	High Flexible	3,800	6,300	14.5	C	C
7.0	7.9	0.9	2	10	2	0	35	Undivided	Mountainous	High Flexible	9,600	15,800	14.4	D	D
HR 9006, Hal Rogers Parkway, Leslie County															
35.9	44.1	8.1	2	12	10	54	55	Undivided	Mountainous	High Flexible	5,300	12,800	21.9	C	D
44.1	44.4	0.3	2	12	10	0	55	Undivided	Mountainous	High Rigid	5,700	13,800	19.6	C	E
44.4	51.0	6.6	2	12	10	74	55	Undivided	Mountainous	High Flexible	5,900	14,300	18	C	E
HR 9006, Hal Rogers Parkway, Perry County															
51.0	58.2	7.2	2	12	12	52	55	Undivided	Mountainous	High Flexible	6,900	16,700	23.8	D	E
58.2	59.1	0.9	4	12	12	52	55	Undivided	Mountainous	High Flexible	12,800	20,000	17.5	B	D

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											2002	2030		2002	2030
KY 7, Letcher County															
0.0	7.0	7.0	2	9	1	0	55	Undivided	Rolling	High Flexible	1,600	2,600	4	B	B
7.0	13.5	6.5	2	10	1	0	55	Undivided	Rolling	High Flexible	4,000	6,600	4	C	C
13.5	13.8	0.3	4	12	10	0	55	Divided	Mountainous	High Flexible	10,300	24,900	4	A	B
13.8	14.2	0.3	2	12	10	0	55	Undivided	Mountainous	High Flexible	10,300	24,900	n/a	D	F
KY 7, Perry County															
0.0	0.2	0.2	2	10	2	**	35	Undivided	Rolling	High Flexible	3,400	5,600	5.5	C	C
0.2	13.6	13.4	2	9	2	**	55	Undivided	Rolling	High Flexible	3,400	5,600	5.5	C	C
KY 15, Letcher County															
0.0	0.2	0.2	2	12	10	0	55	Divided	Mountainous	High Flexible	14,900	36,000	6.8	E	F
0.2	1.1	0.9	2	12	10	0	55	Undivided	Mountainous	High Flexible	14,900	36,000	6.8	E	F
1.1	1.1	0.0	3	12	10	0	55	Undivided	Mountainous	High Flexible	14,900	36,000	6.8	E	F
1.1	1.4	0.3	3	12	10	0	55	Divided	Mountainous	High Flexible	14,900	36,000	6.8	E	F
1.4	1.5	0.1	4	12	10	**	55	Divided	Mountainous	High Flexible	13,800	33,300	6.8	A	C
1.5	1.8	0.4	4	12	10	**	55	Undivided	Mountainous	High Flexible	13,800	33,300	6.8	A	C
1.8	2.3	0.4	3	12	10	45	55	Undivided	Mountainous	High Flexible	9,900	23,900	5.4	D	E
2.3	2.5	0.2	2	12	10	63	55	Undivided	Mountainous	High Flexible	11,200	27,100	5.1	D	F
2.5	3.3	0.7	2	12	3	63	55	Undivided	Mountainous	High Flexible	11,200	27,100	5.1	D	F
3.3	4.6	1.4	2	12	10	63	55	Undivided	Mountainous	High Flexible	11,200	27,100	5.1	D	F
4.6	5.9	1.3	2	12	3	63	55	Undivided	Mountainous	High Flexible	11,200	27,100	5.1	D	F
5.9	6.9	1.0	2	12	10	63	55	Undivided	Mountainous	High Flexible	10,900	26,300	6.6	D	F
6.9	7.7	0.8	2	12	3	63	55	Undivided	Mountainous	High Flexible	10,700	25,800	7.4	D	F
7.7	9.2	1.6	2	12	10	63	55	Undivided	Mountainous	High Flexible	10,600	25,600	7.9	D	F
9.2	9.7	0.4	4	12	3	**	55	Divided	Rolling	High Flexible	7,300	17,600	11.8	A	B
9.7	10.5	0.8	2	12	3	100	55	Undivided	Mountainous	High Flexible	7,300	17,600	11.8	C	E
10.5	10.7	0.2	2	12	10	100	55	Undivided	Mountainous	High Flexible	7,300	17,600	11.8	C	E
KY 15, Perry County															
0.0	4.0	4.0	2	12	10	13	55	Undivided	Mountainous	High Flexible	8,900	21,500	9.3	D	E
4.0	5.0	1.0	4	12	10	**	55	Divided	Rolling	High Flexible	9,700	23,400	9.3	A	B
5.0	6.0	1.1	2	12	10	0	55	Undivided	Rolling	High Flexible	9,700	23,400	9.3	D	E
6.0	11.1	5.1	4	12	12	**	55	Divided	Rolling	High Flexible	13,600	21,200	7	A	B
11.1	13.4	2.3	4	12	10	**	55	Divided	Rolling	High Flexible	19,400	30,300	7	B	C
13.4	13.6	0.2	4	12	8	**	55	Divided	Rolling	High Flexible	30,500	47,600	5.9	C	D
13.6	13.8	0.2	2	12	6	42	55	Undivided	Rolling	High Flexible	24,400	38,100	10.4	F	F
13.8	15.0	1.2	2	12	10	60	55	Undivided	Mountainous	High Flexible	23,800	37,100	10.7	F	F
15.0	15.3	0.3	2	12	10	60	55	Divided	Mountainous	High Flexible	23,800	37,100	10.7	F	F

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											2002	2030		2002	2030
KY 463, Letcher County															
0.0	3.3	3.3	2	10	1	0	55	Undivided	Mountainous	High Flexible	1,200	2,000	n/a	A	B
KY 463, Perry County															
0.0	6.5	6.5	2	9	2	0	55	Undivided	Mountainous	High Flexible	1,600	2,600	n/a	B	B

Source: KYTC Highway Information System (HIS)

¹ Lane and shoulder widths not meeting current design standards (i.e., less than 12-foot lanes and 2-foot shoulders), and poor LOS (i.e., D, E, F) are shaded.

² Percent Passing Sight Distance - the percent of segment length (estimated to the nearest 10%) which has available passing sight distance (as measured from the driver's eye to the road surface) of at least 1,500 feet. This information is only available for Kentucky maintained roads classified as State Primary or State Secondary.

n/a = not available