

US 31W/ KY 446 STUDY

OLD PORTER PIKE TO
PLUM SPRINGS LOOP (KY 957)
BOWLING GREEN
WARREN COUNTY

Public Meeting
March 31, 2015



Groundbreaking by Design.



Study Team

KYTC



QK4

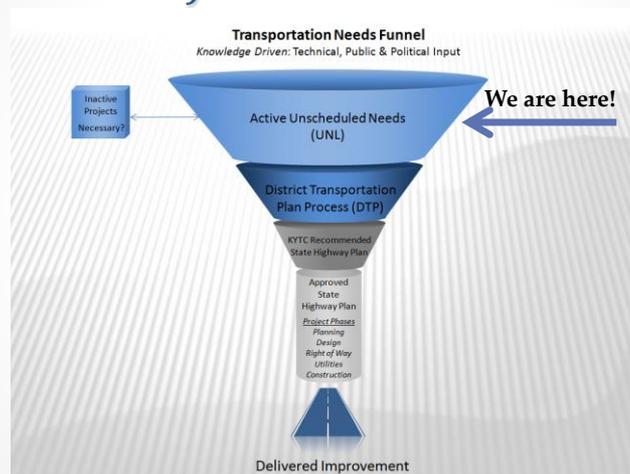


Purpose of this Meeting

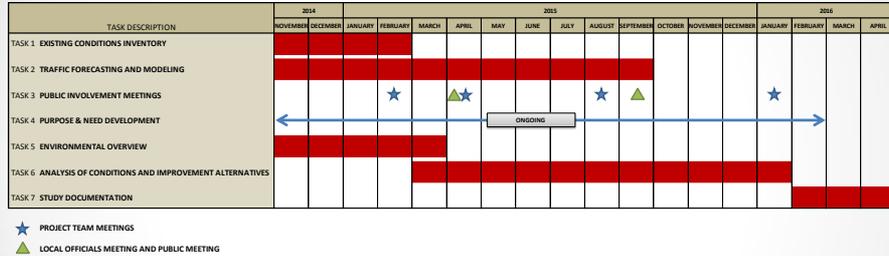
- Share Information About the Study Area
- Present Existing Conditions
- Validate the Purpose and Need for the Project
- Convey Project Schedule
- Listen to your Concerns within the Study Area
- **Obtain your Comments Through Surveys**

<http://Yourturn.transportation.ky.gov/>

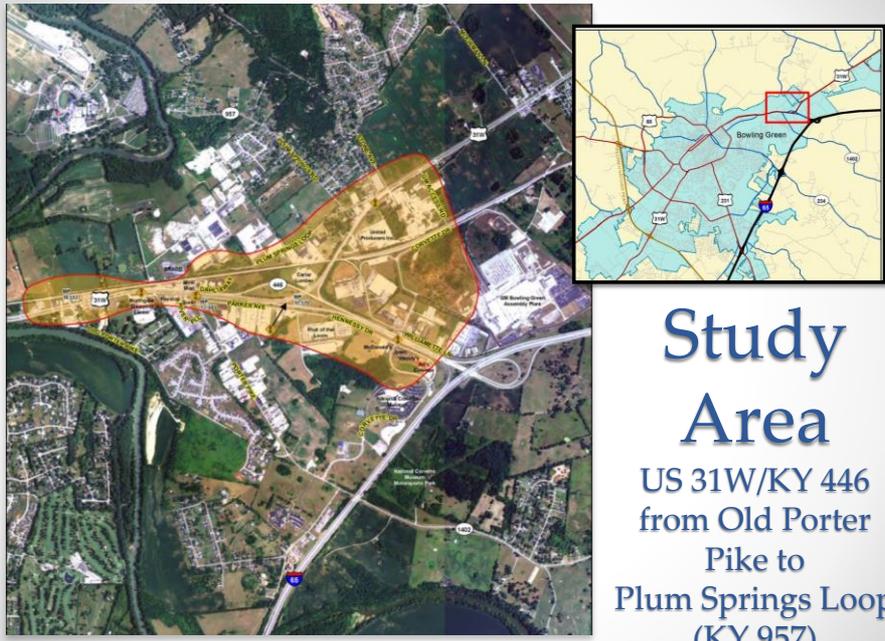
Where are We in the Project Process?



Study Schedule



What are we Studying?



Study Area
US 31W/KY 446
from Old Porter
Pike to
Plum Springs Loop
(KY 957)

**Historical
and
Present
Day
Views of
Study
Area**

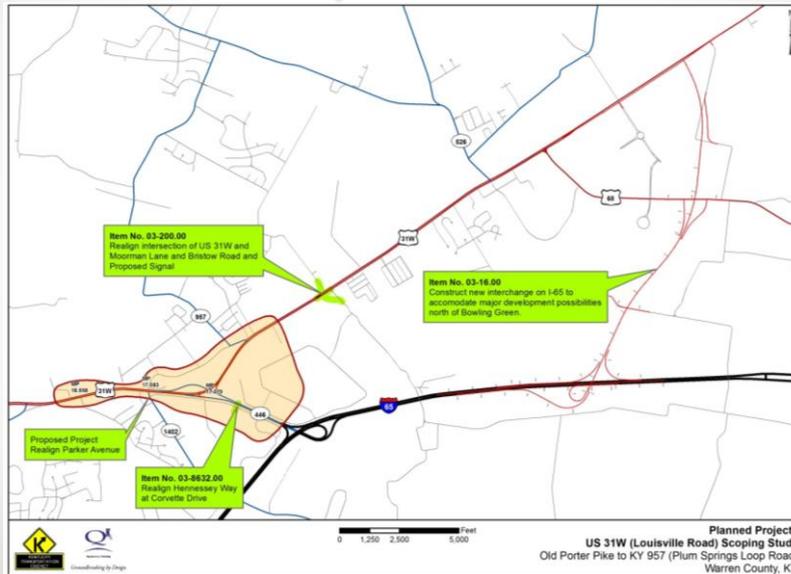


Warren County, KY 1967 Warren County, KY 2012

Study Area has a Rural Interchange in an Urban Setting



Current Projects in the Area



The National Corvette Museum Motorsports Park East of I-65



Drawing Furnished by National Corvette Museum

Draft Purpose and Need

The draft Purpose of this project is to **increase mobility and improve safety** in the US 31W / KY 446 Corridor. US 31W (Louisville Road) is a major urban and regional connection in Bowling Green, providing a gateway for southbound motorists entering Bowling Green from I-65 to access the Corvette Plant activities center, Beech Bend Park, and downtown Bowling Green.

The need stems from the following:

- A 1950's rural, high speed interchange design that has transitioned to more urban characteristics
- Multiple traffic signals
- New development has led to access/driveway issues
- Growth has traffic and crashes on the rise

Please Give us Your Input!

- **Survey at this Meeting**
- **Sticker Dot Exercise**
- **Survey On-Line**
<http://Yourturn.transportation.ky.gov/>

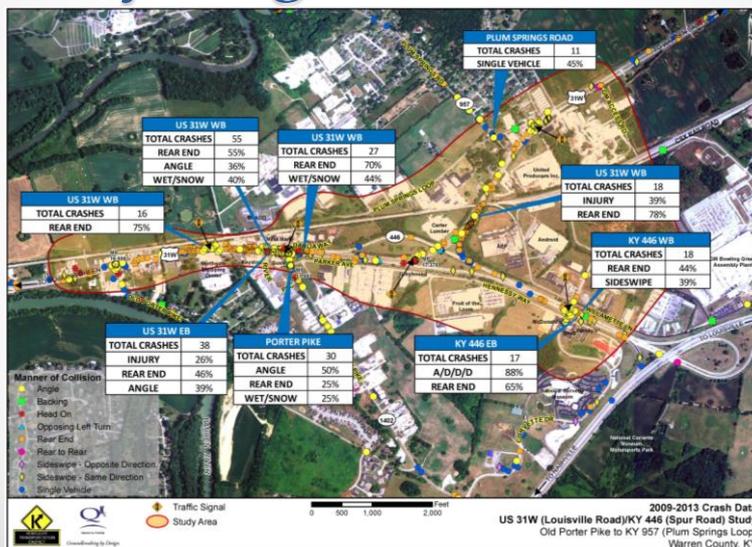
US 31W/KY 446 Study Area Considerations

Public Input

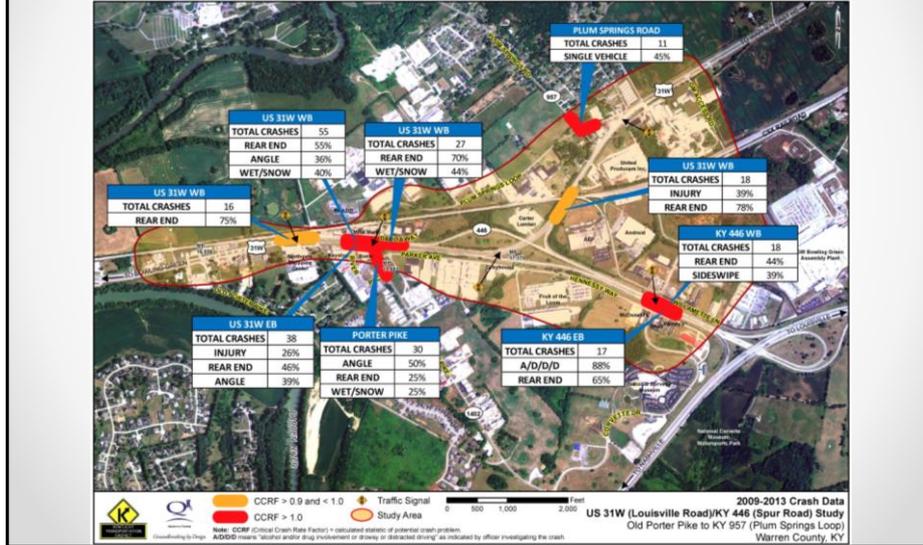
Survey Question Number 4

Please rank your **level of concern** in the study area from 1-5. 1 would be your least concern and 5 your greatest concern (*please circle*).

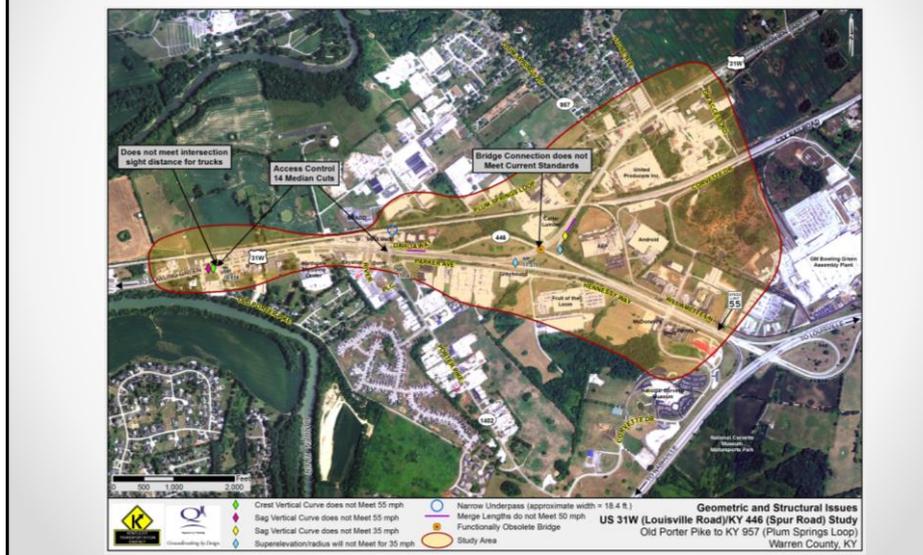
Crashes are Mainly Angle and Rear End



High Crash Locations



Identified Geometric Issues



Intersections at or Exceeding Capacity during the Peak Hour

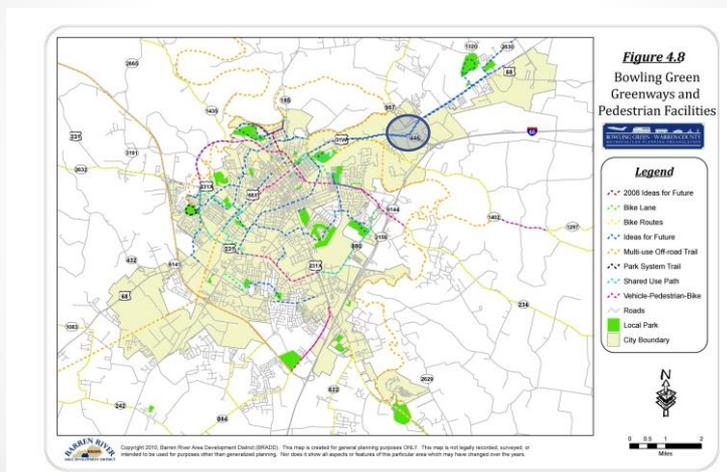


Please Take a
Moment to
Watch the
Traffic Video

Drainage Issue across from Keystop



Pedestrian/Bicycle Facilities



○ Study Area

Multiple Driveways and Median Openings just South of Porter Pike



Greyhound is the Only Study Area Transit Provider



Survey Questions

Please rank your **level of concern** in the study area from 1-5. 1 would be your least concern and 5 your greatest concern (*please circle*).

	Level of Concern for the Following	Your Rank				
a.	Safety/Number of crashes	1	2	3	4	5
b.	Congestion (long delays)	1	2	3	4	5
c.	Flooding or standing water on the road	1	2	3	4	5
d.	Lack of pedestrian and bike connections (sidewalks)	1	2	3	4	5
e.	Multiple entrances and median crossovers on US 31W	1	2	3	4	5
f.	Access to transit (Go BG)	1	2	3	4	5
g.	Other	1	2	3	4	5

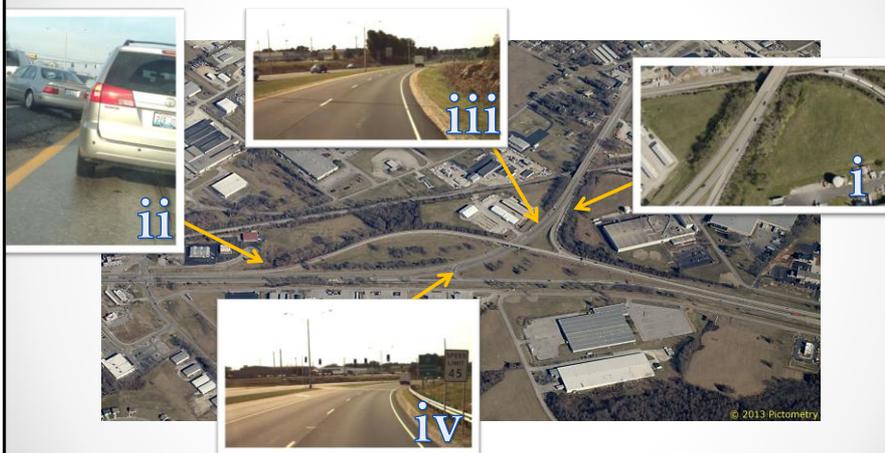
Public Input

Survey Question Number 5

Please rank the **level of difficulty** making these maneuvers. 1 would be your least difficult and 5 would be the most difficult (*please circle*).

US 31W/KY 446 Study Area Locations of Concern

US 31W/KY 446 Interchange



Letters on the map denote the survey reference for each ramp

Morning Backup of KY 446 East toward I-65



KY 446 Backup in the Mornings



Corvette Drive & KY 446



Porter Pike Backup Toward Bowling Green



Plum Springs Loop from Underpass to US 31W



Crest Curve at Old Porter Pike and US 31W



Plum Springs Loop – Narrow Underpass



KY 957 (Plum Springs Loop) & US 31W





Frontage Roads: Williamette Lane, Parker Avenue and Hennessy Way Congestion and Safety

Survey Questions cont.

Please rank your **level of difficulty** making these maneuvers. 1 would be your least difficult and 5 would be the most difficult (*please circle*).

Level of Difficulty for the Following	Your Rank				
	1	2	3	4	5
KY 446/US 31W interchange					
i. Ramp from KY 446 to Northbound US 31W (toward Warren East High School)	1	2	3	4	5
ii. Ramp from KY 446 to Southbound US 31W (toward downtown)	1	2	3	4	5
a. iii. Ramp from US 31W Southbound to KY 446 (toward I-65 interchange)	1	2	3	4	5
iv. Ramp from US 31W Northbound to KY 446 (toward I-65 interchange)	1	2	3	4	5
b. Corvette Drive & KY 446	1	2	3	4	5
c. Porter Pike (KY 1402) & US 31W	1	2	3	4	5
d. Old Porter Pike & US 31W (flashing beacon)	1	2	3	4	5
e. Narrow underpass at rail crossing on Plum Springs Loop near south intersection of US 31W	1	2	3	4	5
f. KY 957 (Plum Springs Loop) and US 31W	1	2	3	4	5
g. Other	1	2	3	4	5

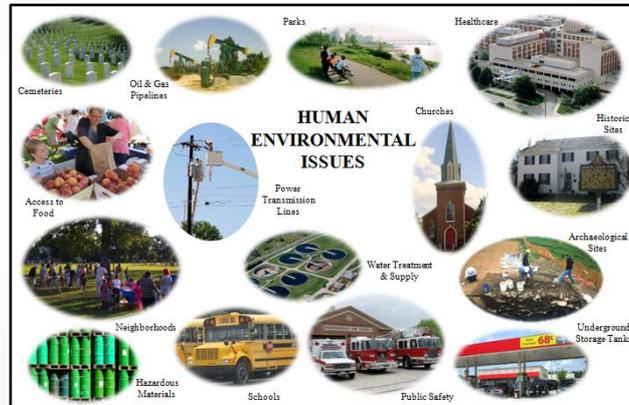
Public Input

Survey Question Number 6

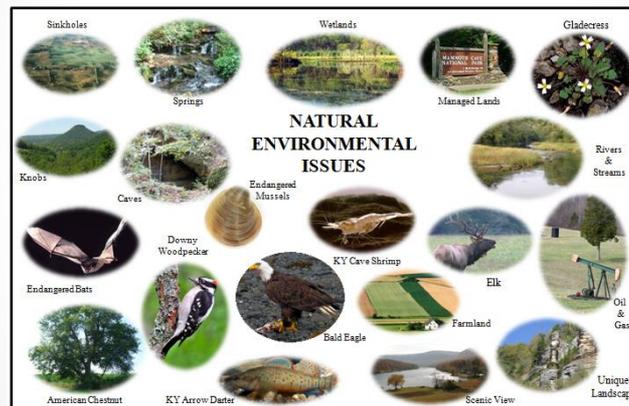
Please rank the **level of environmental concern** in the study area: 1 would be the least concern and 5 would be the greatest concern (*please circle*).

US 31W/KY 446
Study Area
Environmental
Considerations

Examples of Human Environmental Issues



Examples of Natural Environmental Issues



Study Area Environmental Issues



Survey Questions cont.

Please rank the **level of environmental concern** in the study area: 1 would be the least concern and 5 would be the greatest concern (*please circle*).

	Level of Environmental Concern	Your Rank				
a.	Sinkholes/Groundwater	1	2	3	4	5
b.	Historic Resources (cemeteries, old homes, etc.)	1	2	3	4	5
c.	Business Impacts	1	2	3	4	5
d.	Hazardous Materials/Underground Storage Tanks	1	2	3	4	5
e.	Residential Impacts	1	2	3	4	5
f.	Noise	1	2	3	4	5
g.	Landscaping	1	2	3	4	5
h.	Other	1	2	3	4	5

Please Give us Your Input!

- Survey at this Meeting
- Survey On-Line
<http://Yourturn.transportation.ky.gov/>
- Sticker Dot Exercise

Dot the map! Let us know the locations of your biggest concerns.

- **Red** – most important to you
- **Yellow** – somewhat important

US 31W/KY 446 PLANNING PROJECT MANAGER CONTACT INFORMATION



Jeff Moore, AICP
Kentucky Transportation
Cabinet, District 3
900 Morgantown Road
Bowling Green, KY 42101
Jeff.Moore@ky.gov
Phone: (270)746-7898



Groundbreaking by Design.

Annette Coffey, PE
QK4, Inc.
2225 Lawrenceburg
Road
Frankfort, KY 40601
acoffey@qk4.com
Phone: (502)352-2197