

# US 68 Corridor Improvements

Green County

Public Meeting

KYTC Item No. 4-397.10

March 29, 2016



# Purpose of Tonight's Meeting

- Present Preliminary Alternatives
- Identify Project Constraints
- Gather Public Input on Alternatives and Priorities
- Answer Your Questions
- Present Next Steps

# The Project Team

- **Kentucky Transportation Cabinet**
  - District 4, Elizabethtown
  - Central Office Highway Design, Frankfort
  
- **Consultant Team**
  - Palmer Engineering
  - Stantec Consulting Services



# US 68 Planning Study (2014)

- Recommended
  - Greensburg Connector
  - Corridor Spot Improvements



**FINAL REPORT**



US 68 Scoping Study  
Green and Metcalfe County  
KYTC Item No. 3-203.00

Prepared for:



Kentucky Transportation Cabinet  
District 2 - Bowling Green  
District 4 - Elizabethtown  
Division of Planning

Prepared by:



March 2015

**Environmental Overview**

Improvements to US 68 from the Louie B. Nunn Cumberland Parkway at Edmonton in Metcalfe County to KY 3535 Northeast of Greensburg in Green County

Green and Metcalfe Counties, Kentucky

Item Number: 3-203.00

prepared for:  
**Kentucky Transportation Cabinet**

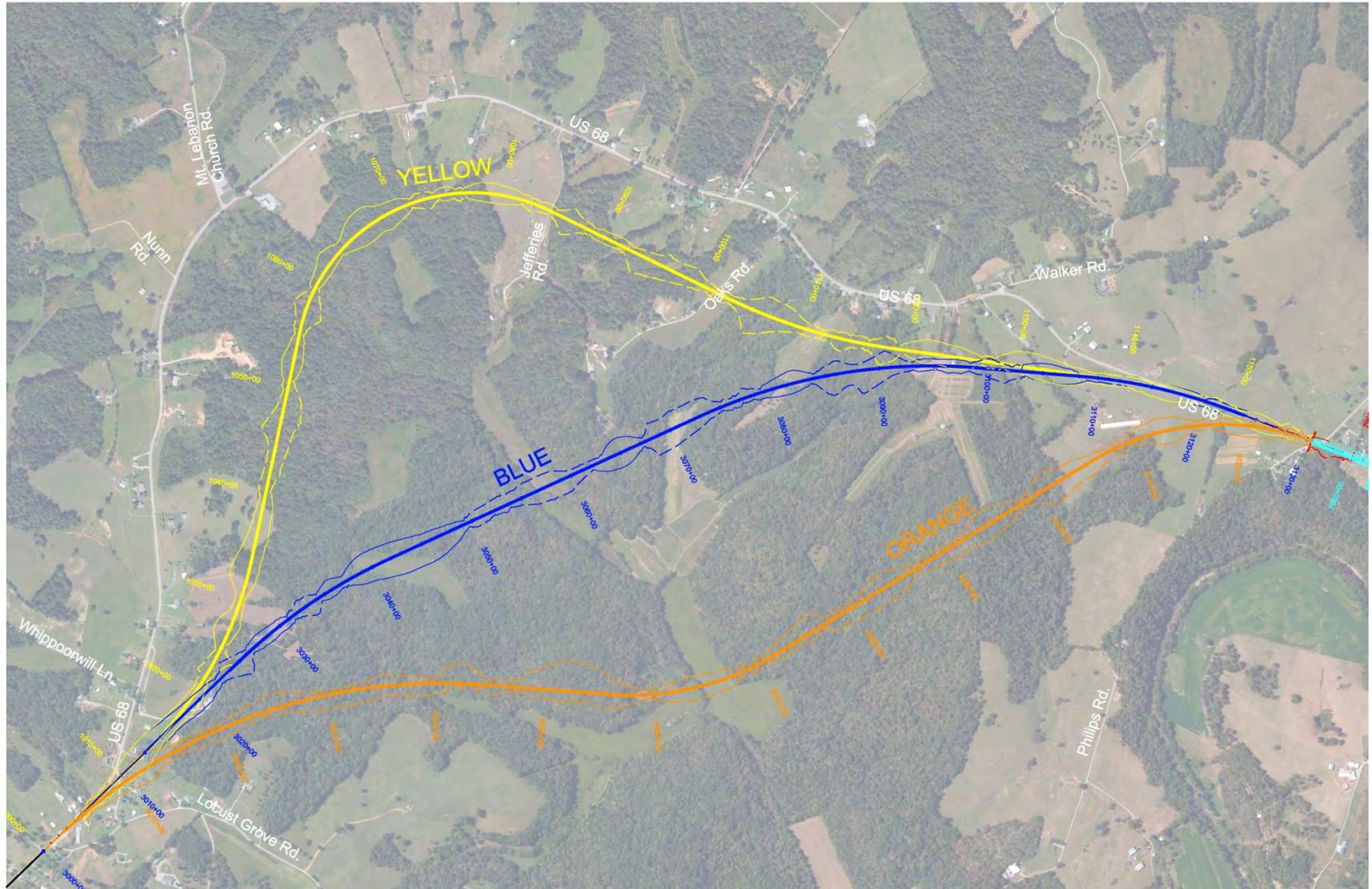


May 2014

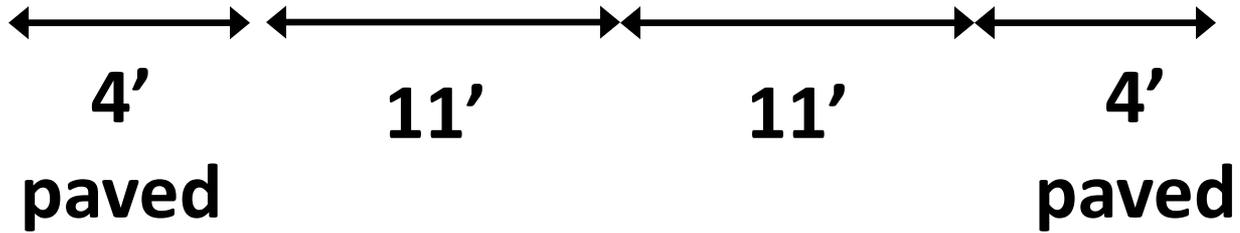
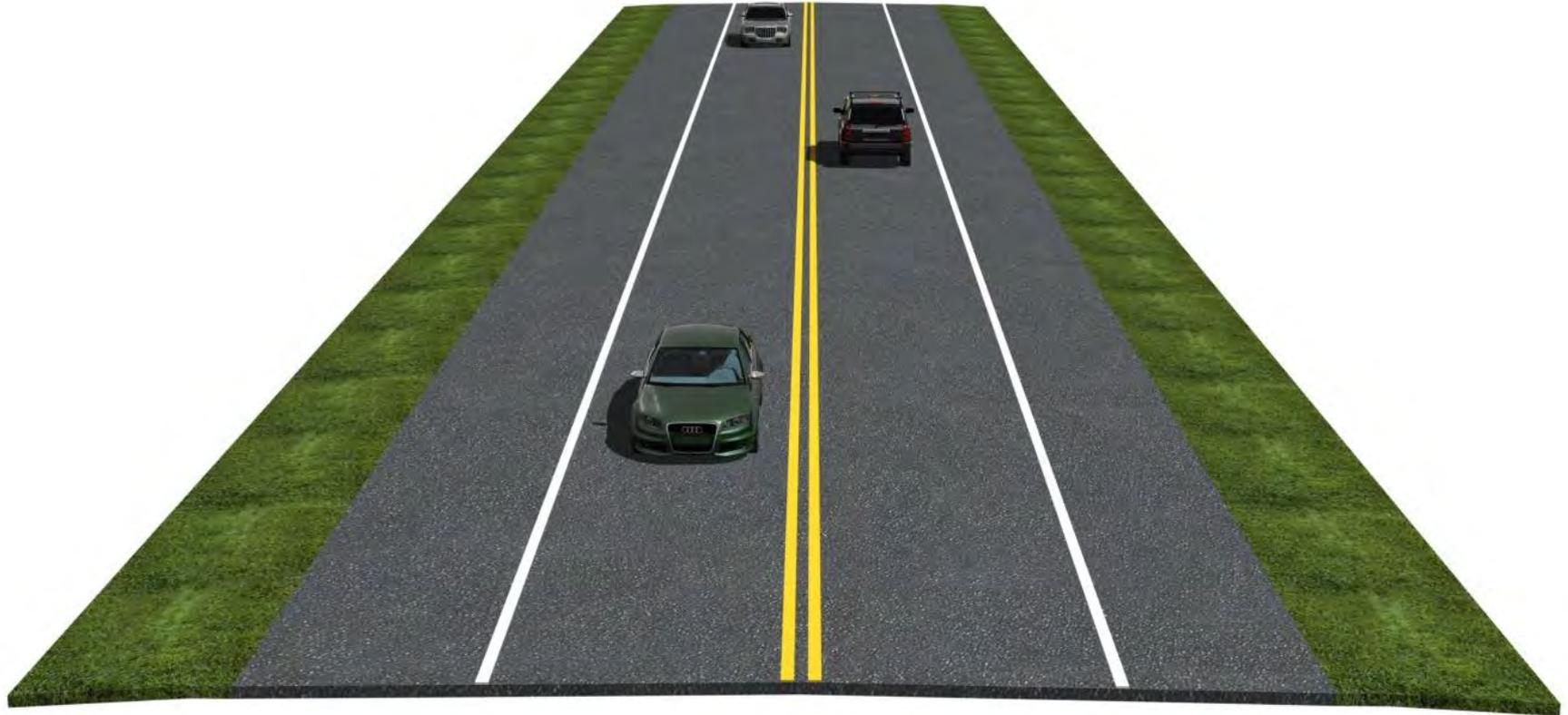
# Draft Purpose and Need Statement

The purpose of the US 68 Corridor project is to provide a safer, more efficient connection between Greensburg and the Cumberland Parkway by improving substandard geometrics along the corridor.

# Corridor Improvement T. Davis Road to S. Thurlow Road



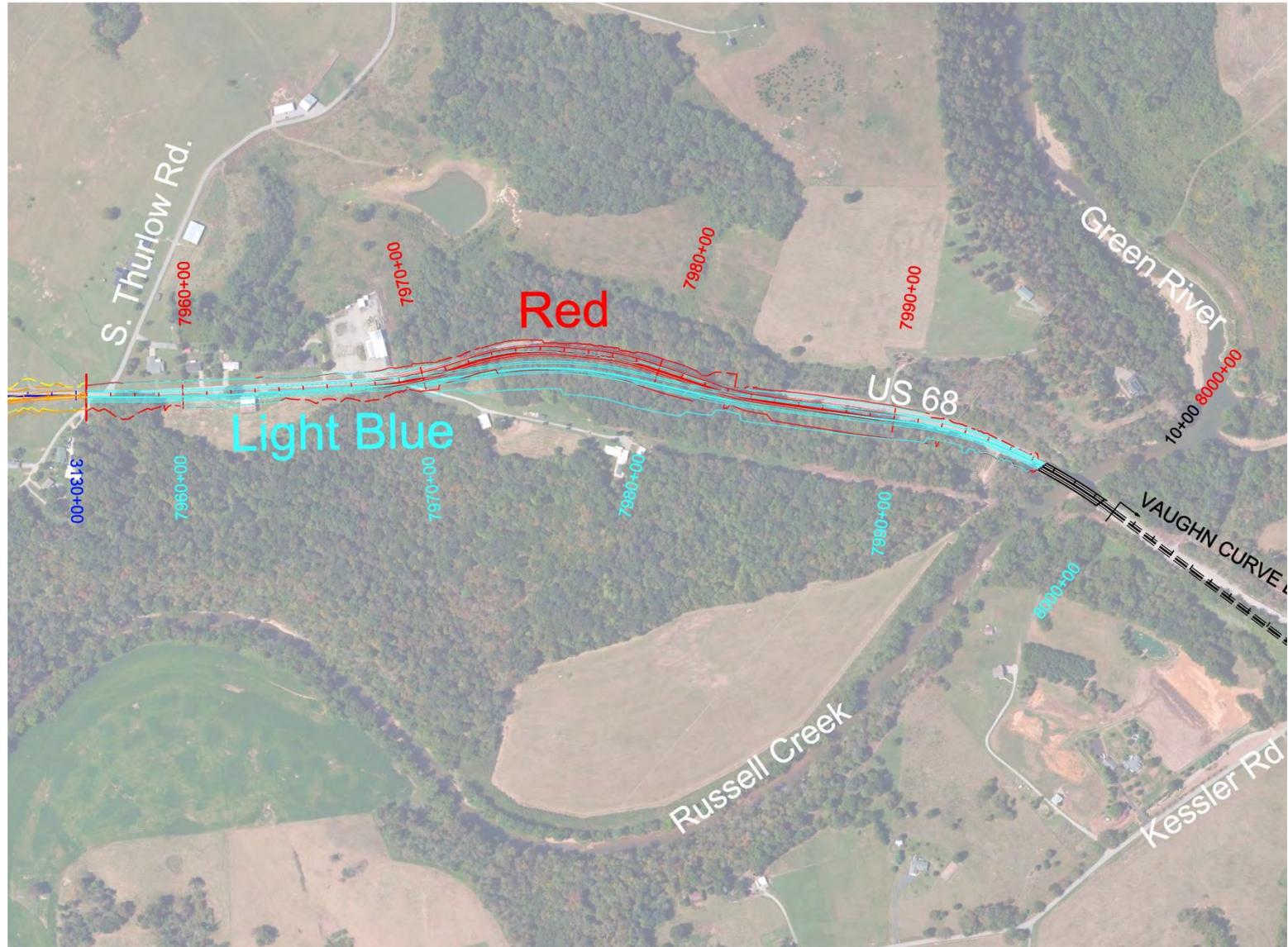
# Typical Section



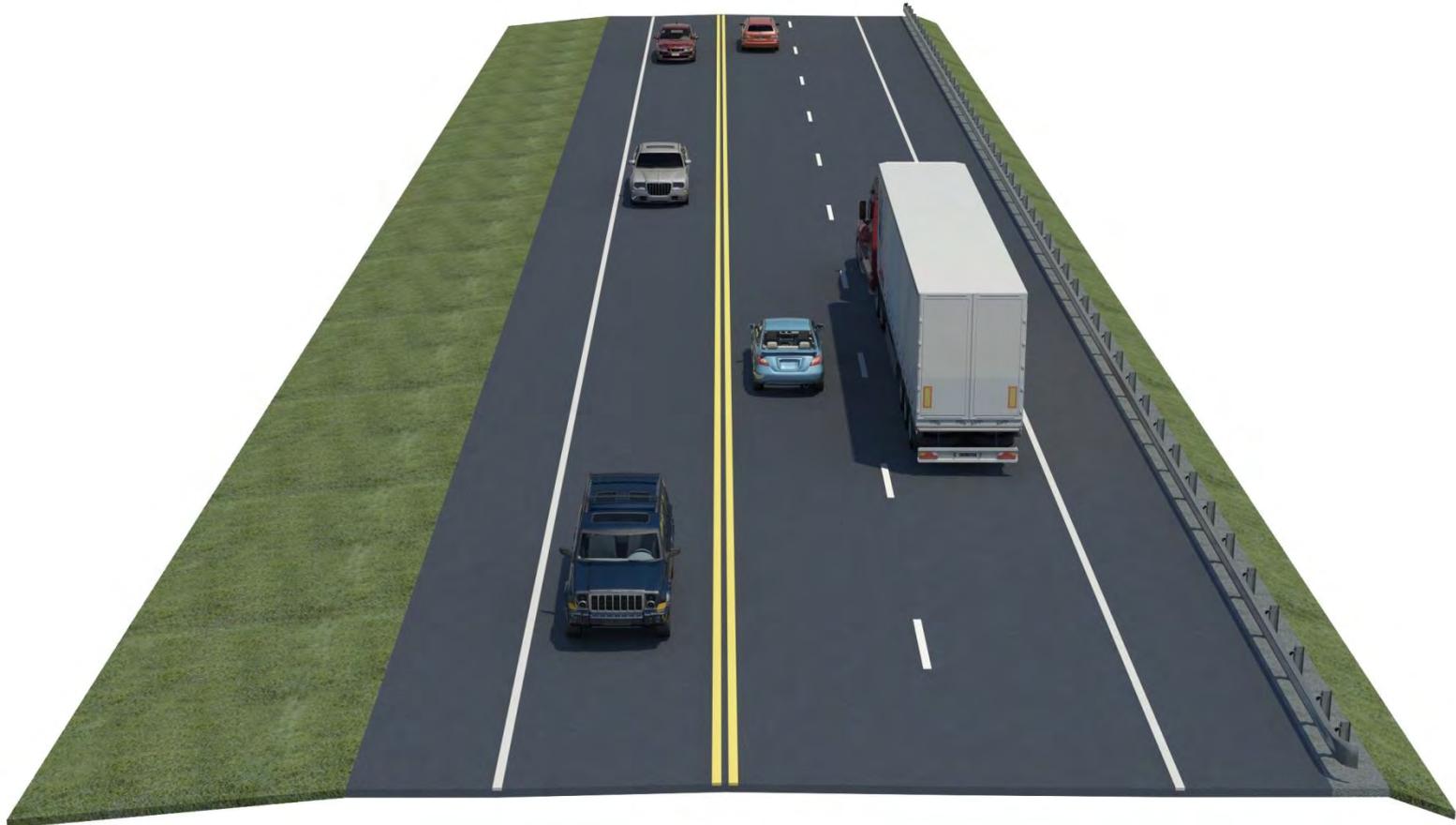
**US 68 Corridor**



# Corridor Improvement S. Thurlow Road to Russell Creek Bridge



# Typical Section



**Two lanes with truck climbing lane**

# Corridor Improvement Vaughn Curve By Others



# Environmental Documentation

- **T-Davis Road to Bridge Over Russell Creek**
  - **Draft Document: Fall 2016**
- **Vaughn Curve**
  - **Draft Document: Fall 2016**
  - **Permitting**
    - **Historic (Section 106)**
    - **Biology**
    - **Archaeology**

# Section 106 of the National Historic Preservation Act

- Eligibility
- Consulting Parties

Request To Become A "Consulting Party"  
Section 106  
National Historic Preservation Act

FOR THE RECONSTRUCTION OF US 68:  
From T. Davis Road to Clover Lick Creek  
GREEN COUNTY, KENTUCKY  
KYTC Item No. 4-397.1

Name: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
Email: \_\_\_\_\_

Yes, I would like to participate as a "consulting party" regarding the historic resources and the proposed project. Please provide reasons below:  
 No, I am not interested in becoming a "consulting party" for the proposed project.

Please describe reasons why you would be interested in becoming a "consulting party" to address impacts to historic resources along the proposed project corridor:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Please Mail your completed application to: Jorna Wallace, Division of Environmental Analysis Kentucky Transportation Cabinet, 200 Maro Street, Frankfort, KY 40622.

If you have questions regarding this process, please feel free to contact Jayne H. Goddard:  
Palmer Engineering, 400 Shoppers Drive, Winchester, KY 40392, 859-744-1218 or jgoddard@palmerinc.com.

A CULTURAL HISTORIC ELIGIBILITY REPORT  
OF THE US 68 SPOT IMPROVEMENTS  
SECTIONS 11, 12, & 13  
IN GREEN COUNTY, KENTUCKY  
KYTC Item No. 4-397.1  
KHC Project No: FY16-2323



Prepared by  
Palmer Engineering  
400 Shoppers Drive PO Box 747  
Winchester, KY 40392-0747  
(859) 744-1218  
fax (859) 744-1266

Lead Federal Agency: Kentucky Transportation Cabinet

February 2016

# Cost and Impacts Comparison

US 68 Green County

Item No. 04-397.1

Public Meeting, March 29, 2016

	From T. Davis Rd. to S. Thurlow Rd.			S. Thurlow to Bridge	
	Yellow	Blue	Orange	Red	Lt Blue
Length (ft.)	15,500	12,800	12,400	4,051	4,022
Maximum Grade %	3.20%	4.13%	5.50%	6.34%	6.34%
Earthwork					
Cut (cu yd.)	887,000	773,000	878,000	114,390	231,280
Fill (cu yd.)	890,000	768,000	872,000	7,030	6,590
Net (cu yd.)	-3,000	5,000	6,000	107,360	224,690
Disturb Limits (acres)	56.6 AC	47.9 AC	50.2 AC	10.5 AC	11.6 AC
Blueline Stream Crossings	6	4	5	0	0
Crop Land Impacts	Med	Med	Med	Low	Low
Number of Parcels	36	28	25	8	8
Residential Acquisitions	4	3	2	0	0
Garage/Barns Acquisitions	5	4	3	1	1
Maintenance of Traffic	N/A	N/A	N/A	High	Med
Utility Impacts	Low	Low	Low	Med	Med
Costs					
Right of Way	\$2,300,000	\$1,800,000	\$1,400,000	\$200,000	\$200,000
Utilities	\$1,900,000	\$1,900,000	\$1,900,000	\$600,000	\$600,000
Construction	\$11,800,000	\$10,100,000	\$10,800,000	\$2,500,000	\$3,400,000
Total	\$16,000,000	\$13,800,000	\$14,100,000	\$3,300,000	\$4,200,000

# Handout

## How the KYTC Builds Roads

### Step 1: Long Range Planning

### Step 2: Six-Year Highway Plan - Establish Funding for Project

### Step 3: Project Specific Planning

- Determine project limits
- Verify funding needs
- Identify public concerns
- Verify project needs
- Identify project goals
- Identify environmental concerns
- Coordinate with resource agencies
- Make Project recommendations



### Step 4: Preliminary Design and Environmental Analysis

- Conduct field surveys
- Inventory existing resources to identify protected, endangered, important resources
- Identify and address public concerns by conducting meetings and distributing reports
- Develop alternatives
- Prepare environmental documentation
- Public Meetings



### Step 5: Final Design

- Develop final alignments
- Develop right-of-way needs
- Identify and address public comments
- Develop construction plans

### Step 6: Right-of-Way Purchase (Land Acquisition)

### Step 7: Utility Relocation

### Step 8: Construction

### Step 9: Maintenance



## Purpose and Need

The purpose of the US 68 Corridor Project is to provide a safer, more efficient connection between Greensburg and the Cumberland Parkway by improving substandard geometrics along the corridor. The existing alignment is characterized by horizontal and vertical curvature that does not satisfy current geometric design guidelines. Over the 12-year period between 2004 and 2016, there were 62 crashes reported between T. Davis Road and the Russell Creek Bridge south of Greensburg. Of these crashes, 39 (63 percent) were single vehicle collisions. With the new interchange opened to traffic at the Parkway, the demand for travel along the US 68 corridor is expected to increase. Addressing the substandard geometrics will extend previously implemented improvements along US 68 and provide a better connection between Greensburg, southern Green County, and northern Metcalfe County to the Cumberland Parkway.

## Procedure for Submitting Comments

Representatives of the Kentucky Transportation Cabinet and selected engineering consultants are available to answer questions you may have regarding this project. In addition, various exhibits are on display to assist you in understanding the facets of this project. You are encouraged to make an official comment that will be incorporated into the project summary.

To make a written statement, complete one of the questionnaires provided and leave it tonight with one of the representatives or mail it within 10 days to the address listed below.

Larry Krueger, PE  
 Kentucky Transportation Cabinet - District 4  
 634 East Dixie Highway  
 Elizabethtown, KY 42701

## PUBLIC MEETING

### US 68 Corridor

from T. Davis Road to the US 68 Bridge over Russell Creek

Green County

KYTC Item No. 4-397.1

March 2016

The Kentucky Transportation Cabinet (KYTC) is seeking your input on US 68 in Green County. The project team - including the KYTC and its consultant team - has developed preliminary information and alternatives for US 68 from T. Davis Road to the US 68 Russell Creek Bridge. This is 'Your Opportunity' to get involved. The purpose of this public meeting is to share information with you, answer your questions, listen to your concerns, and to get your input about the alternatives under consideration. After a short presentation, you will have an opportunity to talk with the project team and ask questions. Please turn in your comments today or mail to the District-4 office by April 13 at the address listed on the questionnaire.

Design for the portion of US 68 between the Russell Creek Bridge and KY 61, known as Vaughn Curve is going forward as part of a different project even though the environmental analysis has been done with this project. The display shown at this meeting illustrates how the proposed alternatives will meet with the new Vaughn Curve at the Russell Creek Bridge.

### Contact Information

- If you have any questions about the study, feel free to contact:
- |   |  |
|---|--|
| Gary Sharpe, PE, LS<br>Project Manager<br>Palmer Engineering<br>400 Shoppers Drive<br>Wenchester, KY 40391<br>(859) 744-1216<br>GSharpe@palmermet.com | Larry Krueger, PE<br>Project Manager<br>KYTC District 4<br>634 East Dixie Highway<br>Elizabethtown, KY 42701<br>(270) 768-0066<br>Larry.Krueger@ky.gov |
|---|--|



## Green Co. US 68

**Next Steps**

Tonight's Public Meeting	March 29, 2016
Preliminary Line and Grade	Fall 2016
Submit Environmental Document	Fall 2016
Funding Needed for Right of Way, Utilities, and Construction	

US 68 Green County		Item No. 04-397.1	
Public Meeting, March 28, 2016			
	A. From T. Davis Rd to S. Thurston Rd	B. Thurston to Bridge	
	Yellow	Blue	Orange
Length (ft.)	16,800	12,000	12,400
Maximum Grade %	3.20%	4.13%	5.92%
Right-of-Way	687,000	773,000	878,000
PA (in yds.)	380,000	766,000	870,000
Net (in yds.)	-12,000	6,000	6,000
Private Lands (acres)	58.6 AC	47.4 AC	50.2 AC
Residential Acquisitions	0	0	0
Other Land Impacts	None	None	None
Number of Parcels	35	28	6
Residential Acquisitions	0	0	0
Commercial Acquisitions	0	0	0
Measurement of Traffic	None	None	None
Utility Impacts	None	None	None
Costs			
Right of Way	\$2,300,000	\$1,800,000	\$1,400,000
Utilities	\$1,900,000	\$1,900,000	\$1,900,000
Construction	\$11,800,000	\$16,100,000	\$10,800,000
Total	\$16,000,000	\$19,800,000	\$14,100,000

#### US 68 Typical Section

# Questionnaire

 <p style="margin: 0;"><b>COMMONWEALTH OF KENTUCKY KENTUCKY TRANSPORTATION CABINET DEPARTMENT OF HIGHWAYS DISTRICT 4 – ELIZABETHTOWN</b></p>  <p style="margin: 0;"><b>PUBLIC MEETING</b></p> <p style="margin: 0;">US 68 From T. Davis Road to the Russell Creek Bridge Green County Item No. 4-397.1</p> <p style="margin: 0;">Tuesday, March 29, 2016 - Green County</p>	
<p>The purpose of this meeting is to obtain input from the public regarding proposed improvements to US 68 from T. Davis Road to the US 68 Russell Creek bridge. Written comments will be accepted during the meeting or by mail through April 19 at the District-4 Office address listed on back.</p>	
<p>Name: _____ Address: _____ Phone (optional) _____ E-mail (optional) _____</p> <p>How did you hear about this meeting - _____ (radio, newspaper, message board, friend, other)?</p>	
<p><b>Comments and views concerning the projects under consideration:</b></p>	
<p>1. My property or interest in the project is primarily: (Check all that apply)</p> <p><input type="checkbox"/> Residential    <input type="checkbox"/> Commercial/Agricultural    <input type="checkbox"/> Commuter    <input type="checkbox"/> Other</p>	
<p>2. How often do you drive the project area portion of US 68?</p> <p><input type="checkbox"/> Daily    <input type="checkbox"/> 2-3 times per week    <input type="checkbox"/> 2-3 times per month    <input type="checkbox"/> Rarely</p>	
<p>3. Do you think this project is needed?</p> <p><input type="checkbox"/> Yes    <input type="checkbox"/> No    <input type="checkbox"/> I don't know</p>	
<p>4. Are you aware of any sensitive resources within the study area that should be avoided as this project moves forward, such as parks or recreational areas, historic or archaeological sites, cemeteries, natural areas, conservation easements, waste sites or dumps, etc. (please explain below)</p> <p><input type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	
<p>Continued on the back</p>	

<p><b>Comments and views concerning this project (continued):</b></p> <p>5. If funding were available to construct only a portion of the project at a time, which portion of the project do you think should take priority?</p> <p><input type="checkbox"/> From T. Davis Road to S. Thurlow Road <input type="checkbox"/> From S. Thurlow Road to the Russell Creek Bridge with Climbing Lane</p> <p>Why? _____</p> <p>_____</p> <p>_____</p> <p>_____</p>
<p>6. The portion from T. Davis Road to S. Thurlow Road has three alternative alignments. Please number the alternatives in order of your preference (1 being 1st choice, 2=2nd, 3=3rd).</p> <p>_____ Yellow _____ Blue _____ Orange</p>
<p>7. The portion from S. Thurlow Road to the Russell Creek Bridge has two alternative alignments. Again, please number the alternatives in order of your preference (1 being 1st choice, 2=2nd). Both alternatives have a climbing lane and the same grade. The differences are in the curves.</p> <p>_____ Red - Minimum changes from existing road to achieve 55 mph design speed. _____ Light Blue - Flatter curves and less guardrail, but more cut into the hill.</p>
<p>8. Did this meeting provide the right kind of information about the US 68 project? If not, please tell us what should have been addressed. Please share any other comments you have on the project.</p> <p style="text-align: right;"><input type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>

**Thank you for taking the time to complete this questionnaire.  
Your input is critical to the success of this project.**

Please leave your completed questionnaire with us today or send them to Larry Krueger with the Kentucky Transportation Cabinet.

Larry Krueger, P.E.  
Kentucky Transportation Cabinet, District 4  
634 East Dixie Highway  
Elizabethtown, KY 42701  
Fax: (270) 766-5069  
Email: Larry.Krueger@ky.gov

# Next Steps

A photograph of a winding asphalt road through a lush green forest. The road has double yellow lines in the center and white lines on the edges. Concrete retaining walls and metal guardrails are visible along the curves. The sky is overcast. Yellow text is overlaid on the image, including a title and a list of next steps.

- **Preliminary Line and Grade** **Fall 2016**
- **Submit Environmental Document** **Fall 2016**
- **Funding Needed for Right of Way, Utilities, and Construction**

# Contact Information

**Gary Sharpe, PE, PLS**  
**Project Manager**

**Palmer Engineering**  
**400 Shoppers Drive**

**Winchester, KY 40392-0747**

**GSharpe@palmernet.com**

**(859)-744-1218**

**Larry Krueger, PE**  
**Project Manager**

**KYTC-D04**

**634 East Dixie Highway**

**Elizabethtown, Kentucky 42701**

**Larry.Krueger@ky.gov**

**(270) 766-5066**

**<http://transportation.ky.gov/district-4>**