

Appendix H – Project Team Meeting Minutes

MEETING MINUTES

Project: Pre-Design Scoping Study for 2-8300, 2-8631, 2-8632
Purpose: Project Team Meeting
Place: Kentucky Transportation Cabinet (KYTC), District 2 Conference Room, Madisonville, Ky.
Meeting Date: April 18, 2011
In Attendance:

Nick Hall	KYTC-D2 Planning
Kevin McClearn	KYTC-D2 C.D.E.
Everett T. Green	KYTC-D2 Project Development
John Rudd	KYTC-D2 Design
Steve Ross	KYTC-CO Planning
Jill Asher	KYTC-CO Planning

INTRODUCTIONS: Jill opened the Project Team Meeting by discussing the purpose of the DNA Studies. Similar studies to these, formerly known as First Look Studies and Pre-Design Scoping Studies, have been done in the past by some of the districts. It is anticipated that a study of this type will be done for every project preceding the design phase if there is no planning study associated with the project. The nine elements of Purpose and Need as defined by NEPA will be addressed and used to create a purpose and need statement for each project. Pre-Design Scoping Studies will also provide more defined project scopes, cost estimates for possible alternatives, potential environmental impacts, and other information that will be of assistance in the Phase I Design process. This study was done for Item Numbers 2-8300, 2-8631, 2-8632 in Daviess County. A handout of the meeting presentation was given to all meeting attendees. A copy of the information presented is attached to the meeting notes. A sign-in sheet was also passed around.

During the meeting, each project was discussed separately. The meeting notes will also present each project separately. Please refer to the attached presentations for each project for information discussed. The following is information from discussions during the meeting that are not documented on the attached presentations.

Item #2-8300, KY 54 in Daviess County

- Kevin McClearn gave a brief overview of some of the work planned at the ramps of the US 60/KY 54 intersection and the US 60 Extension that is currently under construction. These projects have separate funding sources than Item #2-8300. The SE quadrant of the US 60/KY 54 intersection has developed rapidly and 67 acres are currently being developed in the SW quadrant
- There is congestion in the area of the five-lane section of KY 54 near the bypass especially in the area of the Highland Elementary School. When school is in session, the back-up from the school reduces the roadway to one through lane. In

the past the ramp backed up to US 60(formerly US 60 Bypass) during school time. A loop was put in place to give added green time to the signal in the afternoons to eliminate back-ups onto US 60.

- Of the three projects discussed, this one is most likely to be designed first.
- There was a drop in ADT for what is referenced as Section 2 in the attached presentation. Nick stated that this may be due to a back way to Wal-Mart opening up for local residents.

Item #2-8631, KY 144 in Daviess County

- In 2005, coal was being hauled regularly on this road. There was a safety concern, especially for school busses, sharing this road with large coal haul trucks.
- In 2005 The Daviess County Fiscal Court asked KYTC if they could provide construction funds if the county used its coal severance money for design, property acquisition, and utility relocation to straighten out eight curves near Pleasant Valley Road. Since then, the amount and frequency of coal hauled on the road has decreased. It is unknown if the County is still willing to provide money for the project.
- Item #2-8631 is additional funds for Item #2-194.
- The preferred alternative for this project is the revision of the curves that have been identified. There is not enough money allocated to improve the length of the corridor.

Item #2-8631, KY 1554 in Daviess County

- This project was probably placed in the Highway Plan by a former Legislator from Sorgho.
- Although the project calls for a new route, the crash and traffic data do not support the need. The probable location of the new corridor may result in property owner disputes.
- Widening the existing corridor would result in major impacts to residents in the study area.
- This project has a PIF, but Nick believes it is on the inactive list.
- Improvements to the intersection of KY 1554/KY 56 may be a more logical approach.

NEXT STEPS: The district agreed to provide planning level, phased cost estimates for the alternates they would like to see move forward.

The meeting was followed by a visit to the site by Central Office Planning staff.

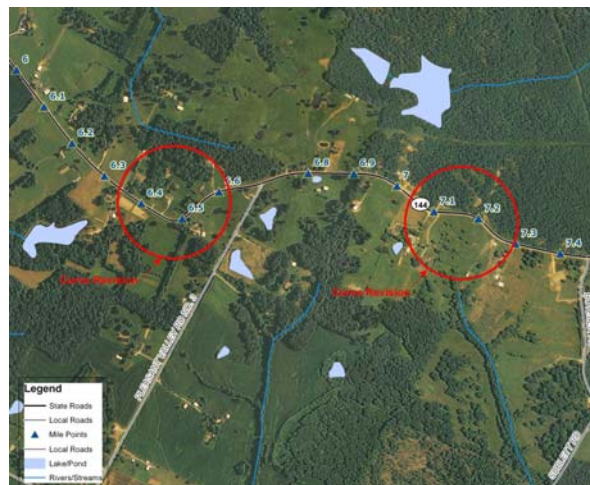
END OF MINUTES

**KY 144
Daviness County
Item #2-8631.00**



**Data Needs Analysis
April 18, 2011**

Project Limits



Beginning and Ending MPs have not been established for this project.

Legislation

2010 General Assembly's Enacted Roadway Plan

▶ **Item #2-8631.00, Daviess County**

<u>Phase</u>	<u>Fund</u>	<u>Year</u>	<u>Estimate</u>
D	SB2	2012	\$660,000

REALIGN KY-144 TO KNOTTSVILLE

Purpose and Need: RELIABILITY/ RECONSTRUCTION

▶ **Item # 2-194.00, Daviess County**

<u>Phase</u>	<u>Fund</u>	<u>Year</u>	<u>Estimate</u>
C	SPP	2010	\$520,000

RECONSTRUCT KY-144 IN THE VICINITY OF PLEASANT VALLEY ROAD

Milepoints: 6.6 to 6.7

Purpose and Need: Reliability / Major Widening

Project Status

- ▶ Design funds are not yet authorized. Design funds were reestimated to be \$500,000.
- ▶ It is believed that Item #2-8631.00 is additional funds for Item #2-194.00.
- ▶ JDQ produced a KY 144 Improvement Report in 2005 for the Daviess County Fiscal Court. It proposed replacing eight curves with four 50 MPH horizontal curves with some straightening of the alignment. The estimate for the preferred alternative was \$873,000. Daviess County's Local Government Economic Development (LGED) funds would provide all design, property acquisition, and utility relocation costs and a small amount of constructions costs. An estimated \$800,000 would be required from KYTC.

Project Status (cont.)

Preconstruction Information for: 2-194.00
Project Status: Active

Type of Work: RECONSTRUCTION(O) Description: RECONSTRUCT KY-144 IN THE VICINITY OF PLEASANT VALLEY ROAD. DESIGN PHASE MONEY WAS MOVED FROM 2-6631.00(10CCR)

Location:

Route	County	Route	BMP	EMP
Route 1	DAVESS	KY-144	5.5	6.7
Route 2		-		

Length: MI.

Current Phase Info:

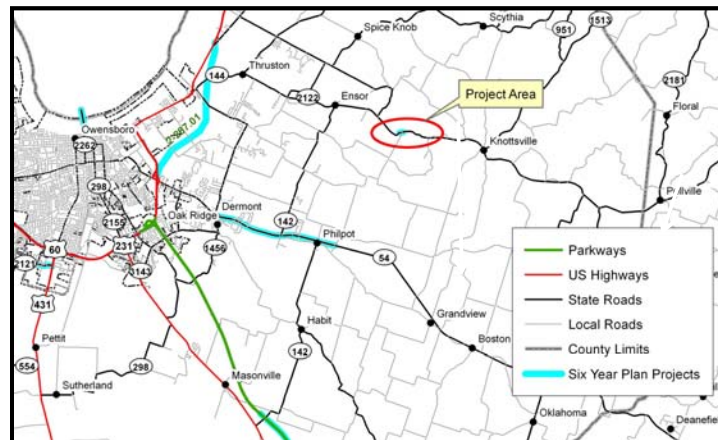
Phase	Fund Code	Estimated Cost	Scheduled FY	Phase Funding Status	Authorized Date	Authorized Amount
Design	SB2	\$500,000.00	2011	ESTIMATED		\$0.00
Construction	SPP	\$520,000.00	2010	ESTIMATED		\$0.00

Highway Plan Phase Info:

Phase	Funding	FY	Amount
Construction	SPP	2010	\$520,000.00



System Linkage



KY 144 connects Knottsville to Owensboro.

KY 54 Road Classifications

- Functional Classification – Rural Major Collector
- State System – State Secondary
- Truck Weight Classification – AA
- Coal Haul Route – Approximately 407,034 tons annually
- Access – By Permit

Modal Interrelationships

- ▶ Public Transit
 - GRITS – on call service
- ▶ Coal Haul Route

Social Demands & Economic Development

Social Demands

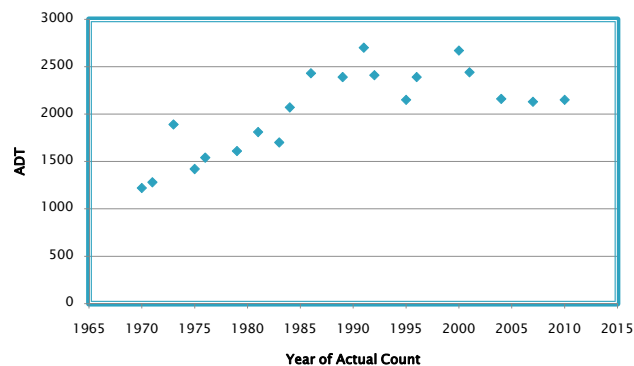
- ▶ New Hospital
- ▶ Schools

Economic Development

- ▶ Coal Haul Route

Transportation Demand

The current ADT is approximately 2150 along this corridor.

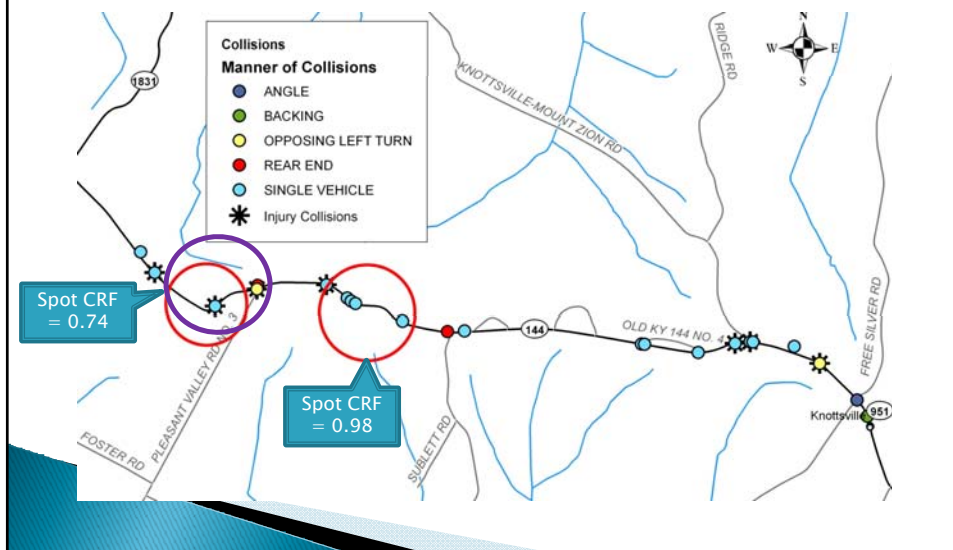


Capacity

- ▶ The current VSF is 0.11. Capacity does not appear to be an issue at this time.

Safety

Collision Locations (January 1, 2008 to December 31, 2010)



Safety

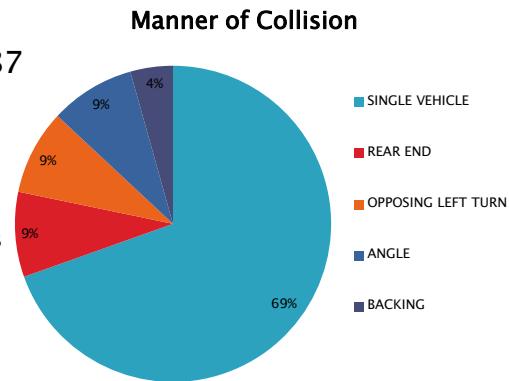
January 1, 2008 to December 31, 2010

From MP 6.0 To MP 9.2

▶ Summary:

- 0 Fatalities
- 7 Injury collisions
- 23 Total collisions
- Segment CRF = 0.87

Note: 6 of the 16 single vehicles collisions were with animals.



Roadway Deficiencies

▶ Existing Roadway Data

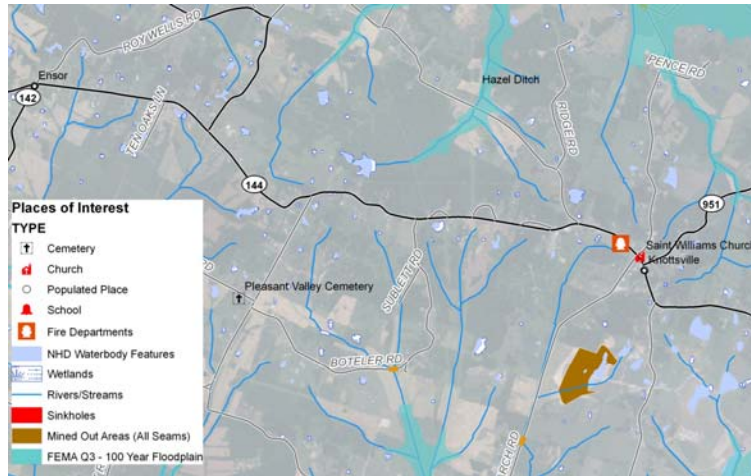
- 10 Ft. Lanes
- 2 Ft. Shoulders w/ Rumble strip
- Max Grade = <2.4%
- Min Radius = <400 Ft.
- 55 MPH posted speed limit
- 82nd percentile Adequacy Ratings

• Geometric Practices for Rural Collectors

- Min. 12 Ft. Lanes
- Min. 8 Ft. Shoulders
- Max Grade = 7%
- Min Radius = 965 Ft. for 55 mph Design Speed & eMax=8%

Note: There are no bridges in the project location.

Environmental Considerations

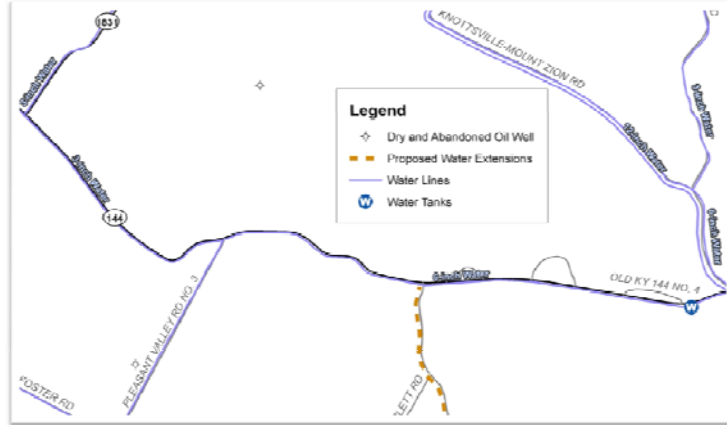


Environmental Considerations Cont.



Environmental concerns include potential habitats for the bats and several homes are within the viewshed of the project that are 50 years old or older.

Utilities



Water
Southeast Daviess County Water
East Daviess County Water Assoc.

Phone/Cable
KDL Communications
Time Warner Cable
ATT

Electric
Big Rivers Electric
OMU Electric
KU
Kenergy

Oil
Marathon Oil
Gas
Atmos Energy

Observations

(Video & Pictures)

KY 144 Entering 1st Curve



Pleasant Valley Road Intersection with KY 144



KY 144 Curves East of Pleasant Valley Road



KY 144 Curve East of Pleasant Valley Road



Possible Alternatives

- ▶ No Build
- ▶ Widen KY 144 to 12 ft lanes and 8 ft shoulders from MP 0.95 to MP 8.8629 improving alignment of 9 horizontal curves
- ▶ Improve curves just east and west of Pleasant Valley Road

Widen KY 144, 9 Curve Revisions



This option would widen the lanes to 12 ft., the shoulders to 8 ft., approximately from MP 0.95 to MP 8.86. Nine horizontal curves would be improved.

○-identifies deficient horizontal curve

Improve Curves just east and west of Pleasant Valley Road



Improve Curves just east and west of Pleasant Valley Road



Potential Conflicts

- ▶ Utilities
- ▶ R/W issues
- ▶ Environmental Impacts

Purpose & Need Statement(s)

- ▶ Needs
 - KY 144 has several horizontal curves that do not meet recommended guidelines for rural collectors.
 - The lane and shoulder width of KY 144 do not meet the recommended guidelines for rural collectors.
 - There are collisions occurring in the proximity of these horizontal curves.
- ▶ Purpose
 - The purpose of this study on KY 144 is to address the geometric deficiencies and to improve the safety and connectivity between Owensboro and Knottsville.