Commonwealth of Kentucky

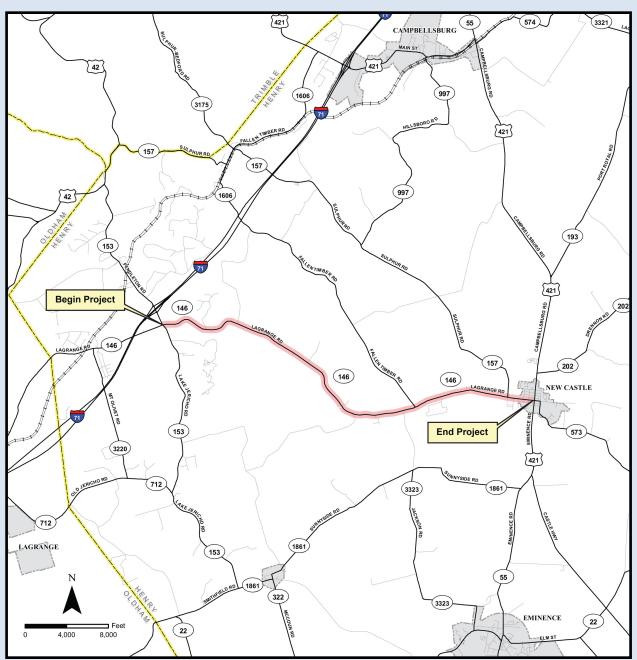


DEPARTMENT OF HIGHWAYS



KY 146 RECONSTRUCTION

Item No. 5-8300.00



PUBLIC MEETING

5:00 PM, Tuesday, April 24, 2012 New Castle Elementary School New Castle, Kentucky

KY 146 Reconstruction Henry County Item No. 5-8300



PUBLIC MEETING April 24, 2012

Public Information Meeting Handout

Meeting Purpose and Goals

The purpose of this public information meeting is to inform the public about the work that has taken place on the project so far and gather input to determine the best design for the proposed roadway improvements.

Project Status

Based on input from two advisory committee meetings and study of the project corridor, three alternates have been developed for consideration. These alternates were developed to minimize property, environmental, drainage and cost impacts while presenting valid solutions to the problems associated with the existing roadway. In order to maintain the project schedule, initial environmental studies including cultural historic and biologic resources have been started. Remaining environmental studies including Air Quality, Socioeconomic, Hazardous Materials, and Archaeology will begin after this public meeting.

Estimated Project Schedule

Advisory Committee Meeting 1	November 2010
Advisory Committee Meeting 2	September 2011
Public Meeting 1	April 2012
Submittal of Environmental Studies	Fall 2012
Public Meeting 2	Winter 2013
Submittal of Environmental Document	Spring 2013
FHWA Approval of Environmental Document	Summer 2013

Next Steps

- Incorporate public feedback into the design process.
- Initiate remaining environmental base studies.
- Develop and process the environmental document.

Meeting Materials

The materials presented at this meeting will be available online at the KYTC District 5 website. This information includes the Power Point presentation, electronic versions (PDF) of the aerial photo exhibits, miscellaneous exhibits and this meeting handout. The website can be accessed at:

http://transportation.ky.gov/District-5/Pages/default.aspx

Contact Information

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<u>GRW</u>

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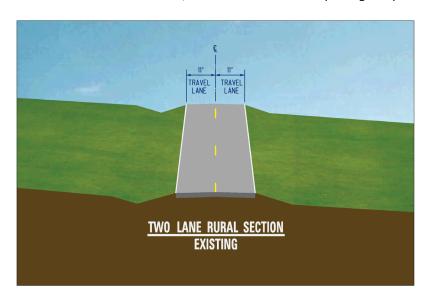
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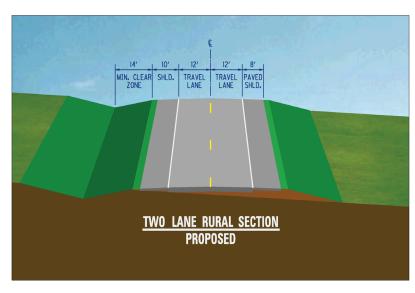


Typical Sections

The top two images below show existing typical rural roadway sections on KY 146. The lower two images below are the proposed typical roadway sections that were selected based on a clear preference among the advisory committee members. An appropriate width shoulder is very important to achieve improved safety on the route. Farm vehicles and truck traffic will now have a safe area to pull over if needed and the improved clear zone will allow safer travel for all motorists. In town, two lanes with on-street parking was preferred over a three-lane section with a center two-way turn lane.











PUBLIC MEETING April 24, 2012

PROPOSED ALTERNATES SUMMARY

<u>ALTERNATE NO. 1 (RED)</u> utilizes the existing bridges (circa 1980) and follows the existing alignment as closely as possible.

<u>ALTERNATE NO. 2 (BLUE)</u> requires one new bridge and eliminates mainline use of the other existing bridges by staying to the north of Bartlett Fork.

<u>ALTERNATE NO. 3 (PURPLE)</u> was developed to reduce property impacts on the north side of the road between milepost 4.5 and Broko Lane. The remainder of this alternate is the same as Alternate 1.

PROPOSED BUILD SEGMENTS

To facilitate funding availability, it is necessary to break the project into segments that begin and end at logical locations along the corridor. It was decided to use the safety improvement project location near the Safety Kleen facility as a logical terminus because this section has recently been improved.

SEGMENT 1: Pendleton Road (KY 153) to Lost Creek (1/2 mile east of Safety Kleen entrance)

Mile point 2.1 to Mile Point 6.8

SEGMENT 2: Lost Creek (1/2 mile east of Safety Kleen entrance) to Main Street (US 421/KY 55)

Mile Point 6.8 to Mile Point 9.8

PRELIMINARY DESIGN COST SUMMARY

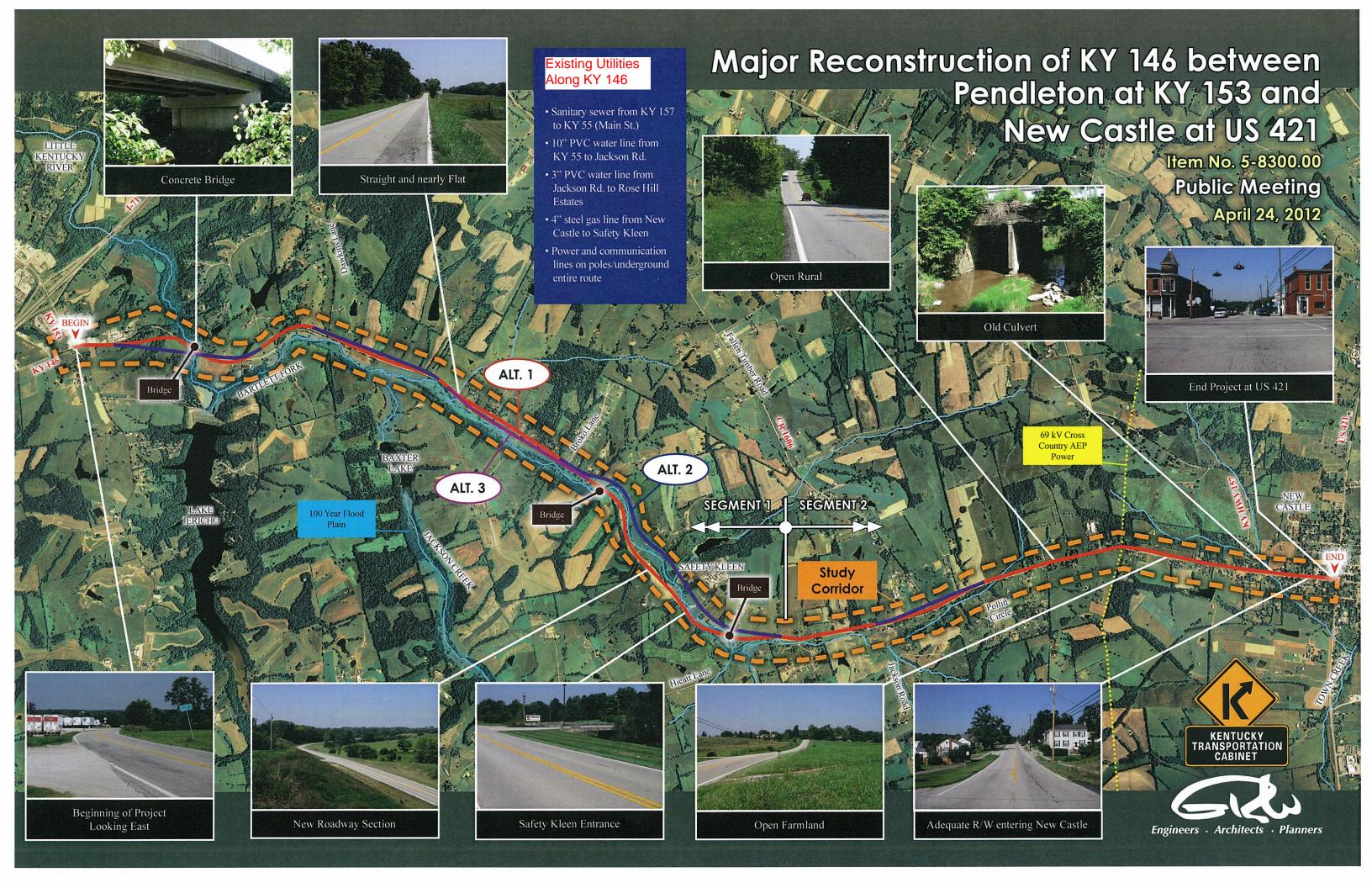
Δ	lternate	Construction	Right of Way	Utilities Relocation	TOTAL
1	Segment 1	\$10,300,000	\$1,100,000	\$1,170,000	\$12,570,000
	Segment 2	\$7,400,000	\$1,900,000	\$2,325,000	\$11,625,000
	Total	\$17,700,000	\$3,000,000	\$3,495,000	\$24,195,000
2	Segment 1	\$13,000,000	\$1,400,000	\$1,340,000	\$15,740,000
	Segment 2	\$7,600,000	\$1,900,000	\$2,515,000	\$12,015,000
	Total	\$20,600,000	\$3,300,000	\$3,855,000	\$27,755,000
3	Segment 1	\$10,000,000	\$906,000	\$1,060,000	\$11,966,000
	Segment 2	\$7,400,000	\$1,900,000	\$2,325,000	\$11,625,000
	Total	\$17,400,000	\$2,806,000	\$3,385,000	\$23,591,000

PRELIMINARY RIGHT OF WAY SUMMARY

	ALTERNATES		
	1	2	3
PARCELS AFFECTED	174	170	174
RIGHT OF WAY ACQUIRED	69.83 Acres	104.08 Acres	68.85 Acres
STRUCTURES ACQUIRED	16	16	13
Commercial*	1	1	1
Residential [†]	5	5	4
Farm	1	1	1
Storage	9	9	7
SEPTIC SYSTEMS AFFECTED	11	11	9

^{*}Bulk water sales facility operated by the Henry County Fiscal Court.

⁺ Includes one abandoned residential taking for all alternates.



KY 146 RECONSTRUCTION

Henry County, Kentucky



PUBLIC MEETING April 24, 2012



PURPOSE AND NEED

Project Purpose

improve safety while maintaining the efficiency of the route.

Project Need

The existing road has limited sight distance, primarily due to hills.

The lack of shoulders and roadside clear zone limits the opportunity for driver correction.

TRAFFIC

Average Daily Traffic in vehicles per day

2010: **4,200** vpd

2032: 6,100 vpd

Two lane highways can usually accommodate up to 20,000 vehicles per day.

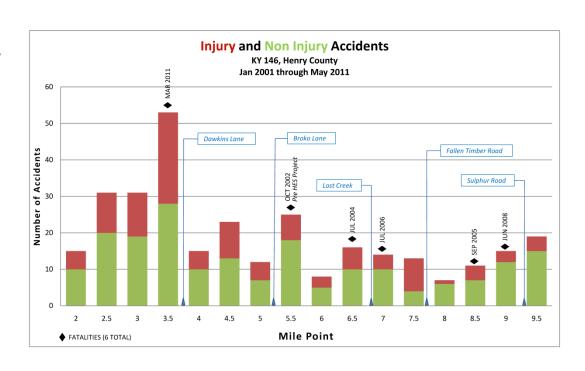
ACCIDENTS

SINCE 2001

♦ Collisions: **240**+

♦ Fatalities: 6

- Hot spots
 - Between KY 153 and Dawkins Lane
 - Fallen Timber Road intersection



Note: See chart exhibit for detailed information.

DEFICIENT GEOMETRY

- VERTICAL: 36 locations where hills limit sight distance.
- HORIZONTAL: 7 locations where curves limit sight distance.

These locations are directly related to the high frequency of accidents on this roadway project.

PROJECT CONSTRAINTS

<u>Little Kentucky/Bartlett Creek</u> <u>Floodplain</u>

Significant encroachment in the floodplain can affect flood stage and requires permitting.





Existing Bridges

Built in the 1980's and still in good shape. No need to replace them, but new alignments must match their location. Exploring the need for widening.

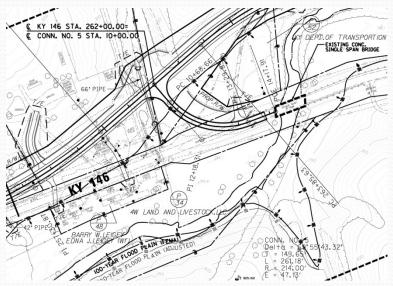
PROJECT CONSTRAINTS (continued)

Property and Development

We want to minimize impacts to homes, businesses and farmland.

Unfortunately, some properties must be affected to improve the road.





Engineering Design

Appropriate design standards are necessary for a safe and efficient road.

ENVIRONMENTAL

To be eligible for Federal funding we are investigating:

- Area Biology
- Historic and pre-historic resources
- Hazardous materials
- Impacts on humans (social, economic, air quality, noise)

These investigations are underway and their results could affect the ultimate location of the proposed roadway.

FUNDING

Funding for this project is currently scheduled in the Six-Year Plan at the following levels:

PROJECT: Major Reconstruction of KY 146 between New Castle at US-421 and Pendleton at KY 153.

Segment 1: Pendleton Road (KY 153) to Lost Creek (1/2 mile east of Safety Kleen entrance)
Mile point 2.1 to Mile Point 6.8

PHASE	FUNDING*	FISCAL YEAR	AMOUNT
RIGHT OF WAY	SB2	2012	\$ 1,400,000
UTILITIES	SB2	2012	\$ 1,400,000
CONSTRUCTION	SPP	2013	\$13,000,000

Segment 2: Lost Creek (1/2 mile east of Safety Kleen entrance) to Main Street (US 421/KY 55)

Mile Point 6.8 to Mile Point 9.8

PHASE	FUNDING*	FISCAL YEAR	AMOUNT
RIGHT OF WAY	SB2	2012	\$ 1,900,000
UTILITIES	SB2	2012	\$ 2,550,000
CONSTRUCTION	SPP	2014	\$ 8,000,000

^{*} SB2 is State Bond funding and SPP is State Priority funding.

Advisory Committee: A committee of representative stakeholders for the project was established with input from the local elected officials that includes business owners, farm owners, residents, county school system, law enforcement and elected officials.

Three (3) Advisory Committee meetings are planned for the project (two have been held), and two (2) public meetings are planned.

First Advisory Committee Meeting (November 4, 2010)

What we learned:

- Several bad curves and lack of shoulders were noted.
- Three possible flooding locations were noted.
- No new subdivision or business locations were noted.
- An old school house and a cemetery were noted.
- Bicycle facilities would probably not get used.

- No place for farm traffic to pull off.
 Worst backup spots were noted.
- Keep on-street parking to Spring St.
 Center turn lane in town not needed.
- ♦ Add sidewalks in town. Crossing to get mail is a problem.
- ♦ *KY 146* is an emergency bypass route.
- Speeding is believed to be a major problem.

Note: More detailed information is available from a KYTC representative.

Second Advisory Committee Meeting (September 8, 2011)

Two preliminary alignments were presented.

What we learned:

Alternate preference:

4 favored ALTERNATE NO. 1 (RED)

6 favored ALTERNATE NO. 2 (BLUE)

2 favored NO-BUILD

Suggested improvements to the Alternates:

ALTERNATE NO. 1 – Straighten curves

ALTERNATE NO. 2 – No need for new alignment in Safety Kleen area (recently improved). Straighten curves.

Note: More detailed information is available from a KYTC representative.

Second Advisory Committee Meeting (September 8, 2011) (continued)

Build segment priority:

5 favored Segment 1:

Pendleton Road (KY 153) to Lost Creek (1/2 mile east of Safety Kleen entrance)

Mile point 2.1 to Mile Point 6.8

0 favored Segment 2:

Lost Creek (1/2 mile east of Safety Kleen entrance) to Main Street (US 421/KY 55) Mile Point 6.8 to Mile Point 9.8

Other information:

- Fix the curve beside Dawkins Lane first. Relative had a wreck here.
- Minimize property impacts. Work will be very close to houses.
- Make provisions to access property during construction.

Note: More detailed information is available from a KYTC representative.

TONIGHT'S PUBLIC MEETING

- A third alternate (purple) was developed based on input from the previous meetings to minimize property impacts between milepost 4.5 and Broko Lane.
- Please ask any KYTC or GRW representative if you have any questions or comments.
- Your input is very important to the project and will be considered.

Thank you for coming and <u>please</u> fill out and return the Questionnaire!

PROJECT TEAM



Kentucky Transportation Cabinet

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