

# CYNTHIANA HARRISON COUNTY, KENTUCKY

June 2009

FINAL REPORT

## EXECUTIVE SUMMARY SMALL URBAN AREA TRANSPORTATION STUDY

Prepared For:

Prepared By:

KENTUCKY  
TRANSPORTATION  
CABINET  
DIVISION of PLANNING

BLUEGRASS AREA  
DEVELOPMENT  
DISTRICT

Qk4  
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# CITY OF CYNTHIANA

Harrison County, Kentucky



*Prepared for:*

KENTUCKY TRANSPORTATION CABINET

DIVISION of PLANNING

*Prepared by:*



June, 2009





## EXECUTIVE SUMMARY

### Project Description

The *Cynthiana Small Urban Area (SUA) Transportation Study* was conducted for the Kentucky Transportation Cabinet (KYTC), Division of Planning in cooperation with the Bluegrass Area Development District. Small Urban Area Transportation Studies are conducted in municipalities that range in population from 5,000 to 50,000 residents. Cynthiana was an eligible municipality to undergo an SUA Study because it has a population of 6,272 residents.

The goal of this SUA transportation study was to identify improvements to the transportation system within and surrounding the Cynthiana urban area. Special attention was given to those improvements that address the travel needs and safety concerns within the study area. The focus on the transportation improvements was not specifically adding transportation systems, but maximizing the current transportation assets on the existing state-controlled route system.

For this study, Qk4 served KYTC as the project consultant. A project team approach was employed. The team was comprised of members from KYTC, Bluegrass Area Development District (BGADD), and Qk4. Steps taken by the project team included analyzing road system data, identification of problem spots, multiple field reviews, and identification and prioritization of improvement strategies. An Advisory Committee was also involved and was comprised of local elected officials and stakeholders. Public input was gathered via an online public comment survey.

### Study Location

The general study area includes all of the incorporated limits plus the surrounding developed areas of the City of Cynthiana in Harrison County. This area consists of the designated Small Urban Area including the vicinity of Section 1 and Section 2 of the proposed Cynthiana Bypass (Item Nos. 6-119.20 and 6-119.51, respectively, in the 2008 KYTC Highway Plan). The study area is illustrated in Figure ES-1 to the right and in Exhibit 1, in Appendix A of this report.

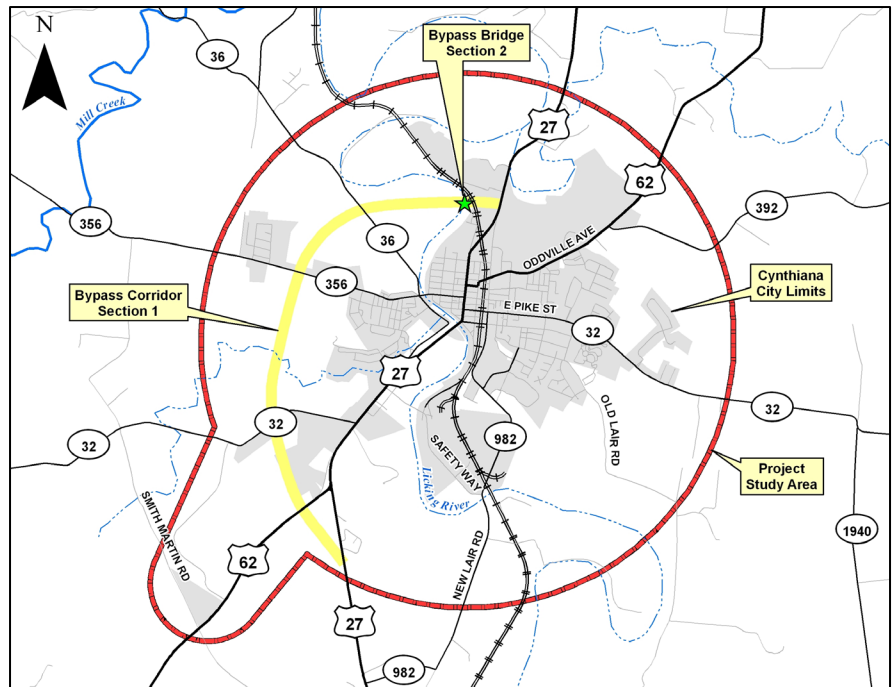


Figure ES-1: Project Study Area

## Project Recommendations

A list of Small Urban Area safety and congestion improvement projects has been compiled and ranked in order of local preference and will be considered for state funding. The recommended projects identified in the study have been organized into three categories according to implementation time frame and the responsible party. The project categories are: KYTC Short-Term, KYTC Long-Term, and Local. The project categories, type, cost, and a brief description are identified below.

- **KYTC Short-Term** — Projects that can be executed fairly quickly by the District personnel focusing on low cost operational and safety improvements. These projects typically range in cost from <\$10,000 - \$200,000. These projects are listed below, in Table 3A, and one page descriptions of each are included on summary sheets, pages 22 to 36 in the report.

Rank	Project	KYTC SHORT-TERM PROJECTS—Description	Type	Cost
1	16	Install temporary truck detour signage due to weight restriction on the US 27 bridge over the Railroad until the bridge can be replaced. Place sufficient signage in the southern end of town on US 27 to provide adequate direction to inbound trucks from the south.	Signage	<\$10,000
2	1	Reevaluate the signal timing at the intersection of US 62 and US 27 to reduce congestion on US 62.	Signal Timing	<\$10,000
3	2	Reevaluate the signal timing at the intersection of US 27 and KY 32 to reduce congestion on US 27 and KY 32.	Signal Timing	<\$10,000
4	5a	Conduct a signal warrant analysis at the Ladish Road and US 27 intersection to consider a dedicated left turn and combined through-right lanes. The offset commercial driveway lanes should also be aligned opposite Ladish Road, to reduce driver confusion. Consideration may also be given to a split phase signal. Also consider crosswalks to allow pedestrian access across US 27.	Signal Warrant Analysis	<\$10,000
5	7	Install a signal at the intersection of US 27 and KY 3016 due to the difficulty of the left-turn movement from KY 3016 to northbound KY 27, and the left turn from US 27 to KY 3016.	Signal	\$75,000
6	11	Construct a left-turn lane on Main Street (US 27) at West Pleasant Street (KY 356). This will require an analysis for a split phase signal and possible restriping on US 27.	Reconstruction/ Signal Analysis	\$75,000
7	40	Due to congestion, conduct intersection signal timing analysis on downtown streets to verify most efficient performance. This project requires local initiation as a request to KYTC.	Signal Analysis	<\$10,000
8	13	Address sidewalk deterioration on the W. Pleasant Street (KY 356) bridge to improve safety for pedestrians.	Maintenance	<\$10,000
9	10	Relocate the street signage at the intersection of Main Street (US 27) and Pike Street (KY 32) to a more visible location to reduce driver confusion.	Signage	<\$10,000
10	4	Decrease embankment elevation on the west side of intersection and remove the tree on the east side of the intersection to improve the sight distance for traffic entering KY 356 from Spruce Drive.	Maintenance	<\$10,000

Rank	Project	KYTC SHORT-TERM PROJECTS—Description	Type	Cost
11	14	Address sight distance deficiencies for traffic entering KY 356 from Cladorbon Drive (MP 14.124) by adding warning signage.	Signage	<\$10,000
12	20	Address sight distance deficiencies for traffic entering US 62 from KY 392 (MP 10.5) with signage and maintained vegetation.	Signage/Maintenance	<\$10,000
13	28	Cut back the embankment at the curve (approx. MP 5.52) on New Lair Road (KY 982) to improve sight distance and drainage.	Reconstruction	\$50,000

- **KYTC Long-Term**—Projects of the scale that would likely have to be included in the Highway Plan. These projects are listed in Table 3B of the report, and one page descriptions of each are included on summary sheets, pages 37 through 47 of the report.
- **Local** — Projects that would be the responsibility of the City of Cynthiana, Harrison County, and/or private developers and that may be undertaken at the discretion of any of those entities. These projects are listed in Table 3C, and one page descriptions of each are included on summary sheets, pages 48 to 66 of the report.