

## **APPENDIX C.**

### **TABLES**

- Table 1. Traffic and Geometric Data
- Table 2. Bridge Data
- Table 3. Crash Data Analysis
- Table 4. Six Year Highway Plan Improvements
- Table 5. 2003 Local Officials/Agencies/Public Meetings Questionnaire Results
- Table 6. 2004 Local Officials/Agencies/Stakeholder/Public Meetings Questionnaire Results
- Table 7. Estimated Costs for Priority Segments
- Table 8. Summary of Potential Environmental Impacts
- Table 9. Federal and State Threatened and Endangered Species Lists by Agency

**Table 1. Traffic and Geometric Data  
Adair County**

**KY 55, MP 10.059 to MP 18.909**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
Heartland Parkway from Louie B. Nunn Cumberland Parkway to Bluegrass Parkway

Functional Classification	Rural Principal Arterial	Appalachian Dev. Highway System	No
State System	State Primary	Average R/W	40 – 100
National Truck Network	Yes	Bike Route System	No
NHS	No	Coal Haul	No
Truck Weight Class	AA (MP 10.059 to MP 10.614) AAA (MP 10.614 to MP 18.909)	Defense Highway Network	Yes - 1585 (MP 10.06 to MP 11.18) 1590 (MP 11.18 to MP 18.909)
Type of Road	Undivided	Extended Weight System	No
Type of Terrain	Rolling	Forest Highway System	No
Number of Bridges	3	Scenic Byway System	Cumberland Cultural Heritage Highway (MP 10.614 to MP 18.909)
Pavement Type	High Flexible		

Begin MP	End MP	Length (Miles)	2003 ADT	2003 % Trucks	Annual Growth Rate	2030 ADT No Imp	2030 % Trucks	Number of Lanes	Lane Width (Feet)	Shoulder Width (Feet)	% Passing Sight Distance	Speed Limit (MPH)	2003 LOS	2030 LOS No Imp
10.059	10.159	0.100	10,700	9.3%	3.0%	N/A-bypass	-	2	12	2	-	35	E	N/A-bypass
10.159	10.316	0.157	10,700	9.3%	3.0%	N/A-bypass	-	2	14	2	-	35	E	N/A-bypass
10.316	10.470	0.154	22,400	6.7%	3.0%	N/A-bypass	-	2	14	2	-	35	E	N/A-bypass
10.470	10.614	0.144	25,700	5.8%	3.0%	N/A-bypass	-	2	14	2	-	35	E	N/A-bypass
10.614	10.720	0.106	25,400	5.9%	3.0%	N/A-bypass	-	2	12	2	-	35	E	N/A-bypass
10.720	11.170	0.450	15,300	9.8%	3.0%	N/A-bypass	-	2	12	3	-	35	F	N/A-bypass
11.170	11.190	0.000	28,600	5.2%	3.0%	N/A-bypass	-	2	12	2	-	25	F	N/A-bypass
11.190	11.310	0.120	15,400	9.7%	3.0%	N/A-bypass	-	2	12	2	-	35	F	N/A-bypass
11.310	11.519	0.209	16,200	9.3%	3.0%	N/A-bypass	-	2	12	2	-	35	F	N/A-bypass
11.519	11.780	0.261	14,100	10.6%	3.0%	N/A-bypass	-	2	12	10	45	45	E	N/A-bypass
11.780	12.849	1.069	12,000	8.3%	3.0%	26,700	13%	2	12	10	45	55	D	F
12.849	19.006	6.157	7,700	13.0%	3.0%	17,100	20%	2	12	10	45	55	D	E

Source: KYTC's *Highway Information System (HIS)* database; 2002 ADT data from KYTC's *Highway Information System (HIS)* database on 05/13/2003; Truck Percentage Data from Jordan, Jones & Goulding Inc.'s *Technical Memorandum – Traffic Forecast Report (March 31, 2004)*

**Table 1. Traffic and Geometric Data (continued)**

**Taylor County**

**KY 55, MP 0 to MP 10.293**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
Heartland Parkway from Louie B. Nunn Cumberland Parkway to Bluegrass Parkway

Functional Classification	Rural Principal Arterial (MP 0 to MP 9.066) Urban Principal Arterial (MP 9.066 to MP 10.293)	Appalachian Dev. Highway System	No
State System	State Primary	Average R/W	100 - 125
National Truck Network	Yes	Bike Route System	Midland Kentucky Tour (MP 0.675 to MP 2 and MP 6.546 to MP 9.066) Central Heartlands Tour (MP 0.675 to MP 2 and MP 6.546 to MP 9.066)
NHS	No	Coal Haul	No
Truck Weight Class	AAA	Defense Highway Network	1590 (MP 0 to MP 10.293)
Type of Road	Undivided	Extended Weight System	No
Type of Terrain	Rolling	Forest Highway System	No
Number of Bridges	3	Scenic Byway System	Cumberland Cultural Heritage Highway
Pavement Type	High Flexible		

Begin MP	End MP	Length (Miles)	2003 ADT	2003 % Trucks	Annual Growth Rate	2030 ADT No Imp	2030 % Trucks	Number of Lanes	Lane Width (Feet)	Shoulder Width (Feet)	% Passing Sight Distance	Speed Limit (MPH)	2003 LOS	2030 LOS No Imp
0.000	0.675	0.675	7,300	13.7%	3.0%	16,200	21%	2	12	10	0	55	D	E
0.675	5.483	4.808	7,400	13.5%	3.0%	16,400	21%	2	12	10	0 - 37	55	D	E
5.483	6.546	1.063	8,200	12.2%	3.0%	18,200	19%	2	12	10	90	55	C	E
6.546	8.003	1.457	10,600	9.4%	3.0%	23,500	14%	2	12	10	90	55	D	F
8.003	9.066	1.063	10,900	9.2%	3.0%	24,200	14%	2	12	10	-	55	D	F
9.066	10.293	1.227	9,300	8.6%	3.0%	20,700	13%	2	12	10	-	55	D	E

Source: KYTC's *Highway Information System (HIS)* database; 2002 ADT data from KYTC's *Highway Information System (HIS)* database on 05/13/2003; Truck Percentage Data from Jordan, Jones & Goulding Inc.'s *Technical Memorandum – Traffic Forecast Report (March 31, 2004)*

**Table 1. Traffic and Geometric Data (continued)****Taylor County****US 68, MP 4.87 to MP 13.531**Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
Heartland Parkway from Louie B. Nunn Cumberland Parkway to Bluegrass Parkway

Functional Classification	Urban Principal Arterial (MP 4.87 to 7.738) Rural Principal Arterial (MP 7.738 to MP 13.531)	Appalachian Dev. Highway System	No
State System	State Primary	Average R/W	72 - 225
National Truck Network	Yes	Bike Route System	No
NHS	No	Coal Haul	No
Truck Weight Class	AAA	Defense Highway Network	Yes - 1590 (MP 4.871 to MP 13.531)
Type of Road	Divided (MP 4.87 to MP 5.441 and MP 7.404 to MP 7.501) Undivided (MP 5.441 to MP 7.404 and MP 7.501 to MP 13.531)	Extended Weight System	No
Type of Terrain	Rolling	Forest Highway System	No
Number of Bridges	1	Scenic Byway System	No
Pavement Type	High Flexible		

Begin MP	End MP	Length (Miles)	2003 ADT	2003 % Trucks	Annual Growth Rate	2030 ADT No Imp	2030 % Trucks	Number of Lanes	Lane Width (Feet)	Shoulder Width (Feet)	% Passing Sight Distance	Speed Limit (MPH)	2003 LOS	2030 LOS No Imp
4.870	5.510	0.640	17,400	4.6%	3.0%	38,700	7%	4	10	2	-	45	C	C
5.510	5.687	0.177	18,000	4.4%	3.0%	40,000	7%	4	10	2	-	35	C	D
5.687	5.807	0.120	24,200	3.3%	3.0%	53,800	5%	4	10	0	-	35	C	D
5.807	5.923	0.116	22,700	3.5%	3.0%	50,400	5%	4	10	0	-	35	C	D
5.923	6.469	0.545	20,500	3.9%	3.0%	45,500	6%	4	10	2	-	35	C	D
6.469	6.703	0.234	17,300	4.6%	3.0%	38,400	7%	4	10	2	-	35	C	D
6.703	7.091	0.388	18,500	4.3%	3.0%	41,100	7%	4	10	2	0	45	B	D
7.091	7.404	0.313	12,200	6.6%	3.0%	27,100	10%	4	10	2	0	45	A	C
7.404	8.624	1.220	9,400	8.0%	3.0%	20,900	12%	2	12	12	48	55	D	E
8.624	9.530	0.906	8,500	8.8%	3.0%	18,900	13%	2	12	12	48	55	D	E
9.530	11.879	2.349	8,200	9.1%	3.0%	18,200	14%	2	12	12	0	55	D	E
11.879	13.531	1.652	6,500	11.5%	3.0%	14,400	18%	3	12	12	100	55	D	E

Source: KYTC's *Highway Information System (HIS)* database; 2002 ADT data from KYTC's *Highway Information System (HIS)* database on 05/13/2003; Truck Percentage Data from Jordan, Jones & Goulding Inc.'s *Technical Memorandum – Traffic Forecast Report (March 31, 2004)*

**Table 1. Traffic and Geometric Data (continued)**

**Marion County**

**US 68, MP 0 to MP 10.69**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
Heartland Parkway from Louie B. Nunn Cumberland Parkway to Bluegrass Parkway

Functional Classification	Rural Principal Arterial (MP 0 to MP9.13) Urban Principal Arterial (MP 9.13 to MP 10.69)	Appalachian Dev. Highway System	No
State System	State Primary	Average R/W	60 - 500
National Truck Network	Yes	Bike Route System	No
NHS	No	Coal Haul	No
Truck Weight Class	AAA	Defense Highway Network	Yes - 1590 (MP 0.00 to MP10.69)
Type of Road	Undivided (MP 0 to MP 9.816 and MP 9.924 to MP 10.69) Divided (MP 9.816 to MP 9.924)	Extended Weight System	No
Type of Terrain	Rolling	Forest Highway System	No
Number of Bridges	4	Scenic Byway System	No (Adjacent MP 10.69 to MP 23.819)
Pavement Type	High Flexible		

Begin MP	End MP	Length (Miles)	2003 ADT	2003 % Trucks	Annual Growth Rate	2030 ADT No Imp	2030 % Trucks	Number of Lanes	Lane Width (Feet)	Shoulder Width (Feet)	% Passing Sight Distance	Speed Limit (MPH)	2003 LOS	2030 LOS No Imp
0.000	4.503	4.503	6,500	11.5%	3.0%	14,400	18%	2	12	10	100	55	C	D
4.503	6.640	2.137	6,600	11.4%	3.0%	14,700	17%	2	12	10	100	55	C	E
6.640	8.619	1.979	8,400	8.9%	3.0%	18,700	14%	2	12	10	100	55	C	E
8.619	9.300	0.681	11,200	6.7%	3.0%	24,900	10%	2	12	10	100	55	D	F
9.300	9.864	0.564	11,900	8.4%	3.0%	N/A-bypass	-	2	12	2	80	45	E	N/A-bypass
9.864	9.924	0.600	17,400	5.7%	3.0%	N/A bypass	-	2	12	2	100	35	E	N/A-bypass
9.924	10.690	0.766	17,400	5.7%	3.0%	N/A bypass	-	4	10	0	100	35	E	N/A bypass

Source: KYTC's *Highway Information System (HIS)* database; 2002 ADT data from KYTC's *Highway Information System (HIS)* database on 05/13/2003; Truck Percentage Data from Jordan, Jones & Goulding Inc.'s *Technical Memorandum – Traffic Forecast Report (March 31, 2004)*

**Table 1. Traffic and Geometric Data (continued)**  
**Marion County**  
**KY 55, MP 0 to MP 4.669 & KY 49, MP 17.621 to MP 17.774**  
 Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
 Heartland Parkway from Louie B. Nunn Cumberland Parkway to Bluegrass Parkway

Functional Classification	Urban Principal Arterial (MP 0 to 2.025) Rural Principal Arterial (MP 2.025 to 4.669)	Appalachian Dev. Highway System	No
State System	State Primary	Average R/W	52 - 100
National Truck Network	Yes	Bike Route System	No
NHS	No	Coal Haul	No
Truck Weight Class	AAA	Defense Highway Network	Yes - 1590
Type of Road	Undivided (MP 0 to MP 4.669)	Extended Weight System	No
Type of Terrain	Rolling	Forest Highway System	No
Number of Bridges	4	Scenic Byway System	No
Pavement Type	High Flexible		

Note: The HIS data for KY 49 is the same as KY 55, except as noted. KY 49 is an Urban Principal Arterial and the average right-of-way width is 40'.

Begin MP	End MP	Length (Miles)	2003 ADT	2003 % Trucks	Annual Growth Rate	2030 ADT No Imp	2030 % Trucks	Number of Lanes	Lane Width (Feet)	Shoulder Width (Feet)	% Passing Sight Distance	Speed Limit (MPH)	2003 LOS	2030 LOS No Imp
0.000	0.389	0.389	13,100	7.6%	3.0%	N/A-bypass	-	4	12	0	-	35	B	N/A-bypass
0.389	0.567	0.178	13,400	7.5%	3.0%	N/A-bypass	-	4	10	0	-	35	B	N/A-bypass
0.567	0.570	0.003	13,300	7.5%	3.0%	N/A-bypass	-	4	12	0	-	35	B	N/A-bypass
0.570	0.784	0.214	12,500	8.0%	3.0%	N/A-bypass	-	2	17	0	-	35	C	N/A-bypass
0.784	1.358	0.574	12,000	8.3%	3.0%	N/A-bypass	-	4	13	0	-	45	A	N/A-bypass
1.358	2.023	0.665	9,000	10.3%	3.0%	N/A-bypass	-	2	12	0	-	55	D	N/A-bypass
2.023	4.669	2.646	8,400	8.9%	3.0%	18,700	14%	2	12	10	0	55	D	E

Begin MP	End MP	Length (Miles)	2003 ADT	2003 % Trucks	Annual Growth Rate	2030 ADT No Imp	2030 % Trucks	Number of Lanes	Lane Width (Feet)	Shoulder Width (Feet)	% Passing Sight Distance	Speed Limit (MPH)	2003 LOS	2030 LOS No Imp
17.621	17.774	0.153	22,400	6.7%	3.0%	N/A-bypass	-	2	10	0	-	35	E	N/A-bypass

Source: KYTC's *Highway Information System (HIS)* database; 2002 ADT data from KYTC's *Highway Information System (HIS)* database on 05/13/2003; Truck Percentage Data from Jordan, Jones & Goulding Inc.'s *Technical Memorandum – Traffic Forecast Report (March 31, 2004)*. Note: The KY 49 2003 ADT data was calculated using KY 55 2003 ADT data.

**Table 1. Traffic and Geometric Data (continued)**

**Washington County**

**KY 55, MP 0 to MP 4.551**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00

Heartland Parkway from Louie B. Nunn Cumberland Parkway to Bluegrass Parkway

Functional Classification	Rural Principal Arterial	Appalachian Dev. Highway System	No
State System	State Primary	Average R/W	100
National Truck Network	Yes	Bike Route System	No
NHS	No	Coal Haul	No
Truck Weight Class	AAA	Defense Highway Network	Yes - 1590 (MP 0 to MP 4.551)
Type of Road	Undivided	Extended Weight System	No
Type of Terrain	Rolling	Forest Highway System	No
Number of Bridges	3	Scenic Byway System	No
Pavement Type	High Flexible		

Begin MP	End MP	Length (Miles)	2003 ADT	2003 % Trucks	Annual Growth Rate	2030 ADT No Imp	2030 % Trucks	Number of Lanes	Lane Width (Feet)	Shoulder Width (Feet)	% Passing Sight Distance	Speed Limit (MPH)	2003 LOS	2030 LOS No Imp
0.000	2.803	2.803	8,500	8.8%	3.0%	18,900	13%	2	12	10	0	55	D	E
2.803	4.551	1.748	7,600	9.2%	3.0%	16,900	14%	2	12	10	0	55	D	D

Source: KYTC's *Highway Information System (HIS)* database; 2002 ADT data from KYTC's *Highway Information System (HIS)* database on 05/13/2003; Truck Percentage Data from Jordan, Jones & Goulding Inc.'s *Technical Memorandum – Traffic Forecast Report (March 31, 2004)*

**Table 1. Traffic and Geometric Data (continued)**

**Washington County**

**KY 555, MP 0 to MP 14.738**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
Heartland Parkway from Louie B. Nunn Cumberland Parkway to Bluegrass Parkway

Functional Classification	Rural Principal Arterial	Appalachian Dev. Highway System	No
State System	State Primary	Average R/W	100 - 220
National Truck Network	Yes	Bike Route System	No
NHS	No	Coal Haul	No
Truck Weight Class	AAA	Defense Highway Network	Yes - 1595 (MP 0 to MP 14.738)
Type of Road	Undivided	Extended Weight System	No
Type of Terrain	Rolling	Forest Highway System	No
Number of Bridges	5	Scenic Byway System	No
Pavement Type	High Flexible		

Begin MP	End MP	Length (Miles)	2003 ADT	2003 % Trucks	Annual Growth Rate	2030 ADT No Imp	2030 % Trucks	Number of Lanes	Lane Width (Feet)	Shoulder Width (Feet)	% Passing Sight Distance	Speed Limit (MPH)	2003 LOS	2030 LOS No Imp
0.000	0.841	0.841	6,700	10.4%	1.4%	9,800*	16%	2	12	12	-	55	C	E
0.841	2.100	1.259	4,800	13.5%	2.6%	9,600*	21%	2	12	12	100	55	B	D
2.100	6.215	4.115	4,700	13.8%	3.0%	10,400	21%	2	12	12	32	55	C	D
6.215	10.380	4.165	3,200	20.3%	3.0%	7,100	31%	2	12	10	32	55	C	D
10.380	14.738	4.358	3,700	17.6%	3.0%	8,200	27%	2	12	10	60	55	C	D

Source: KYTC's *Highway Information System (HIS)* database; 2002 ADT data from KYTC's *Highway Information System (HIS)* database on 05/13/2003; Truck Percentage Data from Jordan, Jones & Goulding Inc.'s *Technical Memorandum – Traffic Forecast Report (March 31, 2004)*

\* Note: Growth rate on these segments reflects the impact of the US 150 Bypass in Springfield

**Table 1. Traffic and Geometric Data (continued)  
Adair & Marion Counties  
Bypass Segments**

**Adair County**

Begin MP	End MP	Length (Miles)	2003 ADT	2003 % Trucks	Annual Growth Rate	2030 ADT No Imp	2030 % Trucks	Number of Lanes	Lane Width (Feet)	Shoulder Width (Feet)	% Passing Sight Distance	Speed Limit (MPH)	2003 LOS	2030 LOS No Imp
KY 55	KY 767	1.600	4,400	8.0%	4.0%	12,700	12%	2	12	10	60	55	N/A	E
KY 767	School	0.500	4,600	8.0%	4.0%	13,300	12%	2	12	10	60	55	N/A	E
School	KY 61	0.700	4,900	7.4%	4.0%	14,100	11%	2	12	10	60	55	N/A	E
KY 61	KY 80	1.200	4,000	9.4%	4.0%	11,500	14%	2	12	10	60	55	N/A	E
KY 80	KY 55	1.300	3,700	9.4%	4.0%	10,700	14%	2	12	10	60	55	N/A	D

**Marion County**

Begin MP	End MP	Length (Miles)	2003 ADT	2003 % Trucks	Annual Growth Rate	2030 ADT No Imp	2030 % Trucks	Number of Lanes	Lane Width (Feet)	Shoulder Width (Feet)	% Passing Sight Distance	Speed Limit (MPH)	2003 LOS	2030 LOS No Imp
KY 55	KY 429	0.800	3,800	14.0%	2.3%	7,000	21%	2	12	10	60	55	N/A	D
KY 429	KY 49	1.200	3,400	14.0%	2.3%	6,300	21%	2	12	10	60	55	N/A	D
KY 49	US 68	1.000	4,400	14.0%	2.3%	8,000	21%	2	12	10	60	55	N/A	D

Source: KYTC's *Highway Information System (HIS)* database; 2002 ADT data from KYTC's *Highway Information System (HIS)* database on 05/13/2003; Truck Percentage Data from Jordan, Jones & Goulding Inc.'s *Technical Memorandum – Traffic Forecast Report (March 31, 2004)*

**Table 1a. Traffic and Geometric Data**  
**Adair, Green, Taylor, Marion, & Washington Counties**  
 Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
 Heartland Parkway from Louie B. Nunn Cumberland Parkway to Martha Layne Collins Blue Grass Parkway

Route	Begin MP	End MP	Length	2003 ADT	2003 % Trucks	Annual Growth Rate	2030 ADT Option 1	2030 % Trucks	Number of Lanes	Lane Width (feet)	Shoulder Width (feet)	Passing % Sight Distance	Speed Limit (mph)	2030 LOS Option 1
HP	LBNCP	KY 80	0.400	-	-	-	16,300	18%	4	12	10	N/A	65	B
HP	KY 80	KY 61	1.600	-	-	-	12,200	18%	4	12	10	N/A	65	B
HP	KY 61	US 68	15.800	-	-	-	19,300	18%	4	12	10	N/A	65	C
HP	US 68	KY 210	3.200	-	-	-	13,900	18%	4	12	10	N/A	65	B
HP	KY 210	KY 84	14.800	-	-	-	22,800	18%	4	12	10	N/A	65	C
HP	KY 84	US 150	10.600	-	-	-	22,300	18%	4	12	10	N/A	65	C
HP	US 150	MLCBGP	12.600	-	-	-	9,400	18%	4	12	10	N/A	65	A

Source: KYTC's Highway Information System (HIS) d'base; 2003 ADT data from KYTC's Highway Information System (HIS) d'base on 05/13/2003; 2030 Data by Jordan, Jones and Goulding,

**Table 1a. Traffic and Geometric Data (continued)**  
**Adair County**  
**KY 55, MP 10.059 to MP 19.006**  
 Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
 Heartland Parkway from Louie B. Nunn Cumberland Parkway to Martha Layne Collins Blue Grass Parkway

Begin MP	End MP	Length (Miles)	Annual Growth Rate	2003 ADT	2030 ADT No Imp.	2030 ADT Option 1	2030 ADT Option 2 (w/l-66)	2030 ADT Option 2 (wo/l-66)	2030 ADT Option 3 (w/l-66)	2030 ADT Option 3 (wo/l-66)	2003% Trucks	2030 % Trucks No Imp.	2030 % Trucks Option 1	2030 % Trucks Option 2	2030 % Trucks Option 3	Number of Lanes
10.059	10.159	0.1	-	10,700	17,900	14,500	17,900	17,900	17,900	17,900	8.8%	13%	3%	13%	13%	2
10.159	10.316	0.157	-	10,700	17,900	14,500	17,900	17,900	17,900	17,900	8.8%	13%	3%	13%	13%	2
10.316	10.47	0.154	-	22,400	28,000	24,600	28,000	28,000	28,000	28,000	6.7%	10%	2%	10%	10%	2
10.47	10.614	0.144	-	25,700	26,400	23,000	26,400	26,400	26,400	26,400	9.9%	15%	3%	15%	15%	2
10.614	10.72	0.106	-	25,400	28,000	24,600	28,000	28,000	28,000	28,000	9.4%	14%	3%	14%	14%	2
10.72	11.17	0.45	-	15,300	26,500	23,100	26,500	26,500	26,500	26,500	9.8%	15%	3%	15%	15%	2
11.17	11.19	0.02	-	28,600	28,000	24,600	28,000	28,000	28,000	28,000	5.7%	9%	2%	9%	9%	2
11.19	11.31	0.12	-	15,400	23,800	20,400	23,800	23,800	23,800	23,800	9.7%	15%	3%	15%	15%	2
11.31	11.519	0.209	-	16,200	25,600	22,200	25,600	25,600	25,600	25,600	9.3%	14%	3%	14%	14%	2
11.519	11.78	0.261	-	14,100	22,000	18,600	22,000	22,000	22,000	22,000	10.2%	15%	3%	15%	15%	2
11.78	12.849	1.069	3.0%	12,000	26,700	21,500	36,800	34,600	32,600	30,400	8.3%	13%	3%	13%	13%	2
12.849	19.006	6.157	3.0%	7,700	17,100	11,900	24,400	22,200	21,700	19,500	13.0%	20%	4%	20%	20%	2

Begin MP	End MP	Lane Width (Feet)	Shoulder Width (Feet)	Passing % Sight Distance	Speed Limit (MPH)	2003 LOS	2030 LOS No Imp.	2030 LOS Option 1	2030 LOS Option 2 (w/l-66)	2030 LOS Option 2 (wo/l-66)	2030 LOS Option 3 (w/l-66)	2030 LOS Option 3 (wo/l-66)
10.059	10.159	12	2	-	35	E	F	E	F	F	F	F
10.159	10.316	14	2	-	35	E	F	E	F	F	F	F
10.316	10.47	14	2	-	35	E	F	E	F	F	F	F
10.47	10.614	14	2	-	35	E	F	E	F	F	F	F
10.614	10.72	12	2	-	35	E	F	E	F	F	F	F
10.72	11.17	12	2	-	35	F	F	F	F	F	F	F
11.17	11.19	12	2	-	35	F	F	F	F	F	F	F
11.19	11.31	12	2	-	35	F	F	F	F	F	F	F
11.31	11.519	12	2	-	35	F	F	F	F	F	F	F
11.519	11.78	12	10	45	55	E	E	E	E	E	E	E
11.78	12.849	12	10	45	55	D	F	E	D	C	F	F
12.849	19.006	12	10	45	55	D	E	D	C	B	E	E

Source: KYTC's Highway Information System (HIS) d'base; 2003 ADT data from KYTC's Highway Information System (HIS) d'base on 05/13/2003; 2030 Data by Jordan, Jones and Goulding.

**Table 1a. Traffic and Geometric Data (continued)**  
**Adair County**  
**Columbia Bypass, MP KY 55 to MP KY 55**  
 Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
 Heartland Parkway from Louie B. Nunn Cumberland Parkway to Martha Layne Collins Blue Grass Parkway

Begin MP	End MP	Length (Miles)	Annual Growth Rate Option 1	Annual Growth Rate Option 2	Annual Growth Rate Option 3	2003 ADT	2030 ADT No Imp.	2030 ADT Option 1	2030 ADT Option 2 (w/l-66)	2030 ADT Option 2 (wo/l-66)	2030 ADT Option 3 (w/l-66)	2030 ADT Option 3 (wo/l-66)	2003 % Trucks Option 1	2003 % Trucks Option 2	2003 % Trucks Option 3
KY 55	KY 767	1.600	4.0%	4.0%	4.0%	4,400	12,700	10,900	14,900	12,700	14,900	12,700	8.0%	8.0%	8.0%
KY 767	School	0.500	4.0%	4.0%	4.0%	4,600	13,300	11,500	15,500	13,300	15,500	13,300	8.0%	8.0%	8.0%
School	KY 61	0.700	4.0%	4.0%	4.0%	4,900	14,100	12,300	16,300	14,100	16,300	14,100	7.4%	7.4%	7.4%
KY 61	KY 80	1.200	4.0%	4.0%	4.0%	4,000	11,500	10,100	13,700	11,500	13,700	11,500	9.4%	9.4%	9.4%
KY 80	KY 55	1.300	4.0%	4.0%	4.0%	3,700	10,700	9,300	12,900	10,700	12,900	10,700	9.4%	9.4%	9.4%

Begin MP	End MP	2030 % Trucks Option 1	2030 % Trucks Option 2	2030 % Trucks Option 3	2003 LOS	2030 LOS No Imp.	2030 LOS Option 1	2030 LOS Option 2 (w/l-66)	2030 LOS Option 2 (wo/l-66)	2030 LOS Option 3 (w/l-66)	2030 LOS Option 3 (wo/l-66)
KY 55	KY 767	2%	12%	12%	-	E	D	B	A	E	E
KY 767	School	2%	12%	12%	-	E	D	B	A	E	E
School	KY 61	2%	11%	11%	-	E	E	B	A	E	E
KY 61	KY 80	3%	14%	14%	-	D	D	A	A	E	D
KY 80	KY 55	3%	14%	14%	-	D	D	A	A	E	D

Source: KYTC's Highway Information System (HIS) d'base; 2003 ADT data from KYTC's Highway Information System (HIS) d'base on 05/13/2003; 2030 Data by Jordan, Jones and Goulding,

**Table 1a. Traffic and Geometric Data (continued)**  
**Taylor County**  
**KY 55, MP 0 to MP 10.293**  
 Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
 Heartland Parkway from Louie B. Nunn Cumberland Parkway to Martha Layne Collins Blue Grass Parkway

Begin MP	End MP	Length (Miles)	Annual Growth Rate	2003 ADT	2030 ADT No Imp.	2030 ADT Option 1	2030 ADT Option 2 (w/l-66)	2030 ADT Option 2 (wo/l-66)	2030 ADT Option 3 (w/l-66)	2030 ADT Option 3 (wo/l-66)	2003% Trucks	2030 % Trucks No Imp.	2030 % Trucks Option 1	2030 % Trucks Option 2	2030 % Trucks Option 3
0	0.675	0.675	3.0%	7,300	16,200	11,000	23,200	21,000	20,700	18,500	13.7%	21%	4%	21%	21%
0.675	5.483	4.808	3.0%	7,400	16,400	11,200	22,400	21,300	19,800	18,700	13.5%	21%	4%	21%	21%
5.483	6.546	1.063	3.0%	8,200	18,200	13,000	24,700	23,600	21,900	20,800	12.2%	19%	4%	19%	19%
6.546	8.003	1.457	3.0%	10,600	23,500	18,300	31,700	30,600	27,900	26,800	9.4%	14%	3%	14%	14%
8.003	8.500	0.497	3.0%	10,900	24,200	19,000	32,500	31,400	28,700	27,600	9.2%	14%	3%	14%	14%
8.500	9.066	0.566	3.0%	10,900	24,200	19,000	23,400	23,400	23,400	23,400	9.2%	14%	3%	14%	14%
9.066	10.293	1.227	3.0%	9,300	20,700	15,500	19,900	19,900	19,900	19,900	8.6%	13%	3%	13%	13%

Begin MP	End MP	Length (Miles)	Number of Lanes	Lane Width (Feet)	Shoulder Width (Feet)	Passing % Sight Distance	Speed Limit (MPH)	2003 LOS	2030 LOS No Imp.	2030 LOS Option 1	2030 LOS Option 2 (w/l-66)	2030 LOS Option 2 (wo/l-66)	2030 LOS Option 3 (w/l-66)	2030 LOS Option 3 (wo/l-66)
0	0.675	0.675	2	12	2	-	35	E	E	D	C	B	E	E
0.675	5.483	4.808	2	14	2	-	35	E	E	D	B	B	E	E
5.483	6.546	1.063	2	14	2	-	35	E	E	D	C	C	E	E
6.546	8.003	1.457	2	14	2	-	35	E	E	E	D	D	F	F
8.003	8.500	0.497	2	12	2	-	35	E	F	E	D	D	F	F
8.500	9.066	0.566	2	12	2	-	35	E	F	E	E	E	E	E
9.066	10.293	1.227	2	12	2	-	35	F	E	E	E	E	E	E

Source: KYTC's Highway Information System (HIS) d'base; 2003 ADT data from KYTC's Highway Information System (HIS) d'base on 05/13/2003; 2030 Data by Jordan, Jones and Goulding,

**Table 1a. Traffic and Geometric Data (continued)**  
**Taylor County**  
**Campbellsville Bypass, MP KY 55 to MP US 68**  
 Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
 Heartland Parkway from Louie B. Nunn Cumberland Parkway to Martha Layne Collins Blue Grass Parkway

Begin MP	End MP	Length (Miles)	Annual Growth Rate Option 1	Annual Growth Rate Option 2	Annual Growth Rate Option 3	2003 ADT	2030 ADT No Imp.	2030 ADT Option 1	2030 ADT Option 2 (w/l-66)	2030 ADT Option 2 (wo/l-66)	2030 ADT Option 3 (w/l-66)	2030 ADT Option 3 (wo/l-66)	2003 % Trucks Option 1	2003 % Trucks Option 2
KY 55	KY 70	3.400	-	4.0%	3.5%	-	-	-	11,800	10,700	10,500	9,400	-	-
KY 70	US 68	3.500	-	4.0%	3.5%	-	-	-	9,800	9,800	8,600	8,600	-	-

Begin MP	End MP	2003 % Trucks Option 3	2030 % Trucks Option 1	2030 % Trucks Option 2	2030 % Trucks Option 3	2003 LOS	2030 LOS No Imp.	2030 LOS Option 1	2030 LOS Option 2 (w/l-66)	2030 LOS Option 2 (wo/l-66)	2030 LOS Option 3 (w/l-66)	2030 LOS Option 3 (wo/l-66)
KY 55	KY 70	-	-	11%	11%	-	-	-	A	A	D	D
KY 70	US 68	-	-	14%	14%	-	-	-	A	A	D	D

Source: KYTC's Highway Information System (HIS) d'base; 2003 ADT data from KYTC's Highway Information System (HIS) d'base on 05/13/2003; 2030 Data by Jordan, Jones and Goulding,

**Table 1a. Traffic and Geometric Data (continued)**  
**Taylor County**  
**US 68, MP 4.87 to MP 13.531**  
 Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
 Heartland Parkway from Louie B. Nunn Cumberland Parkway to Martha Layne Collins Blue Grass Parkway

Begin MP	End MP	Length (Miles)	Annual Growth Rate	2003 ADT	2030 ADT No Imp.	2030 ADT Option 1	2030 ADT Option 2 (w/l-66)	2030 ADT Option 2 (wo/l-66)	2030 ADT Option 3 (w/l-66)	2030 ADT Option 3 (wo/l-66)	2003% Trucks	2030 % Trucks No Imp.	2030 % Trucks Option 1	2030 % Trucks Option 2	2030 % Trucks Option 3	Number of Lanes
4.870	5.510	0.64	3.0%	17,400	38,700	31,500	45,300	45,300	45,300	45,300	4.6%	7%	1%	7%	7%	4
5.510	5.687	0.177	3.0%	16,300	36,200	29,000	45,300	45,300	45,300	45,300	4.9%	7%	1%	7%	7%	4
5.687	5.807	0.12	3.0%	24,200	53,800	46,600	51,700	51,700	51,700	51,700	3.3%	5%	1%	5%	5%	4
5.807	5.923	0.116	3.0%	22,700	50,400	43,200	45,700	45,700	45,700	45,700	3.5%	5%	1%	5%	5%	4
5.923	6.469	0.545	3.0%	20,500	45,500	38,300	45,700	45,700	45,700	45,700	3.9%	6%	1%	6%	6%	4
6.469	6.703	0.234	3.0%	17,300	38,400	31,200	45,700	45,700	45,700	45,700	4.6%	7%	1%	7%	7%	4
6.703	7.091	0.388	3.0%	18,500	41,100	33,900	39,200	39,200	39,200	39,200	4.3%	7%	1%	7%	7%	4
7.091	7.404	0.313	3.0%	12,200	27,100	19,900	39,200	39,200	39,200	39,200	6.6%	10%	2%	10%	10%	4
7.404	8.624	1.22	3.0%	9,400	20,900	13,700	13,300	13,300	13,300	13,300	8.0%	12%	2%	12%	12%	2
8.624	9.530	0.906	3.0%	8,500	18,900	11,700	13,300	13,300	13,300	13,300	8.8%	13%	3%	13%	13%	2
9.530	11.879	2.349	3.0%	8,200	18,200	11,000	23,600	23,600	20,800	20,800	9.1%	14%	3%	14%	14%	2
11.879	13.531	1.652	3.0%	6,500	14,400	7,200	18,700	18,700	16,500	16,500	11.5%	18%	4%	18%	18%	2

Source: KYTC's Highway Information System (HIS) d'base; 2003 ADT data from KYTC's Highway Information System (HIS) d'base on 05/13/2003; 2030 Data by Jordan, Jones and Goulding,

**Table 1a. Traffic and Geometric Data (continued)**  
**Taylor County**  
**US 68, MP 4.87 to MP 13.531**  
 Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
 Heartland Parkway from Louie B. Nunn Cumberland Parkway to Martha Layne Collins Blue Grass Parkway

Begin MP	End MP	Lane Width (Feet)	Shoulder Width (Feet)	Passing % Sight Distance	Speed Limit (MPH)	2003 LOS	2030 LOS No Imp.	2030 LOS Option 1	2030 LOS Option 2 (w/l-66)	2030 LOS Option 2 (wo/l-66)	2030 LOS Option 3 (w/l-66)	2030 LOS Option 3 (wo/l-66)
4.870	5.510	10	2	-	45	C	C	C	D	D	D	D
5.510	5.687	10	2	-	35	C	D	C	D	D	D	D
5.687	5.807	10	2	-	35	C	D	C	D	D	D	D
5.807	5.923	10	2	-	35	C	D	C	D	D	D	D
5.923	6.469	10	2	-	35	C	D	C	D	D	D	D
6.469	6.703	10	2	-	35	C	D	C	D	D	D	D
6.703	7.091	10	2	0	45	B	D	C	D	D	D	D
7.091	7.404	10	2	0	45	A	C	B	D	D	D	D
7.404	8.624	12	12	48	55	D	E	E	E	E	E	E
8.624	9.530	12	12	48	55	D	E	D	E	E	E	E
9.530	11.879	12	12	0	55	D	E	D	B	B	E	E
11.879	13.531	12	12	0	55	D	E	D	B	B	E	E

Source: KYTC's Highway Information System (HIS) d'base; 2003 ADT data from KYTC's Highway Information System (HIS) d'base on 05/13/2003; 2030 Data by Jordan, Jones and Goulding,

**Table 1a. Traffic and Geometric Data (continued)**  
**Marion County**  
**US 68, MP 4.87 to MP 13.531**  
 Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
 Heartland Parkway from Louie B. Nunn Cumberland Parkway to Martha Layne Collins Blue Grass Parkway

Begin MP	End MP	Length (Miles)	Annual Growth Rate	2003 ADT	2030 ADT No Imp.	2030 ADT Option 1	2030 ADT Option 2 (w/l-66)	2030 ADT Option 2 (wo/l-66)	2030 ADT Option 3 (w/l-66)	2030 ADT Option 3 (wo/l-66)	2003% Trucks	2030 % Trucks No Imp.	2030 % Trucks Option 1	2030 % Trucks Option 2	2030 % Trucks Option 3	Number of Lanes
0	4.503	4.503	3.0%	6,500	14,400	7,200	18,700	18,700	16,500	16,500	11.5%	18%	4%	18%	18%	2
4.503	6.640	2.137	3.0%	6,600	14,700	7,500	19,000	19,000	16,700	16,700	11.4%	17%	3%	17%	17%	2
6.640	8.629	1.979	3.0%	8,400	18,700	11,500	24,200	24,200	21,300	21,300	8.9%	14%	3%	14%	14%	2
8.629	9.300	0.681	3.0%	11,200	24,900	17,700	32,300	32,300	28,400	28,400	6.7%	10%	2%	10%	10%	2
9.300	9.864	0.564	-	11,900	17,500	15,700	17,500	17,500	17,500	17,500	8.8%	13%	3%	13%	13%	2
9.864	10.690	0.826	-	17,400	23,000	21,200	23,000	23,000	23,000	23,000	5.7%	9%	2%	9%	9%	2

Begin MP	End MP	Lane Width (Feet)	Shoulder Width (Feet)	Passing % Sight Distance	Speed Limit (MPH)	2003 LOS	2030 LOS No Imp.	2030 LOS Option 1	2030 LOS Option 2 (w/l-66)	2030 LOS Option 2 (wo/l-66)	2030 LOS Option 3 (w/l-66)	2030 LOS Option 3 (wo/l-66)
0	4.503	12	10	100	55	C	D	C	B	B	E	E
4.503	6.640	12	10	100	55	C	E	C	B	B	E	E
6.640	8.629	12	10	100	55	C	E	D	B	B	E	E
8.629	9.300	12	10	100	55	D	F	E	D	D	F	F
9.300	9.864	12	2	100	45	E	E	D	E	E	E	E
9.864	10.690	12	2	100	45	E	E	D	E	E	E	E

Source: KYTC's Highway Information System (HIS) d'base; 2003 ADT data from KYTC's Highway Information System (HIS) d'base on 05/13/2003; 2030 Data by Jordan, Jones and Goulding,

**Table 1a. Traffic and Geometric Data (continued)**  
**Marion County**  
**Lebanon Bypass, MP KY 55 to MP US 68**  
 Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
 Heartland Parkway from Louie B. Nunn Cumberland Parkway to Martha Layne Collins Blue Grass Parkway

Begin MP	End MP	Length (Miles)	Annual Growth Rate Option 1	Annual Growth Rate Option 2	Annual Growth Rate Option 3	2003 ADT	2030 ADT No Imp.	2030 ADT Option 1	2030 ADT Option 2 (w/l-66)	2030 ADT Option 2 (wo/l-66)	2030 ADT Option 3 (w/l-66)	2030 ADT Option 3 (wo/l-66)	2003 % Trucks No Imp.	2003 % Trucks Option 1	2003 % Trucks Option 2	2003 % Trucks Option 3
KY 55	KY 429	0.80	3.0%	4.0%	3.5%	3,800	8,400	2,200	11,500	11,000	10,100	9,600	14%	14%	14%	14%
KY 429	KY 49	1.20	3.0%	4.0%	3.5%	3,400	7,600	1,400	10,300	9,800	9,100	8,600	14%	14%	14%	14%
KY 49	US 68	1.00	3.0%	4.0%	3.5%	4,400	9,800	4,400	12,700	12,700	11,100	11,100	14%	14%	14%	14%

Begin MP	End MP	2030 % Trucks No Imp.	2030 % Trucks Option 1	2030 % Trucks Option 2	2030 % Trucks Option 3	2003 LOS	2030 LOS No Imp.	2030 LOS Option 1	2030 LOS Option 2 (w/l-66)	2030 LOS Option 2 (wo/l-66)	2030 LOS Option 3 (w/l-66)	2030 LOS Option 3 (wo/l-66)
KY 55	KY 429	21%	4%	21%	21%	-	D	B	A	A	D	D
KY 429	KY 49	21%	4%	21%	21%	-	D	A	A	A	D	D
KY 49	US 68	21%	4%	21%	21%	-	E	C	A	A	D	D

Source: KYTC's Highway Information System (HIS) d'base; 2003 ADT data from KYTC's Highway Information System (HIS) d'base on 05/13/2003; 2030 Data by Jordan, Jones and Goulding,

**Table 1a. Traffic and Geometric Data (continued)**  
**Marion County**  
**KY 55, MP 0 to MP 4.669**  
 Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
 Heartland Parkway from Louie B. Nunn Cumberland Parkway to Martha Layne Collins Blue Grass Parkway

Begin MP	End MP	Length (Miles)	Annual Growth Rate	2003 ADT	2030 ADT No Imp.	2030 ADT Option 1	2030 ADT Option 2 (w/l-66)	2030 ADT Option 2 (wo/l-66)	2030 ADT Option 3 (w/l-66)	2030 ADT Option 3 (wo/l-66)	2003% Trucks	2030 % Trucks No Imp.	2030 % Trucks Option 1	2030 % Trucks Option 2	2030 % Trucks Option 3	Number of Lanes
0	0.389	0.389	-	13,100	19,000	18,700	19,000	19,000	19,000	19,000	7.6%	12%	2%	12%	12%	4
0.389	0.567	0.178	-	13,400	19,000	18,700	19,000	19,000	19,000	19,000	7.5%	11%	2%	11%	11%	4
0.567	0.57	0.003	-	13,300	19,000	18,700	19,000	19,000	19,000	19,000	7.5%	11%	2%	11%	11%	4
0.57	0.784	0.214	-	12,500	16,000	15,700	16,000	16,000	16,000	16,000	8.0%	12%	2%	12%	12%	2
0.784	1.358	0.574	-	12,000	13,600	13,300	13,600	13,600	13,600	13,600	8.3%	13%	3%	13%	13%	4
1.358	2.023	0.665	-	9,700	11,300	11,000	11,300	11,300	11,300	11,300	10.3%	16%	3%	16%	16%	2
2.023	4.669	2.646	3.0%	8,500	18,900	12,400	25,000	24,500	22,000	21,500	8.8%	13%	3%	13%	13%	2

Begin MP	End MP	Lane Width (Feet)	Shoulder Width (Feet)	Passing % Sight Distance	Speed Limit (MPH)	2003 LOS	2030 LOS No Imp.	2030 LOS Option 1	2030 LOS Option 2 (w/l-66)	2030 LOS Option 2 (wo/l-66)	2030 LOS Option 3 (w/l-66)	2030 LOS Option 3 (wo/l-66)
0	0.389	12	0	-	35	B	C	C	C	C	C	C
0.389	0.567	10	0	-	35	B	C	C	C	C	C	C
0.567	0.57	12	0	-	35	B	C	C	C	C	C	C
0.57	0.784	17	0	-	35	C	C	C	C	C	C	C
0.784	1.358	13	0	-	55	A	A	A	A	A	A	A
1.358	2.023	12	0	-	55	D	D	D	D	D	D	D
2.023	4.669	12	10	0	55	D	E	E	C	C	E	E

Source: KYTC's Highway Information System (HIS) d'base; 2003 ADT data from KYTC's Highway Information System (HIS) d'base on 05/13/2003; 2030 Data by Jordan, Jones and Goulding,

**Table 1a. Traffic and Geometric Data (continued)**  
**Washington County**  
**KY 55, MP 0 to MP 4.551**  
 Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
 Heartland Parkway from Louie B. Nunn Cumberland Parkway to Martha Layne Collins Blue Grass Parkway

Begin MP	End MP	Length (Miles)	Annual Growth Rate	2003 ADT	2030 ADT No Imp.	2030 ADT Option 1	2030 ADT Option 2 (w/l-66)	2030 ADT Option 2 (wo/l-66)	2030 ADT Option 3 (w/l-66)	2030 ADT Option 3 (wo/l-66)	2003% Trucks	2030 % Trucks No Imp.	2030 % Trucks Option 1	2030 % Trucks Option 2	2030 % Trucks Option 3	Number of Lanes
0	2.803	2.803	3.0%	8,500	18,900	12,400	25,000	24,500	22,000	21,500	8.80%	13%	3%	13%	13%	2
2.803	4.55	1.748	3.0%	7,600	16,900	10,400	22,400	21,900	19,700	19,200	9.20%	14%	3%	14%	14%	2

Begin MP	End MP	Lane Width (Feet)	Shoulder Width (Feet)	Passing % Sight Distance	Speed Limit (MPH)	2003 LOS	2030 LOS No Imp.	2030 LOS Option 1	2030 LOS Option 2 (w/l-66)	2030 LOS Option 2 (wo/l-66)	2030 LOS Option 3 (w/l-66)	2030 LOS Option 3 (wo/l-66)
0	2.803	12	10	0	55	D	E	E	C	C	E	E
2.803	4.55	12	10	0	55	D	E	D	C	C	E	E

Source: KYTC's Highway Information System (HIS) d'base; 2003 ADT data from KYTC's Highway Information System (HIS) d'base on 05/13/2003; 2030 Data by Jordan, Jones and Goulding,

**Table 1a. Traffic and Geometric Data (continued)**  
**Washington County**  
**KY 555, MP 0 to MP 14.738**  
 Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
 Heartland Parkway from Louie B. Nunn Cumberland Parkway to Martha Layne Collins Blue Grass Parkway

Begin MP	End MP	Length (Miles)	Annual Growth Rate	2003 ADT	2030 ADT No Imp.	2030 ADT Option1	2030 ADT Option 2 (w/l-66)	2030 ADT Option 2 (wo/l-66)	2030 ADT Option 3 (w/l-66)	2030 ADT Option 3 (wo/l-66)	2003% Trucks	2030 % Trucks No Imp.	2030 % Trucks Option 1	2030 % Trucks Option 2	2030 % Trucks Option 3	Number of Lanes
0	0.841	0.841	1.4%	6,700	9,800	6,800	19,400	19,300	17,100	17,000	10.4%	16%	3%	16%	16%	2
0.841	2.1	1.259	2.6%	4,800	9,600	6,600	13,900	13,800	12,300	12,200	13.5%	21%	4%	21%	21%	2
2.1	6.215	4.115	3.0%	4,700	10,400	7,400	13,700	13,600	12,000	11,900	13.8%	21%	4%	21%	21%	2
6.215	10.38	4.165	3.0%	3,200	7,100	4,100	9,300	9,200	8,200	8,100	20.3%	31%	6%	31%	31%	2
10.38	14.738	4.358	3.0%	3,700	8,200	5,200	10,800	10,700	9,500	9,400	17.6%	27%	5%	27%	27%	2

Begin MP	End MP	Lane Width (Feet)	Shoulder Width (Feet)	Passing % Sight Distance	Speed Limit (MPH)	2003 LOS	2030 LOS No Imp.	2030 LOS Option 1	2030 LOS Option 2 (w/l-66)	2030 LOS Option 2 (wo/l-66)	2030 LOS Option 3 (w/l-66)	2030 LOS Option 3 (wo/l-66)
0	0.841	12	12	-	55	C	E	C	B	B	E	E
0.841	2.1	12	12	100	55	B	D	B	B	B	D	D
2.1	6.215	12	12	32	55	C	D	D	A	A	D	D
6.215	10.38	12	10	Varies	55	C	D	C	A	A	D	D
10.38	14.738	12	10	60	55	C	D	C	A	A	D	D

Source: KYTC's Highway Information System (HIS) d'base; 2003 ADT data from KYTC's Highway Information System (HIS) d'base on 05/13/2003; 2030 Data by Jordan, Jones and Goulding,

**Table 2. Bridge Data  
Adair & Taylor Counties**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
Heartland Parkway from Louie B. Nunn Cumberland Parkway to Bluegrass Parkway

**Adair County**

Route	Bridge MP	Bridge No.	Bridge Length	Bridge Width	Horizontal Clearance	Sufficiency Rating	Structural <sup>1</sup> Function	Feature Intersected
KY 55	10.059	B00053	201	51.3	50	97.1	-	Louie B. Nunn Cumberland Parkway
KY 55	11.657	B00052	172	36	26	66.8	F	Russell Creek
KY 55	12.89	B00071	24	Culvert	24	94.9	-	Butlers Branch

**Taylor County**

Route	Bridge MP	Bridge No.	Bridge Length	Bridge Width	Horizontal Clearance	Sufficiency Rating	Structural <sup>1</sup> Function	Feature Intersected
KY 55	2.615	B00015	436	35	30.4	82.7	-	Green River
KY 55	2.925	B00014	21	Culvert	24	90.7	-	Pinch Creek
KY 55	10.146	B00044	202	48	44	100	-	West Main Street

**Taylor County**

Route	Bridge MP	Bridge No.	Bridge Length	Bridge Width	Horizontal Clearance	Sufficiency Rating	Structural <sup>1</sup> Function	Feature Intersected
US 68	5.554	B00042	31	Culvert	52	74.4	-	Buckhorn Creek

<sup>1</sup> S – indicates Structurally Deficient; F – indicates Functionally Obsolete

Source: KYTC's *Highway Information System (HIS)* database

**Table 2. Bridge Data (continued)**  
**Marion & Washington Counties**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
 Heartland Parkway from Louie B. Nunn Cumberland Parkway to Bluegrass Parkway

**Marion County**

Route	Bridge MP	Bridge No.	Bridge Length	Bridge Width	Horizontal Clearance	Sufficiency Rating	Structural <sup>1</sup> Function	Feature Intersected
US 68	1.706	B00024	38	30	24	90.3	-	State Creek
US 68	5.239	B00072	360	44	44	97.3	-	Rolling Fork
US 68	5.953	B00073	24	Culvert	99.5	93.9	-	Buckhorn Creek
US 68	10.266	B00022	39	Culvert	48	63.1	-	Hardin's Creek

**Marion County**

Route	Bridge MP	Bridge No.	Bridge Length	Bridge Width	Horizontal Clearance	Sufficiency Rating	Structural <sup>1</sup> Function	Feature Intersected
KY 55	2.781	B00069	106	47.2	44	96.3	-	Cartwright Creek

**Washington County**

Route	Bridge MP	Bridge No.	Bridge Length	Bridge Width	Horizontal Clearance	Sufficiency Rating	Structural <sup>1</sup> Function	Feature Intersected
KY 55	1.549	B00048	26	Culvert	44	98.1	-	Servant Run
KY 55	4.24	B00043	37	46.7	28.5	83.4	-	Road Run Branch
KY 55	4.53	B00024	48	20	19	70.6	F	Road Run Creek

<sup>1</sup> S – indicates Structurally Deficient; F – indicates Functionally Obsolete

Source: KYTC's *Highway Information System (HIS)* database

**Table 2. Bridge Data (continued)**  
**Washington County**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
 Heartland Parkway from Louie B. Nunn Cumberland Parkway to Bluegrass Parkway

**Washington County**

Route	Bridge MP	Bridge No.	Bridge Length	Bridge Width	Horizontal Clearance	Sufficiency Rating	Structural <sup>1</sup> Function	Feature Intersected
KY 555	0.02	B00047	28	Culvert	24	95.4	-	Haydon Branch
KY 555	3.457	B00046	284	47.9	44	90.2	-	Beech Fork River
KY 555	7.038	B00006	34	44	30	80	-	Mays Creek
KY 555	8.284	B00005	286	33.2	30.2	78.5	-	Long Lick Creek
KY 555	14.23	B00010	195	33	52.5	77.7	-	Bluegrass Parkway

<sup>1</sup> S – indicates Structurally Deficient; F – indicates Functionally Obsolete  
 Source: KYTC's *Highway Information System (HIS)* database

**Table 3. Crash Data Analysis**  
**Adair County**  
**Segment Analysis**  
 Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
 Heartland Parkway from Louie B. Nunn Cumberland Parkway to Bluegrass Parkway

**Adair County**

Route	Begin MP	End MP	Length (miles)	2002 ADT	Number of Lanes	Divided/ Undivided	Rural/ Urban	Avg. Acc. Rate	Critical Acc. Rate	Accidents				HMVM	Rates per HMVM				Critical Rate Factor
										Fatal	Injury	PDO	Total		Fatal	Injury	PDO	Total	
KY 55	10.059	10.159	0.100	10,700	2	Undivided	Rural	252	540.473	0	1	3	4	0.02	0.00	42.67	128.02	170.70	0.32
KY 55	10.159	10.316	0.157	10,700	2	Undivided	Rural	252	478.788	0	1	10	11	0.04	0.00	27.18	271.81	299.00	0.62
KY 55	10.316	10.44	0.124	22,300	2	Undivided	Rural	252	426.430	0	3	12	15	0.06	0.00	49.54	198.16	247.70	0.58
KY 55	10.44	10.614	0.174	25,700	2	Undivided	Rural	252	387.778	0	9	42	51	0.10	0.00	91.90	428.87	520.77	<b>1.34</b>
KY 55	10.614	10.768	0.154	25,400	2	Undivided	Rural	252	397.553	0	1	21	22	0.09	0.00	11.67	245.14	256.82	0.65
KY 55	10.768	11.151	0.383	15,300	2	Undivided	Rural	252	370.047	1	3	26	30	0.13	7.79	23.38	202.60	233.77	0.63
KY 55	11.151	11.188	0.037	28,600	2	Undivided	Rural	252	542.197	0	0	5	5	0.02	0.00	0.00	215.75	215.75	0.40
KY 55	11.188	11.313	0.125	15,400	2	Undivided	Rural	252	463.023	0	3	8	11	0.04	0.00	71.16	189.76	260.93	0.56
KY 55	11.313	11.519	0.206	16,200	2	Undivided	Rural	252	410.104	0	6	9	15	0.07	0.00	82.10	123.14	205.24	0.50
KY 55	11.519	11.757	0.238	14,100	2	Undivided	Rural	252	409.647	0	3	10	13	0.07	0.00	40.82	136.07	176.89	0.43
KY 55	11.757	12.9	1.143	12,000	2	Undivided	Rural	252	328.277	3	13	18	34	0.30	9.99	43.28	59.92	113.19	0.34
KY 55	12.9	18.706	5.806	7,710	2	Undivided	Rural	252	293.811	0	9	36	45	0.98	0.00	9.18	36.72	45.90	0.16

Source: KYTC's *Highway Information System (HIS)* database; Kentucky Transportation Center's *Analysis of Traffic Accident Data in Kentucky (1997-2001)* report; 2002 ADT data from KYTC's *Highway Information System (HIS)* database on 05/13/2003

**Table 3. Crash Data Analysis (continued)**

**Taylor County  
Segment Analysis**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
Heartland Parkway from Louie B. Nunn Cumberland Parkway to Bluegrass Parkway

**Taylor County**

Route	Begin MP	End MP	Length (miles)	2002 ADT	Number of Lanes	Divided/Undivided	Rural/Urban	Avg. Acc. Rate	Critical Acc. Rate	Accidents				HMVM	Rates per HMVM				Critical Rate Factor
										Fatal	Injury	PDO	Total		Fatal	Injury	PDO	Total	
KY 55	0	0.665	0.665	7,330	2	Undivided	Rural	252	381.843	1	5	19	25	0.11	9.37	46.84	177.99	234.19	0.61
KY 55	0.665	5.4	4.735	7,290	2	Undivided	Rural	252	299.694	0	13	37	50	0.76	0.00	17.20	48.95	66.14	0.22
KY 55	5.4	6.546	1.146	8,190	2	Undivided	Rural	252	344.629	1	8	22	31	0.21	4.87	38.92	107.03	150.82	0.44
KY 55	6.546	8.003	1.457	10,600	2	Undivided	Rural	252	323.792	0	9	12	21	0.34	0.00	26.61	35.48	62.09	0.19
KY 55	8.003	9.066	1.063	10,900	2	Undivided	Urban	308	399.717	0	4	6	10	0.25	0.00	15.76	23.65	39.41	0.10
KY 55	9.066	10.293	1.227	9,290	2	Undivided	Urban	308	400.486	0	7	25	32	0.25	0.00	28.04	100.15	128.19	0.32

Route	Begin MP	End MP	Length (miles)	2002 ADT	Number of Lanes	Divided/Undivided	Rural/Urban	Avg. Acc. Rate	Critical Acc. Rate	Accidents				HMVM	Rates per HMVM				Critical Rate Factor
										Fatal	Injury	PDO	Total		Fatal	Injury	PDO	Total	
US 68	4.87	5.553	0.683	17,400	4	Divided	Urban	307	397.394	0	8	28	36	0.16	0.00	50.00	175.00	225.00	0.57
US 68	5.553	5.687	0.134	18,000	4	Divided	Urban	307	512.849	0	7	33	40	0.05	0.00	140.00	660.00	800.00	<b>1.56</b>
US 68	5.687	5.807	0.120	24,200	4	Undivided	Urban	500	736.270	0	6	31	37	0.02	0.00	300.00	1550.00	1850.00	<b>2.51</b>
US 68	5.807	5.923	0.116	22,700	4	Undivided	Urban	500	748.535	0	8	27	35	0.04	0.00	200.00	675.00	875.00	<b>1.17</b>
US 68	5.923	6.442	0.519	20,500	4	Undivided	Urban	500	621.475	0	15	48	63	0.16	0.00	93.75	300.00	393.75	0.63
US 68	6.442	6.703	0.261	17,300	4	Undivided	Urban	500	688.231	0	3	11	14	0.06	0.00	50.00	183.33	233.33	0.34
US 68	6.703	7.091	0.388	18,500	4	Undivided	Urban	500	648.461	0	3	14	17	0.10	0.00	30.00	140.00	170.00	0.26
US 68	7.091	7.404	0.313	12,200	4	Undivided	Urban	500	705.164	0	1	7	8	0.06	0.00	16.67	116.67	133.33	0.19
US 68	7.404	8.6	1.196	9,410	2	Undivided	Urban	308	401.091	0	3	10	13	0.17	0.00	17.65	58.82	76.47	0.19
US 68	8.6	9.404	0.804	8,520	2	Undivided	Rural	252	360.912	0	2	5	7	0.11	0.00	18.18	45.45	63.64	0.18
US 68	9.404	11.879	2.475	8,170	2	Undivided	Rural	252	314.580	0	3	8	11	0.28	0.00	10.71	28.57	39.29	0.12
US 68	11.879	13.33	1.451	6,450	2	Undivided	Rural	252	344.765	2	7	9	18	0.16	12.50	43.75	56.25	112.50	0.33

Source: KYTC's Highway Information System (HIS) database; Kentucky Transportation Center's Analysis of Traffic Accident Data in Kentucky (1997-2001) report; 2002 ADT data from KYTC's Highway Information System (HIS) database on 05/13/2003

**Table 3. Crash Data Analysis (continued)**  
**Marion County**  
**Segment Analysis**  
 Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
 Heartland Parkway from Louie B. Nunn Cumberland Parkway to Bluegrass Parkway

**Marion County**

Route	Begin MP	End MP	Length (miles)	2002 ADT	Number of Lanes	Divided/Undivided	Rural/Urban	Avg. Acc. Rate	Critical Acc. Rate	Accidents				HMVM	Rates per HMVM				Critical Rate Factor
										Fatal	Injury	PDO	Total		Fatal	Injury	PDO	Total	
US 68	0	3.9	3.900	6,450	2	Undivided	Rural	252	308.003	0	33	76	109	0.42	0.00	78.57	180.95	259.52	0.84
US 68	3.9	6.54	2.640	6,580	2	Undivided	Rural	252	319.614	1	7	12	20	0.21	4.76	33.33	57.14	95.24	0.30
US 68	6.54	8.619	2.079	8,380	2	Undivided	Rural	252	319.513	1	9	10	20	0.24	4.17	37.50	41.67	83.33	0.26
US 68	8.619	9.319	0.700	11,200	2	Undivided	Rural	252	353.601	1	4	8	13	0.11	9.09	36.36	72.73	118.18	0.33
US 68	9.319	9.864	0.545	11,900	2	Undivided	Rural	252	364.026	0	4	25	29	0.10	0.00	40.00	250.00	290.00	0.80
US 68	9.864	10.69	0.826	17,400	2	Divided	Urban	308	390.170	0	20	76	96	0.21	0.00	95.24	361.90	457.14	0.78

Route	Begin MP	End MP	Length (miles)	2002 ADT	Number of Lanes	Divided/Undivided	Rural/Urban	Avg. Acc. Rate	Critical Acc. Rate	Accidents				HMVM	Rates per HMVM				Critical Rate Factor
										Fatal	Injury	PDO	Total		Fatal	Injury	PDO	Total	
KY 55	0	0.389	0.389	13,100	4	Undivided	Urban	500	676.905	0	29	51	80	0.07	0.00	414.29	728.57	1142.86	<b>1.06</b>
KY 55	0.389	0.57	0.181	12,000	4	Undivided	Urban	500	774.618	0	6	22	28	0.03	0.00	200.00	733.33	933.33	<b>1.20</b>
KY 55	0.57	0.784	0.214	12,500	2	Undivided	Urban	308	503.318	0	2	8	10	0.04	0.00	50.00	200.00	250.00	0.50
KY 55	0.784	1.358	0.574	12,000	4	Undivided	Urban	500	651.622	0	1	14	15	0.10	0.00	10.00	140.00	150.00	0.15
KY 55	1.358	2.023	0.665	8,960	2	Undivided	Rural	252	369.035	0	2	2	4	0.09	0.00	22.22	22.22	44.44	0.12
KY 55	2.023	4.569	2.546	8,370	2	Undivided	Rural	252	312.931	0	3	10	13	0.32	0.00	9.38	31.25	40.63	0.13

Source: KYTC's Highway Information System (HIS) database; Kentucky Transportation Center's Analysis of Traffic Accident Data in Kentucky (1997-2001) report; 2002 ADT data from KYTC's Highway Information System (HIS) database on 05/13/2003

Route	Begin MP	End MP	Length (miles)	2002 ADT	Number of Lanes	Divided/Undivided	Rural/Urban	Avg. Acc. Rate	Critical Acc. Rate	Accidents				HMVM	Rates per HMVM				Critical Rate Factor
										Fatal	Injury	PDO	Total		Fatal	Injury	PDO	Total	
KY 49	17.834	17.93	0.096	22,400	4	Undivided	Urban	500	516.143	0	0	0	5	0.02	0.00	0.00	0.00	250.00	0.48

Source: KYTC's Highway Information System (HIS) database; Kentucky Transportation Center's Analysis of Traffic Accident Data in Kentucky (1997-2001) report; all KY 49 traffic data from 2000-2003

**Table 3. Crash Data Analysis (continued)**  
**Washington County**  
**Segment Analysis**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
 Heartland Parkway from Louie B. Nunn Cumberland Parkway to Bluegrass Parkway

**Washington County**

Route	Begin MP	End MP	Length (miles)	2002 ADT	Number of Lanes	Divided/ Undivided	Rural/ Urban	Avg. Acc. Rate	Critical Acc. Rate	Accidents				HMVM	Rates per HMVM				Critical Rate Factor
										Fatal	Injury	PDO	Total		Fatal	Injury	PDO	Total	
KY 55	0	2.803	2.803	8,500	2	Undivided	Rural	252	309.570	2	15	23	40	0.35	5.71	42.86	65.71	114.29	0.25
KY 55	2.803	4.551	1.748	7,630	2	Undivided	Rural	252	329.376	0	3	21	24	0.19	0.00	15.79	110.53	126.32	0.38

Route	Begin MP	End MP	Length (miles)	2002 ADT	Number of Lanes	Divided/ Undivided	Rural/ Urban	Avg. Acc. Rate	Critical Acc. Rate	Accidents				HMVM	Rates per HMVM				Critical Rate Factor
										Fatal	Injury	PDO	Total		Fatal	Injury	PDO	Total	
KY 555	0	0.841	0.841	6,700	2	Undivided	Rural	252	372.461	0	16	24	40	0.08	0.00	200.00	300.00	500.00	<b>1.34</b>
KY 555	0.841	2.075	1.234	4,830	2	Undivided	Rural	252	369.017	0	1	0	1	0.09	0.00	11.11	0.00	11.11	0.03
KY 555	2.075	6.215	4.140	4,690	2	Undivided	Rural	252	315.886	0	2	7	9	0.28	0.00	7.14	25.00	32.14	0.10
KY 555	6.215	10.7	4.485	3,230	2	Undivided	Rural	252	326.177	0	3	4	7	0.2	0.00	15.00	20.00	35.00	0.11
KY 555	10.7	14.523	3.823	3,710	2	Undivided	Rural	252	326.982	0	11	8	19	0.24	0.00	45.83	33.33	79.17	0.24

Source: KYTC's Highway Information System (HIS) database; Kentucky Transportation Center's Analysis of Traffic Accident Data in Kentucky (1997-2001) report; 2002 ADT data from KYTC's Highway Information System (HIS) database on 05/13/2003

**Table 3. Crash Data Analysis  
Adair County  
Spot Analysis**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
Heartland Parkway from Louie B. Nunn Cumberland Parkway to Martha Layne Collins Blue Grass Parkway

**Adair County**

Route	Begin MP	End MP	Length (miles)	2002 ADT	Number of Lanes	Divided/Undivided	Rural/Urban	Avg. Acc. Rate	Critical Acc. Rate	Accidents				MVM	Rates per MVM				Critical Rate Factor
										Fatal	Injury	PDO	Total		Fatal	Injury	PDO	Total	
KY 55	10.059	10.159	0.100	10,700	2	Undivided	Rural	0.25	0.537	0	1	3	4	23.43	0.00	0.04	0.13	0.17	0.32
KY 55	10.259	10.359	0.100	10,700	2	Undivided	Rural	0.25	0.537	0	2	12	14	23.43	0.00	0.09	0.51	0.60	<b>1.11</b>
KY 55	10.370	10.470	0.100	22,300	2	Undivided	Rural	0.25	0.445	0	2	12	14	48.84	0.00	0.04	0.25	0.29	0.64
KY 55	10.480	10.580	0.100	25,700	2	Undivided	Rural	0.25	0.431	0	8	18	26	56.28	0.00	0.14	0.32	0.46	<b>1.07</b>
KY 55	10.585	10.685	0.100	25,700	2	Undivided	Rural	0.25	0.431	0	1	25	26	56.28	0.00	0.02	0.44	0.46	<b>1.07</b>
KY 55	10.705	10.805	0.100	15,300	2	Undivided	Rural	0.25	0.487	0	1	24	25	33.51	0.00	0.03	0.72	0.75	<b>1.53</b>
KY 55	10.850	10.950	0.100	15,300	2	Undivided	Rural	0.25	0.487	0	2	1	3	33.51	0.00	0.06	0.03	0.09	0.18
KY 55	10.957	11.057	0.100	15,300	2	Undivided	Rural	0.25	0.487	1	0	8	9	33.51	0.03	0.00	0.24	0.27	0.55
KY 55	11.079	11.179	0.100	15,300	2	Undivided	Rural	0.25	0.487	0	1	10	11	33.51	0.00	0.03	0.30	0.33	0.67
KY 55	11.180	11.280	0.100	28,600	2	Undivided	Rural	0.25	0.421	0	2	11	13	62.63	0.00	0.03	0.18	0.21	0.49
KY 55	11.282	11.382	0.100	15,400	2	Undivided	Rural	0.25	0.487	0	1	3	4	33.73	0.00	0.03	0.09	0.12	0.24
KY 55	11.416	11.516	0.100	16,200	2	Undivided	Rural	0.25	0.480	0	1	3	4	35.48	0.00	0.03	0.08	0.11	0.23
KY 55	11.519	11.619	0.100	14,100	2	Undivided	Rural	0.25	0.498	0	6	8	14	30.88	0.00	0.19	0.26	0.45	0.91
KY 55	11.651	11.751	0.100	14,100	2	Undivided	Rural	0.25	0.498	0	1	4	5	30.88	0.00	0.03	0.13	0.16	0.33
KY 55	11.757	11.857	0.100	14,100	2	Undivided	Rural	0.25	0.498	0	2	7	9	30.88	0.00	0.06	0.23	0.29	0.59
KY 55	11.900	12.000	0.100	12,000	2	Undivided	Rural	0.25	0.520	0	2	1	3	26.28	0.00	0.08	0.04	0.11	0.22
KY 55	12.057	12.157	0.100	12,000	2	Undivided	Rural	0.25	0.520	1	2	1	4	26.28	0.04	0.08	0.04	0.15	0.29
KY 55	12.200	12.300	0.100	12,000	2	Undivided	Rural	0.25	0.520	0	3	6	9	26.28	0.00	0.11	0.23	0.34	0.66
KY 55	12.400	12.500	0.100	12,000	2	Undivided	Rural	0.25	0.520	0	1	2	3	26.28	0.00	0.04	0.08	0.11	0.22

Source: KYTC's *Highway Information System (HIS)* database; Kentucky Transportation Center's *Analysis of Traffic Accident Data in Kentucky (1997-2001)* report; 2002 ADT data from KYTC's *Highway Information System (HIS)* database on 05/13/2003

**Table 3. Crash Data Analysis (continued)**

**Adair County**

**Spot Analysis**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00

Heartland Parkway from Louie B. Nunn Cumberland Parkway to Martha Layne Collins Blue Grass Parkway

**Adair County**

Route	Begin MP	End MP	Length (miles)	2002 ADT	Number of Lanes	Divided/ Undivided	Rural/ Urban	Avg. Acc. Rate	Critical Acc. Rate	Accidents				MVM	Rates per MVM				Critical Rate Factor
										Fatal	Injury	PDO	Total		Fatal	Injury	PDO	Total	
KY 55	12.565	12.665	0.100	12,000	2	Undivided	Rural	0.25	0.520	0	1	2	3	26.28	0.00	0.04	0.08	0.11	0.22
KY 55	12.700	12.800	0.100	12,000	2	Undivided	Rural	0.25	0.520	0	0	4	4	26.28	0.00	0.00	0.15	0.15	0.29
KY 55	12.819	12.919	0.100	7,710	2	Undivided	Rural	0.25	0.593	2	1	1	4	16.88	0.12	0.06	0.06	0.24	0.40
KY 55	12.949	13.049	0.100	7,710	2	Undivided	Rural	0.25	0.593	0	0	2	2	16.88	0.00	0.00	0.12	0.12	0.20
KY 55	13.100	13.200	0.100	7,710	2	Undivided	Rural	0.25	0.593	0	0	2	2	16.88	0.00	0.00	0.12	0.12	0.20
KY 55	13.290	13.390	0.100	7,710	2	Undivided	Rural	0.25	0.593	0	0	1	1	16.88	0.00	0.00	0.06	0.06	0.10
KY 55	13.400	13.500	0.100	7,710	2	Undivided	Rural	0.25	0.593	0	0	1	1	16.88	0.00	0.00	0.06	0.06	0.10
KY 55	13.519	13.619	0.100	7,710	2	Undivided	Rural	0.25	0.593	0	1	0	1	16.88	0.00	0.06	0.00	0.06	0.10
KY 55	13.649	13.749	0.100	7,710	2	Undivided	Rural	0.25	0.593	0	1	1	2	16.88	0.00	0.06	0.06	0.12	0.20
KY 55	14.000	14.100	0.100	7,710	2	Undivided	Rural	0.25	0.593	0	0	3	3	16.88	0.00	0.00	0.18	0.18	0.30
KY 55	14.200	14.300	0.100	7,710	2	Undivided	Rural	0.25	0.593	0	0	2	2	16.88	0.00	0.00	0.12	0.12	0.20
KY 55	14.600	14.700	0.100	7,710	2	Undivided	Rural	0.25	0.593	0	0	1	1	16.88	0.00	0.00	0.06	0.06	0.10
KY 55	14.991	15.091	0.100	7,710	2	Undivided	Rural	0.25	0.593	0	1	0	1	16.88	0.00	0.06	0.00	0.06	0.10
KY 55	15.100	15.200	0.100	7,710	2	Undivided	Rural	0.25	0.593	0	0	1	1	16.88	0.00	0.00	0.06	0.06	0.10
KY 55	15.208	15.308	0.100	7,710	2	Undivided	Rural	0.25	0.593	0	0	1	1	16.88	0.00	0.00	0.06	0.06	0.10
KY 55	15.800	15.900	0.100	7,710	2	Undivided	Rural	0.25	0.593	0	0	1	1	16.88	0.00	0.00	0.06	0.06	0.10
KY 55	16.000	16.100	0.100	7,710	2	Undivided	Rural	0.25	0.593	0	1	1	2	16.88	0.00	0.06	0.06	0.12	0.20
KY 55	16.911	17.011	0.100	7,710	2	Undivided	Rural	0.25	0.593	0	1	2	3	16.88	0.00	0.06	0.12	0.18	0.30
KY 55	17.200	17.300	0.100	7,710	2	Undivided	Rural	0.25	0.593	0	0	2	2	16.88	0.00	0.00	0.12	0.12	0.20

Source: KYTC's *Highway Information System (HIS)* database; Kentucky Transportation Center's *Analysis of Traffic Accident Data in Kentucky (1997-2001)* report; 2002 ADT data from KYTC's *Highway Information System (HIS)* database on 05/13/2003

**Table 3. Crash Data Analysis (continued)**

**Adair County**

**Spot Analysis**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00

Heartland Parkway from Louie B. Nunn Cumberland Parkway to Martha Layne Collins Blue Grass Parkway

**Adair County**

Route	Begin MP	End MP	Length (miles)	2002 ADT	Number of Lanes	Divided/ Undivided	Rural/ Urban	Avg. Acc. Rate	Critical Acc. Rate	Accidents				MVM	Rates per MVM				Critical Rate Factor
										Fatal	Injury	PDO	Total		Fatal	Injury	PDO	Total	
KY 55	17.577	17.677	0.100	7,710	2	Undivided	Rural	0.25	0.593	0	0	1	1	16.88	0.00	0.00	0.06	0.06	0.10
KY 55	17.700	17.800	0.100	7,710	2	Undivided	Rural	0.25	0.593	0	0	1	1	16.88	0.00	0.00	0.06	0.06	0.10
KY 55	18.100	18.200	0.100	7,710	2	Undivided	Rural	0.25	0.593	0	1	1	2	16.88	0.00	0.06	0.06	0.12	0.20
KY 55	18.300	18.400	0.100	7,710	2	Undivided	Rural	0.25	0.593	0	1	3	4	16.88	0.00	0.06	0.18	0.24	0.40
KY 55	18.406	18.506	0.100	7,710	2	Undivided	Rural	0.25	0.593	0	1	2	3	16.88	0.00	0.06	0.12	0.18	0.30
KY 55	18.579	18.679	0.100	7,710	2	Undivided	Rural	0.25	0.593	0	0	3	3	16.88	0.00	0.00	0.18	0.18	0.30
KY 55	18.706	18.806	0.100	7,710	2	Undivided	Rural	0.25	0.593	0	0	1	1	16.88	0.00	0.00	0.06	0.06	0.10

Source: KYTC's *Highway Information System (HIS)* database; Kentucky Transportation Center's *Analysis of Traffic Accident Data in Kentucky (1997-2001)* report; 2002 ADT data from KYTC's *Highway Information System (HIS)* database on 05/13/2003

**Table 3. Crash Data Analysis (continued)**

**Taylor County**

**Spot Analysis**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00

Heartland Parkway from Louie B. Nunn Cumberland Parkway to Martha Layne Collins Blue Grass Parkway

**Taylor County**

Route	Begin MP	End MP	Length (miles)	2002 ADT	Number of Lanes	Divided/ Undivided	Rural/ Urban	Avg. Acc. Rate	Critical Acc. Rate	Accidents				MVM	Rates per MVM				Critical Rate Factor
										Fatal	Injury	PDO	Total		Fatal	Injury	PDO	Total	
KY 55	0.000	0.100	0.100	7,330	2	Undivided	Rural	0.25	0.603	0	4	14	18	16.05	0.00	0.25	0.87	1.12	<b>1.86</b>
KY 55	0.775	0.875	0.100	7,290	2	Undivided	Rural	0.25	0.604	0	0	1	1	15.97	0.00	0.00	0.06	0.06	0.10
KY 55	0.975	1.075	0.100	7,290	2	Undivided	Rural	0.25	0.604	1	0	1	2	15.97	0.06	0.00	0.06	0.13	0.21
KY 55	1.500	1.600	0.100	7,290	2	Undivided	Rural	0.25	0.604	0	1	1	2	15.97	0.00	0.06	0.06	0.13	0.21
KY 55	1.665	1.765	0.100	7,290	2	Undivided	Urban	0.29	0.669	0	0	2	2	15.97	0.00	0.00	0.13	0.13	0.19
KY 55	1.900	2.000	0.100	7,290	2	Undivided	Urban	0.29	0.669	0	0	2	2	15.97	0.00	0.00	0.13	0.13	0.19
KY 55	2.031	2.131	0.100	7,290	2	Undivided	Rural	0.25	0.604	0	1	3	4	15.97	0.00	0.06	0.19	0.25	0.42
KY 55	2.165	2.265	0.100	7,290	2	Undivided	Rural	0.25	0.604	0	2	6	8	15.97	0.00	0.13	0.38	0.50	0.83
KY 55	2.283	2.383	0.100	7,290	2	Undivided	Rural	0.25	0.604	0	1	1	2	15.97	0.00	0.06	0.06	0.13	0.21
KY 55	2.500	2.600	0.100	7,290	2	Undivided	Rural	0.25	0.604	0	1	1	2	15.97	0.00	0.06	0.06	0.13	0.21
KY 55	2.665	2.765	0.100	7,290	2	Undivided	Rural	0.25	0.604	0	0	3	3	15.97	0.00	0.00	0.19	0.19	0.31
KY 55	2.800	2.900	0.100	7,290	2	Undivided	Rural	0.25	0.604	0	1	2	3	15.97	0.00	0.06	0.13	0.19	0.31
KY 55	3.019	3.119	0.100	7,290	2	Undivided	Rural	0.25	0.604	0	0	1	1	15.97	0.00	0.00	0.06	0.06	0.10
KY 55	3.192	3.292	0.100	7,290	2	Undivided	Rural	0.25	0.604	0	1	2	3	15.97	0.00	0.06	0.13	0.19	0.31
KY 55	3.300	3.400	0.100	7,290	2	Undivided	Rural	0.25	0.604	0	2	2	4	15.97	0.00	0.13	0.13	0.25	0.42
KY 55	3.500	3.600	0.100	7,290	2	Undivided	Rural	0.25	0.604	0	1	2	3	15.97	0.00	0.06	0.13	0.19	0.31
KY 55	3.608	3.708	0.100	7,290	2	Undivided	Rural	0.25	0.604	0	0	1	1	15.97	0.00	0.00	0.06	0.06	0.10
KY 55	3.908	4.008	0.100	7,290	2	Undivided	Rural	0.25	0.604	0	0	1	1	15.97	0.00	0.00	0.06	0.06	0.10
KY 55	4.208	4.308	0.100	7,290	2	Undivided	Rural	0.25	0.604	0	0	4	4	15.97	0.00	0.00	0.25	0.25	0.42

Source: KYTC's Highway Information System (HIS) database; Kentucky Transportation Center's Analysis of Traffic Accident Data in Kentucky (1997-2001) report; 2002 ADT data from KYTC's Highway Information System (HIS) database on 05/13/2003

**Table 3. Crash Data Analysis (continued)**

**Taylor County**

**Spot Analysis**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00

Heartland Parkway from Louie B. Nunn Cumberland Parkway to Martha Layne Collins Blue Grass Parkway

**Taylor County**

Route	Begin MP	End MP	Length (miles)	2002 ADT	Number of Lanes	Divided/ Undivided	Rural/ Urban	Avg. Acc. Rate	Critical Acc. Rate	Accidents				MVM	Rates per MVM				Critical Rate Factor
										Fatal	Injury	PDO	Total		Fatal	Injury	PDO	Total	
KY 55	4.504	4.604	0.100	7,290	2	Undivided	Rural	0.25	0.604	0	1	1	2	15.97	0.00	0.06	0.06	0.13	0.21
KY 55	5.000	5.100	0.100	7,290	2	Undivided	Rural	0.25	0.604	0	0	1	1	15.97	0.00	0.00	0.06	0.06	0.10
KY 55	5.200	5.300	0.100	7,290	2	Undivided	Rural	0.25	0.604	0	0	1	1	15.97	0.00	0.00	0.06	0.06	0.10
KY 55	5.304	5.404	0.100	7,290	2	Undivided	Rural	0.25	0.604	0	2	2	4	15.97	0.00	0.13	0.13	0.25	0.42
KY 55	5.500	5.600	0.100	8,190	2	Undivided	Urban	0.29	0.645	0	0	1	1	17.94	0.00	0.00	0.06	0.06	0.09
KY 55	5.680	5.780	0.100	8,190	2	Undivided	Urban	0.29	0.645	0	1	5	6	17.94	0.00	0.06	0.28	0.33	0.52
KY 55	5.800	5.900	0.100	8,190	2	Undivided	Rural	0.25	0.582	0	1	3	4	17.94	0.00	0.06	0.17	0.22	0.38
KY 55	5.934	6.034	0.100	8,190	2	Undivided	Rural	0.25	0.582	0	0	2	2	17.94	0.00	0.00	0.11	0.11	0.19
KY 55	6.057	6.157	0.100	8,190	2	Undivided	Rural	0.25	0.582	0	0	2	2	17.94	0.00	0.00	0.11	0.11	0.19
KY 55	6.186	6.286	0.100	8,190	2	Undivided	Rural	0.25	0.582	0	1	4	5	17.94	0.00	0.06	0.22	0.28	0.48
KY 55	6.346	6.446	0.100	8,190	2	Undivided	Rural	0.25	0.582	0	0	2	2	17.94	0.00	0.00	0.11	0.11	0.19
KY 55	6.479	6.579	0.100	8,190	2	Undivided	Rural	0.25	0.582	1	5	3	9	17.94	0.06	0.28	0.17	0.50	0.86
KY 55	6.772	6.872	0.100	10,600	2	Undivided	Rural	0.25	0.539	0	0	2	2	23.21	0.00	0.00	0.09	0.09	0.16
KY 55	6.900	7.000	0.100	10,600	2	Undivided	Rural	0.25	0.539	0	3	1	4	23.21	0.00	0.13	0.04	0.17	0.32
KY 55	7.038	7.138	0.100	10,600	2	Undivided	Rural	0.25	0.539	0	1	1	2	23.21	0.00	0.04	0.04	0.09	0.16
KY 55	7.170	7.270	0.100	10,600	2	Undivided	Rural	0.25	0.539	0	0	1	1	23.21	0.00	0.00	0.04	0.04	0.08
KY 55	7.366	7.466	0.100	10,600	2	Undivided	Rural	0.25	0.539	0	0	1	1	23.21	0.00	0.00	0.04	0.04	0.08
KY 55	7.500	7.600	0.100	10,600	2	Undivided	Rural	0.25	0.539	0	0	2	2	23.21	0.00	0.00	0.09	0.09	0.16
KY 55	7.603	7.703	0.100	10,600	2	Undivided	Rural	0.25	0.539	0	2	1	3	23.21	0.00	0.09	0.04	0.13	0.24

Source: KYTC's *Highway Information System (HIS)* database; Kentucky Transportation Center's *Analysis of Traffic Accident Data in Kentucky (1997-2001)* report; 2002 ADT data from KYTC's *Highway Information System (HIS)* database on 05/13/2003

**Table 3. Crash Data Analysis (continued)**

**Taylor County**

**Spot Analysis**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00

Heartland Parkway from Louie B. Nunn Cumberland Parkway to Martha Layne Collins Blue Grass Parkway

**Taylor County**

Route	Begin MP	End MP	Length (miles)	2002 ADT	Number of Lanes	Divided/Undivided	Rural/Urban	Avg. Acc. Rate	Critical Acc. Rate	Accidents				MVM	Rates per MVM				Critical Rate Factor
										Fatal	Injury	PDO	Total		Fatal	Injury	PDO	Total	
KY 55	7.903	8.003	0.100	10,600	2	Undivided	Rural	0.25	0.539	0	3	3	6	23.21	0.00	0.13	0.13	0.26	0.48
KY 55	8.005	8.105	0.100	10,900	2	Undivided	Rural	0.25	0.535	0	0	2	2	23.87	0.00	0.00	0.08	0.08	0.16
KY 55	8.700	8.800	0.100	10,900	2	Undivided	Rural	0.25	0.535	0	1	1	2	23.87	0.00	0.04	0.04	0.08	0.16
KY 55	8.803	8.903	0.100	10,900	2	Undivided	Rural	0.25	0.535	0	2	0	2	23.87	0.00	0.08	0.00	0.08	0.16
KY 55	8.966	9.066	0.100	10,900	2	Undivided	Urban	0.25	0.535	0	1	3	4	23.87	0.00	0.04	0.13	0.17	0.31
KY 55	9.007	9.107	0.100	9,290	2	Undivided	Urban	0.25	0.560	0	5	6	11	20.35	0.00	0.25	0.29	0.54	0.97
KY 55	9.200	9.300	0.100	9,290	2	Undivided	Rural	0.25	0.560	0	0	2	2	20.35	0.00	0.00	0.10	0.10	0.18
KY 55	9.600	9.700	0.100	9,290	2	Undivided	Rural	0.25	0.560	0	0	2	2	20.35	0.00	0.00	0.10	0.10	0.18
KY 55	10.140	10.240	0.100	9,290	2	Undivided	Rural	0.25	0.560	0	0	3	3	20.35	0.00	0.00	0.15	0.15	0.26
KY 55	10.293	10.393	0.100	9,290	2	Undivided	Rural	0.25	0.560	0	2	12	14	20.35	0.00	0.10	0.59	0.69	<b>1.23</b>

Route	Begin MP	End MP	Length (miles)	2002 ADT	Number of Lanes	Divided/Undivided	Rural/Urban	Avg. Acc. Rate	Critical Acc. Rate	Accidents				HMVM	Rates per HMVM				Critical Rate Factor
										Fatal	Injury	PDO	Total		Fatal	Injury	PDO	Total	
US 68	4.870	4.970	0.100	17,400	4	Divided	Urban	0.29	0.528	0	8	23	31	38.11	0.00	0.21	0.60	0.81	<b>1.54</b>
US 68	5.009	5.109	0.100	17,400	4	Divided	Urban	0.29	0.528	0	1	0	1	38.11	0.00	0.03	0.00	0.03	0.05
US 68	5.187	5.287	0.100	17,400	4	Divided	Urban	0.29	0.528	0	0	1	1	38.11	0.00	0.00	0.03	0.03	0.05
US 68	5.300	5.400	0.100	17,400	4	Divided	Urban	0.29	0.528	0	0	1	1	38.11	0.00	0.00	0.03	0.03	0.05
US 68	5.484	5.584	0.100	17,400	4	Divided	Urban	0.29	0.528	0	0	2	2	38.11	0.00	0.00	0.05	0.05	0.10
US 68	5.587	5.687	0.100	18,000	4	Divided	Urban	0.29	0.524	0	7	33	40	39.42	0.00	0.18	0.84	1.01	<b>1.94</b>
US 68	5.700	5.800	0.100	24,200	4	Undivided	Urban	0.29	0.490	0	3	24	27	53.00	0.00	0.06	0.45	0.51	<b>1.04</b>

Source: KYTC's Highway Information System (HIS) database; Kentucky Transportation Center's Analysis of Traffic Accident Data in Kentucky (1997-2001) report; 2002 ADT data from KYTC's Highway Information System (HIS) database on 05/13/2003

**Table 3. Crash Data Analysis (continued)**

**Taylor County**

**Spot Analysis**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00

Heartland Parkway from Louie B. Nunn Cumberland Parkway to Martha Layne Collins Blue Grass Parkway

**Taylor County**

Route	Begin MP	End MP	Length (miles)	2002 ADT	Number of Lanes	Divided/ Undivided	Rural/ Urban	Avg. Acc. Rate	Critical Acc. Rate	Accidents				MVM	Rates per MVM				Critical Rate Factor
										Fatal	Injury	PDO	Total		Fatal	Injury	PDO	Total	
US 68	5.807	5.907	0.100	22,700	4	Undivided	Urban	0.49	0.756	0	5	16	21	49.71	0.00	0.10	0.32	0.42	0.56
US 68	5.923	6.023	0.100	20,500	4	Undivided	Urban	0.49	0.770	0	8	37	45	44.90	0.00	0.18	0.82	1.00	<b>1.30</b>
US 68	6.037	6.137	0.100	20,500	4	Undivided	Urban	0.49	0.770	0	4	9	13	44.90	0.00	0.09	0.20	0.29	0.38
US 68	6.160	6.260	0.100	20,500	4	Undivided	Urban	0.49	0.770	0	8	13	21	44.90	0.00	0.18	0.29	0.47	0.61
US 68	6.265	6.365	0.100	20,500	4	Undivided	Urban	0.49	0.770	0	0	3	3	44.90	0.00	0.00	0.07	0.07	0.09
US 68	6.410	6.510	0.100	20,500	4	Undivided	Urban	0.49	0.770	0	1	4	5	44.90	0.00	0.02	0.09	0.11	0.14
US 68	6.542	6.642	0.100	17,300	4	Undivided	Urban	0.49	0.796	0	0	2	2	37.89	0.00	0.00	0.05	0.05	0.07
US 68	6.703	6.803	0.100	18,500	4	Undivided	Urban	0.49	0.786	0	5	18	23	40.52	0.00	0.12	0.44	0.57	0.72
US 68	6.900	7.000	0.100	18,500	4	Undivided	Urban	0.49	0.786	0	1	1	2	40.52	0.00	0.02	0.02	0.05	0.06
US 68	7.032	7.132	0.100	12,200	4	Undivided	Urban	0.49	0.858	0	0	5	5	26.72	0.00	0.00	0.19	0.19	0.22
US 68	7.160	7.260	0.100	12,200	4	Undivided	Urban	0.49	0.858	0	1	1	2	26.72	0.00	0.04	0.04	0.07	0.09
US 68	7.265	7.365	0.100	12,200	4	Undivided	Urban	0.49	0.858	0	0	3	3	26.72	0.00	0.00	0.11	0.11	0.13
US 68	7.404	7.504	0.100	9,410	2	Undivided	Urban	0.29	0.620	0	1	5	6	20.61	0.00	0.05	0.24	0.29	0.47
US 68	7.600	7.700	0.100	9,410	2	Undivided	Urban	0.29	0.620	0	0	1	1	20.61	0.00	0.00	0.05	0.05	0.08
US 68	8.200	8.300	0.100	9,410	2	Undivided	Urban	0.29	0.620	0	0	1	1	20.61	0.00	0.00	0.05	0.05	0.08
US 68	8.330	8.430	0.100	9,410	2	Undivided	Urban	0.29	0.620	0	1	4	5	20.61	0.00	0.05	0.19	0.24	0.39
US 68	8.546	8.646	0.100	9,410	2	Undivided	Urban	0.29	0.620	0	1	0	1	20.61	0.00	0.05	0.00	0.05	0.08

Source: KYTC's *Highway Information System (HIS)* database; Kentucky Transportation Center's *Analysis of Traffic Accident Data in Kentucky (1997-2001)* report; 2002 ADT data from KYTC's *Highway Information System (HIS)* database on 05/13/2003

**Table 3. Crash Data Analysis (continued)**

**Taylor County**

**Spot Analysis**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00

Heartland Parkway from Louie B. Nunn Cumberland Parkway to Martha Layne Collins Blue Grass Parkway

**Taylor County**

Route	Begin MP	End MP	Length (miles)	2002 ADT	Number of Lanes	Divided/ Undivided	Rural/ Urban	Avg. Acc. Rate	Critical Acc. Rate	Accidents				MVM	Rates per MVM				Critical Rate Factor
										Fatal	Injury	PDO	Total		Fatal	Injury	PDO	Total	
US 68	8.600	8.700	0.100	9,410	2	Undivided	Urban	0.29	0.620	0	0	3	3	20.61	0.00	0.00	0.15	0.15	0.23
US 68	8.731	8.831	0.100	8,520	2	Undivided	Rural	0.25	0.575	0	0	1	1	18.66	0.00	0.00	0.05	0.05	0.09
US 68	8.924	9.024	0.100	8,520	2	Undivided	Rural	0.25	0.575	0	2	0	2	18.66	0.00	0.11	0.00	0.11	0.19
US 68	9.404	9.504	0.100	8,520	2	Undivided	Rural	0.25	0.575	0	0	1	1	18.66	0.00	0.00	0.05	0.05	0.09
US 68	10.077	10.177	0.100	8,170	2	Undivided	Rural	0.25	0.582	0	1	0	1	17.89	0.00	0.06	0.00	0.06	0.10
US 68	10.204	10.304	0.100	8,170	2	Undivided	Rural	0.25	0.582	0	1	1	2	17.89	0.00	0.06	0.06	0.11	0.19
US 68	10.404	10.504	0.100	8,170	2	Undivided	Rural	0.25	0.582	0	0	1	1	17.89	0.00	0.00	0.06	0.06	0.10
US 68	10.900	11.000	0.100	8,170	2	Undivided	Rural	0.25	0.582	0	0	1	1	17.89	0.00	0.00	0.06	0.06	0.10
US 68	11.200	11.300	0.100	8,170	2	Undivided	Rural	0.25	0.582	0	1	0	1	17.89	0.00	0.06	0.00	0.06	0.10
US 68	11.500	11.600	0.100	8,170	2	Undivided	Rural	0.25	0.582	0	0	1	1	17.89	0.00	0.00	0.06	0.06	0.10
US 68	11.879	11.979	0.100	6,450	2	Undivided	Rural	0.25	0.628	0	1	4	5	14.13	0.00	0.07	0.28	0.35	0.56
US 68	12.080	12.180	0.100	6,450	2	Undivided	Rural	0.25	0.628	0	1	1	2	14.13	0.00	0.07	0.07	0.14	0.23
US 68	12.400	12.500	0.100	6,450	2	Undivided	Rural	0.25	0.628	1	1	1	3	14.13	0.07	0.07	0.07	0.21	0.34
US 68	12.530	12.630	0.100	6,450	2	Undivided	Rural	0.25	0.628	0	0	1	1	14.13	0.00	0.00	0.07	0.07	0.11
US 68	12.900	13.000	0.100	6,450	2	Undivided	Rural	0.25	0.628	0	1	1	2	14.13	0.00	0.07	0.07	0.14	0.23
US 68	13.030	13.130	0.100	6,450	2	Undivided	Rural	0.25	0.628	1	2	4	7	14.13	0.07	0.14	0.28	0.50	0.79
US 68	13.330	13.430	0.100	6,450	2	Undivided	Rural	0.25	0.628	0	0	1	1	14.13	0.00	0.00	0.07	0.07	0.11

Source: KYTC's *Highway Information System (HIS)* database; Kentucky Transportation Center's *Analysis of Traffic Accident Data in Kentucky (1997-2001)* report; 2002 ADT data from KYTC's *Highway Information System (HIS)* database on 05/13/2003

**Table 3. Crash Data Analysis (continued)**

**Marion County**

**Spot Analysis**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00

Heartland Parkway from Louie B. Nunn Cumberland Parkway to Martha Layne Collins Blue Grass Parkway

**Marion County**

Route	Begin MP	End MP	Length (miles)	2002 ADT	Number of Lanes	Divided/ Undivided	Rural/ Urban	Avg. Acc. Rate	Critical Acc. Rate	Accidents				MVM	Rates per MVM				Critical Rate Factor
										Fatal	Injury	PDO	Total		Fatal	Injury	PDO	Total	
US 68	0.000	0.100	0.100	6,450	2	Undivided	Rural	0.25	0.628	0	31	63	94	14.13	0.00	2.19	4.46	6.65	<b>10.59</b>
US 68	0.400	0.500	0.100	6,450	2	Undivided	Rural	0.25	0.628	0	2	0	2	14.13	0.00	0.14	0.00	0.14	0.23
US 68	0.900	1.000	0.100	6,450	2	Undivided	Rural	0.25	0.628	0	0	2	2	14.13	0.00	0.00	0.14	0.14	0.23
US 68	1.400	1.500	0.100	6,450	2	Undivided	Rural	0.25	0.628	0	0	2	2	14.13	0.00	0.00	0.14	0.14	0.23
US 68	2.096	2.196	0.100	6,450	2	Undivided	Rural	0.25	0.628	0	0	1	1	14.13	0.00	0.00	0.07	0.07	0.11
US 68	2.497	2.597	0.100	6,450	2	Undivided	Rural	0.25	0.628	0	0	1	1	14.13	0.00	0.00	0.07	0.07	0.11
US 68	2.797	2.897	0.100	6,450	2	Undivided	Rural	0.25	0.628	0	0	2	2	14.13	0.00	0.00	0.14	0.14	0.23
US 68	2.997	3.097	0.100	6,450	2	Undivided	Rural	0.25	0.628	0	0	3	3	14.13	0.00	0.00	0.21	0.21	0.34
US 68	3.600	3.700	0.100	6,450	2	Undivided	Rural	0.25	0.628	0	0	1	1	14.13	0.00	0.00	0.07	0.07	0.11
US 68	3.802	3.902	0.100	6,450	2	Undivided	Rural	0.25	0.628	0	0	2	2	14.13	0.00	0.00	0.14	0.14	0.23
US 68	4.753	4.853	0.100	6,580	2	Undivided	Rural	0.25	0.624	0	1	0	1	14.41	0.00	0.07	0.00	0.07	0.11
US 68	4.903	5.003	0.100	6,580	2	Undivided	Rural	0.25	0.624	0	1	0	1	14.41	0.00	0.07	0.00	0.07	0.11
US 68	5.178	5.278	0.100	6,580	2	Undivided	Rural	0.25	0.624	0	1	2	3	14.41	0.00	0.07	0.14	0.21	0.33
US 68	5.400	5.500	0.100	6,580	2	Undivided	Rural	0.25	0.624	0	0	1	1	14.41	0.00	0.00	0.07	0.07	0.11
US 68	5.678	5.778	0.100	6,580	2	Undivided	Rural	0.25	0.624	0	3	5	8	14.41	0.00	0.21	0.35	0.56	0.89
US 68	5.878	5.978	0.100	6,580	2	Undivided	Rural	0.25	0.624	1	0	1	2	14.41	0.07	0.00	0.07	0.14	0.22
US 68	5.978	6.078	0.100	6,580	2	Undivided	Rural	0.25	0.624	0	1	0	1	14.41	0.00	0.07	0.00	0.07	0.11

Source: KYTC's Highway Information System (HIS) database; Kentucky Transportation Center's Analysis of Traffic Accident Data in Kentucky (1997-2001) report; 2002 ADT data from KYTC's Highway Information System (HIS) database on 05/13/2003

**Table 3. Crash Data Analysis (continued)**

**Marion County**

**Spot Analysis**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00

Heartland Parkway from Louie B. Nunn Cumberland Parkway to Martha Layne Collins Blue Grass Parkway

**Marion County**

Route	Begin MP	End MP	Length (miles)	2002 ADT	Number of Lanes	Divided/ Undivided	Rural/ Urban	Avg. Acc. Rate	Critical Acc. Rate	Accidents				MVM	Rates per MVM				Critical Rate Factor
										Fatal	Injury	PDO	Total		Fatal	Injury	PDO	Total	
US 68	6.128	6.228	0.100	6,580	2	Undivided	Rural	0.25	0.624	0	0	1	1	14.41	0.00	0.00	0.07	0.07	0.11
US 68	6.540	6.640	0.100	6,580	2	Undivided	Rural	0.25	0.624	0	0	2	2	14.41	0.00	0.00	0.14	0.14	0.22
US 68	6.740	6.840	0.100	8,380	2	Undivided	Rural	0.25	0.578	0	0	1	1	18.35	0.00	0.00	0.05	0.05	0.09
US 68	7.087	7.187	0.100	8,380	2	Undivided	Rural	0.25	0.578	0	0	1	1	18.35	0.00	0.00	0.05	0.05	0.09
US 68	7.300	7.400	0.100	8,380	2	Undivided	Rural	0.25	0.578	0	2	4	6	18.35	0.00	0.11	0.22	0.33	0.57
US 68	7.687	7.787	0.100	8,380	2	Undivided	Rural	0.25	0.578	0	2	1	3	18.35	0.00	0.11	0.05	0.16	0.28
US 68	8.000	8.100	0.100	8,380	2	Undivided	Rural	0.25	0.578	0	0	1	1	18.35	0.00	0.00	0.05	0.05	0.09
US 68	8.519	8.619	0.100	11,200	2	Undivided	Rural	0.25	0.530	1	4	3	8	24.53	0.04	0.16	0.12	0.33	0.61
US 68	8.700	8.800	0.100	11,200	2	Undivided	Rural	0.25	0.530	0	1	0	1	24.53	0.00	0.04	0.00	0.04	0.08
US 68	8.864	8.964	0.100	11,200	2	Undivided	Rural	0.25	0.530	0	0	2	2	24.53	0.00	0.00	0.08	0.08	0.15
US 68	9.000	9.100	0.100	11,200	2	Undivided	Rural	0.25	0.530	1	3	3	7	24.53	0.04	0.12	0.12	0.29	0.54
US 68	9.250	9.350	0.100	11,200	2	Undivided	Rural	0.25	0.530	0	0	3	3	24.53	0.00	0.00	0.12	0.12	0.23
US 68	9.390	9.490	0.100	11,900	2	Undivided	Rural	0.25	0.521	0	0	4	4	26.06	0.00	0.00	0.15	0.15	0.29
US 68	9.506	9.606	0.100	11,900	2	Undivided	Rural	0.25	0.521	0	0	6	6	26.06	0.00	0.00	0.23	0.23	0.44
US 68	9.652	9.752	0.100	11,900	2	Undivided	Rural	0.25	0.521	0	1	2	3	26.06	0.00	0.04	0.08	0.12	0.22
US 68	9.764	9.864	0.100	11,900	2	Undivided	Rural	0.25	0.521	0	3	13	16	26.06	0.00	0.12	0.50	0.61	<b>1.18</b>
US 68	9.875	9.975	0.100	17,400	2	Divided	Urban	0.29	0.528	0	8	15	23	38.11	0.00	0.21	0.39	0.60	<b>1.14</b>

Source: KYTC's Highway Information System (HIS) database; Kentucky Transportation Center's Analysis of Traffic Accident Data in Kentucky (1997-2001) report; 2002 ADT data from KYTC's Highway Information System (HIS) database on 05/13/2003

**Table 3. Crash Data Analysis (continued)**

**Marion County**

**Spot Analysis**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00

Heartland Parkway from Louie B. Nunn Cumberland Parkway to Martha Layne Collins Blue Grass Parkway

**Marion County**

Route	Begin MP	End MP	Length (miles)	2002 ADT	Number of Lanes	Divided/ Undivided	Rural/ Urban	Avg. Acc. Rate	Critical Acc. Rate	Accidents				MVM	Rates per MVM				Critical Rate Factor
										Fatal	Injury	PDO	Total		Fatal	Injury	PDO	Total	
US 68	9.985	10.085	0.100	17,400	2	Divided	Urban	0.29	0.528	0	0	1	1	38.11	0.00	0.00	0.03	0.03	0.05
US 68	10.090	10.190	0.100	17,400	2	Divided	Urban	0.29	0.528	0	2	7	9	38.11	0.00	0.05	0.18	0.24	0.45
US 68	10.229	10.329	0.100	17,400	2	Divided	Urban	0.29	0.528	0	2	14	16	38.11	0.00	0.05	0.37	0.42	0.80
US 68	10.360	10.460	0.100	17,400	2	Divided	Urban	0.29	0.528	0	3	5	8	38.11	0.00	0.08	0.13	0.21	0.40
US 68	10.502	10.602	0.100	17,400	2	Divided	Urban	0.29	0.528	0	3	8	11	38.11	0.00	0.08	0.21	0.29	0.55
US 68	10.610	10.710	0.100	17,400	2	Divided	Urban	0.29	0.528	0	3	26	29	38.11	0.00	0.08	0.68	0.76	<b>1.44</b>

Route	Begin MP	End MP	Length (miles)	2002 ADT	Number of Lanes	Divided/ Undivided	Rural/ Urban	Avg. Acc. Rate	Critical Acc. Rate	Accidents				MVM	Rates per HMVM				Critical Rate Factor
										Fatal	Injury	PDO	Total		Fatal	Injury	PDO	Total	
KY 55	0.000	0.100	0.100	13,100	4	Undivided	Urban	0.49	0.844	0	23	35	58	28.69	0.00	0.80	1.22	2.02	<b>2.40</b>
KY 55	0.130	0.230	0.100	13,100	4	Undivided	Urban	0.49	0.844	0	1	5	6	28.69	0.00	0.03	0.17	0.21	0.25
KY 55	0.280	0.380	0.100	13,100	4	Undivided	Urban	0.49	0.844	0	3	6	9	28.69	0.00	0.10	0.21	0.31	0.37
KY 55	0.389	0.489	0.100	12,000	4	Undivided	Urban	0.49	0.861	0	3	18	21	26.28	0.00	0.11	0.68	0.80	0.93
KY 55	0.520	0.620	0.100	12,500	2	Undivided	Urban	0.29	0.573	0	7	18	25	27.38	0.00	0.26	0.66	0.91	<b>1.59</b>
KY 55	0.767	0.867	0.100	12,500	2	Undivided	Urban	0.29	0.573	0	1	7	8	27.38	0.00	0.04	0.26	0.29	0.51
KY 55	1.084	1.184	0.100	12,000	4	Undivided	Urban	0.49	0.861	0	0	3	3	26.28	0.00	0.00	0.11	0.11	0.13
KY 55	1.250	1.350	0.100	12,000	4	Undivided	Urban	0.49	0.861	0	0	5	5	26.28	0.00	0.00	0.19	0.19	0.22
KY 55	1.358	1.458	0.100	12,000	4	Undivided	Urban	0.49	0.861	0	1	3	4	26.28	0.00	0.04	0.11	0.15	0.18

Source: KYTC's Highway Information System (HIS) database; Kentucky Transportation Center's Analysis of Traffic Accident Data in Kentucky (1997-2001) report; 2002 ADT data from KYTC's Highway Information System (HIS) database on 05/13/2003

**Table 3. Crash Data Analysis (continued)**

**Marion County**

**Spot Analysis**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00

Heartland Parkway from Louie B. Nunn Cumberland Parkway to Martha Layne Collins Blue Grass Parkway

**Marion County**

Route	Begin MP	End MP	Length (miles)	2002 ADT	Number of Lanes	Divided/ Undivided	Rural/ Urban	Avg. Acc. Rate	Critical Acc. Rate	Accidents				MVM	Rates per MVM				Critical Rate Factor
										Fatal	Injury	PDO	Total		Fatal	Injury	PDO	Total	
KY 55	1.690	1.790	0.100	8,960	2	Undivided	Rural	0.25	0.566	0	0	1	1	19.62	0.00	0.00	0.05	0.05	0.09
KY 55	2.004	2.104	0.100	8,960	2	Undivided	Rural	0.25	0.566	0	1	2	3	19.62	0.00	0.05	0.10	0.15	0.27
KY 55	2.223	2.323	0.100	8,370	2	Undivided	Rural	0.25	0.578	0	0	1	1	18.33	0.00	0.00	0.05	0.05	0.09
KY 55	2.428	2.528	0.100	8,370	2	Undivided	Rural	0.25	0.578	0	0	1	1	18.33	0.00	0.00	0.05	0.05	0.09
KY 55	2.581	2.681	0.100	8,370	2	Undivided	Rural	0.25	0.578	0	1	0	1	18.33	0.00	0.05	0.00	0.05	0.09
KY 55	3.000	3.100	0.100	8,370	2	Undivided	Rural	0.25	0.578	0	0	1	1	18.33	0.00	0.00	0.05	0.05	0.09
KY 55	3.200	3.300	0.100	8,370	2	Undivided	Rural	0.25	0.578	0	0	1	1	18.33	0.00	0.00	0.05	0.05	0.09
KY 55	3.500	3.600	0.100	8,370	2	Undivided	Rural	0.25	0.578	0	0	1	1	18.33	0.00	0.00	0.05	0.05	0.09
KY 55	3.635	3.735	0.100	8,370	2	Undivided	Rural	0.25	0.578	0	1	1	2	18.33	0.00	0.05	0.05	0.11	0.19
KY 55	3.800	3.900	0.100	8,370	2	Undivided	Rural	0.25	0.578	0	1	0	1	18.33	0.00	0.05	0.00	0.05	0.09
KY 55	4.200	4.300	0.100	8,370	2	Undivided	Rural	0.25	0.578	0	0	1	1	18.33	0.00	0.00	0.05	0.05	0.09
KY 55	4.269	4.369	0.100	8,370	2	Undivided	Rural	0.25	0.578	0	0	1	1	18.33	0.00	0.00	0.05	0.05	0.09
KY 55	4.469	4.569	0.100	8,370	2	Undivided	Rural	0.25	0.578	0	0	2	2	18.33	0.00	0.00	0.11	0.11	0.19

Source: KYTC's *Highway Information System (HIS)* database; Kentucky Transportation Center's *Analysis of Traffic Accident Data in Kentucky (1997-2001)* report; 2002 ADT data from KYTC's *Highway Information System (HIS)* database on 05/13/2003

**Table 3. Crash Data Analysis (continued)**

**Washington County**

**Spot Analysis**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00

Heartland Parkway from Louie B. Nunn Cumberland Parkway to Martha Layne Collins Blue Grass Parkway

**Washington County**

Route	Begin MP	End MP	Length (miles)	2002 ADT	Number of Lanes	Divided/ Undivided	Rural/ Urban	Avg. Acc. Rate	Critical Acc. Rate	Accidents				MVM	Rates per MVM				Critical Rate Factor
										Fatal	Injury	PDO	Total		Fatal	Injury	PDO	Total	
KY 55	0.000	0.100	0.100	8,500	2	Undivided	Rural	0.25	0.575	0	6	17	23	18.62	0.00	0.32	0.91	1.24	<b>2.15</b>
KY 55	0.325	0.425	0.100	8,500	2	Undivided	Rural	0.25	0.575	1	1	1	3	18.62	0.05	0.05	0.05	0.16	0.28
KY 55	0.500	0.600	0.100	8,500	2	Undivided	Rural	0.25	0.575	0	0	1	1	18.62	0.00	0.00	0.05	0.05	0.09
KY 55	0.725	0.825	0.100	8,500	2	Undivided	Rural	0.25	0.575	0	1	1	2	18.62	0.00	0.05	0.05	0.11	0.19
KY 55	1.000	1.100	0.100	8,500	2	Undivided	Rural	0.25	0.575	0	1	0	1	18.62	0.00	0.05	0.00	0.05	0.09
KY 55	1.425	1.525	0.100	8,500	2	Undivided	Rural	0.25	0.575	0	2	1	3	18.62	0.00	0.11	0.05	0.16	0.28
KY 55	2.200	2.300	0.100	8,500	2	Undivided	Rural	0.25	0.575	0	0	1	1	18.62	0.00	0.00	0.05	0.05	0.09
KY 55	2.600	2.700	0.100	8,500	2	Undivided	Rural	0.25	0.575	0	0	1	1	18.62	0.00	0.00	0.05	0.05	0.09
KY 55	2.800	2.900	0.100	7,630	2	Undivided	Rural	0.25	0.595	1	3	2	6	16.71	0.06	0.18	0.12	0.36	0.60
KY 55	3.400	3.500	0.100	7,630	2	Undivided	Rural	0.25	0.595	0	2	6	8	16.71	0.00	0.12	0.36	0.48	0.80
KY 55	3.677	3.777	0.100	7,630	2	Undivided	Rural	0.25	0.595	0	0	1	1	16.71	0.00	0.00	0.06	0.06	0.10
KY 55	3.900	4.000	0.100	7,630	2	Undivided	Rural	0.25	0.595	0	0	2	2	16.71	0.00	0.00	0.12	0.12	0.20
KY 55	4.004	4.104	0.100	7,630	2	Undivided	Rural	0.25	0.595	0	0	2	2	16.71	0.00	0.00	0.12	0.12	0.20
KY 55	4.551	4.651	0.100	7,630	2	Undivided	Rural	0.25	0.595	0	1	8	9	16.71	0.00	0.06	0.48	0.54	0.91

Source: KYTC's *Highway Information System (HIS)* database; Kentucky Transportation Center's *Analysis of Traffic Accident Data in Kentucky (1997-2001)* report; 2002 ADT data from KYTC's *Highway Information System (HIS)* database on 05/13/2003

**Table 3. Crash Data Analysis (continued)**

**Washington County**

**Spot Analysis**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00

Heartland Parkway from Louie B. Nunn Cumberland Parkway to Martha Layne Collins Blue Grass Parkway

**Washington County**

Route	Begin MP	End MP	Length (miles)	2002 ADT	Number of Lanes	Divided/ Undivided	Rural/ Urban	Avg. Acc. Rate	Critical Acc. Rate	Accidents				HMVM	Rates per HMVM				Critical Rate Factor
										Fatal	Injury	PDO	Total		Fatal	Injury	PDO	Total	
KY 555	0.000	0.100	0.100	6,700	2	Undivided	Rural	0.25	0.620	0	11	18	29	14.67	0.00	0.75	1.23	1.98	<b>3.19</b>
KY 555	0.600	0.700	0.100	6,700	2	Undivided	Rural	0.25	0.620	0	1	0	1	14.67	0.00	0.07	0.00	0.07	0.11
KY 555	0.740	0.840	0.100	6,700	2	Undivided	Rural	0.25	0.620	0	0	1	1	14.67	0.00	0.00	0.07	0.07	0.11
KY 555	0.836	0.846	0.100	6,700	2	Undivided	Rural	0.25	0.620	0	4	5	9	14.67	0.00	0.27	0.34	0.61	0.99
KY 555	2.075	2.175	0.100	4,830	2	Undivided	Rural	0.25	0.693	0	0	1	1	10.58	0.00	0.00	0.09	0.09	0.14
KY 555	3.600	3.700	0.100	4,690	2	Undivided	Rural	0.25	0.701	0	0	1	1	10.27	0.00	0.00	0.10	0.10	0.14
KY 555	4.300	4.400	0.100	4,690	2	Undivided	Rural	0.25	0.701	0	0	1	1	10.27	0.00	0.00	0.10	0.10	0.14
KY 555	5.000	5.100	0.100	4,690	2	Undivided	Rural	0.25	0.701	0	0	2	2	10.27	0.00	0.00	0.19	0.19	0.28
KY 555	5.216	5.316	0.100	4,690	2	Undivided	Rural	0.25	0.701	0	2	3	5	10.27	0.00	0.19	0.29	0.49	0.69
KY 555	6.715	6.815	0.100	3,230	2	Undivided	Rural	0.25	0.805	0	1	0	1	7.07	0.00	0.14	0.00	0.14	0.18
KY 555	7.091	7.191	0.100	3,230	2	Undivided	Rural	0.25	0.805	0	0	1	1	7.07	0.00	0.00	0.14	0.14	0.18
KY 555	8.280	8.380	0.100	3,230	2	Undivided	Rural	0.25	0.805	0	1	1	2	7.07	0.00	0.14	0.14	0.28	0.35
KY 555	9.200	9.300	0.100	3,230	2	Undivided	Rural	0.25	0.805	0	1	0	1	7.07	0.00	0.14	0.00	0.14	0.18
KY 555	9.500	9.600	0.100	3,230	2	Undivided	Rural	0.25	0.805	0	0	1	1	7.07	0.00	0.00	0.14	0.14	0.18
KY 555	10.700	10.800	0.100	3,710	2	Undivided	Rural	0.25	0.763	0	0	1	1	8.12	0.00	0.00	0.12	0.12	0.16
KY 555	11.000	11.100	0.100	3,710	2	Undivided	Rural	0.25	0.763	0	1	1	2	8.12	0.00	0.12	0.12	0.25	0.32
KY 555	11.480	11.580	0.100	3,710	2	Undivided	Rural	0.25	0.763	0	0	1	1	8.12	0.00	0.00	0.12	0.12	0.16
KY 555	12.707	12.807	0.100	3,710	2	Undivided	Rural	0.25	0.763	0	2	2	4	8.12	0.00	0.25	0.25	0.49	0.64

Source: KYTC's *Highway Information System (HIS)* database; Kentucky Transportation Center's *Analysis of Traffic Accident Data in Kentucky (1997-2001)* report; 2002 ADT data from KYTC's *Highway Information System (HIS)* database on 05/13/2003

**Table 3. Crash Data Analysis (continued)**  
**Washington County**  
**Spot Analysis**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
 Heartland Parkway from Louie B. Nunn Cumberland Parkway to Martha Layne Collins Blue Grass Parkway

**Washington County**

Route	Begin MP	End MP	Length (miles)	2002 ADT	Number of Lanes	Divided/ Undivided	Rural/ Urban	Avg. Acc. Rate	Critical Acc. Rate	Accidents				HMVM	Rates per HMVM				Critical Rate Factor
										Fatal	Injury	PDO	Total		Fatal	Injury	PDO	Total	
KY 555	12.907	13.007	0.100	3,710	2	Undivided	Rural	0.25	0.763	0	0	1	1	8.12	0.00	0.00	0.12	0.12	0.16
KY 555	13.200	13.300	0.100	3,710	2	Undivided	Rural	0.25	0.763	0	1	0	1	8.12	0.00	0.12	0.00	0.12	0.16
KY 555	14.000	14.100	0.100	3,710	2	Undivided	Rural	0.25	0.763	0	1	0	1	8.12	0.00	0.12	0.00	0.12	0.16
KY 555	14.300	14.400	0.100	3,710	2	Undivided	Rural	0.25	0.763	0	5	1	6	8.12	0.00	0.62	0.12	0.74	0.97
KY 555	14.500	14.523	0.100	3,710	2	Undivided	Rural	0.25	0.763	0	0	2	2	8.12	0.00	0.00	0.25	0.25	0.32

Source: KYTC's *Highway Information System (HIS)* database; Kentucky Transportation Center's *Analysis of Traffic Accident Data in Kentucky (1997-2001)* report; 2002 ADT data from KYTC's *Highway Information System (HIS)* database on 05/13/2003

**Table 4. Six Year Highway Plan Improvements  
Adair County**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
Heartland Parkway from Louie B. Nunn Cumberland Parkway to Bluegrass Parkway

County	Item Number	Route	Begin MP	End MP	Length (miles)	Type of Work	Phase of Development	Fiscal Year Scheduled	Phase Cost
Adair	8-159.00	KY 55	-	-	5.300	Western bypass of Columbia (grade, drain, & surface)	Right-of-Way	2003	\$4,400,000
							Utility Relocation	2003	\$1,500,000
							Construction	2004	\$5,000,000
							Total:		\$10,900,000

County	Item Number	Route	Begin MP	End MP	Length (miles)	Type of Work	Phase of Development	Fiscal Year Scheduled	Phase Cost
Adair	8-159.02	KY 55	-	-	5.300	Western bypass of Columbia (additional funding for C Phase)	Construction	2006	\$5,000,000
							Total:		\$5,000,000

County	Item Number	Route	Begin MP	End MP	Length (miles)	Type of Work	Phase of Development	Fiscal Year Scheduled	Phase Cost
Adair	8-159.03	KY 55	-	-	5.300	Western bypass of Columbia (additional funding for C Phase)	Construction	2007	\$8,750,000
							Total:		\$8,750,000

Source: KYTC's Six-Year Highway Plan (FY 2003-2008)

**Table 4. Six Year Highway Plan Improvements (continued)**

**Adair County**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
Heartland Parkway from Louie B. Nunn Cumberland Parkway to Bluegrass Parkway

County	Item Number	Route	Begin MP	End MP	Length (miles)	Type of Work	Phase of Development	Fiscal Year Scheduled	Phase Cost
Adair	8-162.60	KY 61	10.571	12.6	2.100	Reconstruct KY 61 from 1000 feet south of the Louie B. Nunn Parkway	Right-of-Way	2002	\$2,000,000
							Utility Relocation	2004	\$500,000
							Construction	2005	\$15,000,000
							Total:		\$17,500,000

County	Item Number	Route	Begin MP	End MP	Length (miles)	Type of Work	Phase of Development	Fiscal Year Scheduled	Phase Cost
Adair	8-1034.00	KY 80	15.523	15.623	.100	Replace bridge over Russell Creek 1.2 miles east of KY 55	Design	2003	\$300,000
							Right-of-Way	2005	\$500,000
							Utility Relocation	2006	\$450,000
							Construction	2008	\$2,500,000
							Total:		\$3,750,000

Source: KYTC's Six-Year Highway Plan (FY 2003-2008)

**Table 4. Six Year Highway Plan Improvements (continued)**  
**Green & Adair Counties**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
 Heartland Parkway from Louie B. Nunn Cumberland Parkway to Bluegrass Parkway

County	Item Number	Route	Begin MP	End MP	Length (miles)	Type of Work	Phase of Development	Fiscal Year Scheduled	Phase Cost
Green/ Adair	4-128.50	KY 61	0/ 17.63	4.053/ 23.997	10.42	Reconstruct KY 61 from KY 487 to Columbia	Design	2002	\$1,250,000
							Total:		\$1,250,000

**Table 4. Six Year Highway Plan Improvements (continued)**  
**Marion & Boyle Counties**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
 Heartland Parkway from Louie B. Nunn Cumberland Parkway to Bluegrass Parkway

County	Item Number	Route	Begin MP	End MP	Length (miles)	Type of Work	Phase of Development	Fiscal Year Scheduled	Phase Cost
Marion/ Boyle	4-192.00	US 68	12.322/ 0	23.819/ 1.5	13.000	Reconstruct US 68 from Lebanon to 1.5 miles east of Boyle County line	Right-of-Way	2003	\$3,155,925
							Utility Relocation	2005	\$2,762,000
							Construction	2006	\$17,000,000
							Total:		\$22,917,925

Source: KYTC's Six-Year Highway Plan (FY 2003-2008)

**Table 4. Six Year Highway Plan Improvements (continued)**

**Marion County**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
Heartland Parkway from Louie B. Nunn Cumberland Parkway to Bluegrass Parkway

County	Item Number	Route	Begin MP	End MP	Length (miles)	Type of Work	Phase of Development	Fiscal Year Scheduled	Phase Cost
Marion	4-309.00	KY 49	10.5	11.73	1.200	Reconstruct KY 49 from Pope Creek Bridge to Riverside Bridge	Design	2002	\$250,000
							Right-of-Way	2003	\$300,000
							Utility Relocation	2003	\$200,000
							Construction	2004	\$2,000,000
							Total:		\$2,750,000
Marion	4-967.00	US 68	12.9	13.2	.300	Construct left-turn lane on US 68	Construction	2002	\$225,000
							Total:		\$225,000

Source: KYTC's Six-Year Highway Plan (FY 2003-2008)

**Table 4. Six Year Highway Plan Improvements (continued)**

**Taylor County**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
Heartland Parkway from Louie B. Nunn Cumberland Parkway to Bluegrass Parkway

County	Item Number	Route	Begin MP	End MP	Length (miles)	Type of Work	Phase of Development	Fiscal Year Scheduled	Phase Cost
Taylor	4-114.00	KY 210	16.184	16.884	.700	Widen KY 210 from US 68 to new connector	Design	2004	\$350,000
							Total:		\$350,000

County	Item Number	Route	Begin MP	End MP	Length (miles)	Type of Work	Phase of Development	Fiscal Year Scheduled	Phase Cost
Taylor	4-1056.00	KY 3211	3.39	3.49	.100	Replace bridge at Trace Fork 1.9 miles west of US 68/KY 55	Design	2004	\$75,000
							Right-of-Way	2005	\$100,000
							Utility Relocation	2005	\$100,000
							Construction	2006	\$200,000
							Total:		\$475,000

County	Item Number	Route	Begin MP	End MP	Length (miles)	Type of Work	Phase of Development	Fiscal Year Scheduled	Phase Cost
Taylor	4-1058.00	CR 1236	-	-	.100	Replace bridge over Green River 0.75 mile SW of KY 55	Design	2004	\$200,000
							Right-of-Way	2006	\$50,000
							Construction	2007	\$1,000,000
							Total:		\$1,250,000

Source: KYTC's Six-Year Highway Plan (FY 2003-2008)

**Table 4. Six Year Highway Plan Improvements (continued)**  
**Washington County**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
 Heartland Parkway from Louie B. Nunn Cumberland Parkway to Bluegrass Parkway

County	Item Number	Route	Begin MP	End MP	Length (miles)	Type of Work	Phase of Development	Fiscal Year Scheduled	Phase Cost
Wash.	4-103.05	US 150	-	-	3.500	Relocation of US 150 from Springfield to Danville	Construction	2002	\$4,200,000
							Total:		\$4,200,000

County	Item Number	Route	Begin MP	End MP	Length (miles)	Type of Work	Phase of Development	Fiscal Year Scheduled	Phase Cost
Wash.	4-307.01	US 150	-	-	3.000	New Route: Bardstown to Springfield bypass	Design	2003	\$500,000
							Right-of-Way	2004	\$2,000,000
							Utility Relocation	2005	\$500,000
							Construction	2006	\$5,000,000
							Total:		\$8,000,000

County	Item Number	Route	Begin MP	End MP	Length (miles)	Type of Work	Phase of Development	Fiscal Year Scheduled	Phase Cost
Wash.	4-307.02	US 150	-	-	3.000	Add'l Bardstown-Springfield bypass funding	Construction	2008	\$5,000,000
							Total:		\$5,000,000

Source: KYTC's Six-Year Highway Plan (FY 2003-2008)

**Table 4. Six Year Highway Plan Improvements (continued)**  
**Washington County**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
 Heartland Parkway from Louie B. Nunn Cumberland Parkway to Bluegrass Parkway

County	Item Number	Route	Begin MP	End MP	Length (miles)	Type of Work	Phase of Development	Fiscal Year Scheduled	Phase Cost
Wash.	4-1004.00	KY 1584	.806	.906	.100	Replace bridge & approaches at Poorhouse Branch	Right-of-Way	2002	\$20,000
							Utility Relocation	2002	\$10,000
							Construction	2003	\$170,000
							Total:		\$200,000

**Table 4. Six Year Highway Plan Improvements (continued)**  
**Washington & Anderson Counties**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
 Heartland Parkway from Louie B. Nunn Cumberland Parkway to Bluegrass Parkway

County	Item Number	Route	Begin MP	End MP	Length (miles)	Type of Work	Phase of Development	Fiscal Year Scheduled	Phase Cost
Wash./ Anderson	4-284.01	KY 555	-	-	7.800	Extend KY 555 from Bluegrass Pkwy. to KY 248	Construction	2003	\$10,000,000
							Total:		\$10,000,000

Source: KYTC's Six-Year Highway Plan (FY 2003-2008)

**Table 4. Six Year Highway Plan Improvements (continued)**  
**Washington & Anderson Counties**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
 Heartland Parkway from Louie B. Nunn Cumberland Parkway to Bluegrass Parkway

County	Item Number	Route	Begin MP	End MP	Length (miles)	Type of Work	Phase of Development	Fiscal Year Scheduled	Phase Cost
Wash./ Anderson	4-284.02	KY 555	-	-	7.800	Add'l funding - KY 555 extension from B.G. Pkwy. to KY 248	Construction	2006	\$11,300,000
							Total:		\$11,300,000

Source: KYTC's Six-Year Highway Plan (FY 2003-2008)

**Table 5. 2003 Local Officials/Agencies/Public Meetings Questionnaire Results**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
Heartland Parkway from the Louie B. Nunn Cumberland Parkway to the  
Martha Layne Collins Blue Grass Parkway

1. Have you filled out a questionnaire on this project before?	
Yes	0 (0%)
No	51 (100%)

2. Do you think a new/reconstructed route from the Louie B. Nunn Cumberland Parkway to the Martha Layne Collins Blue Grass Parkway is needed?	
Yes	44 (88%)
No	6 (12%)

3. If a new/reconstructed roadway were built, do you think it would (check one):	
Be helpful to the region	44 (88%)
Have little or no impact on the region	3 (6%)
Not be helpful to the region	3 (6%)

4. If a new/reconstructed roadway were built, do you think it would (check all that apply):	
Improve regional access to a major highway network	42 (82%)
Improve economic development	42 (82%)
Improve tourism	38 (75%)

5. What types of transportation problems should a new route address? Please rate the following by circling a degree of problems for each issue on existing route:					
	No problems	Very few problems	Some problems	Frequent problems	Serious problems
Too much traffic	1(2%)	3(7%)	15(34%)	14(32%)	11(25%)
High speeds	2(5%)	7(16%)	18(42%)	14(33%)	2(5%)
Large trucks	1(2%)	2(4%)	10(22%)	19(42%)	13(29%)
Poor visibility	2(5%)	4(10%)	23(55%)	10(24%)	3(7%)
Dangerous curves	2(5%)	5(11%)	19(43%)	10(23%)	8(18%)
Narrow lanes	1(2%)	4(9%)	13(29%)	16(36%)	11(24%)
Narrow shoulders	1(2%)	2(4%)	16(36%)	16(36%)	10(22%)
Stopped or broken down cars	2(5%)	20(48%)	15(36%)	2(5%)	3(7%)
Other *	4(33%)	3(25%)	0(0%)	1(8%)	4(33%)

\* Comments = Limited passing (2); heavy lake traffic (1); city bypasses (1)

6. If a new route were built, would you use it (check one):	
Daily	17 (33%)
1-2 times per week	10 (20%)
3-4 times per week	7 (14%)
1 time per month	2 (4%)
3-4 times per month	9 (18%)
Never	1 (2%)
Other	5 (10%)

7. If you traveled this new route, what would be the primary purpose of your trips (check all that apply):	
To go to work or for business	29 (57%)
To go to the doctor	21 (41%)
To go to school or take kids to school	3 (6%)
For personal business	32 (63%)
To go shopping	33 (65%)
To visits friends or family	24 (47%)
To take trips or vacations	27 (53%)
Other	5 (10%)

8. Are there areas that should be avoided if this new route is constructed? Please check a box for areas to avoid and identify any specific locations you are aware of:	
Personal properties or homes	6 (12%)
Businesses/commercial property	5 (10%)
Natural areas or habitats	20 (39%)
Recreational areas	9 (18%)
Historic or cultural sites	20 (39%)
Hazardous or monitored sites	11 (22%)
Scenic areas or viewsheds	10 (20%)
Other	4 (8%)

9. Given your comments above, what type of roadway would best serve the needs of the region?	
2-lane with limited entrances	5 (10%)
4-lane divided with access only at major interchanges	15 (29%)
4-lane divided with limited entrances	29 (57%)
None	2 (4%)

10. The Heartland Parkway should be:	
A new route	8 (23%)
Reconstructed along the existing route	27 (77%)

**Table 6. 2004 Second Round Local Officials/Agencies/Stakeholder/Public Meetings Questionnaire Results**

Adair, Green, Taylor, Marion, & Washington Counties, Item No. 4-132.00  
Heartland Parkway from the Louie B. Nunn Cumberland Parkway to the  
Martha Layne Collins Blue Grass Parkway

1. Have you filled out a questionnaire on this project before?	
Yes	23 (18%)
No	104 (82%)

2. Do you think a new/reconstructed route from the Louie B. Nunn Cumberland Parkway to the Martha Layne Collins Blue Grass Parkway is needed?	
Yes	101 (80%)
No	26 (20%)

3. If a new/reconstructed roadway were built, do you think it would (check one):	
Be helpful to the region	100 (79%)
Have little or no impact on the region	21 (17%)
Not be helpful to the region	5 (4%)

4. The Heartland Parkway should be:	
A new route	31 (24%)
Reconstructed along the existing route	96 (76%)

5. Given your comments above, what type of roadway would best serves the needs of the region?	
2-lane with limited entrances	7 (6%)
4-lane divided with access only at major interchanges (similar to an Interstate)	28 (22%)
4-lane divided with limited entrances	89 (71%)
None	1 (1%)

6. Are there areas that should be avoided if any of the above options are constructed? Please check a box for areas to avoid and identify any specific locations you are aware of.	
Residential properties or homes	46 (37%)
Businesses/commercial property	18 (14%)
Natural areas or habitats	32 (25%)
Recreational areas	34 (27%)
Historic or cultural sites	65 (52%)
Hazardous or monitored sites	23 (18%)
Scenic areas or viewsheds	24 (19%)
Other *	6 (5%)

\* Comments = Farms; Real Lincoln Birthplace; many archeological sites in the area

7. Which Heartland Parkway Option do you prefer?	
Option One (New Interstate Roadway Design)	31 (19%)
Option Two (Existing Roadway Re-Design)	100 (63%)
Option Three (Existing Roadway Re-Design)	25 (16%)
None	4 (2%)

8. If you selected Options Two or Three, indicate which option you prefer for each segment by placing an "x" in the preferred segment square.								
Option 2	Seg. 1	Seg. 2	Seg. 3	Seg. 4	Seg. 5	Seg. 6	Seg. 7	Seg. 8
	73	73	55	69	52	72	53	53
Option 3	Seg. 1	Seg. 2	Seg. 3	Seg. 4	Seg. 5	Seg. 6	Seg. 7	Seg. 8
	3	4	23	5	22	4	22	23

9. Of the segments presented in Options Two and Three, indicate which segment you believe should be completed first, second, third, fourth, fifth, sixth, seventh, and eighth by placing a number that expresses your opinion on each segment's priority of completion in the appropriate square.								
Priority of Completion:								
Seg. 1	First	Sec.	Third	Fourth	Fifth	Sixth	Sev.	Eighth
	21	11	4	15	5	5	1	13
Seg. 2	First	Sec.	Third	Fourth	Fifth	Sixth	Sev.	Eighth
	18	22	7	3	5	3	17	1
Seg. 3	First	Sec.	Third	Fourth	Fifth	Sixth	Sev.	Eighth
	5	6	14	9	13	15	5	5
Seg. 4	First	Sec.	Third	Fourth	Fifth	Sixth	Sev.	Eighth
	7	9	11	18	16	5	2	4
Seg. 5	First	Sec.	Third	Fourth	Fifth	Sixth	Sev.	Eighth
	0	6	3	18	25	12	8	2
Seg. 6	First	Sec.	Third	Fourth	Fifth	Sixth	Sev.	Eighth
	11	2	21	6	4	26	0	2
Seg. 7	First	Sec.	Third	Fourth	Fifth	Sixth	Sev.	Eighth
	1	18	3	5	2	4	37	1
Seg. 8	First	Sec.	Third	Fourth	Fifth	Sixth	Sev.	Eighth
	13	2	8	2	2	3	2	40

\* Note: Eleven questionnaires had segment numbers entered on Question 9 that do not exist on this project. This data is not included in the results of Question 9.

**Table 7. Estimated Costs for Priority Segments**

<b>Heartland Parkway - Option 1 (Interstate/Parkway Type of Facility)</b>	
<b>Items</b>	<b>Total</b>
<b>Estimated Length</b>	60
<b>Design</b>	\$41,027,000
<b>Right-of-Way</b>	\$73,801,000
<b>Utilities</b>	\$16,000,000
<b>Construction</b>	\$509,650,000
<b>Contingencies</b>	\$76,448,000
<b>Total</b>	\$716,926,000

<b>Heartland Parkway - Option 2 (Four-Lane Facility Along Existing Routes)</b>													
<b>Items</b>	<b>Segment 1</b>	<b>Segment 2</b>	<b>Segment 3</b>		<b>Segment 4</b>	<b>Segment 5</b>		<b>Segment 6</b>	<b>Segment 7</b>		<b>Segment 8</b>		<b>Total</b>
	<b>Section A Adair Co. (KY 61 from L.B.N. C'land Pkw. to Columbia Bypass)</b>	<b>Section B Adair Co. Columbia Bypass</b>	<b>Section C Adair Co. (KY 55 from Columbia Bypass to Taylor Co. Line)</b>	<b>Section D Taylor Co. (KY 55 to Campbells- ville Bypass)</b>	<b>Section E Taylor Co. Campbellsville Bypass</b>	<b>Section F Taylor Co. (US 68 from Campbells- ville Bypass to Marion Co. Line)</b>	<b>Section G Marion Co. (US 68 to Lebanon Bypass)</b>	<b>Section H Marion Co. Lebanon Bypass</b>	<b>Section I Marion Co. (KY 55 from Lebanon Bypass to Wash. Co. Line)</b>	<b>Section J Washington Co. (KY 55 to KY 555)</b>	<b>Section K Washington Co. (KY 555 to MP 8.284)</b>	<b>Section L Washington Co. (KY 555 MP 8.284 to M.L.C. Blue Grass Pkw.)</b>	
<b>Section Length</b>	2.1	4.16	6.356	8.7	6.7	4.051	9.47	3.305	2.669	4.551	8.284	6.414	66.76
<b>2030 ADT</b>	-	10,700 - 13,700	22,200 - 24,400	21,000 - 32,500	9800 - 11,800	18,700 - 32,600	18,700 - 32,300	9800 - 12,700	24,500 - 25,000	21,900 - 25,000	13,600 - 19,400	9200 - 10,800	-
<b>Design</b>	-	2,894,000	1,824,000	2,673,000	2,322,000	685,000	2,510,000	927,000	478,000	883,000	1,720,000	1,463,000	\$18,379,000
<b>Right-of-Way</b>	2,000,000	4,400,000	2,589,000	14,867,000	5,868,000	2,866,000	8,186,000	2,200,000	2,613,000	2,988,000	4,372,000	4,854,000	\$57,803,000
<b>Utilities</b>	500,000	1,500,000	11,171,000	2,675,000	1,875,000	1,013,000	4,868,000	1,000,000	668,000	1,138,000	2,071,000	1,604,000	\$30,083,000
<b>Construction</b>	15,000,000	35,943,000	23,604,000	34,432,000	28,842,000	8,737,000	32,070,000	13,353,000	6,086,000	11,223,000	21,831,000	18,530,000	\$249,651,000
<b>Contingencies</b>	2,250,000	5,393,000	2,448,000	3,749,000	4,327,000	1,044,000	3,783,000	2,003,000	738,000	1,384,000	2,729,000	2,357,000	\$32,205,000
<b>Total</b>	\$19,750,000	\$50,130,000	\$41,636,000	\$58,396,000	\$43,234,000	\$14,345,000	\$51,417,000	\$19,483,000	\$10,583,000	\$17,616,000	\$32,723,000	\$28,808,000	\$388,121,000

<b>Heartland Parkway - Option 3 (Two-Lane Facility with Passing Lanes Every Three Miles)</b>													
<b>Items</b>	<b>Segment 1</b>	<b>Segment 2</b>	<b>Segment 3</b>		<b>Segment 4</b>	<b>Segment 5</b>		<b>Segment 6</b>	<b>Segment 7</b>		<b>Segment 8</b>		<b>Total</b>
	<b>Section A Adair Co. (KY 61 from L.B.N. C'land Pkw. to Columbia Bypass)</b>	<b>Section B Adair Co. Columbia Bypass</b>	<b>Section C Adair Co. (KY 55 from Columbia Bypass to Taylor Co. Line)</b>	<b>Section D Taylor Co. (KY 55 to Campbells- ville Bypass)</b>	<b>Section E Taylor Co. Campbellsville Bypass</b>	<b>Section F Taylor Co. (US 68 from Campbells- ville Bypass to Marion Co. Line)</b>	<b>Section G Marion Co. (US 68 to Lebanon Bypass)</b>	<b>Section H Marion Co. Lebanon Bypass</b>	<b>Section I Marion Co. (KY 55 from Lebanon Bypass to Wash. Co. Line)</b>	<b>Section J Washington Co. (KY 55 to KY 555)</b>	<b>Section K Washington Co. (KY 555 to MP 8.284)</b>	<b>Section L Washington Co. (KY 555 MP 8.284 to M.L.C. Blue Grass Pkw.)</b>	
<b>Section Length</b>	2.1	4.16	6.356	8.7	6.7	4.051	9.47	3.305	2.669	4.551	8.284	6.414	66.76
<b>2030 ADT</b>	-	10,700 - 13,700	19,500 - 21,700	18,500 - 28,700	8600 - 10,500	16,500 - 20,800	16,500 - 28,400	8600 - 11,100	21,500 - 22,000	19,200 - 22,000	11,900 - 17,100	8100 - 9500	-
<b>Design</b>	-	-	317,000	392,000	1,444,000	193,000	523,000	450,000	142,000	216,000	435,000	348,000	\$4,460,000
<b>Right-of-Way</b>	2,000,000	4,400,000	122,000	122,000	5,868,000	0	0	1,300,000	0	0	0	122,000	\$13,934,000
<b>Utilities</b>	500,000	1,500,000	600,000	600,000	1,875,000	300,000	900,000	1,000,000	300,000	300,000	900,000	600,000	\$9,375,000
<b>Construction</b>	15,000,000	18,750,000	4,198,000	5,228,000	17,933,000	2,561,000	6,893,000	7,428,000	1,871,000	2,869,000	5,754,000	4,594,000	\$93,079,000
<b>Contingencies</b>	2,250,000	2,813,000	320,000	360,000	2,690,000	187,000	572,000	1,115,000	151,000	209,000	459,000	377,000	\$11,503,000
<b>Total</b>	\$19,750,000	\$27,463,000	\$5,557,000	\$6,702,000	\$29,810,000	\$3,241,000	\$8,888,000	\$11,293,000	\$2,464,000	\$3,594,000	\$7,548,000	\$6,041,000	\$132,351,000

**Table 8: Summary of Potential Environmental Impacts**

Study Area	Corridor		
	Option 1	Option 2	Option 3
<b>Stream Crossings</b>	64 perennial 32 intermittent	37 perennial 10 intermittent	7-37 perennial 8-10 intermittent*
<b>Floodplain Encroachment**</b>	(8) 100-year floodplains	(2) 100-year floodplains	None
<b>Potential Wetlands</b>	211 ponds, 18 riverine, 17 emergent, 9 forested	17 ponds, 3 riverine, 1 emergent, 1 forested, 1 lacustrine	6-17 ponds, 2-6 riverine, 2-3 emergent, 2-3 forested, 1 lacustrine <sup>††</sup>
<b>Threatened and Endangered Species</b>	Five federally endangered species (two bats and three mussels species) and two federally threatened species (bald eagle and Eggert's sunflower) have been known to occur within the project corridor areas.		
<b>Natural Areas</b>	The corridors are located within the boundaries of the Green River Bioreserve. Several exemplary natural communities monitored by KSNPC are located within Adair, Green, Marion, and Taylor Counties. A formal data request would be required to obtain specific locations of natural communities.		
<b>Significant Stream Resources</b>	No wild and scenic rivers have been identified in the project area. Green River is an Outstanding State Resource Water. Russell Creek is an Exceptional Water and Reference Reach Stream.		
<b>Socioeconomic</b>	Some relocations will be required, but should not cause burdens on the local real estate markets. The new roadway is anticipated to provide stimulus for economic development by relieving traffic congestion, improving driving conditions and attracting industrial and commercial businesses to the region. If complementary efforts by local and regional officials are continued, positive impacts could include improved earnings, and lowered unemployment and poverty rates for the five project counties and their Labor Market Areas.		
<b>Farmland</b>	Farmland will be acquired and converted to right of way for each of the project options. Option 1 will require more farmland, and will have a greater potential to affect agricultural conservation easements and agricultural districts than Options 2 and 3.		
<b>Environmental Justice</b>	No environmental justice issues appear to exist in the project area.		
<b>Cultural/Historic Resources</b>	43 structures could potentially be involved, but due to the width of the corridor, the potential exists to avoid or minimize impacts to historic sites.	21 structures could potentially be involved, but due to the width of the corridor, the potential exists to avoid or minimize impacts to historic sites.	21 structures could potentially be involved, but due to the width of the corridor, the potential exists to avoid or minimize impacts to historic sites.
<b>Archaeological Resources</b>	The potential exists for prehistoric and/or historic archaeological sites to be discovered on each option.		
<b>Hazardous Materials/ Underground Storage Tank Sites</b>	No major impacts on hazardous materials or underground storage tanks appear to exist in the project corridors.		
<b>Air Quality</b>	No major air quality impacts are predicted for any option.		
<b>Traffic Noise</b>	The potential exists for individual receptors to approach or exceed regulatory thresholds (e.g., 67 dBA Leq for residential receptors and 72 dBA Leq for commercial receptors, or increase of 10dBA Leq). If any receptor approaches or exceeds a regulatory threshold, abatement considerations (e.g. noise barrier) may be appropriate.		

\*Potential number of stream crossings depending on placement of highway improvements

\*\*Additional floodplains likely exist along streams; however, floodplains in Washington, Green, and Adair Counties are not currently mapped.

††Potential number of wetland crossings depending on placement of highway improvements.

**TABLE. 9**

**Federal and State Threatened and Endangered Species Lists by Agency**

**1. Federal Threatened and Endangered Species reported by USFWS as having potential to occur within the project corridors.**

<b>Species Common Name</b>	<b>Species Scientific Name</b>	<b>Listed Status</b>
<b>Mammals</b>		
Indiana Bat	<i>Myotis sodalis</i>	Federally endangered
Gray Bat	<i>Myotis grisescens</i>	Federally endangered
<b>Birds</b>		
Bald Eagle	<i>Haliaeetus leucocephalus</i>	Federally threatened
<b>Plants</b>		
Eggert's Sunflower	<i>Helianthus eggertii</i>	Federally threatened
<b>Mussels</b>		
Fanshell	<i>Cyprogenia stegaria</i>	Federally endangered
Clubshell	<i>Pleurobema clava</i>	Federally endangered
Rough Pigtoe	<i>Pleurobema plenum</i>	Federally endangered
Northern Riffleshell	<i>Epioblasma torulosa rangiana</i>	Federally endangered (likely extirpated)
Fat Pocketbook	<i>Potamilus capax</i>	Federally endangered (likely extirpated)
Tubercled Blossom	<i>Epioblasma torulosa torulosa</i>	Federally endangered (likely extirpated)

**2. Federal-listed threatened or endangered species reported from quadrangles within the project area. Information obtained from Kentucky Department of Fish and Wildlife Resources (KDFWR) website.**

<b>Taxonomic Group</b>	<b>Species</b>	<b>USFWS Status</b>	<b>KDFWR Status</b>	<b>Quadrangle</b>
<b>Birds</b>	<i>Haliaeetus leucocephalus</i> (bald eagle)	T	E	Cambellsville, Cane Valley
<b>Bivalves</b>	<i>Pleurobema clava</i> (clubshell)	E	E	Cane Valley
<b>Mammals</b>	<i>Myotis grisescens</i> (gray bat)	E	E	Campbellsville, Cane Valley, Columbia, Greensburg, Saloma
	<i>Myotis sodalis</i> (Indiana bat)	E	E	Cane Valley, Saloma

E = Endangered  
T = Threatened

**3. Kentucky State Nature Preserves Commission (KSNPC) species reported as having the potential to occur within the counties listed.**

<b>Taxonomic Group</b>	<b>Species</b>	<b>KSNPC Status</b>	<b>County</b>
<b>Plants</b>	<i>Acer spicatum</i> (mountain maple)	E	Adair
	<i>Adiantum capillus-veneris</i> (southern maidenhair-fern)	T	Adair, Green, Taylor
	<i>Aureolaria patula</i> (spreading false foxglove)	S	Adair, Green, Taylor
	<i>Chelone oblique</i> var. <i>speciosa</i> (rose turtlehead)	S	Adair
	<i>Glyceria acutiflora</i> (sharp-scaled manna-grass)	T	Marion
	<i>Helianthus eggertii</i> (Eggert's sunflower)	T	Taylor
	<i>Heteranthera dubia</i> (grassleaf mud-plantain)	S	Adair
	<i>Juglans cinerea</i> (white walnut)	S	Green
	<i>Parnassia grandifolia</i> (large-leaved grass-of-parnassus)	E	Adair
	<i>Stellaria longifolia</i> (longleaf stitchwort)	S	Marion
	<i>Trillium pusillum</i> (least trillium)	E	Marion
	<i>Ulmus serotina</i> (September elm)	S	Adair, Green
	<i>Vernonia noveboracensis</i> (New York ironweed)	S	Washington
	<b>Gastropods</b>	<i>Lithasia armigera</i> (armored rocksnail)	S
<b>Bivalves</b>	<i>Alasmidonta marginata</i> (elktoe)	T	Green, Marion, Taylor
	<i>Cyprogenia stegaria</i> (fanshell)	E	Green
	<i>Epioblasma torulosa rangiana</i> (northern riffleshell)	E	Green, Taylor
	<i>Epioblasma triquetra</i> (snuffbox)	S	Green, Marion, Taylor
	<i>Lampsilis ovata</i> (pocketbook)	E	Green, Taylor
	<i>Pleurobema clava</i> (clubshell)	E	Green, Taylor
	<i>Pleurobema plenum</i> (rough pigtoe)	E	Green
	<i>Quadrula cylindrica cylindrica</i> (rabbitsfoot)	T	Adair, Green, Taylor
	<i>Simpsonaias ambigua</i> (salamander mussel)	T	Marion
	<i>Toxolasma lividus</i> (purple lilliput)	E	Adair, Green
	<i>Villosa fabalis</i> (rayed bean)	E	Green
	<i>Villosa lienosa</i> (little spectaclecase)	S	Adair, Green, Marion, Taylor
	<i>Villosa ortmanni</i> (Kentucky creekshell)	T	Adair, Green
<b>Crustaceans</b>	<i>Barbicambarus cornutus</i> (bottlebrush crayfish)	S	Adair, Green, Taylor
	<i>Orconectes inermis inermis</i> (a crayfish)	S	Green

**Kentucky State Nature Preserves Commission (KSNPC) species reported  
as having the potential to occur within the counties listed (continued).**

<b>Taxonomic Group</b>	<b>Species</b>	<b>KSNPC Status</b>	<b>County</b>
<b>Other Types</b>	<i>Pseudotremia merops</i>	T	Adair
<b>Insects</b>	<i>Allocapnia cunningham</i>	H	Adair
	<i>Dryobius sexnotatus</i> (sixbanded longhorn beetle)	T	Taylor
	<i>Erora laeta</i> (early hairstreak)	S	Green
	<i>Ophiogomphus aspersus</i> (brook snaketail)	H	Green
	<i>Pseudanophthalmus parvus</i> (tatum cave beetle)	T	Marion
	<i>Stenonema bednariki</i> (a heptageniid mayfly)	S	Marion
	<i>Stylurus notatus</i> (elusive clubtail)	H	Green, Marion
<b>Fishes</b>	<i>Ammocrypta clara</i> (western sand darter)	E	Green
	<i>Etheostoma maculatum</i> (spotted darter)	T	Adair, Green
	<i>Ichthyomyzon greeleyi</i> (mountain brook lamprey)	T	Adair, Green
	<i>Lampetra appendix</i> (American brook lamprey)	T	Green
	<i>Noturus exilis</i> (slender madtom)	E	Taylor
	<i>Noturus stigmosus</i> (northern madtom)	S	Green, Marion
	<i>Percina macrocephala</i> (longhead darter)	T	Adair, Green
	<i>Phenacobius uranops</i> (stargazing minnow)	S	Adair, Green
<b>Amphibians</b>	<i>Cryptobranchus alleganiensis alleganiensis</i> (eastern hellbender)	S	Adair, Green, Taylor
<b>Birds</b>	<i>Accipiter striatus</i> (sharp-shinned hawk)	S	Adair, Washington
	<i>Aimophila aestivalis</i> (Bachman's sparrow)	E	Taylor, Washington
	<i>Ammodramus henslowii</i> (Henslow's sparrow)	S	Adair, Green, Marion, Taylor, Washington
	<i>Ardea herodias</i> (great blue heron)	S	Green
	<i>Chondestes grammacus</i> (lark sparrow)	T	Marion, Taylor, Washington
	<i>Cistothorus platensis</i> (sedge wren)	S	Green, Marion, Taylor
	<i>Thryomanes bewickii</i> (Bewick's wren)	S	Marion, Washington
<b>Mammals</b>	<i>Corynorhinus rafinesquii</i> (Rafinesque's big-eared bat)	S	Adair, Taylor
	<i>Myotis grisescens</i> (gray bat)	E	Adair, Green, Taylor
	<i>Myotis sodalis</i> (Indiana bat)	E	Adair, Taylor
	<i>Nycticeius humeralis</i> (evening bat)	T	Adair

E = Endangered  
T = Threatened  
S = Special Concern  
H = Historic