

## **APPENDIX C.**

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**Table 1. Systems, Traffic and Geometric Data**  
**Jackson County**  
**KY 30, MP 11.416 to MP 20.919**  
 Jackson and Owsley Counties, Item No. 10-279.50  
 Reconstruction of KY 30 from US 421 at Tyner to KY 11 at Booneville

**Major Highway Systems**

Functional Classification	Rural Minor Arterial
State System	State Primary
National Truck Network	No
NHS	No
Truck Weight Class	AA

**Highway Attributes**

Type Road	Undivided
Type of Terrain	Rolling
Number of Bridges	2
Pavement Type	High Flexible
Average Right-of-Way	60 ft.

**Other Highway Systems**

Appalachian Development Hwy.	No
Bike Route System	No
Coal Haul Route	Yes
MP 11.416 - MP 12.500	44,273 tons annually
MP 12.500 - MP 20.900	42,737 tons annually
Defense Highway Network	Yes
Extended Weight System	No
Forest Highway System	No
Scenic Byway System	No

**Traffic and Geometric Data**

Begin MP	End MP	Length (Miles)	2001 ADT	Annual Growth Rate	2025 ADT No Impr.	% Trucks	Number of Lanes	Lane Width (Feet)	Shoulder Width (Feet)	% Passing Sight Distance	Speed Limit (MPH)	2001 LOS (Existing)	2025 LOS (w/ No Impr.)
11.416	12.523	1.107	2,850	2.0%	4,580	9.0	2	9	2*	0	55	E	E
12.523	13.596	1.073	1,230	2.0%	1,980	9.0	2	9	1*	0	55	E	E
13.596	14.765	1.169	924	2.0%	1,490	9.0	2	9	1*	0	55	E	E
14.765	19.622	4.857	457	2.0%	740	9.0	2	9	1*	0	55	E	E
19.622	20.919	1.297	459	2.0%	740	9.0	2	9	1*	0	55	E	E

Sources: KYTC's *Highway Information System (HIS)* database, Transportation Research Board's *2000 Highway Capacity Manual*

\* Paved

**Table 1. Systems, Traffic and Geometric Data (continued)**  
**Jackson County**  
**US 421, MP 1.654 to MP 8.215**  
 Jackson and Owsley Counties, Item No. 10-279.50  
 Reconstruction of KY 30 from US 421 at Tyner to KY 11 at Booneville

**Major Highway Systems**

Functional Classification	Rural Minor Arterial
State System	State Primary
National Truck Network	No
NHS	No
Truck Weight Class	AAA

**Highway Attributes**

Type Road	Undivided
Type of Terrain	
MP 1.654 to MP 3.799	Rolling
MP 3.799 to MP 7.464	Mountainous
Number of Bridges	1
Pavement Type	High Flexible
Average Right-of-Way	60 ft.

**Other Highway Systems**

Appalachian Development Hwy.	No
Bike Route System	No
Coal Haul Route	Yes
MP 1.654 - MP 3.800	1,536 tons annually
MP 3.800 - MP 4.600	42,737 tons annually
Defense Highway Network	Yes
Extended Weight System	No
Forest Highway System	MP 14.200 - MP 14.745
Scenic Byway System	MP 14.261 - MP 14.808

**Traffic and Geometric Data**

Begin MP	End MP	Length (Miles)	2001 ADT	Annual Growth Rate	2025 ADT No Imp	% Trucks	Number of Lanes	Lane Width (Feet)	Shoulder Width (Feet)	% Passing Sight Distance	Speed Limit (MPH)	2001 LOS	2025 LOS No Imp
1.654	3.786	2.132	1820	2.0%	2,930	13.7	2	9	2*	0	55	E	E
3.786	4.592	0.806	3660	2.0%	5,890	13.7	2	9	2*	0	55	E	E
4.592	5.659	1.067	2720	2.0%	4,370	13.7	2	9	2*	0	55	E	E
5.659	7.464	1.805	3390	2.0%	5,450	13.7	2	9	2*	0	55	E	E
7.464	7.760	0.296	3,130	2.0%	5,030	13.7	2	10	2*	0	55	E	E
7.760	8.215	0.455	3,130	2.0%	5,030	13.7	2	10	2*	0	45	E	E

Sources: KYTC's *Highway Information System (HIS)* database, Transportation Research Board's *2000 Highway Capacity Manual*

\* Paved

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

**Jackson County**

**KY 1071, MP 0.000 to MP 6.712**

Jackson and Owsley Counties, Item No. 10-279.50

Reconstruction of KY 30 from US 421 at Tyner to KY 11 at Booneville

**Major Highway Systems**

Functional Classification	Rural Minor Collector
State System	Rural Secondary
National Truck Network	No
NHS	No
Truck Weight Class	A

**Highway Attributes**

Type Road	Undivided
Type of Terrain	
MP 0.000 to MP 2.597	Rolling
MP 2.597 to MP 6.712	Mountainous
Number of Bridges	1
Pavement Type	Mixed Bituminous
Average Right-of-Way	45 ft.

**Other Highway Systems**

Appalachian Development Hwy.	No
Bike Route System	No
Coal Haul Route	No
Defense Highway Network	No
Extended Weight System	No
Forest Highway System	No
Scenic Byway System	No

**Traffic and Geometric Data**

Begin MP	End MP	Length (Miles)	2001 ADT	Annual Growth Rate	2025 ADT No Imp	% Trucks	Number of Lanes	Lane Width (Feet)	Shoulder Width (Feet)	% Passing Sight Distance	Speed Limit (MPH)	2001 LOS	2025 LOS No Imp
0.000	2.597	2.597	834	2.0%	1,340	9.4	2	9	3*	N / A	55	A	A
2.597	4.761	2.164	378	2.0%	610	9.4	2	9	3*	N / A	55	A	A
4.761	6.712	1.951	243	2.0%	390	9.4	2	9	3*	N / A	55	A	A

Sources: KYTC's *Highway Information System (HIS)* database, Transportation Research Board's *2000 Highway Capacity Manual*

\* Combination

**Table 1. System, Traffic and Geometric Data (continued)**  
**Jackson County**  
**KY 1431, MP 0.000 to MP 2.951**  
 Jackson and Owsley Counties, Item No. 10-279.50  
 Reconstruction of KY 30 from US 421 at Tyner to KY 11 at Booneville

**Major Highway Systems**

Functional Classification	Rural Minor Collector
State System	Rural Secondary
National Truck Network	No
NHS	No
Truck Weight Class	A

**Highway Attributes**

Type Road	Undivided
Type of Terrain	Rolling
Number of Bridges	0
Pavement Type	Mixed Bituminous
Average Right-of-Way	45 ft.

**Other Highway Systems**

Appalachian Development Hwy.	No
Bike Route System	No
Coal Haul Route	No
Defense Highway Network	No
Extended Weight System	No
Forest Highway System	No
Scenic Byway System	No

**Traffic and Geometric Data**

Begin MP	End MP	Length (Miles)	2001 ADT	Annual Growth Rate	2025 ADT No Imp	% Trucks	Number of Lanes	Lane Width (Feet)	Shoulder Width (Feet)	% Passing Sight Distance	Speed Limit (MPH)	2001 LOS	2025 LOS No Imp
0.000	2.112	2.112	936	2.0%	1,510	9.4	2	9	3*	0	55	A	B
2.112	2.951	0.839	414	2.0%	670	9.4	2	9	3*	0	55	A	A

Sources: KYTC's *Highway Information System (HIS)* database, Transportation Research Board's *2000 Highway Capacity Manual*

\* Combination

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

**Jackson County  
KY 1709, MP 0.000 to MP 3.980**

Jackson and Owsley Counties, Item No. 10-279.50  
Reconstruction of KY 30 from US 421 at Tyner to KY 11 at Booneville

**Major Highway Systems**

Functional Classification	Rural Minor Collector
State System	Rural Secondary
National Truck Network	No
NHS	No
Truck Weight Class	A

**Highway Attributes**

Type Road	Undivided
Type of Terrain	Rolling
Number of Bridges	1
Pavement Type	Mixed Bituminous
Average Right-of-Way	45 ft.

**Other Major Systems**

Appalachian Development Hwy.	No
Bike Route System	No
Coal Haul Route	No
Defense Highway Network	No
Extended Weight System	No
Forest Highway System	No
Scenic Byway System	No

**Traffic and Geometric Data**

Begin MP	End MP	Length (Miles)	2001 ADT	Annual Growth Rate	2025 ADT No Imp	% Trucks	Number of Lanes	Lane Width (Feet)	Shoulder Width (Feet)	% Passing Sight Distance	Speed Limit (MPH)	2001 LOS	2025 LOS No Imp
0.000	2.764	2.764	195	2.0%	310	9.4	2	9	3*	N / A	55	A	A
2.764	3.980	1.216	795	2.0%	1,280	9.4	2	9	3*	N / A	55	A	A

Sources: KYTC's *Highway Information System (HIS)* database, Transportation Research Board's *2000 Highway Capacity Manual*

\* Combination

**Table 1. Systems, Traffic and Geometric Data (continued)**  
**Jackson County**  
**KY 3445, MP 0.000 to MP 2.888**  
 Jackson and Owsley Counties, Item No. 10-279.50  
 Reconstruction of KY 30 from US 421 at Tyner to KY 11 at Booneville

**Major Highway Systems**

Functional Classification	Rural Local
State System	Rural Secondary
National Truck Network	No
NHS	No
Truck Weight Class	A

**Highway Attributes**

Type Road	Undivided
Type of Terrain	Rolling
Number of Bridges	0
Pavement Type	Mixed Bituminous
Average Right-of-Way	45 ft.

**Other Highway Systems**

Appalachian Development Hwy.	No
Bike Route System	No
Coal Haul Route	No
Defense Highway Network	No
Extended Weight System	No
Forest Highway System	No
Scenic Byway System	No

**Traffic and Geometric Data**

Begin MP	End MP	Length (Miles)	2001 ADT	Annual Growth Rate	2025 ADT No Imp	% Trucks	Number of Lanes	Lane Width (Feet)	Shoulder Width (Feet)	% Passing Sight Distance	Speed Limit (MPH)	2001 LOS	2025 LOS No Imp
0.000	1.025	1.025	686	2.0%	1,100	10.5	2	9	3*	N / A	55	A	A
1.025	2.888	1.863	1040	2.0%	1,670	10.5	2	9	3*	N / A	55	A	B

Sources: KYTC's *Highway Information System (HIS)* database, Transportation Research Board's *2000 Highway Capacity Manual*

\* Combination

**Table 1. Systems, Traffic and Geometric Data (continued)**  
**Owsley County**  
**KY 30, M.P. 0.000 to M.P. 11.206**  
 Jackson and Owsley Counties, Item No. 10-279.50  
 Reconstruction of KY 30 from US 421 at Tyner to KY 11 at Booneville

**Major Highway Systems**

Functional Classification	Rural Minor Arterial
State System	State Primary (Other)
National Truck Network	No
NHS	No
Truck Weight Class	A

**Highway Attributes**

Type Road	Undivided
Type of Terrain	Rolling
Number of Bridges	5
Pavement Type	Mixed Bituminous
Average Right-of-Way	
MP 0.000 - MP 10.799	80 ft.
MP 10.799 - MP 11.000	40 ft.

**Other Highway Systems**

Appalachian Development Hwy.	No
Bike Route System	MP 6.843 - MP 11.237
Coal Haul Route	Yes
MP 0.000 - MP 3.400	42,737 tons annually
MP 11.200 - MP 11.206	1,874 tons annually
Defense Highway Network	Yes
Extended Weight System	No
Forest Highway System	No
Scenic Byway System	No

**Traffic and Geometric Data**

Begin MP	End MP	Length (Miles)	2001 ADT	Annual Growth Rate	2025 ADT No Imp	% Trucks	Number of Lanes	Lane Width (Feet)	Shoulder Width (Feet)	% Passing Sight Distance	Speed Limit (MPH)	2001 LOS	2025 LOS No Imp
0.000	0.646	0.646	575	1.8%	880	7.6	2	9	2*	0	55	E	E
0.646	3.440	2.794	883	1.8%	1,350	7.6	2	9	2*	0	55	E	E
3.440	5.211	1.771	935	1.8%	1,430	7.6	2	9	2*	0	55	E	E
5.211	6.834	1.623	1080	1.8%	1,660	7.6	2	9	2*	0	55	E	E
6.834	8.700	1.866	976	1.8%	1,500	7.6	2	9	2*	0	55	E	E
8.700	10.799	2.099	1340	1.8%	2,060	7.6	2	9	2*	0	55	E	E
10.799	11.000	0.201	1340	1.8%	2,060	7.6	2	9	2*	0	35	E	E
11.000	11.206	0.206	1340	1.8%	2,060	7.6	2	9	2*	0	55	E	E

Sources: KYTC's *Highway Information System (HIS)* database, Transportation Research Board's *2000 Highway Capacity Manual*

\* MP 0.000-3.415 & MP 6.834-11.206 Combination; MP 3.415-6.834 Paved Bituminous



**Table 1. Systems, Traffic and Geometric Data (continued)**  
**Owsley County**  
**KY 11, M.P. 10.794 to M.P. 17.307**

Jackson and Owsley Counties, Item No. 10-279.50  
 Reconstruction of KY 30 from US 421 at Tyner to KY 11 at Booneville

**Major Highway Systems**

Functional Classification	
MP 10.794 to MP 14.343	Rural Major Collector
MP 14.343 to MP 17.307	Rural Minor Arterial
State System	
MP 10.794 to MP 14.343	State Secondary
MP 14.343 to MP 17.307	State Primary (other)
National Truck Network	No
NHS	No
Truck Weight Class	
MP 10.794 - MP 12.170	AA
MP 12.170 - MP 17.307	AAA

**Other Highway Systems**

Appalachian Development Hwy.	No
Bike Route System	MP 12.114 - MP 14.277
Coal Haul Route	Yes
MP 10.794 - MP 12.100	12,382 tons annually
MP 12.100 - MP 14.300	10,508 tons annually
MP 14.300 - MP 17.307	1,347 tons annually
Defense Highway Network	MP 14.230 - MP 17.307
Extended Weight System	No
Forest Highway System	No
Scenic Byway System	No

**Highway Attributes**

Type Road	Undivided
Type of Terrain	Rolling
Number of Bridges	0
Pavement Type	High Flexible
Average Right-of-Way	
MP 10.794 - MP 12.114	80 ft.
MP 12.114 - MP 14.343	150 ft.
MP 14.343 - MP 17.307	80 ft.

**Traffic and Geometric Data**

Begin MP	End MP	Length (Miles)	2001 ADT	Annual Growth Rate	2025 ADT No Imp	% Trucks	Number of Lanes	Lane Width (Feet)	Shoulder Width (Feet)	% Passing Sight Distance	Speed Limit (MPH)	2001 LOS	2025 LOS No Imp
10.794	11.555	0.761	2330	1.8%	3,580	3.5	2	9	2*	15	55	E	E
11.555	11.904	0.349	2330	1.8%	3,580	3.5	2	9	2*	15	35	E	E
11.904	12.007	0.103	2330	1.8%	3,580	3.5	2	10	2*	0	25	E	E
12.007	12.013	0.006	2330	1.8%	3,580	3.5	2	10	2*	N/A	35	E	E
12.013	12.035	0.022	2590	1.8%	3,970	3.5	2	10	2*	N/A	35	E	E
12.035	12.090	0.055	2590	1.8%	3,970	3.5	2	9	2*	52	35	E	E
12.090	12.114	0.024	3270	1.8%	5,020	3.5	2	9	2*	52	35	E	E
12.114	12.367	0.253	4550	1.8%	6,980	5.4	2	9	8*	52	35	E	E
12.367	12.453	0.086	4550	1.8%	6,980	5.4	2	9	8*	52	55	E	E
12.453	13.156	0.703	4550	1.8%	6,980	5.4	2	9	8*	51	55	E	E
13.156	13.218	0.062	4550	1.8%	6,980	5.4	2	9	8*	52	55	E	E
13.218	14.227	1.009	4210	1.8%	6,460	5.8	2	9	8*	52	55	E	E
14.227	14.841	0.614	2350	1.8%	3,610	5.8	2	9	6*	18	55	E	E
14.841	17.307	2.466	2350	1.8%	3,610	5.8	2	9	2*	18	55	E	E

Sources: KYTC's Highway Information System (HIS) database, Transportation Research Board's 2000 Highway Capacity Manual

\* Paved

**Table 1. Systems, Traffic and Geometric Data (continued)**  
**Owsley County**  
**KY 399, M.P. 0.000 to M.P. 1.908**  
 Jackson and Owsley Counties, Item No. 10-279.50  
 Reconstruction of KY 30 from US 421 at Tyner to KY 11 at Booneville

**Major Highway Systems**

Functional Classification	Rural Minor Collector
State System	Rural Secondary
National Truck Network	No
NHS	No
Truck Weight Class	A

**Highway Attributes**

Type Road	Undivided
Type of Terrain	Rolling
Number of Bridges	0
Pavement Type	Mixed Bituminous
Average Right-of-Way	
MP 0.000 - MP 1.680	60 ft.
MP 1.680 - MP 1.908	Not Available

**Other Highway Systems**

Appalachian Development Hwy.	No
Bike Route System	MP 0.000 - MP 1.680
Coal Haul Route	No
Defense Highway Network	No
Extended Weight System	No
Forest Highway System	No
Scenic Byway System	No

**Traffic and Geometric Data**

Begin MP	End MP	Length (Miles)	2001 ADT	Annual Growth Rate	2025 ADT No Imp	% Trucks	Number of Lanes	Lane Width (Feet)	Shoulder Width (Feet)	% Passing Sight Distance	Speed Limit (MPH)	2001 LOS	2025 LOS No Imp
0.000	1.908	1.908	523	1.8%	800	9.4	2	8	2*	N / A	55	A	A

Sources: KYTC's *Highway Information System (HIS)* database, Transportation Research Board's *2000 Highway Capacity Manual*

\* Earth

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

**Owsley County**

**KY 846, M.P. 0.000 to M.P. 4.000**

Jackson and Owsley Counties, Item No. 10-279.50

Reconstruction of KY 30 from US 421 at Tyner to KY 11 at Booneville

**Major Highway Systems**

Functional Classification	Rural Major Collector
State System	State Secondary
National Truck Network	No
NHS	No
Truck Weight Class	A

**Highway Attributes**

Type Road	Undivided
Type of Terrain	Rolling
Number of Bridges	0
Pavement Type	High Flexible
Average Right-of-Way	60 ft.

**Other Highway Systems**

Appalachian Development Hwy.	No
Bike Route System	No
Coal Haul Route	Yes
<i>MP 0.000 - MP 0.800</i>	42,737 tons annually
Defense Highway Network	No
Extended Weight System	No
Forest Highway System	No
Scenic Byway System	No

**Traffic and Geometric Data**

Begin MP	End MP	Length (Miles)	2001 ADT	Annual Growth Rate	2025 ADT No Imp	% Trucks	Number of Lanes	Lane Width (Feet)	Shoulder Width (Feet)	% Passing Sight Distance	Speed Limit (MPH)	2001 LOS	2025 LOS No Imp
0.000	0.846	0.846	595	1.8%	910	4.3	2	8	2*	0	55	A	A
0.846	4.000	3.154	389	1.8%	600	4.3	2	8	2*	0	55	A	A

Sources: KYTC's *Highway Information System (HIS)* database, Transportation Research Board's *2000 Highway Capacity Manual*

\* Stabilized MP 0.0-5.2

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

**Owsley County**

**KY 847, M.P. 0.000 to M.P. 7.177**

Jackson and Owsley Counties, Item No. 10-279.50

Reconstruction of KY 30 from US 421 at Tyner to KY 11 at Booneville

**Major Highway Systems**

Functional Classification	Rural Minor Collector
State System	Rural Secondary
National Truck Network	No
NHS	No
Truck Weight Class	A

**Highway Attributes**

Type Road	Undivided
Type of Terrain	Rolling
Number of Bridges	1
Pavement Type	
MP 0.000 - MP 4.300	Mixed Bituminous
MP 4.300 - MP 5.000	Soil, Gravel
MP 5.000 - MP 7.177	Mixed Bituminous
Average Right-of-Way	40 ft.

**Other Highway Systems**

Appalachian Development Hwy.	No
Bike Route System	No
Coal Haul Route	No
Defense Highway Network	No
Extended Weight System	No
Forest Highway System	No
Scenic Byway System	No

**Traffic and Geometric Data**

Begin MP	End MP	Length (Miles)	2001 ADT	Annual Growth Rate	2025 ADT No Imp	% Trucks	Number of Lanes	Lane Width (Feet)	Shoulder Width (Feet)	% Passing Sight Distance	Speed Limit (MPH)	2001 LOS	2025 LOS No Imp
0.000	0.757	0.757	143	1.8%	220	0.8	2	8	2*	N / A	55	A	A
0.757	5.186	4.429	251	1.8%	390	0.8	2	8	2*	N / A	55	A	A
5.186	7.177	1.991	274	1.8%	420	0.8	2	8	2*	N / A	55	A	A

Sources: KYTC's *Highway Information System (HIS)* database, Transportation Research Board's *2000 Highway Capacity Manual*

\* Earth

**Table 1. Systems, Traffic and Geometric Data (continued)**  
**Owsley County**  
**KY 1071, M.P. 0.000 to M.P. 3.907**  
 Jackson and Owsley Counties, Item No. 10-279.50  
 Reconstruction of KY 30 from US 421 at Tyner to KY 11 at Booneville

**Major Highway Systems**

Functional Classification	
MP 0.000 to MP 0.872	Rural Minor Collector
MP 0.872 to MP 3.907	Rural Local
State System	Rural Secondary
National Truck Network	No
NHS	No
Truck Weight Class	
MP 0.000 to MP 0.872	AA
MP 0.872 - MP 3.907	A

**Other Highway Systems**

Appalachian Development Hwy.	No
Bike Route System	No
Coal Haul Route	No
Defense Highway Network	No
Extended Weight System	No
Forest Highway System	No
Scenic Byway System	No

**Highway Attributes**

Type Road	Undivided
Type of Terrain	Rolling
Number of Bridges	0
Pavement Type	Mixed Bituminous
Average Right-of-Way	
MP 0.000 - MP 0.892	50 ft.
MP 0.892 - MP 3.907	30 ft.

**Traffic and Geometric Data**

Begin MP	End MP	Length (Miles)	2001 ADT	Annual Growth Rate	2025 ADT No Imp	% Trucks	Number of Lanes	Lane Width (Feet)	Shoulder Width (Feet)	% Passing Sight Distance	Speed Limit (MPH)	2001 LOS	2025 LOS No Imp
0.000	0.872	0.872	253	1.8%	390	9.4	2	8	2*	N / A	55	A	A
0.872	0.892	0.020	253	1.8%	390	10.5	2	8	2*	N / A	55	A	A
0.892	3.907	3.015	68	1.8%	100	10.5	2	7	2*	N / A	55	A	A

Sources: KYTC's *Highway Information System (HIS)* database, Transportation Research Board's *2000 Highway Capacity Manual*

\* Earth

**Table 1. Systems, Traffic and Geometric Data (continued)**  
**Owsley County**  
**KY 1503, M.P. 0.000 to M.P. 3.931**  
 Jackson and Owsley Counties, Item No. 10-279.50  
 Reconstruction of KY 30 from US 421 at Tyner to KY 11 at Booneville

**Major Highway Systems**

Functional Classification	Rural Minor Collector
State System	Rural Secondary
National Truck Network	No
NHS	No
Truck Weight Class	A

**Highway Attributes**

Type Road	Undivided
Type of Terrain	Flat
Number of Bridges	1
Pavement Type	Mixed Bituminous
Average Right-of-Way	50 ft.

**Other Highway Systems**

Appalachian Development Hwy.	No
Bike Route System	No
Coal Haul Route	42,737 tons annually
Defense Highway Network	No
Extended Weight System	No
Forest Highway System	No
Scenic Byway System	No

**Traffic and Geometric Data**

Begin MP	End MP	Length (Miles)	2001 ADT	Annual Growth Rate	2025 ADT No Imp	% Trucks	Number of Lanes	Lane Width (Feet)	Shoulder Width (Feet)	% Passing Sight Distance	Speed Limit (MPH)	2001 LOS	2025 LOS No Imp
0.000	2.099	2.099	290	1.8%	450	9.4	2	8	2*	N / A	55	A	A
2.099	3.931	1.832	445	1.8%	680	9.4	2	8	2*	N / A	55	A	A

Sources: KYTC's *Highway Information System (HIS)* database, Transportation Research Board's *2000 Highway Capacity Manual*

\* Earth

**Table 1. Systems, Traffic and Geometric Data (continued)**  
**Owsley County**  
**KY 1938, M.P. 0.000 to M.P. 2.481**  
 Jackson and Owsley Counties, Item No. 10-279.50  
 Reconstruction of KY 30 from US 421 at Tyner to KY 11 at Booneville

**Major Highway Systems**

Functional Classification	Rural Minor Collector
State System	Rural Secondary
National Truck Network	No
NHS	No
Truck Weight Class	A

**Highway Attributes**

Type Road	Undivided
Type of Terrain	Rolling
Number of Bridges	0
Pavement Type	Mixed Bituminous
Average Right-of-Way	35 ft.

**Other Highway Systems**

Appalachian Development Hwy.	No
Bike Route System	No
Coal Haul Route	No
Defense Highway Network	No
Extended Weight System	No
Forest Highway System	No
Scenic Byway System	No

**Traffic and Geometric Data**

Begin MP	End MP	Length (Miles)	2001 ADT	Annual Growth Rate	2025 ADT No Imp	% Trucks	Number of Lanes	Lane Width (Feet)	Shoulder Width (Feet)	% Passing Sight Distance	Speed Limit (MPH)	2001 LOS	2025 LOS No Imp
0.000	1.273	1.273	299	1.8%	460	9.4	2	8	2*	N / A	55	A	A
1.273	2.481	1.208	672	1.8%	1,030	9.4	2	8	2*	N / A	55	A	A

Sources: KYTC's *Highway Information System (HIS)* database, Transportation Research Board's *2000 Highway Capacity Manual*

\* Earth

**Table 1. Systems, Traffic and Geometric Data (continued)**  
**Owsley County**  
**KY 2025, M.P. 0.000 to M.P. 5.933**  
 Jackson and Owsley Counties, Item No. 10-279.50  
 Reconstruction of KY 30 from US 421 at Tyner to KY 11 at Booneville

**Major Highway Systems**

Functional Classification	
MP 0.000 to MP 4.133	Rural Local
MP 4.133 to MP 5.933	Rural Minor Collector
State System	Rural Secondary
National Truck Network	No
NHS	No
Truck Weight Class	A

**Other Highway Systems**

Appalachian Development Hwy.	No
Bike Route System	No
Coal Haul Route	No
Defense Highway Network	No
Extended Weight System	No
Forest Highway System	No
Scenic Byway System	No

**Highway Attributes**

Type Road	Undivided
Type of Terrain	Mountainous
Number of Bridges	1
Pavement Type	Mixed Bituminous
Average Right-of-Way	40 ft.

**Traffic and Geometric Data**

Begin MP	End MP	Length (Miles)	2001 ADT	Annual Growth Rate	2025 ADT No Imp	% Trucks	Number of Lanes	Lane Width (Feet)	Shoulder Width (Feet)	% Passing Sight Distance	Speed Limit (MPH)	2001 LOS	2025 LOS No Imp
0.000	1.300	1.300	56	1.8%	90	9.4	2	7	2*	N / A	55	A	A
1.300	4.115	2.815	56	1.8%	90	9.4	2	8	2*	N / A	55	A	A
4.115	4.133	0.018	159	1.8%	240	9.4	2	8	2*	N / A	55	A	A
4.133	5.933	1.800	159	1.8%	240	9.4	2	8	2*	N / A	55	A	A

Sources: KYTC's *Highway Information System (HIS)* database, Transportation Research Board's *2000 Highway Capacity Manual*

\* Earth



**Table 2. Bridge Data**  
 Jackson and Owsley Counties, Item No. 10-279.50  
 Reconstruction of KY 30 from US 421 at Tyner to KY 11 at Booneville

**Jackson County**

Route	Bridge MP	Bridge No.	Bridge Length	Bridge Width	Horizontal Clearance	Sufficiency Rating	Structural <sup>1</sup> Function	Feature Intersected
KY 30	16.747	B00033	36	21.3	19.8	74.0	F	Blackwater Creek
KY 30	18.802	B00034	45	21.2	19.7	54.4	F	Sturgeon Creek
KY 1071	6.705	B00020	101	22.2	20.0	78.8		Sturgeon Creek
KY 1709	3.921	B00038	68	28.0	26.5	95.2		Sturgeon Creek

**Owsley County**

Route	Bridge MP	Bridge No.	Bridge Length	Bridge Width	Horizontal Clearance	Sufficiency Rating	Structural <sup>1</sup> Function	Feature Intersected
KY 30	3.415	B00014	32	24.0	22.4	29.3	S	Little Sturgeon Creek
KY 30	4.880	B00030	64	20.5	19.5	75.3	F	Little Sturgeon Creek
KY 30	5.154	B00013	65	23.8	22.2	45.5		Little Sturgeon Creek
KY 30	8.773	B00034	22	21.0	19.5	75.4	F	Buck Creek
KY 30	9.374	B00033	32	21.0	19.5	75.4	F	Buck Creek
KY 847	6.344	B00017	30	culvert	26.0	83.1		Buck Creek
KY 1503	3.867	B00021	32	20.0	18.8	14.7	S	Little Sturgeon Creek
KY 2025	0.064	B00038	34	18.1	16.1	85.5	F	Rowlette Branch

<sup>1</sup> S - indicates Structurally Deficient, F - indicates Functionally Obsolete

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

**Table 3. Vehicle Crash Data Analysis**  
 Jackson and Owsley Counties, Item No. 10-279.50  
 Reconstruction of KY 30 from US 421 at Tyner to KY 11 at Booneville

**Jackson County (Segment Analysis 1997-2000)**

Route	Begin MP	End MP	Length (Miles)	ADT	Number of Lanes	Divided/Undivided	Rural/Urban	Avg. Acc Rate	Critical Acc Rate	Accidents				HMVM	Rates per HMVM or MV				Critical Rate Factor
										Fatal	Injury	PDO	Total		Fatal	Injury	PDO	Total	
US 421	4.592	5.659	1.067	2720	2	Undivided	Rural	252	462.457	1	1	6	8	0.04	23.60	23.60	141.60	188.80	0.41
US 421	5.659	7.464	1.805	3390	2	Undivided	Rural	252	394.411	0	4	1	5	0.09	0.00	44.77	11.19	55.97	0.14
US 421	7.464	8.215	0.751	3130	2	Undivided	Rural	252	487.307	0	2	2	4	0.03	0.00	58.28	58.28	116.55	0.24
KY 30	11.416	12.523	1.107	2,850	2	Undivided	Rural	252	453.389	0	3	4	7	0.05	0.00	65.13	86.84	151.97	0.34
KY 30	12.523	13.596	1.073	1230	2	Undivided	Rural	252	572.538	0	0	1	1	0.02	0.00	0.00	51.90	51.90	0.09
KY 30	13.596	14.765	1.169	924	2	Undivided	Rural	252	609.337	0	0	1	1	0.02	0.00	0.00	63.41	63.41	0.10
KY 30	14.765	19.622	4.857	457	2	Undivided	Rural	252	494.587	0	2	3	5	0.03	0.00	61.72	92.57	154.29	0.31
KY 30	19.622	20.919	1.297	459	2	Undivided	Rural	252	748.151	0	1	1	2	0.01	0.00	115.05	115.05	230.10	0.31
KY 1071	0.000	2.597	2.597	834	2	Undivided	Rural	252	497.771	0	0	5	5	0.03	0.00	0.00	158.12	158.12	0.32
KY 1071	2.597	4.761	2.164	378	2	Undivided	Rural	252	668.059	0	0	2	2	0.01	0.00	0.00	167.47	167.47	0.25
KY 1071	4.761	6.712	1.951	243	2	Undivided	Rural	252	815.752	0	0	0	0	0.01	0.00	0.00	0.00	0.00	0.00
KY 1431	0.000	2.112	2.112	936	2	Undivided	Rural	252	510.029	0	2	1	3	0.03	0.00	69.30	34.65	103.94	0.20
KY 1431	2.112	2.951	0.839	414	2	Undivided	Rural	252	924.829	0	0	0	0	0.01	0.00	0.00	0.00	0.00	0.00
KY 1709	0.000	2.764	2.764	195	2	Undivided	Rural	252	776.521	0	1	0	1	0.01	0.00	127.08	0.00	127.08	0.16
KY 1709	2.764	3.980	1.216	795	2	Undivided	Rural	252	631.632	0	0	0	0	0.01	0.00	0.00	0.00	0.00	0.00
KY 3445	0.000	1.025	1.025	686	2	Undivided	Rural	252	704.299	0	1	1	2	0.01	0.00	97.41	97.41	194.82	0.28
KY 3445	1.025	2.888	1.863	1040	2	Undivided	Rural	252	512.810	0	2	2	4	0.03	0.00	70.70	70.70	141.40	0.28

**Jackson County (Spot Analysis 1997-2000)**

NOTE: No high crash spot locations were identified in Jackson County.

Sources: KYTC's Highway Information System (HIS) database, Kentucky Transportation Center's Analysis of Traffic Accident Data in Kentucky (1995-1999) report

**Table 3. Vehicle Crash Data Analysis (continued)**  
 Jackson and Owsley Counties, Item No. 10-279.50  
 Reconstruction of KY 30 from US 421 at Tyner to KY 11 at Booneville

**Owsley County (Segment Analysis 1997-2000)**

Route	Begin MP	End MP	Length (Miles)	ADT	Number of Lanes	Divided/Undivided	Rural/Urban	Avg. Acc Rate	Critical Acc Rate	Accidents				HMVM	Rates per HMVM or MV				Critical Rate Factor
										Fatal	Injury	PDO	Total		Fatal	Injury	PDO	Total	
KY 11	13.218	14.227	1.009	4210	2	Undivided	Rural	252	424.266	0	3	4	7	0.06	0.00	48.37	64.50	112.87	0.27
KY 11	14.227	14.841	0.614	2350	2	Undivided	Rural	252	557.477	0	0	1	1	0.02	0.00	0.00	47.47	47.47	0.09
KY 11	14.841	17.307	2.466	2350	2	Undivided	Rural	252	398.495	1	5	5	11	0.08	11.82	59.10	59.10	130.01	0.33
KY 30	0.000	0.646	0.646	575	2	Undivided	Rural	252	899.487	0	0	1	1	0.01	0.00	0.00	184.39	184.39	0.20
KY 30	0.646	3.440	2.794	883	2	Undivided	Rural	252	481.346	0	0	4	4	0.04	0.00	0.00	111.05	111.05	0.23
KY 30	3.440	5.211	1.771	935	2	Undivided	Rural	252	535.681	0	2	2	4	0.02	0.00	82.73	82.73	165.45	0.31
KY 30	5.211	6.834	1.623	1080	2	Undivided	Rural	252	527.160	0	2	1	3	0.03	0.00	78.15	39.08	117.23	0.22
KY 30	6.834	8.700	1.866	976	2	Undivided	Rural	252	521.582	0	0	1	1	0.03	0.00	0.00	37.61	37.61	0.07
KY 30	8.700	11.206	2.506	1340	2	Undivided	Rural	252	446.881	0	4	3	7	0.05	0.00	81.59	61.19	142.78	0.32
KY 399	0.000	1.908	1.908	523	2	Undivided	Rural	252	625.108	0	0	1	1	0.01	0.00	0.00	68.64	68.64	0.11
KY 846	0.000	0.846	0.846	595	2	Undivided	Rural	252	797.043	0	0	1	1	0.01	0.00	0.00	136.07	136.07	0.17
KY 846	0.846	4.000	3.154	389	2	Undivided	Rural	252	585.450	0	1	0	1	0.02	0.00	55.83	0.00	55.83	0.10
KY 847	0.000	0.757	0.757	143	2	Undivided	Rural	252	1596.980	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
KY 847	0.757	5.186	4.429	251	2	Undivided	Rural	252	603.788	0	1	1	2	0.02	0.00	61.61	61.61	123.22	0.20
KY 847	5.186	7.177	1.991	274	2	Undivided	Rural	252	772.980	0	0	1	1	0.01	0.00	0.00	125.55	125.55	0.16
KY 1071	0.000	0.892	0.892	253	2	Undivided	Rural	252	1116.156	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
KY 1071	0.892	3.907	3.015	68	2	Undivided	Rural	252	1166.472	0	0	1	1	0.00	0.00	0.00	334.08	334.08	0.29
KY 1503	0.000	2.099	2.099	290	2	Undivided	Rural	252	742.036	0	0	0	0	0.01	0.00	0.00	0.00	0.00	0.00
KY 1503	2.099	3.931	1.832	445	2	Undivided	Rural	252	668.832	1	0	0	1	0.01	84.02	0.00	0.00	84.02	0.13
KY 1938	0.000	1.273	1.273	299	2	Undivided	Rural	252	890.529	0	1	0	1	0.01	0.00	179.95	0.00	179.95	0.20
KY 1938	1.273	2.481	1.208	672	2	Undivided	Rural	252	669.810	0	1	0	1	0.01	0.00	84.37	0.00	84.37	0.13
KY 2025	0.000	4.115	4.115	56	2	Undivided	Rural	252	1105.617	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
KY 2025	4.115	5.933	1.818	159	2	Undivided	Rural	252	999.944	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00

**Owsley County (Spot Analysis 1997-2000)**

Route	Begin MP	End MP	Length (Miles)	ADT	Number of Lanes	Divided/Undivided	Rural/Urban	Av Acc Rate	Critical Acc Rate	Accidents				MVM	Rates per HMVM or MV				Critical Rate Factor
										Fatal	Injury	PDO	Total		Fatal	Injury	PDO	Total	
KY 11	13.500	13.600	0.1	4210	2	Undivided	Rural	0.76	1.747	0	2	3	5	6.15	0.00	0.33	0.49	0.81	0.47

Sources: KYTC's Highway Information System (HIS) database, Kentucky Transportation Center's Analysis of Traffic Accident Data in Kentucky (1995-1999) report

**Table 4. Six Year Highway Plan Improvements**  
 Jackson and Owsley Counties, Item No. 10-279.50  
 Reconstruction of KY 30 from US 421 at Tyner to KY 11 at Booneville

Route	County	Item No.	Begin MP	End MP	Length (Miles)	Scope of Work	Project Description	Phase	Fiscal Year	Amount
US 421	Jackson	11-113.00	14.808	29.44	14.632	Scoping Study	Perform Scoping Study to determine priority sections from KY 89 to the Rockcastle County line	Design	2003	\$200,000
								Total:		\$200,000
KY 30	Jackson/ Laurel	11-278.24	N/A	N/A	6.800	Relocation	I-75 to Mountain Parkway; Relocate KY 30 from 0.1 mi. east of the Rockcastle River east to 0.3 mi. west of Welchburg Road	Right of Way	2003	\$2,126,000
								Utility Relocation	2005	\$550,000
								Total:		\$2,676,000
KY 30	Jackson	11-278.27	N/A	N/A	2.900	Relocation	I-75 to Mountain Parkway; Relocate KY 30 from 0.3 mi. west of Welchburg Road east to US 421 near Tyner	Right of Way	2003	\$575,000
								Utility Relocation	2004	\$880,000
								Construction	2006	\$15,600,000
								Total:		\$17,055,000
KY 578	Jackson	11-1055.00	5.471	5.571	0.100	Bridge Replacement	Replace bridge and approaches at Pond Creek 0.1 mi. south of KY 30 (B18)	Right of Way	2004	\$65,000
								Utility Relocation	2004	\$45,000
								Construction	2005	\$360,000
								Total:		\$470,000
CR 1304	Jackson	11-1057.00	N/A	N/A	0.100	Bridge Replacement	Replace bridge and approaches at Pond Creek 0.2 mi. south of KY 30 at Annville (C14)	Right of Way	2003	\$25,000
								Utility Relocation	2003	\$6,000
								Construction	2004	\$330,000
								Total:		\$361,000
US 421	Jackson	11-1059.00	8.821	8.921	0.100	Bridge Replacement	Replace Bridge Over McCammon Creek (B04) 1.4 mi. northwest of JCT KY 1071	Design	2003	\$85,000
								Right of Way	2005	\$30,000
								Utility Relocation	2005	\$10,000
								Construction	2006	\$300,000
								Total:		\$425,000

Source: Kentucky Transportation Cabinet's FY 2003 (2003-2008) Six Year Highway Plan

**Table 4. Six Year Highway Plan Improvements (continued)**  
 Owsley and Jackson Counties, Item No. 10-279.50  
 Reconstruction of KY 30 from US 421 at Tyner to KY 11 at Booneville

Route	County	Item No.	Begin MP	End MP	Length (Miles)	Scope of Work	Project Description	Phase	Fiscal Year	Amount
KY 11	Lee/Owsley	10-292.00	0.000 (Lee), 14.227 (Owsley)	4.148 (Lee), 17.307 (Owsley)	7.200	Reconstruction	Reconstruct KY 11 from KY 30 at Levi to Beattyville	Design	2002	\$1,100,000
								Right of Way	2005	\$3,000,000
								Utility Relocation	2006	\$3,000,000
								Total:		\$7,100,000
KY 28	Owsley	10-131.00	0.000	0.200	0.200	Safety	Construct a left turn lane on KY 28 by the Owsley Co. High School and Elementary School	Construction	2003	\$300,000
								Total:		\$300,000
KY 30	Owsley	10-1067.00	3.365	3.465	0.100	Bridge Replacement	Replace bridge and approaches at Little Sturgeon Creek 0.1 mi. west of KY 846 (B14)	Right of Way	2003	\$25,000
								Utility Relocation	2003	\$25,000
								Construction	2004	\$190,000
								Total:		\$240,000
KY 847	Owsley	10-5003.00	0.800	1.100	0.300	Landslide Repair	Embankment failure at MP 0.8 to 1.1	Construction	2003	\$350,000
								Total:		\$350,000
KY 28	Owsley	10-5004.00	2.600	3.130	0.530	Rockfall Mitigation	Correct Rockfall Hazard at MP 2.6 to 3.13 and embankment failure at MP 2.7 to 2.75	Design	2006	\$180,000
								Total:		\$180,000

Source: Kentucky Transportation Cabinet's FY 2003 (2003-2008) Six Year Highway Plan

**Table 5. Kentucky Statewide Traffic Model Results**  
 Jackson and Owsley Counties, Item No. 10-279.50  
 Reconstruction of KY 30 from US 421 at Tyner to KY 11 at Booneville

Improvement Scenario*	Estimated 2001 Average Daily Traffic (ADT)			Estimated 2025 Average Daily Traffic (ADT)		
	East Bernstadt to Tyner (KY 30)	Tyner to Booneville (KY 30)	Booneville to Slade (KY 11)	East Bernstadt to Tyner (KY 30)	Tyner to Booneville (KY 30)	Booneville to Slade (KY 11)
<b>Scenario 1</b>	<b>3,710</b>	<b>1,330</b>	<b>4,200</b>	<b>5,120</b>	<b>1,680</b>	<b>5,000</b>
<b>Scenario 2</b>	<b>4,910</b>	<b>1,400</b>	<b>4,210</b>	<b>6,760</b>	<b>1,770</b>	<b>5,020</b>
Percent increase in ADT between Scenarios 1 and 2 (%)	32.3%	5.3%	0.2%	32.0%	5.4%	0.4%
<b>Scenario 3</b>	<b>5,270</b>	<b>2,060</b>	<b>4,600</b>	<b>7,220</b>	<b>2,580</b>	<b>5,520</b>
Percent increase in ADT between Scenarios 1 and 3 (%)	42.0%	54.9%	9.5%	41.0%	53.6%	10.4%
<b>Scenario 4</b>	<b>6,150</b>	<b>2,960</b>	<b>5,700</b>	<b>8,470</b>	<b>3,850</b>	<b>7,080</b>
Percent increase in ADT between Scenarios 1 and 4 (%)	65.8%	122.6%	35.7%	65.4%	129.2%	41.6%

Source: *Kentucky Statewide Traffic Model (KYSTM)*

- \* Scenario 1: No transportation improvements within or around the project area.
- Scenario 2: Reconstruction of KY 30 between East Bernstadt and Tyner.
- Scenario 3: Construction of a new KY 30 alignment between Tyner and Booneville and reconstruction of KY 30 between East Bernstadt and Tyner.
- Scenario 4: Construction of a new roadway providing a direct connection between Booneville and I-64, construction of a new KY 30 alignment between Tyner and Booneville and reconstruction of KY 30 between East Bernstadt and Tyner.

**Table 6. Environmental Justice Information**

Jackson and Owsley Counties, Item No. 10-279.50  
 Reconstruction of KY 30 from US 421 at Tyner to KY 11 at Booneville

**Minority Populations 2000**

Analysis Area	Minority Populations		Total Population
	Number	Percentage	
<b>Kentucky</b>	402,601	10.0%	4,041,769
<b>Jackson County</b>	146	1.1%	13,495
Census Tract 9603	84	1.6%	5,260
<i>Block Group 1</i>	40	3.1%	1,287
<i>Block Group 2</i>	12	0.6%	1,943
<i>Block Group 3</i>	9	1.0%	939
<i>Block Group 4</i>	23	2.1%	1,091
<b>Owsley County</b>	43	0.9%	4,858
Census Tract 9901	38	1.2%	3,084
<i>Block Group 1</i>	11	1.2%	895
<i>Block Group 2</i>	10	0.8%	1,253
<i>Block Group 3</i>	17	1.8%	936
Census Tract 9902	5	0.3%	1,774
<i>Block Group 1</i>	5	1.0%	524
<i>Block Group 2</i>	0	0.0%	480
<i>Block Group 3</i>	0	0.0%	770

**Low-Income Populations 1999**

Analysis Area	Low-Income Populations		Total Population
	Number	Percentage	
<b>Kentucky</b>	621,096	15.8%	3,927,047
<b>Jackson County</b>	4,033	30.2%	13,376
Census Tract 9603	1,543	29.8%	5,176
<i>Block Group 1</i>	487	37.8%	1,287
<i>Block Group 2</i>	564	30.0%	1,880
<i>Block Group 3</i>	254	27.3%	929
<i>Block Group 4</i>	238	22.0%	1,080
<b>Owsley County</b>	2,161	45.4%	4,762
Census Tract 9901	1,382	46.3%	2,988
<i>Block Group 1</i>	395	44.1%	895
<i>Block Group 2</i>	518	44.8%	1,157
<i>Block Group 3</i>	469	50.1%	936
Census Tract 9902	779	43.9%	1,774
<i>Block Group 1</i>	149	28.4%	524
<i>Block Group 2</i>	258	53.8%	480
<i>Block Group 3</i>	372	48.3%	770

Source: <http://factfinder.census.gov>

**Table 7. Survey Questionnaire Results (2001 Public Meetings)**

Jackson and Owsley Counties, Item No. 10-279.50  
 Reconstruction of KY 30 from US 421 at Tyner to KY 11 at Booneville

Question	Response	
	Number	Percentage
1. How did you hear about this project?		
Friend/Family	72	37.7%
Newspaper	58	30.4%
Elected Official	20	10.5%
Meeting	20	10.5%
Flier	10	5.2%
Radio	4	2.1%
Newsletter	1	0.5%
Other	6	3.1%
Total	191	100.0%
2. Do you feel this project would be beneficial to the region?		
Beneficial to the region	118	82.5%
Not beneficial to the region	18	12.6%
Little/no impact	7	4.9%
No opinion	0	0.0%
Total	143	100.0%
3. If this new highway existed today, would you use it?		
Once per week	60	46.2%
Daily	43	33.1%
More than twice per week	25	19.2%
Never	2	1.5%
Total	130	100.0%
4. If you traveled this new highway, what would the primary purpose be?		
Leisure/Recreation	73	43.5%
Commuting to work	40	23.8%
Access to healthcare facilities	33	19.6%
Other	22	13.1%
Total	168	100.0%
5. If this highway were built, what do you think the most important benefit would be?		
Provide better opportunities for new jobs	30	30.3%
Provide improved access to jobs in and out of the area	23	23.2%
Improve access, efficiency and safety for emergency services	16	16.2%
Provide safer travel between Tyner and Booneville	14	14.1%
Improved access to the Mountain Parkway	7	7.1%
Improve travel time between Booneville and Tyner	6	6.1%
Improve truck access from London to Booneville	3	3.0%
Total	99	100.0%
6. For the proposed KY 11 intersection near Booneville, do you feel the corridor should end:		
Near the existing KY 30 intersection	65	52.4%
West of the existing intersection (toward Beattyville)	38	30.6%
East of the existing intersection (toward Booneville)	19	15.3%
Other location	2	1.6%
Total	124	100.0%
7. Do you feel that the proposed corridor should be located:		
A combination of north and south of KY 30	57	42.9%
Along existing KY 30	50	37.6%
South of KY 30	18	13.5%
North of KY 30	8	6.0%
Total	133	100.0%
8. Are you aware of any environmental concerns or sensitive areas in the project area that should be avoided?		
No	82	82.0%
Yes*	18	18.0%
Total	100	100.0%

\* Yes responses included:

- Cemeteries
- Church at Rock Springs
- Farms, farmland and barns
- Businesses, houses and people
- Wildlife and wetlands
- American Chestnut, Elm and Walnut trees
- Water recycling systems, wells and water mains



**Table 8. Survey Questionnaire Results (2002 Public Meetings)**

Jackson and Owsley Counties, Item No. 10-279.50  
 Reconstruction of KY 30 from US 421 at Tyner to KY 11 at Booneville

Question	Response	
	Number	Percentage
1. A Do-Nothing alternate is one possible option for this project. Do you prefer this option?		
No	63	72.4%
Yes	24	27.6%
Total	87	100.0%
2. Which alternate do you prefer?		
D & J	47	82.5%
A & E	5	8.8%
D & H	2	3.5%
A & G	1	1.8%
B & E	1	1.8%
C & E	1	1.8%
A & F	0	0.0%
B & F	0	0.0%
B & G	0	0.0%
C & F	0	0.0%
C & G	0	0.0%
D & I	0	0.0%
Total	57	100.0%
3. Do you prefer crossings with the existing KY 30?		
Yes	30	55.6%
No	24	44.4%
Total	54	100.0%

Survey comments included:

This new road is needed for safety and development.  
 Better roads will create more jobs for Owsley County.  
 Improved access to I-75 will help.  
 Please make a good, straight road. KY 30 is like a snake.  
 Use the route that is the shortest and the cheapest.  
 Get the job done as soon as possible.

The current road is all that is needed. A new road would ruin the county.  
 The project is a waste of taxes and a dumb idea.  
 The environmental impact cannot be mitigated by the benefits  
 The improvement offers little benefit to local people.  
 Fix the roads that are already there.  
 No one travels to Booneville. Improve the roads going north.  
 Crossings with KY 30 sounds dangerous.

**Table 9. Major System Accessibility**  
 Jackson and Owsley Counties, Item No. 10-279.50  
 Reconstruction of KY 30 from US 421 at Tyner to KY 11 at Booneville

Major System or Facility	Distance from (miles)		Routes Followed	Access Point
	Tyner	Booneville		
I-75	23	46	KY 30	Exit 41, London
	36	58	KY 30, US 421	Exit 76, Berea
I-64	73	61	KY 30, KY 11, MP	Exit 98, Winchester
	75	63	KY 30, KY 11, MP	Exit 110, Mt. Sterling
Bert T. Combs Mountain Parkway (MP)	40	28	KY 30, KY 11	Exit 33, Slade
Daniel Boone Parkway (DBP)	21	37	KY 30, US 421	Exit 20, Manchester

Source: Travel distances are estimated from typical route choices between the project area and major highway systems in the region.

**Table 10. Revised Corridors Comparative Matrix**  
 Jackson and Owsley Counties, Item No. 10-279.50  
 Reconstruction of KY 30 from US 421 at Tyner to KY 11 at Booneville

Corridor Issues (2000' Width) <sup>1</sup>	Section 1				Section 2					
	Corridor A	Corridor B	Corridor C	Corridor D	Corridor E	Corridor F	Corridor G	Corridor H	Corridor I	Corridor J
<b>Traffic Considerations</b>										
Approximate Travel Time <sup>2</sup> (minutes)	8.4	8.0	8.2	7.3	7.9	8.7	8.5	8.5	9.4	8.4
Intersections with KY 30	1	3	1	0	2	1	1	3	2	0
Intersections with other roads	9	6	9	6	8	9	6	8	10	7
<b>Environmental Issues</b>										
Stream Crossings	10	6	7	5	9	11	6	12	14	8
Stream Miles	7.3	4.7	5.0	4.2	6.7	8.7	7.3	7.5	9.4	8.1
Wetlands Only (acres)	8.8	8.9	15.2	16.2	0	30.5	78.0	0	30.5	77.9
Floodplains Only (acres)	0	0	0	25.6	0	0	0	0	0	0
Wetlands and Floodplains (acres)	49.8	22.6	22.6	13.3	59.3	59.3	18.6	59.3	59.3	19.2
Historic Structures	3	3	3	3	0	0	0	1	1	0
Archaeology Sites <sup>3</sup>	0	0	0	0	0	0	3	1	1	7
<b>Monitored Sites</b>										
Illegal Dump Sites	0	2	2	1	1	1	1	1	1	1
Gas Pipelines (miles)	0	0	0	0	0.4	0.4	0.4	0.4	0.4	0.4
Electrical Transmission Mains (miles)	3.8	1.1	1.0	1.0	0	0	0	0	0	0
Water Lines (miles)	3.9	2.8	2.8	2.3	3.6	5.0	2.9	3.6	5.0	2.9
Water Wells	3	2	3	1	2	4	2	5	5	3
<b>Social and Economic Considerations</b>										
Total Structures <sup>4</sup>	102	91	68	59	85	77	51	94	86	54
Schools	0	0	0	0	0	0	0	0	0	0
Churches	1	1	0	0	2	1	1	2	1	1
Cemeteries <sup>5</sup>	1	2	2	1	3	5	7	2	4	8
Prime Farmland (acres)	73	71	76	76	109	140	95	122	154	150
<b>Geotechnical Issues</b>										
Strip-Mined or Deep-Mined Areas (acres)	16	0	0	16	71	43	10	71	42	1
Gas & Oil Wells	8	11	12	1	3	3	4	3	3	4
Geotechnical Recommendation <sup>6</sup>	3	2	2	1	2	3	1	2	3	1
<b>Construction and Costs</b>										
Length of Corridor, Total (miles, est.)	7.7	7.3	7.5	6.7	7.2	8.0	7.8	7.8	8.6	7.7
Length of Corridor, Jackson Co. (miles)	7.0	6.6	6.8	5.6	0.0	0.0	0.0	0.0	0.0	0.0
Length of Corridor, Owsley Co. (miles)	0.7	0.7	0.7	1.1	7.2	8.0	7.8	7.8	8.6	7.7
Estimated Cost <sup>7</sup> (\$Millions)	69.7	66.5	68.1	62.1	52.5	58.5	57.1	57.1	62.9	56.3

<sup>1</sup>Corridors A, B and C (Section 1) meet Corridors E, F and G (Section 2) at a northern intersecting point. Corridor D (Section 1) meets Corridors H, I and J (Section 2) at a southern intersecting point.

<sup>2</sup>At 55 miles per hour (posted speed limit) with no delay

<sup>3</sup>Includes only those recorded; additional analysis required during design phase

<sup>4</sup>Approximate number of houses, churches, stores, barns, etc. (taken from 1995 aerial photographs) within corridor

<sup>5</sup>Includes only those recorded or documented

<sup>6</sup>Ranking estimated from information provided in Geotechnical Overview Report in **Appendix E** (where 1=Best)

<sup>7</sup>Two-lane roadway section w/truck lanes and includes design/environmental, right-of-way, utility, construction and Tyner interchange costs (FY 2003 dollars)

**Note:**

Information gathered through database research and limited field reconnaissance. Occurrences of issues in the table represent numbers within a 2000-foot corridor. The actual roadway design will only use about 10-15 percent of this corridor width and many or all of these issues may be avoidable.

**Table 11. Estimated Costs for Priority Sections of Corridor D-H**  
 Jackson and Owsley Counties, Item No. 10-279.50  
 Reconstruction of KY 30 from US 421 at Tyner to KY 11 at Booneville

Priority Section	Description	County	Section Length (miles)	Estimated Phase Costs (million \$)				Priority Section Total (million \$)
				Design <sup>1</sup>	Right-of-Way	Utility Relocation	Construction	
1	East of Vincent near Brushy Creek Road to a new intersection with KY 11 near Levi	Owsley	2.5	0.8	1.0	0.6	16.3	18.7
2	Travellers Rest to east of Vincent near Brushy Creek Road	Owsley	2.3	0.7	0.9	0.6	15.0	17.2
3	Approximately one (1) mile northwest of Sturgeon to Travellers Rest	Owsley	1.5	0.5	0.6	0.4	9.8	11.2
4	Near Elias to approximately one (1) mile northwest of Sturgeon	Owsley	2.6	0.8	1.0	0.6	16.9	19.4
		Jackson	0.6	0.4	0.2	0.1	3.9	4.7
5	Near Herd to near Elias	Jackson	3.0	1.0	1.2	0.7	19.5	22.4
6	From a new intersection at US 421 south of Tyner to near Herd <sup>2</sup>	Jackson	2.0	2.1	1.6	1.0	21.0	25.7
	Subtotal	Owsley	8.9	2.9	3.6	2.1	57.9	66.4
	Subtotal	Jackson	5.6	3.5	3.0	1.8	44.4	52.7
	TOTAL	-	14.5	6.4	6.6	4.0	102.3	119.2

<sup>1</sup> Design costs include Environmental Assessment

<sup>2</sup> Section 6 includes interchange costs (\$8M) at Tyner