

APPENDIX M
RESOURCE AGENCY
COORDINATION

US 31W/KY 446 Study – Warren County

Summary of 14 Electronic Agency Responses with Comments from 12 Written Responses or E-mails:

Responses were received from 2 federal, 6 state, 6 local, and 2 other agencies. Most had read the project Purpose and Need Statement. The most frequently cited sensitive areas that respondents felt should be avoided were natural areas or wildlife habitat; cited half as frequently were parks and recreational areas, historic or archaeological sites, cemeteries, conservation easements, and waste or dump sites. Karst topography was cited, with nearby sinkholes noted. Four locations within the study area that might still be considered farmland were identified. A list of threatened or endangered species in the project area was provided.

A roundabout was the most frequently cited preferred alternative, followed by reconstruction of the interchange and a three legged intersection with a continuous southbound movement on US 31W. A four-legged intersection incorporating an entrance into Carter Lumber was the least preferred alternative. Concern was, however, expressed with the safety of a roundabout at high-volume peak hours and due to the high concentration of out-of-town drivers who would not be familiar with the roundabout.

Support varied for the independent transportation actions identified in the survey. Access Management Control was the most strongly supported action, followed by realigning Parker Avenue and reconfiguring Corvette Drive/Duntov Way. Only closing of the Plum Springs underpass was viewed unfavorably by respondents to the survey.

No electronic respondent cited a Best Management Practice (BMP), but a written response mentioned a Groundwater Protection Plan.

General comments, concerns, or suggestions from respondents included the following:

- Expressed appreciation that the transportation needs of the area were being examined.
- Concern expressed about appropriateness of a roundabout where a large number of commercial vehicles are present.
- Concern for congestion at the intersection of US 31W and Plum Springs Loop if Plum Springs underpass is closed.
- Too much priority given to Carter Lumber (in 4-legged intersection option).
- Concern that multiple construction projects in the area might be undertaken at the same time.
- Industries along Plum Springs Loop should have been included (in project discussions).
- Expressed appreciation for each alternative, but a preference for the roundabout.
- Neither a stream construction permit nor a U.S. Coast Guard permit will be required.
- All solid waste generated by this project must be disposed at a permitted facility.
- Regulations regarding open burning and fugitive emissions must be complied with.
- Any structure exceeding the height of surrounding trees, such as high-mast lighting or construction cranes, must have a permit from the Kentucky Airport Zoning Commission.



ENERGY AND ENVIRONMENT CABINET

Steven L. Beshear
Governor

DEPARTMENT FOR ENVIRONMENTAL PROTECTION
300 FAIR OAKS LANE
FRANKFORT, KENTUCKY 40601
PHONE (502) 564-2150
FAX (502) 564-4245
www.dep.ky.gov

Leonard K. Peters
Secretary

R. Bruce Scott
Commissioner

July 8, 2015

Shane McKenzie, PE
Kentucky Transportation Cabinet
Division of Planning
200 Mero Street
Frankfort, KY 40622

Re: SERO 2015-19
Planning Study US 31W/KY 446 Study Old Porter Pike to KY 957 (Plum Springs Loop) - Bowling Green, Warren County

Mr. McKenzie,

The Energy and Environment Cabinet serves as the state clearinghouse for review of environmental documents generated pursuant to the National Environmental Policy Act (NEPA). Within the Cabinet, the Commissioner's Office in the Department for Environmental Protection coordinates the review for Kentucky state agencies.

We received your email dated June 8, 2015. Your email requested the departments input on a Planning Study US 31W/KY 446 Study Old Porter Pike to KY 957 (Plum Springs Loop) - Bowling Green, Warren County. The following comments are submitted in reference to this project.

Comments from the Division of Water:

There are no Outstanding State Resource Waters, Wild Rivers or known Exceptional Waters within the project area. Best management practices shall be utilized to reduce runoff from the project into surface waters.

Please be advised that there are no permits, certifications or formal approvals needed from the Groundwater Section for this project to go forward; however, the site is underlain by karst and therefore located in a groundwater region that is highly sensitive to groundwater contamination from surface activities. There are sinkholes located within the footprint of the proposed construction/highway realignment and there are groundwater wells and springs within a one mile radius of site activities. There are activities associated with the project's construction and road realignment that will require a Groundwater Protection Plan so it is recommended that these specific activities be identified and Best Management Practices (BMP) developed in regards to 401 KAR 5:037 to protect the groundwater from potential contaminant events, especially in the area of active sinkhole development. A survey of groundwater users, to include the number of water wells and springs within a minimum ½ mile radius of the construction activities should be conducted before construction activities begin and BMPs developed to protect them from construction activities. Daily inspections and periodic monitoring of Wilkins Blue Hole and Harris Spring to identify potential impacts to groundwater from road construction activities is recommended.

Kentucky Revised Statute KRS 151.250, provides for exemption for the Department of Highways; therefore, a stream construction permit will not be required.

Comments from the Division of Waste Management:

All solid waste generated by this project must be disposed at a permitted facility. If underground storage tanks are encountered, they must be properly addressed. If asbestos, lead paint, and/or other contaminants are encountered during this project, they must be properly addressed.

Comments from the Division of Air Quality:

Kentucky Division for Air Quality Regulation **401 KAR 63:010** Fugitive Emissions states that no person shall cause, suffer, or allow any material to be handled, processed, transported, or stored without taking reasonable precaution to prevent particulate matter from becoming airborne. Additional requirements include the covering of open bodied trucks, operating outside the work area transporting materials likely to become airborne, and that no one shall allow earth or other material being transported by truck or earth moving equipment to be deposited onto a paved street or roadway. Please note the [Fugitive Emissions Fact Sheet](#).

Kentucky Division for Air Quality Regulation **401 KAR 63:005** states that open burning is prohibited. Open Burning is defined as the burning of any matter in such a manner that the products of combustion resulting from the burning are emitted directly into the outdoor atmosphere without passing through a stack or

chimney. However, open burning may be utilized for the expressed purposes listed on the [Open Burning Brochure](#).

The Division would like to offer the following suggestions on how this project can help us stay in compliance with the NAAQS. More importantly, these strategies are beneficial to the health of citizens of Kentucky.

§ Utilize alternatively fueled equipment.

§ Utilize other emission controls that are applicable to your equipment.

§ Reduce idling time on equipment.

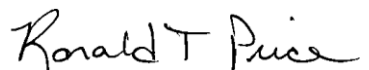
Kentucky Heritage Council:

The agency must ensure compliance with relevant state and federal regulations regarding cultural resources. These may include any or all of the following: the Advisory Council on Historic Preservation's Rules and Regulations for the Protection of Historic and Cultural Properties(36CFR, Part 800) pursuant to the National Historic Preservation Act of 1966; the National Environmental Policy Act of 1969 Executive Order 11593; Kentucky Antiquities Act; Kentucky Cave Protection Act; and graves protection legislation.

This review is based upon the information that was provided by the applicant. An endorsement of this project does not satisfy, or imply, the acceptance or issuance of any permits, certifications or approvals that may be required from this agency under Kentucky Revised Statutes or Kentucky Administrative Regulations. Such endorsement means this agency has found no major concerns from the review of the proposed project as presented other than those stated as conditions or comments.

If you should have any questions, please contact me at (502) 564-2150, ext. 3125.

Sincerely,

A handwritten signature in black ink that reads "Ronald T Price". The signature is written in a cursive, flowing style.

Ronald T. Price
State Environmental Review Officer
Kentucky Department for Environmental Protection

From: Stephen.Wilson@faa.gov
To: [McKenzie, Shane \(KYTC\)](#)
Subject: US 31W/KY 446 Study Bowling Green
Date: Wednesday, July 08, 2015 9:30:41 AM

Shane-

We have reviewed the proposed roadway improvement project in Bowling Green. Based on the information available, Bowling Green Regional Airport (BWG) is the closest airport to the proposed project. We don't anticipate any impacts to the airport, however.

Please notify our office should the project location change.

Thanks

Stephen Wilson
Community Planner
FAA, Memphis Airports District Office
2600 Thousand Oaks Blvd., Suite 2250
Memphis, TN 38118 2482
901 322 8185
901 322 8195 Fax
Stephen.wilson@faa.gov

From: [Houlihan, John \(KYTC\)](#)
To: [McKenzie, Shane \(KYTC\)](#)
Subject: RE: US 31W/KY 446 Study - Old Porter Pike to KY 957 (Plum Springs Loop) - Bowling Green, Warren County, Item No. NA
Date: Tuesday, June 09, 2015 2:10:14 PM

Ms. McKenzie,

The project area is located under the Bowling Green Airport approach surface, by state law this puts any structure under the approach surface in the KAZC jurisdiction. However, this will only apply to structures that would exceed the height of the surrounding trees in the project area. All structures that are at or below the height of the trees would be shielded. Structures that would require a permit from the KY Airport Zoning Commission (KAZC) would be for example, high mast lighting and construction cranes. Structures that will be shielded for example are overhead signs, traffic signals and roadway lighting that would not exceed the height of the surrounding trees.

Shielding definition: Any object that will be shielded by existing structures of a permanent and substantial nature or by natural terrain or topographic features of equal or greater height, and will be located in the congested area of a city, town, or settlement where the shielded structure will not adversely affect safety in air navigation.

A note needs to be added to the plans stating, any construct equipment or roadway structure(s) at would exceed the height of the surrounding trees would require a permit from the KAZC. Bridge realignments would not require a permit, due to shielding by the trees.

You may want to spot survey a few areas to determine the height of the trees, so you can but a define height in the plan notes.

If you have any questions, please let me know.

Thank you.

Kentucky Airport Zoning Commission (KAZC)

John Houlihan, Administrator

90 Airport Road, Building 400

Frankfort, KY 40601

Direct Line 502-564-0310, Cell 502-330-3955, Office 502-564-4480, Fax 502-564-7953

KAZC webpage: <http://transportation.ky.gov/Aviation/Pages/Zoning-Commission.aspx>

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From: McKenzie, Shane (KYTC)
Sent: Monday, June 08, 2015 4:40 PM
To: Houlihan, John (KYTC)
Subject: US 31W/KY 446 Study - Old Porter Pike to KY 957 (Plum Springs Loop) - Bowling Green,

Warren County, Item No. NA

Mr. John Houlihan
Administrator
Kentucky Airport Zoning Commission
90 Airport Rd. Bldg 400
200 Mero Street
Frankfort KY 40601

Subject: US 31W/KY 446 Study Old Porter Pike to KY 957 (Plum Springs Loop)- Bowling Green,
Warren County Item No. NA

Dear Mr. Houlihan:

We are requesting your agency's review and comments on a planning study to determine the need and potential impacts for a proposed highway project.

Please see letter and project information at:

https://www.dropbox.com/sh/bvipvmb16dckk4z/AABRsuCBIZspTuUP4_4OFW2Ta?dl=0

Additional project information is available at the KYTC's Your Turn website at:

<http://transportation.ky.gov/YourTurn/Pages/yourturn.aspx>

We ask that you identify specific issues or concerns of your agency that could affect the project development. You may send your responses by mail or complete

an electronic questionnaire at: <https://www.surveymonkey.com/s/US31WResourceAgencySurvey>

Kindly respond by Wednesday, July 8, 2015.

Please let me know if you have any questions or concerns.

Thank you,

Shane McKenzie, PE
Transportation Engineer I
Kentucky Transportation Cabinet
Division of Planning
200 Mero Street
Frankfort, KY 40622
P. 502.782.5070

From: [Juva Barber](#)
To: [McKenzie, Shane \(KYTC\)](#)
Subject: RE: US 31W/KY 446 Study - Old Porter Pike to KY 957 (Plum Springs Loop) - Bowling Green, Warren County, Item No. NA
Date: Tuesday, June 09, 2015 10:06:36 AM

Good Morning Shane,

We have no comments at this time.

Thank you

Juva

Juva Barber
Executive Director
Kentuckians for Better Transportation
9300 Shelbyville Rd., Ste 1204
Louisville, KY 40222

(502) 491-5600 Office
(502) 458-0032 Cell

www.kbtnet.org

From: McKenzie, Shane (KYTC) [mailto:Shane.McKenzie@ky.gov]
Sent: Monday, June 08, 2015 4:40 PM
To: Juva Barber
Subject: US 31W/KY 446 Study - Old Porter Pike to KY 957 (Plum Springs Loop) - Bowling Green, Warren County, Item No. NA

Ms. Juva Barber
Executive Director
Kentuckians for Better Transportation
9300 Shelbyville Road Ste 1204
Louisville KY 40222-5169

Subject: US 31W/KY 446 Study Old Porter Pike to KY 957 (Plum Springs Loop)- Bowling Green,
Warren County Item No. NA

Dear Ms. Barber:

We are requesting your agency's review and comments on a planning study to determine the need and potential impacts for a proposed highway project.

Please see letter and project information at:

https://www.dropbox.com/sh/bvipvmb16dckk4z/AABRsuCBIzspTuUP4_4OFW2Ta?dl=0

Additional project information is available at the KYTC's Your Turn website at:

<http://transportation.ky.gov/YourTurn/Pages/yourturn.aspx>

We ask that you identify specific issues or concerns of your agency that could affect the project development. You may send your responses by mail or complete

an electronic questionnaire at: <https://www.surveymonkey.com/s/US31WResourceAgencySurvey>

Kindly respond by Wednesday, July 8, 2015.

Please let me know if you have any questions or concerns.

Thank you,

Shane McKenzie, PE
Transportation Engineer I
Kentucky Transportation Cabinet
Division of Planning
200 Mero Street
Frankfort, KY 40622
P. 502.782.5070



United States Department of the Interior

FISH AND WILDLIFE SERVICE
Kentucky Ecological Services Field Office
330 West Broadway, Suite 265
Frankfort, Kentucky 40601
(502) 695-0468

June 12, 2015

RECEIVED

JUN 17 2015

Div. of Planning

Mr. Shane McKenzie
Kentucky Transportation Cabinet
200 Mero Street
Frankfort, KY 40622

Re: FWS 2015-B-0538; US 31W / KY 446 Study – Old Porter Pike to KY 957 (Plum Springs Loop); located in Warren County, Kentucky

Dear Mr. McKenzie:

Thank you for the opportunity to provide comments on the above-referenced project. The U.S. Fish and Wildlife Service (Service) has reviewed this proposed project and offers the following comments in accordance with the Endangered Species Act of 1973 (87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*) and the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661 *et seq.*). This is not a concurrence letter. Please read carefully, as further consultation with the Service may be required.

In accordance with the provisions of the Fish and Wildlife Coordination Act, the Service has reviewed the project with regards to the effects the proposed actions may have on wetlands and/or other jurisdictional waters. We recommend that project plans be developed to avoid impacting wetland areas and/or streams, and reserve the right to review any required federal or state permits at the time of public notice issuance. The U.S. Army Corps of Engineers should be contacted to assist you in determining if wetlands or other jurisdictional waters are present or if a permit is required.

In accordance to section 7 of the ESA, the Service must evaluate the potential for all the direct, indirect, and cumulative effects of a proposed project on federally listed species. This includes effects of any “interrelated actions” that are part of a larger action and depend on the larger action for their justification and “interdependent actions” that have no independent utility apart from the action under consideration. Please include information about all of the potential impacts associated with the proposed project, including those from interrelated or interdependent actions (*e.g.*; future developments, etc.) and future actions that are reasonably certain to occur as a result of the proposed project.

In order to assist you in determining if the proposed project has the potential to impact protected species we have searched our records for occurrences of listed species within the vicinity of the proposed project. Based upon the information provided to us and according to our databases, we believe that the following federally listed species have the potential to occur within the project vicinity:

Group	Species	Common name	Legal* Status
Mammals	<i>Myotis grisescens</i>	gray bat	E
	<i>Myotis sodalis</i>	Indiana bat	E
	<i>Myotis septentrionalis</i>	northern long-eared bat	T
Mussels	<i>Epioblasma o. obliquata</i>	purple catspaw pearlymussel	E
	<i>Pleurobema clava</i>	clubshell	E
	<i>Cyprogenia stegaria</i>	fanshell	E
	<i>Epioblasma torulosa rangiana</i>	Northern riffleshell	E
	<i>Plethobasus cooperianus</i>	orangefoot pimpleback	E
	<i>Lampsilis abrupta</i>	pink mucket	E
	<i>Obovaria retusa</i>	ring pink	E
	<i>Pleurobema plenum</i>	rough pigtoe	E
	<i>Plethobasus cyphus</i>	sheepnose	E
	<i>Quadrula cylindrica cylindrica</i>	rabbitsfoot	T
	<i>Epioblasma triquetra</i>	snuffbox	E
	<i>Cumberlandia monodonta</i>	spectaclecase	E
Plants	<i>Apios priceana</i>	Price's potato-bean	T

* Key to notations: E = Endangered, T = Threatened, P = Proposed, C = Candidate, CH = Critical Habitat

We must advise you that collection records available to the Service may not be all-inclusive. Our database is a compilation of collection records made available by various individuals and resource agencies. This information is seldom based on comprehensive surveys of all potential habitats and thus does not necessarily provide conclusive evidence that protected species are present or absent at a specific locality.

Gray bat

Gray bats roost, breed, rear young, and hibernate in caves year round. They migrate between summer and winter caves and will use transient or stopover caves along the way. Gray bats eat a variety of flying aquatic and terrestrial insects present along streams, rivers, and lakes. Low-flow streams produce an abundance of insects and are especially valuable to the gray bat as foraging habitat. For hibernation, the roost site must have an average temperature of 42 to 52 degrees F. Most of the caves used by gray bats for hibernation have deep vertical passages with large rooms that function as cold air traps. Summer caves must be warm, between 57 and 77 degrees F, or have small rooms or domes that can trap the body heat of roosting bats. Summer caves are normally located close to rivers or lakes where the bats feed. Gray bats have been known to fly as far as 12 miles from their colony to feed.

Because we have concerns relating to the gray bat on this project and due to the lack of occurrence information available on this species relative to the proposed project area, we have the following recommendations relative to gray bats.

- Based on the presence of numerous caves, rock shelters, and underground mines in Kentucky, we believe that it is reasonable to assume that other caves, rock shelters, and/or abandoned underground mines may occur within the project area, and, if they occur, they could provide winter/summer habitat for gray bats. Therefore, we would recommend that the project proponent survey the project area for caves, rock shelters,

and underground mines, identify any such habitats that may exist on-site, and avoid impacts to those sites pending an analysis of their suitability as gray bat habitat by this office.

- Sediment Best Management Practices (BMPs) should be utilized and maintained to minimize siltation of the streams located within and in the vicinity of the project area, as these streams represent potential foraging habitat for the gray bat.

Indiana bat

Northern long-eared bat

The proposed project is located in “potential habitat” for the Indiana bat and the northern long-eared bat. These two bat species winter in caves, rockshelters, abandoned underground mines, and other structures. During the summer they roost in trees and forage in and around forested habitat. In order to address the concerns and be in compliance with the ESA, we have the following recommendations relative to potential direct and/or indirect effects as a result of impacts to the habitats listed above:

- (1) Based on the presence of numerous caves, rock shelters, and underground mines in Kentucky, we believe that it is reasonable to assume that other caves, rock shelters, and/or abandoned underground mines may occur within the project area, and, if they occur, they could provide winter habitat for Indiana bats. Therefore, we recommend that the project proponent survey the project area for caves, rock shelters, and underground mines, identify any such habitats that may exist on-site, and avoid impacts to those sites pending an analysis of their suitability as Indiana bat habitat and/or northern long-eared bat by this office.
- (2) Both bat species utilize a wide array of forested habitats, including riparian forests, bottomlands, and uplands for both summer foraging and roosting habitat. Suitable roost trees are greater than 3 inches diameter at breast height (DBH), can be living or dead, and exhibit any of the following characteristics: exfoliating bark, cavities of dead and live trees, broken limbs, broken tops, cracks, and crevices.

To address potential impacts to Indiana bat or the northern long-eared bat summer roosting and foraging habitat, the following options are available:

- The project proponent can modify the proposed project to eliminate or reduce impacts to suitable habitat, thus avoiding impacts. A habitat assessment may be useful in determining if suitable summer roosting or foraging habitat is present in the action area of the proposed project.
- The project proponent can survey portions of the project area to determine the presence or likely absence of the species within the project area in an effort to determine if potential effects are likely. A qualified biologist who holds the appropriate collection permits must undertake such surveys in accordance with our most current survey guidance, which is available at the following link:

If any Indiana bats or northern long-eared bats are captured, we request written notification of such occurrence(s) and further coordination and consultation. Survey results cannot be used to support probable absence of a bat species that has already been identified as “known” habitat for that species.

- The project proponent can request formal section 7 consultation through the lead federal action agency associated with the proposed project. To request formal consultation, the project proponent would need to submit a Biological Assessment that describes the action and evaluates the effects of the action on the listed species in the project area. After formal consultation is initiated, the Service has 135 days to prepare a Biological Opinion that analyzes the effects of the action on the listed species and identifies actions to minimize those effects.
- The project proponent may provide the Service with additional information through the informal consultation process, prepared by a qualified biologist, that includes site-specific habitat information and a thorough effects analysis (direct, indirect, and cumulative) to support a “not likely to adversely affect” determination. The Service will review this and decide if there is enough supporting information to concur with the determination.
- The project proponent may choose to assume presence of the species in the project area and enter into a Conservation Memorandum of Agreement (MOA) with the Service to account for the incidental take of Indiana bats and/or northern long-eared bats. By entering into a Conservation MOA with the Service, Cooperators gain flexibility with regard to the removal of suitable. In exchange for this flexibility, the Cooperator provides recovery-focused conservation benefits to the species through the implementation of minimization and mitigation measures that are described in the Conservation Strategy for Forest-Dwelling Bats in the Commonwealth of Kentucky. The Conservation MOA process does not cover tree removal during the months of June and July without additional evaluation. For additional information about this option, please contact our office.

Federally listed mussels

Freshwater mussels are one of the most imperiled groups of animals in North America. Reservoir construction, siltation, channelization, and water pollution are all factors that have contributed to the decline of our native mussel populations. The runoff from urban areas has degraded the quality of water and the substrate of many streams. As filter feeders, mussels are sensitive to contaminants and function as indicators of problems with water quality. Several species of federally listed mussels are known to exist or have the potential to exist in the Barren River and Green River watersheds. The potential of the proposed project to impact federally listed mussel species, either directly or indirectly as a result of siltation/sedimentation and contamination, should be addressed when evaluating the effects the proposed project.

Price's potato-bean

Price's potato-bean may occur within the proposed project site. Price's potato-bean is a twining perennial vine in the legume family. It requires mesic (moderately moist) forests, and is often found in areas next to streams, usually associated with openings in the forest canopy. Small remnant populations persist on roadsides and power lines where light levels are high. The rarity of Price's potato-bean is primarily due to habitat destruction. If the proposed project(s) require alteration of habitat that coincides with the habitat required for this species, an on-site inspection or survey of the area should be conducted to determine if the listed species is present. Surveys and habitat assessments should be conducted by qualified personnel during the appropriate time of year during the plant's growing season. A survey for Price's potato-bean would not be necessary if sufficient site-specific information was available that showed that there is no potentially suitable habitat within the project area or its vicinity or the species would not be present within the project area or its vicinity due to site-specific factors.

Thank you again for your request. Your concern for the protection of endangered and threatened species is greatly appreciated. If you have any questions regarding the information that we have provided, please contact Jessi Miller at (502) 695-0468 extension 104.

Sincerely,

A handwritten signature in blue ink that reads "Virgil Lee Andrews, Jr." with a stylized flourish at the end.

Virgil Lee Andrews, Jr.
Field Supervisor

From: [Green, Ryan \(Education Cabinet\)](#)
To: [Hack, Elizabeth M \(Education Cabinet\)](#); [McKenzie, Shane \(KYTC\)](#)
Cc: [Zawacki, Thomas O \(Education Cabinet\)](#)
Subject: RE: US 31W/KY 446 Study - Old Porter Pike to KY 957 (Plum Springs Loop) - Bowling Green, Warren County, Item No. NA
Date: Monday, June 22, 2015 9:34:44 AM

Mr. McKenzie,

Cabinet Facility staff familiar with this location believe there will be no impact on our Cabinet location, which is some 4 to 5 miles from the proposed road improvement, and so therefore we have no comments to report and that there are no concerns we currently have for this proposed road improvement.

Thanks and let us know if you have any questions.
Ryan

From: Hack, Elizabeth M (Education Cabinet)
Sent: Thursday, June 18, 2015 8:56 AM
To: Green, Ryan (Education Cabinet)
Subject: FW: US 31W/KY 446 Study - Old Porter Pike to KY 957 (Plum Springs Loop) - Bowling Green, Warren County, Item No. NA

Another Transportation study – thanks

E

Elizabeth Hack
Executive Assistant
Office of the Secretary
502-564-0651
Elizabethm.hack@ky.gov

From: McKenzie, Shane (KYTC)
Sent: Monday, June 08, 2015 4:40 PM
To: Zawacki, Thomas O (Education Cabinet)
Subject: US 31W/KY 446 Study - Old Porter Pike to KY 957 (Plum Springs Loop) - Bowling Green, Warren County, Item No. NA

Dear Mr. Zawacki:

We are requesting your agency's review and comments on a planning study to determine the need and potential impacts for a proposed highway project.

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an electronic questionnaire at: <https://www.surveymonkey.com/s/US31WResourceAgencySurvey>

Kindly respond by Wednesday, July 8, 2015.

Please let me know if you have any questions or concerns.

Thank you,

Shane McKenzie, PE
Transportation Engineer I
Kentucky Transportation Cabinet
Division of Planning
200 Mero Street
Frankfort, KY 40622
P. 502.782.5070

ALBERT F. MIRUS, SR.
5310 SAINT GABRIEL LN.
LOUISVILLE, KY 40291-1612

June 18, 2015

Mr. John Moore, PE
Director of Planning

Dear Mr. Moore:

In reply to your letter of June 8, 2015, regarding
Subject: US 31W/KY 446 Study, please be advised that
on January 1, 2013, I resigned my position as the
Executive Consultant for Kentucky Household Goods
Carrier Association (KHGCA).

Considering my resignation, I cannot be of any
assistance to you on the subject matter.

Very truly yours,


Albert F. Mirus, Sr.

RECEIVED

JUN 22 2015

Dir. of Planning



**TOURISM, ARTS AND HERITAGE CABINET
KENTUCKY DEPARTMENT OF FISH & WILDLIFE RESOURCES**

Steven L. Beshear
Governor

#1 Sportsman's Lane
Frankfort, Kentucky 40601
Phone (502) 564-3400
1-800-858-1549
Fax (502) 564-0506
fw.ky.gov

Bob Stewart
Secretary

Gregory K. Johnson
Commissioner

18 June 2015

Kentucky Transportation Cabinet
Division of Planning
Attn: John W. Moore, PE
200 Mero Street, Frankfort, 5th Floor
Frankfort, KY 40622

RE: US 31 W / KY 446 Study
Old Porter Pike to KY 957 (Plum Springs Loop)
Bowling Green, Warren County
Item No. N/A

RECEIVED

JUN 22 2015

Div. of Planning

Dear Mr. Moore:

The Kentucky Department of Fish and Wildlife Resources (KDFWR) has received your request for information pertaining to the subject project and respectfully submits the following comments in regards to the subject project.

The federally-listed Ring Pink (*Obovaria retusa*), Fanshell (*Cyprogenia stegria*), Northern Riffleshell (*Epioblasma torulosa rangiana*), Rough Pigtoe (*Pleurobema plenum*), Rabbitsfoot (*Quadrula cylindrica cylindrica*), Clubshell (*Pleurobema clava*), Snuffbox (*Epioblasma triquetra*), Northern Long-eared bat (*Myotis septentrionalis*), Indiana bat (*Myotis sodalis*), and Gray bat (*Myotis grisescens*) are all known to occur within close proximity to the project site. The KDFWR asks that alternatives that reduce the amount of stream impacts and tree-clearing while accomplishing project goals be considered.

Also, the large concentration of karst features within and near the Bowling Green area are unique natural features. Alternatives that reduce impacts to these features should also be considered. To minimize impacts to the aquatic environment, the KDFWR recommends that erosion control measures be developed and implemented prior to construction to reduce siltation into waterways located within the project area. Such erosion control measures may include, but are not limited to silt fences, staked straw bales, brush barriers, sediment basins, and diversion ditches. Erosion control measures will need to be installed prior to construction and should be inspected and repaired regularly as needed.

I hope this information is helpful to you, and if you have questions or require additional information, please call me at (502) 564-7109 extension 4453.

Sincerely,

A handwritten signature in black ink, appearing to read "Dan Stoelb". The signature is fluid and cursive, with the first name "Dan" and last name "Stoelb" clearly distinguishable.

Dan Stoelb
Environmental Scientist

Cc: Environmental Section File

**Commonwealth of Kentucky
State Environmental Review Process
Transmittal**

DATE 6/8/2015

Project Number: SERO 2015 - 19

Scoping Document

TITLE: US 31W/KY 446 Study
Old Porter Pike to KY 957
Bowling Green, Warren County, KY

SPONSOR: Kentucky Transportation Cabinet

Comment Deadline: July 7, 2015

The Environmental and Public Protection Cabinet serves as the state clearinghouse for environmental reviews required by the National Environmental Protection Act. Comments received from your agency are forwarded with those of other state agencies' comments to the originating sponsor.

If your agency is unable to meet the comment deadline listed above, please contact Ron Price at (502) 564-2150 prior to the due date and suitable arrangements will be made.

Review Instructions:

Please review the enclosed document carefully, bearing in mind the quality of the statement and the impact of the project. If the document is the Final EIS, consider the response made to your own and other agencies' previous comments.

Retain a copy of this form for your own files and return one with your comments to

**Department for Environmental Protection
Commissioner's Office
Attn: Ron Price
300 Fair Oaks Lane
Frankfort, Kentucky 40601**

Response:

☒ Comments Attached ☐ No Comment ☐ Information Request

Name: Dan Stoelb Date: 6/18/2015

Agency: KY Dept. of Fish & Wildlife Resources Phone: 502-564-7109 ex. 4453

U.S. Department of
Homeland Security

United States
Coast Guard



Commander
Eighth Coast Guard District

1222 Spruce Street
St. Louis, MO 63103-2832
Staff Symbol: dwb
Phone: (314)269-2381
Fax: (314)269-2737
Email: rob.e.mccaskey@uscg.mil
www.uscg.mil/d8/westernriversbridges

16591.1
June 16, 2015

Shane McKenzie, P.E.
Transportation Engineer I
Kentucky Transportation Cabinet
Division of Planning
200 Mero Street
Frankfort, Kentucky 40622

RECEIVED

JUN 22 2015

Div. of Planning

Subj: US 31W, OLD PORTER PIKE, WARREN COUNTY, KENTUCKY

Dear Mr. McKenzie:

Please refer to your email dated June 8, 2015. The Coast Guard has no interest in this project as it does not cross a waterway over which the Coast Guard exercises jurisdiction. Therefore, a Coast Guard bridge permit is not required for this project.

We appreciate the opportunity to comment on the project.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric A. Washburn".

ERIC A. WASHBURN
Bridge Administrator, Western Rivers
By direction of the District Commander



1925 Old Main Street
Suite 2
Maysville, KY. 41056
Ph: 606-759-5570

To: John Moore, P.E.
KY Transportation Cabinet
Frankfort, Kentucky 40622

June 23, 2015

Re: US 31W / KY 446 Study
Old Porter Pike to KY 957 (Plum Springs Loop)
Bowling Green, Warren County
Item No. N/A

Mr. Moore,

I am not able to respond at this time to your request for soils information as the referenced attached exhibits were not included with your correspondence. Also, I was not able to access the web address given to obtain the project information. If soils information is needed, please forward maps of the sites or corridors on topographic maps or by the use of shape files to my e-mail address at steve.jacobs@ky.usda.gov.

If this office may be of additional assistance, please do not hesitate to contact my office in Maysville Ky. or contact the NRCS Soil Conservationist in Bowling Green at 1-270-843-1111 x3.

A handwritten signature in blue ink, appearing to read "Steve Jacobs", with a horizontal line extending to the right.

Steve Jacobs
Resource Soil Scientist, NRCS, Maysville, KY.

cc: Timothy Bartee, NRCS Soil Conservationist, Bowling Green, KY
David Gehring, Resource Soil Scientist, Owensboro, KY
Shane McKenzie, Division of Planning, Frankfort, KY (shane.mckenzie@ky.gov)



Received 6-19-15

Steven L. Beshear
Governor

TRANSPORTATION CABINET
Frankfort, Kentucky 40622
www.transportation.ky.gov/

Michael W. Hancock, P.E.
Secretary

June 8, 2015

Ms. Karen Woodrich
State Conservationist
U.S. Dept. of Agriculture, Natural Resources Conservation Service
771 Corporate Drive, Suite 210
Lexington, KY 40503

Dear Ms. Woodrich:

Subject: US 31W/KY 446 Study
Old Porter Pike to KY 957 (Plum Springs Loop)
Bowling Green, Warren County
Item No. N/A

We are requesting your agency's review and comments on a planning study to determine the need and potential impacts for a proposed highway project. The Kentucky Transportation Cabinet (KYTC) has assembled a study team to evaluate improvements along US 31W and KY 446 in Warren County within the subject limits mentioned above.

The draft purpose and need of this project is as follows:

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*

During this planning study, comments are solicited from federal, state, and local agencies, as well as other interested persons and the general public, in accordance with principles set forth in the National Environmental Policy Act (NEPA) of 1969. Other Transportation Cabinet offices or consultants working on behalf of the Transportation Cabinet may have contacted you seeking more detailed data or information to assist them in completing their environmental studies for this phase of the project.



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Ms. Woodrich
Page 2
June 8, 2015

The planning study includes a scoping process for the early identification of potential alternatives, environmental issues, and impacts related to the proposed project. As a part of this study, alternatives were examined and are shown as **Alternatives 1-4 in the attached exhibits**. Each alternative also includes additional improvement options that may be incorporated into each alternative to provide access or better mobility, and those are illustrated as Options A-D. As additional information becomes available through the study process, these alternatives are subject to change and are considered draft.

The following project information to assist in your review and comment is available at:

https://www.dropbox.com/sh/bvipvmb16dckk4z/AABRsuCBIZspTuUP4_4OFW2Ta?dl=0

- Study Area with Draft Purpose and Need Statement
- Study Area Issues and Concerns
- 2009-2013 Crash Data
- Alternative 1 – Reconstruct Existing Interchange
- Alternative 2 – “Green Tee” Intersection
- Alternative 3 – Four-way Intersection
- Alternative 4 – Roundabout
- Improvement Options
 - A - Access Management Control,
 - B - Closing of Plum Springs Loop Underpass,
 - C - Parker Avenue Realignment, and
 - D - Reconfiguration of Corvette Drive/Duntov Way

Additional project information is available at the KYTC’s Your Turn website at <http://transportation.ky.gov/YourTurn/Pages/yourturn.aspx>.

We believe that early identification of issues or concerns can potentially minimize negative impacts on alternatives as we move forward. In particular, we are asking that you provide the following information:

- Comments on the draft purpose and need for the project,
- Significant issues or concerns in the project area that may need to be addressed so that the project can be adequately scoped,
- Any conservation or development plans your agency or organization has ongoing or is aware of in the project area,

Ms. Woodrich

Page 3

June 8, 2015

- Locations of any known areas, issues, or resources within the project area that should be considered when developing alternatives so that the impacts can be minimized, mitigated, or avoided early in the process, and
- Any mitigation strategies that should be considered in the project development.

We ask that you identify specific issues or concerns of your agency that could affect the project development. You may send your responses by mail or complete an electronic questionnaire available at the following location:

<https://www.surveymonkey.com/s/US31WResourceAgencySurvey>

Please address all written correspondence to John W. Moore, PE, Director, Division of Planning, Kentucky Transportation Cabinet, 200 Mero Street, Frankfort, 5th Floor, Frankfort, KY 40622. Please include a return address on such correspondence. We respectfully ask that you provide us with your comments by July 8, 2015, to ensure timely progress in this planning effort.

We appreciate any input you can provide concerning this project. Please direct any questions or requests for additional information to Shane McKenzie of the Division of Planning at 502-782-5070 or by email at shane.mckenzie@ky.gov. Thank you in advance for your response.

Sincerely,



John W. Moore, PE
Director
Division of Planning

JWM/SM/BC

Enclosure

c/encl: Greg Meredith
Wes Watt
Jeff Moore
Joe Plunk
Jeremy Lukat
Annette Coffey



STEVEN L. BESHEAR
GOVERNOR

**TOURISM, ARTS AND HERITAGE CABINET
KENTUCKY HERITAGE COUNCIL**

BOB STEWART
SECRETARY

**THE STATE HISTORIC PRESERVATION OFFICE
300 WASHINGTON STREET
FRANKFORT, KENTUCKY 40601
PHONE (502) 564-7005
FAX (502) 564-5820
www.heritage.ky.gov**

**CRAIG A. POTTS
EXECUTIVE DIRECTOR AND
STATE HISTORIC PRESERVATION OFFICER**

June 22, 2015

Mr. John W. Moore, Division of Planning
Kentucky Transportation Cabinet
200 Mero Street
Frankfort, KY 40622

**Re: US 31W/ KY 446 Planning Study
Old Porter Pike to KY 957 (Plum Springs Loop)
Bowling Green, Warren County
Item No. N/A**

Dear Mr. Callahan:

Thank you for submitting the letter and planning documents for the above-listed proposed project, which we received on June 9, 2015. We understand that you would like preliminary comment on the planning study as part of your NEPA compliance process to determine the need and potential impacts for the proposed highway project. We are indeed concerned that the proposed undertaking will have impacts to historic resources, though the specific properties and the full scope and scale of those effects have not yet been determined. We understand that documentation regarding these resources and assessments of effects will be coordinated with our office as part of the Section 106 consultation process under the National Historic Preservation Act. We look forward to receiving that additional information and further coordination. If you have any questions please contact Amanda Kincaid of my staff at (502)564.7005 ext. 147.

Sincerely,

Craig A. Potts,
Executive Director and
State Historic Preservation Officer

CP: ak

cc: Shane McKenzie (KYTC Division of Planning)

RECEIVED

JUN 25 2015

Div. of Planning

United States Department of Agriculture



NRCS

Natural
Resources
Conservation
Service

1925 Old Main Street
Suite 2
Maysville, KY. 41056
Ph: 606-759-5570

To: John Moore, P.E.
KY Transportation Cabinet
Frankfort, Kentucky 40622

June 25, 2015

Re: US 31W (Louisville Road) Scoping Study
Old Porter Pike to KY 957, (Plum Spring Loop)
Bowling Green, Warren County, KY
Item No. N/A

RECEIVED

JUN 30 2015

Div. of Planning

Mr. Moore,

NRCS does not officially do environmental assessments for these types of projects, but only provides information on the soils and/or impact to farmland according to the criteria set forth in 1985 National Food Security Act Manual.

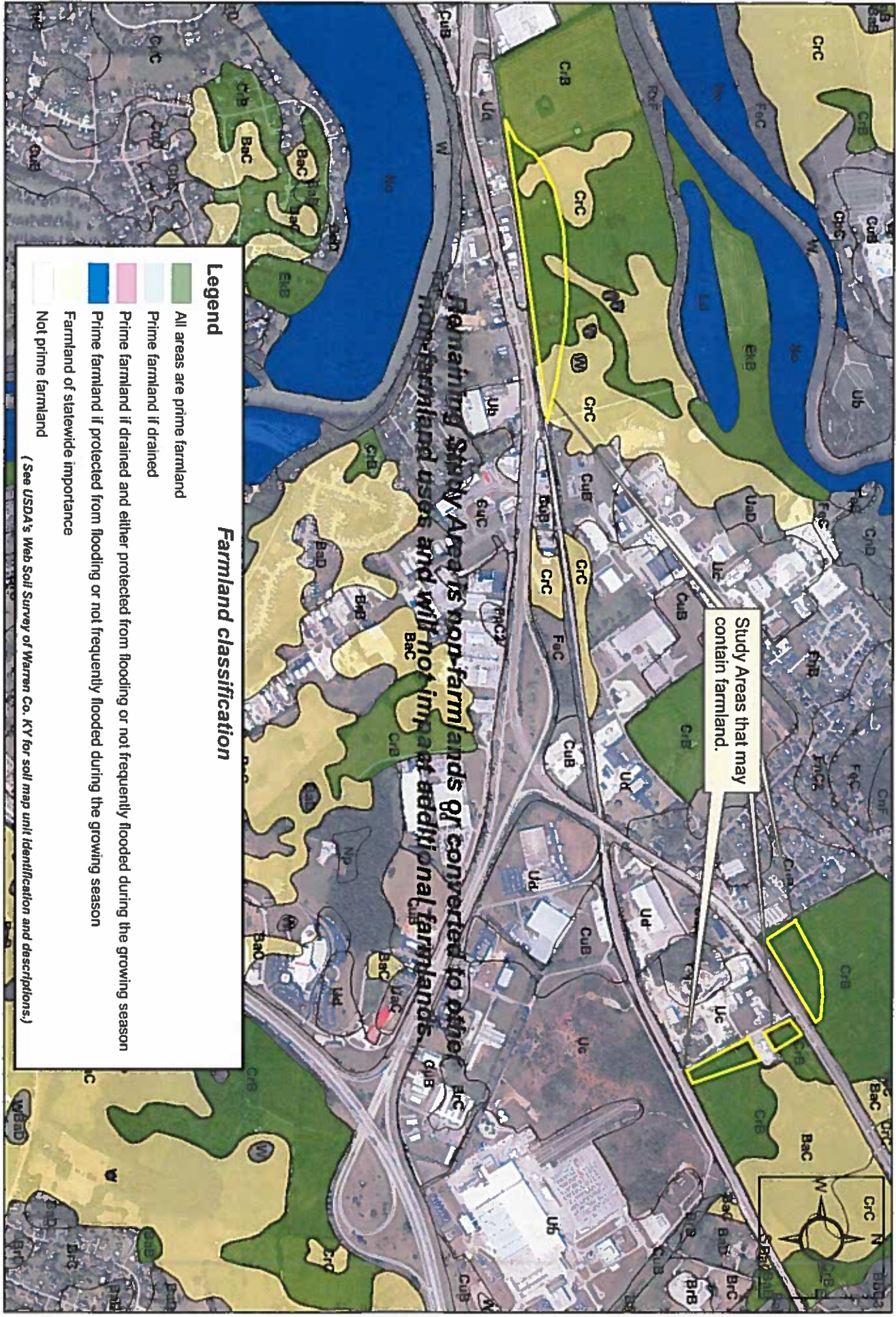
According to the information in your request, nearly the entire project area is within the urban area of the City of Bowling Green, KY and on existing right-a-ways or other previously disturbed areas that are considered as converted farmlands and not affecting additional prime farmland, unique, or statewide important farmlands. This has been stated on the attached NRCS aerial map for the Study Area.

The attached NRCS 2012 aerial map identifies the soil mapping units and their farmland classification for the Scoping Study Area. Note, there are four small areas, outlined in yellow on the attached NRCS map that may still be considered as farmland. Information on the soil mapping units identified and their soil descriptions is available on-line at USDA's Web Soil Survey for Warren County KY

If this office may be of additional assistance, please do not hesitate to contact my office in Maysville Ky. or contact the NRCS Service Center at 1-270-843-1111.

Steve Jacobs
Resource Soil Scientist, NRCS, Maysville, KY.
Email: steve.jacobs@ky.usda.gov

cc: Timothy Bartee, NRCS Supervisory Natural Resource Manager, Bowling Green, KY
David Gehring, Resource Soil Scientist, Owensboro, KY
Steve Blanford, NRCS State Soil scientist, Lexington, KY



United States Department of Agriculture



NRCS Natural
Resources
Conservation
Service

1925 Old Main Street
Suite 2
Maysville, KY. 41056
Ph: 606-759-5570

To: John Moore, P.E.
KY Transportation Cabinet
Frankfort, Kentucky 40622

June 23, 2015

Re: US 31W / KY 446 Study
Old Porter Pike to KY 957 (Plum Springs Loop)
Bowling Green, Warren County
Item No. N/A

Mr. Moore,

I am not able to respond at this time to your request for soils information as the referenced attached exhibits were not included with your correspondence. Also, I was not able to access the web address given to obtain the project information. If soils information is needed, please forward maps of the sites or corridors on topographic maps or by the use of shape files to my e-mail address at steve.jacobs@ky.usda.gov.

If this office may be of additional assistance, please do not hesitate to contact my office in Maysville Ky. or contact the NRCS Soil Conservationist in Bowling Green at 1-270-843-1111 x3.

Steve Jacobs
Resource Soil Scientist, NRCS, Maysville, KY.

cc: Timothy Bartee, NRCS Soil Conservationist, Bowling Green, KY
David Gehring, Resource Soil Scientist, Owensboro, KY
Shane McKenzie, Division of Planning, Frankfort, KY (shane.mckenzie@ky.gov)



Received 6-19-15

Steven L. Beshear
Governor

TRANSPORTATION CABINET
Frankfort, Kentucky 40622
www.transportation.ky.gov/

Michael W. Hancock, P.E.
Secretary

June 8, 2015

Ms. Karen Woodrich
State Conservationist
U.S. Dept. of Agriculture, Natural Resources Conservation Service
771 Corporate Drive, Suite 210
Lexington, KY 40503

Dear Ms. Woodrich:

Subject: US 31W/KY 446 Study
Old Porter Pike to KY 957 (Plum Springs Loop)
Bowling Green, Warren County
Item No. N/A

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An Equal Opportunity Employer M/F/D

The planning study includes a scoping process for the early identification of potential alternatives, environmental issues, and impacts related to the proposed project. As a part of this study, alternatives were examined and are shown as Alternatives 1-4 in the attached exhibits. Each alternative also includes additional improvement options that may be incorporated into each alternative to provide access or better mobility, and those are illustrated as Options A-D. As additional information becomes available through the study process, these alternatives are subject to change and are considered draft.

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- Any conservation or development plans your agency or organization has ongoing or is aware of in the project area,

Ms. Woodrich
Page 3
June 8, 2015

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<https://www.surveymonkey.com/s/US31WResourceAgencySurvey>

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We appreciate any input you can provide concerning this project. Please direct any questions or requests for additional information to Shane McKenzie of the Division of Planning at 502-782-5070 or by email at shane.mckenzie@ky.gov. Thank you in advance for your response.

Sincerely,



John W. Moore, PE
Director
Division of Planning

JWM/SM/BC

Enclosure

c/encl: Greg Meredith
Wes Watt
Jeff Moore
Joe Plunk
Jeremy Lukat
Annette Coffey

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.

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- Multiple traffic signals
- New development has led to access/driveway issues
- Growth has traffic and crashes on the rise

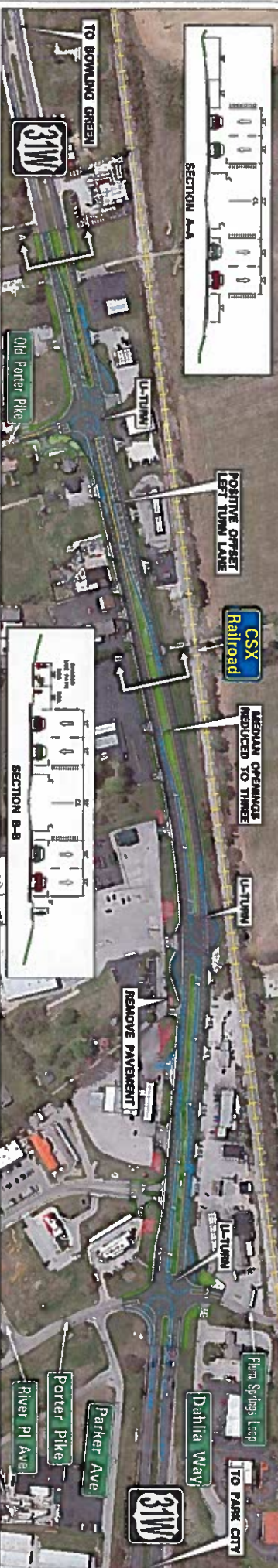




Study Area Issues and Concerns
US 31W (Louisville Road) KY 448 (Spur Road) Study
Old Porter Pike to KY 857 (Palm Springs Loop)
Warren County, KY

DRAFT

A - ACCESS MANAGEMENT CONTROL FROM OLD PORTER PIKE TO PORTER PIKE



B - PLUM SPRINGS LOOP UNDERPASS CLOSING



C - REALIGN PARKER AVENUE

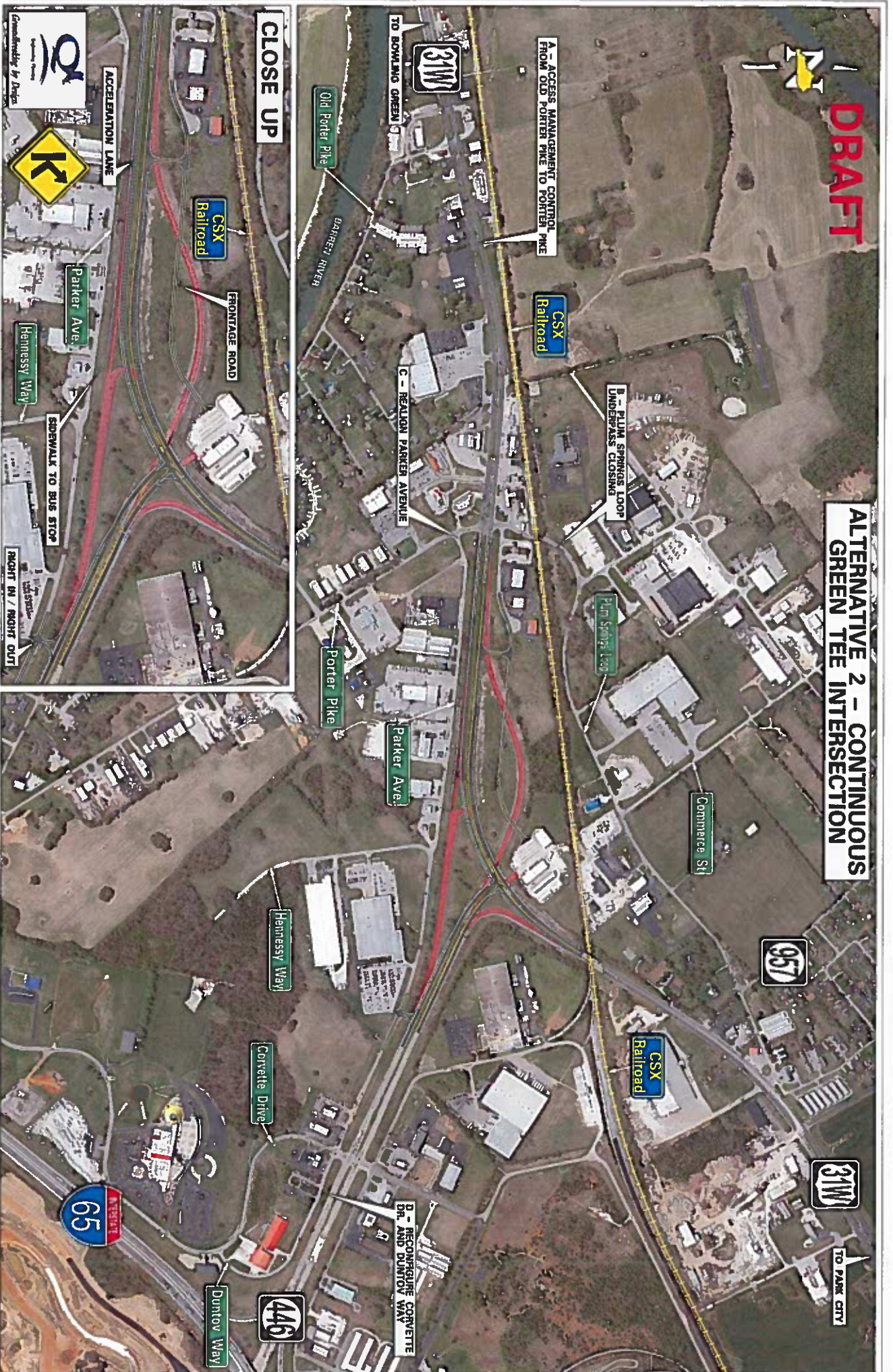


D - RECONFIGURE CORVETTE DR. AND DUNTOV WAY



DRAFT

**ALTERNATIVE 2 - CONTINUOUS
GREEN TEE INTERSECTION**

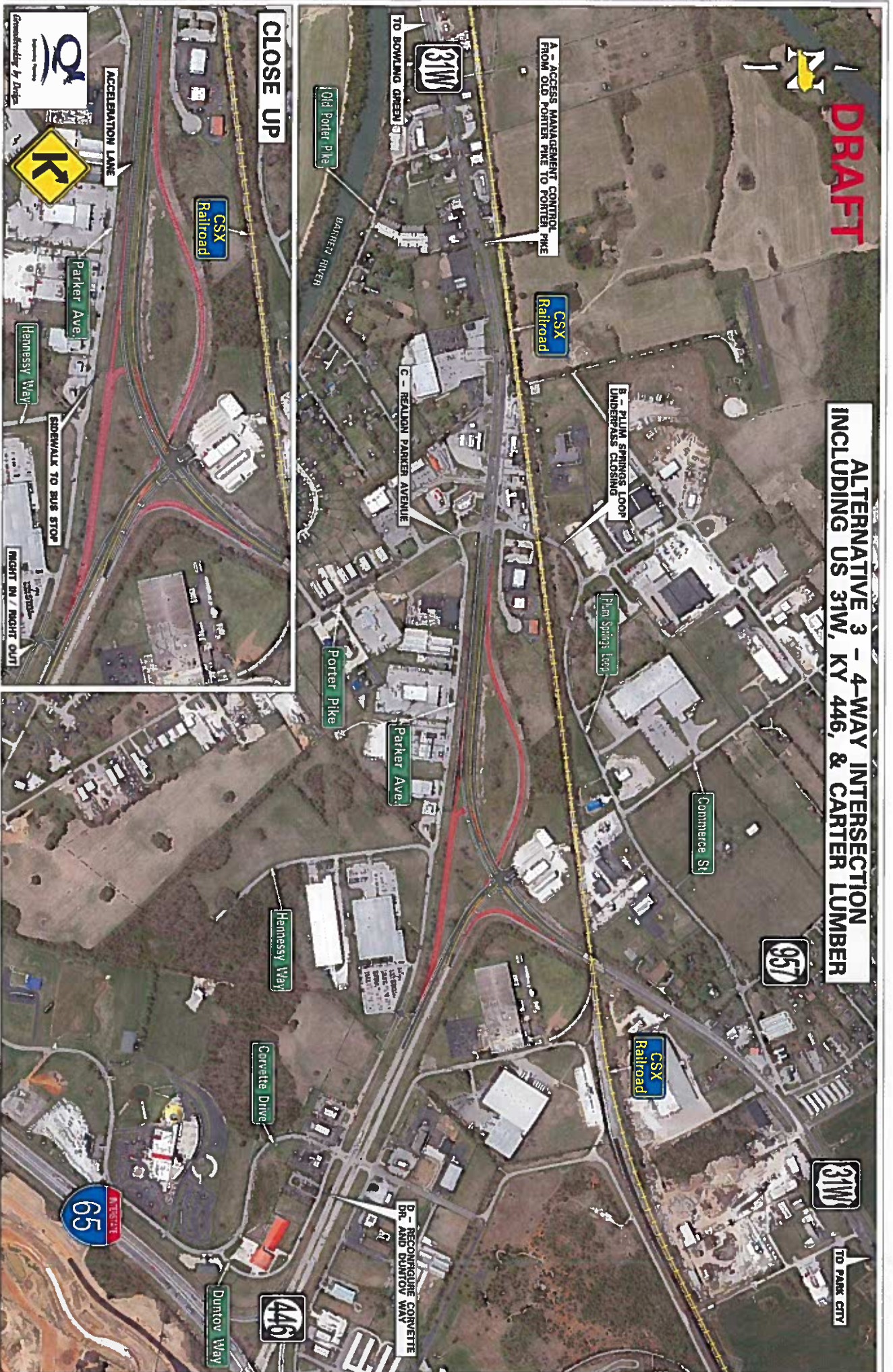


CLOSE UP



DRAFT

**ALTERNATIVE 3 - 4-WAY INTERSECTION
INCLUDING US 31W, KY 446, & CARTER LUMBER**

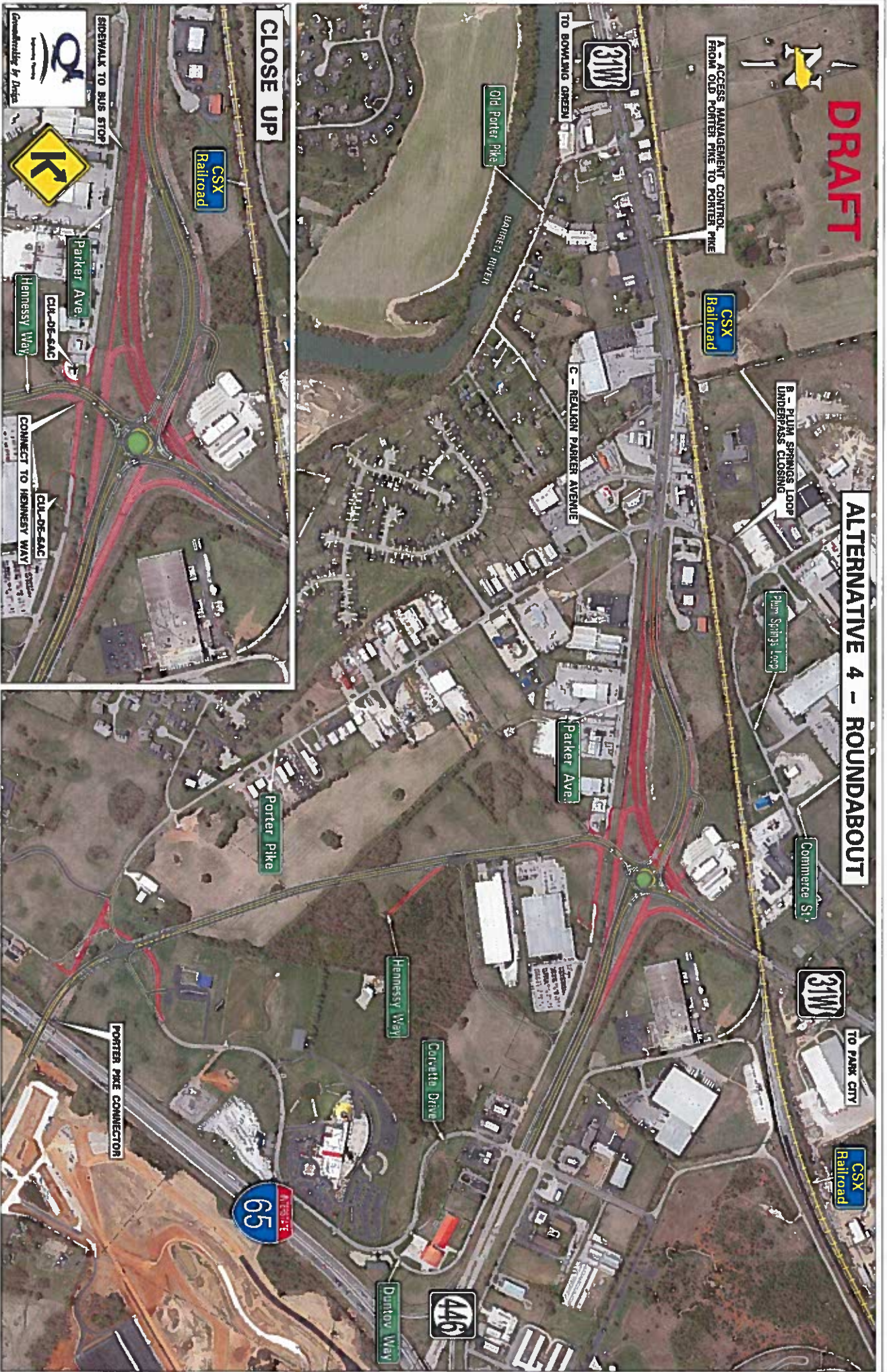


CLOSE UP



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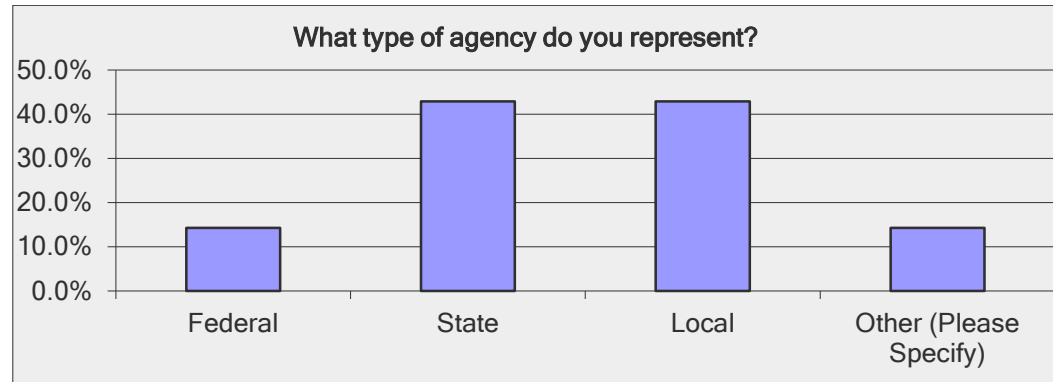
ALTERNATIVE 4 - ROUNDABOUT



APPENDIX M
RESOURCE AGENCY
COORDINATION
SURVEY SUMMARY

Resource Agency Survey for US 31 W / KY 446 Planning Study

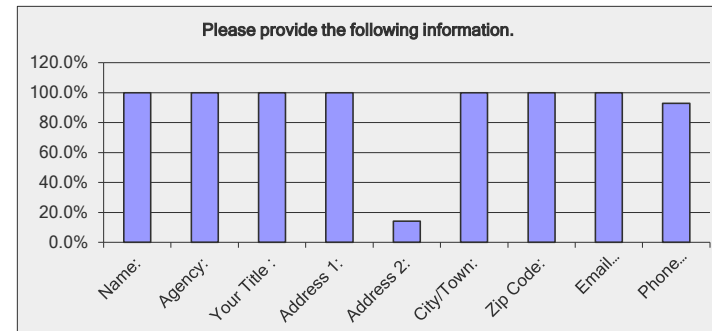
What type of agency do you represent?		
Answer Options	Response Percent	Response Count
Federal	14.3%	2
State	42.9%	6
Local	42.9%	6
Other (Please Specify)	14.3%	2
Other (please specify)		2
<i>answered question</i>		14
<i>skipped question</i>		0



#	Date	Other (please specify)
1	7-Jul-15	Membership Association
2	12-Jun-15	Regional

Resource Agency Survey for US 31 W / KY 446 Planning Study

Please provide the following information.		
Answer Options	Response Percent	Response Count
Name:	100.0%	14
Agency:	100.0%	14
Your Title :	100.0%	14
Address 1:	100.0%	14
Address 2:	14.3%	2
City/Town:	100.0%	14
Zip Code:	100.0%	14
Email Address:	100.0%	14
Phone Number:	92.9%	13
answered question		14
skipped question		0

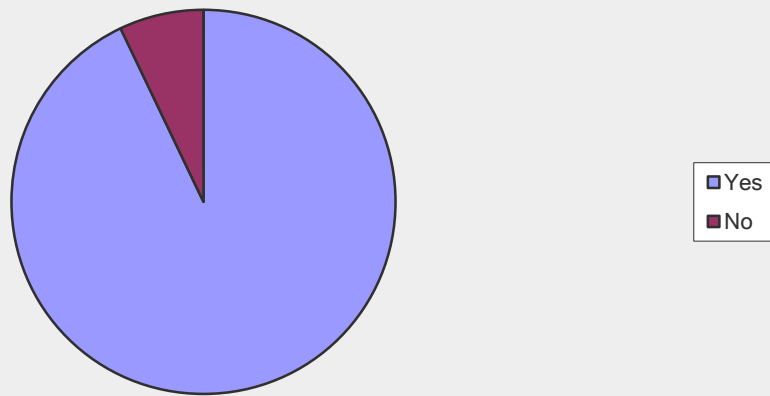


#	Date	Name:	Agency:	Your Title :	Address 1:	City/Town:	Zip Code:	Email Address:	Phone Number:
1	9-Jul-15	Sandra Frye	HUD	Regional Environmental Officer	40 Marietta St.	Atlanta	30005	sandra.l.frye@hud.gov	678-732-2727
2	8-Jul-15	Sara Hines	Kentucky State Nature Preserves Commission	Data Manager	801 Teton Trail	Frankfort	40601	sara.hines@ky.gov	502-573-2886
3	8-Jul-15	William T. Smith	Warren County Sheriff's Office	Chief Deputy	429 E. 10th Street	Bowling Green	42103	tsmith@wcsoky.net	270-842-1633
4	7-Jul-15	Tad Long	Kentucky League of Cities	Community Development Advisor	100 East Vine Street Ste 800	Lexington	40509	tlong@klc.org	1-800-876-4552
5	7-Jul-15	John Odom	Warren County Schools	Transportation Director	800 Brookwood Drive	Bowling Green	42101	john.odom@warren.kyschools.us	
6	6-Jul-15	Rachel Hetzler	City-County Planning Commission of Warren County, Kentucky	Planner III	1141 State Street	Bowling Green	42101	rachel.hetzler@bgky.org	(270) 842-1953
7	6-Jul-15	Pam Rice	FMCSA	Division Administrator	330 W Broadway Rm 124	Frankfort	40065	pamela.rice@dot.gov	502-223-6768
8	26-Jun-15	Tucker Carmichael	Kentucky State Police	Squad Sergeant	3119 Nashville Road	Bowling Green	42101	tucker.carmichael@ky.gov	2707822010
9	22-Jun-15	Ken Merideth	GO bg transit	Public Transit Coordinator	PO Box 90014	Bowling Green	42102-9014	kmerideth@casoky.org	270 782-3162
10	18-Jun-15	Dan	Stoelb	Environmental Scientist	#1 Sportsman's Lane	Frankfort	40383	daniel.stoelb@ky.gov	502-564-7109 ex. 4453
11	18-Jun-15	Kelly Anderson	Kentucky State Police CVE Division	Lieutenant	3545 Roger E. Shuup St	Louisville	40208	kelly.anderson@ky.gov	502-452-8983
12	12-Jun-15	Brittany Fisher	BRADD	Regional Transportation Planner	177 Graham Ave	Bowling Green	42101	bfisher@bradd.org	2707812381
13	11-Jun-15	Josh Moore	Warren County Fiscal Court	Public Works Director	1141 State Street, Suite 201	Bowling Green	42101	josh.moore@ky.gov	270-843-5360
14	9-Jun-15	Bruce Wilkerson	City of Bowling Green	Mayor	PO Box 430	Bowling Green	42103	bruce.wilkerson@bgky.org	270.392.0817

Resource Agency Survey for US 31 W / KY 446 Planning Study

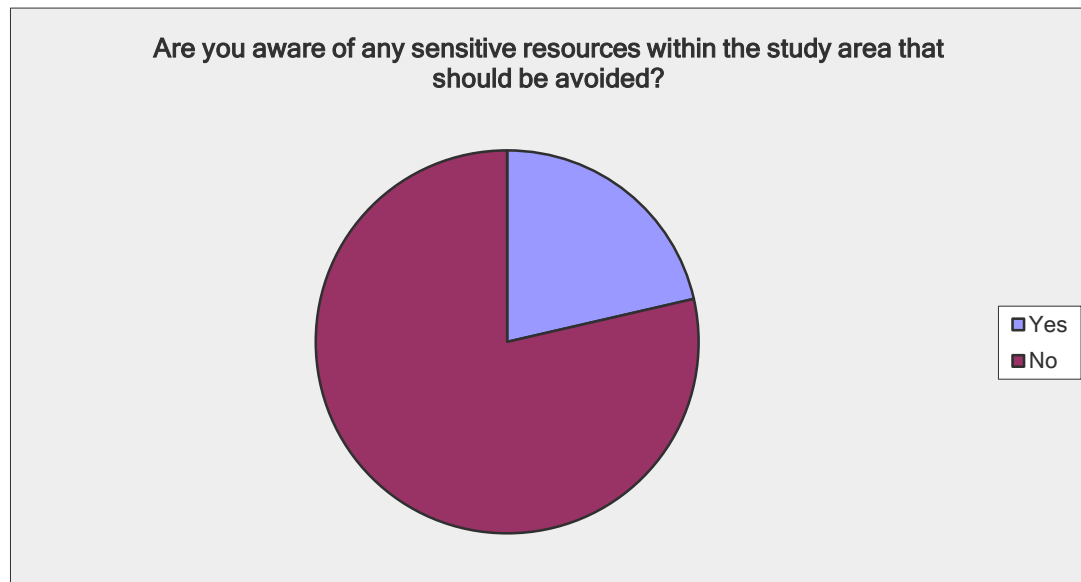
Have you reviewed the Draft Purpose and Need Statements and the project overview maps for the US 31 W / KY 446 Planning Study Project?		
Answer Options	Response Percent	Response Count
Yes	92.9%	13
No	7.1%	1
<i>answered question</i>		14
<i>skipped question</i>		0

Have you reviewed the Draft Purpose and Need Statements and the project overview maps for the US 31 W / KY 446 Planning Study Project?



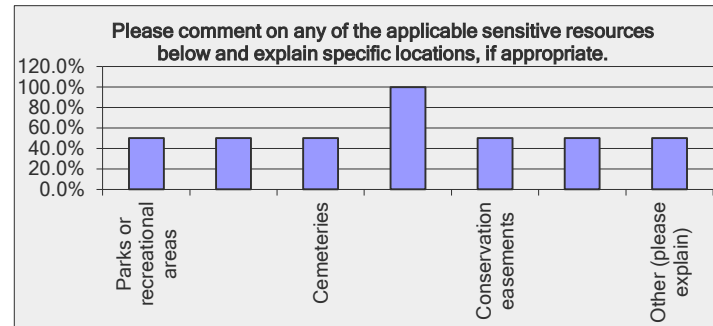
Resource Agency Survey for US 31 W / KY 446 Planning Study

Are you aware of any sensitive resources within the study area that should be avoided?		
Answer Options	Response Percent	Response Count
Yes	21.4%	3
No	78.6%	11
<i>answered question</i>		14
<i>skipped question</i>		0



Resource Agency Survey for US 31 W / KY 446 Planning Study

Please comment on any of the applicable sensitive resources below and explain specific locations, if appropriate.		
Answer Options	Response Percent	Response Count
Parks or recreational areas	50.0%	3
Historic or archaeological sites	50.0%	3
Cemeteries	50.0%	3
Natural Areas (springs, caves, etc.) or	100.0%	6
Conservation easements	50.0%	3
Waste sites or dumps	50.0%	3
Other (please explain)	50.0%	3
answered question		6
skipped question		8

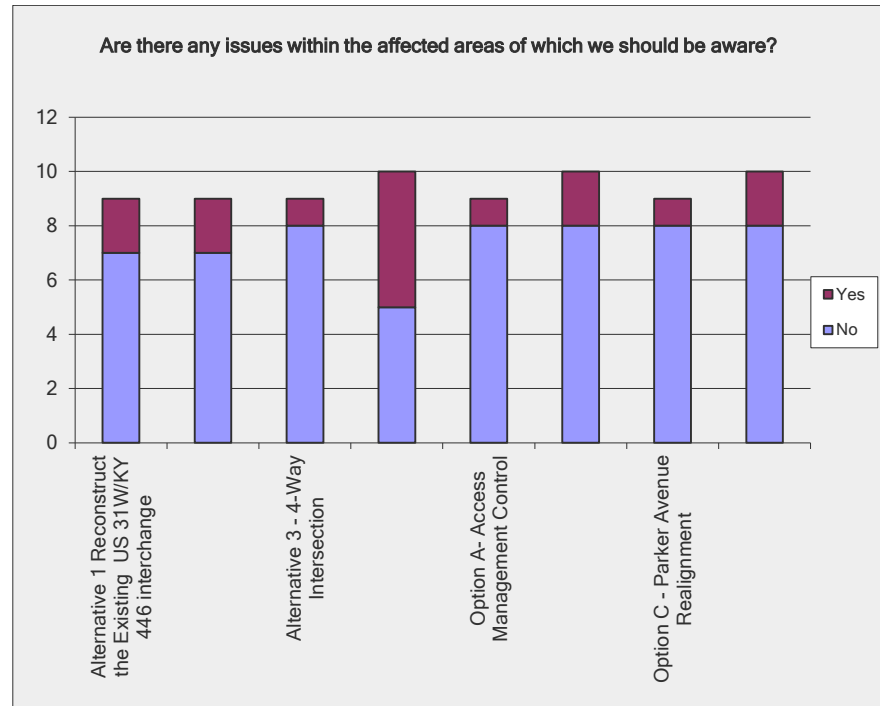


#	Date	Parks or recreational areas	Historic or archaeological sites	Cemeteries	Natural Areas (springs, caves, etc.) or wildlife habitat	Conservation easements	Waste sites or dumps	Other (please explain)
1	8-Jul-15				High karst area and caves with known sensitive aquatic resources and bats are within close proximity to this project.			Gray bat (possible maternity) in the area, aquatic species including Southern Cavefish, Mammoth Cave Crayfish, Eastern Hellbender and Bottlebrush Crayfish
2	8-Jul-15	Corvette Museum,	N/A	unknown	Numerous sinkholes in the area	unknown	unknown	N/A
3	6-Jul-15	no comments	no comments	no comments	no comments	no comments	no comments	
4	26-Jun-15	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	18-Jun-15				Known locations for federally-listed bat and mussel species.			
6	12-Jun-15				Previously identified sink holes			

Resource Agency Survey for US 31 W / KY 446 Planning Study

There are four (4) interchange alternatives under consideration for the study area (1 - modified interchange, 2 - "Green Tee" intersection 3 - Four-way intersection, 4-Roundabout). Each of these 4 interchange alternatives include 4 possible improvement options (A- Access Management Control from Old Porter Pike to Porter Pike, B - Closing of Plum Springs Underpass, C - Parker Avenue Realignment, and D - Reconfiguration of Corvette Drive/Duntov Way). Are there any issues within the affected areas of which we should be aware?

Answer Options	Yes	No	Response Count
Alternative 1 Reconstruct the Existing US 31W/KY 446	2	7	9
Alternative 2 Continuous "Green T" Intersection	2	7	9
Alternative 3 - 4-Way Intersection	1	8	9
Alternative 4 - Roundabout	5	5	10
Option A- Access Management Control	1	8	9
Option B - Closing of Plum Springs Underpass	2	8	10
Option C - Parker Avenue Realignment	1	8	9
Option D - Reconfiguration of Corvette Drive/Duntov Way	2	8	10
If you answered Yes to any question, please explain.			6
answered question			11
skipped question			3

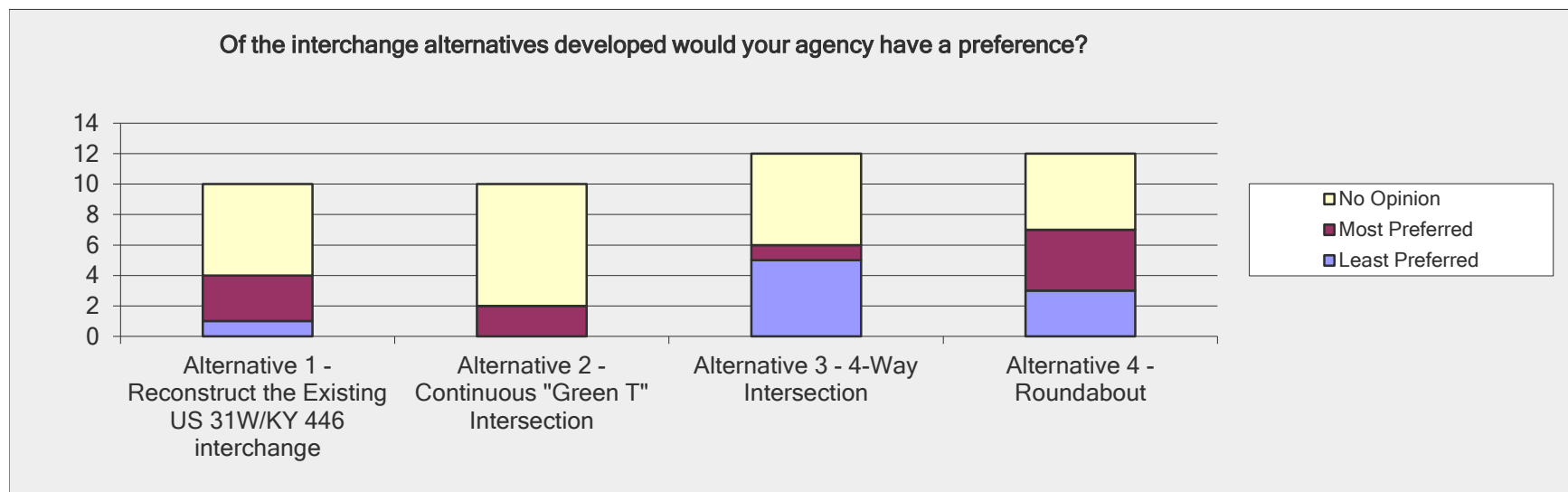


#	Date	If you answered Yes to any question, please explain.
1	8-Jul-15	Alternative 4. A lot of out of town traffic travels this area and they would be unfamiliar with the flow of traffic in a roundabout. I think it would cause a lot of collisions.
2	6-Jul-15	Within the project area, the GM plant has just received approval of a 547,000+ square foot expansion. Also, this area of the county (north) has recently showed signs of development (with approval of two new multi-family developments) on Louisville Road across from Bristow Elementary and on the recently realigned Bristow Road. These new developments will accommodate up to 250 additional dwelling units, as well as some additional commercial uses. Additionally, the MPO's MTP survey respondents praised the existing roundabout and encouraged more roundabouts in Bowling Green/Warren County. Heavy response was also given to an interest and desire for more bike lanes/bike friendly roadways.
3	26-Jun-15	N/A
4	18-Jun-15	In my opinion the sheer volume of traffic at peak hours would cause a greater risk of accidents if a roundabout is utilized.
5	12-Jun-15	Our agency is concerned with the closure of Plum Spring Loop, since we are located off of this road. The current underpass and intersection while constricted does not have many accidents. We see all of the tractor trailers, cement trucks, distribution trucks, dump trucks and molten aluminum trucks that traverse the underpass. If Plum Springs Loop underpass is closed there will effectively be one route for several industrial users out of the area. This also means emergency services only have one route in and out. The change would also lead to increased traffic at the relocated signal at new connector. There is stacking for four tractor trailers between 31W to Plum Springs Loop which we believe to be inadequate.
6	11-Jun-15	Coordination with plans for Fruit of the Loop's newly constructed access to spur and any future expansion; rather large sinkhole at end of Dahlia Court - drainage for the area will need to be addressed if filled;

Resource Agency Survey for US 31 W / KY 446 Planning Study

Of the interchange alternatives developed would your agency have a preference?				
Answer Options	No Opinion	Most Preferred	Least Preferred	Response Count
Alternative 1 - Reconstruct the Existing US	6	3	1	10
Alternative 2 - Continuous "Green T"	8	2	0	10
Alternative 3 - 4-Way Intersection	6	1	5	12
Alternative 4 - Roundabout	5	4	3	12
Comments				2
<i>answered question</i>				12
<i>skipped question</i>				2

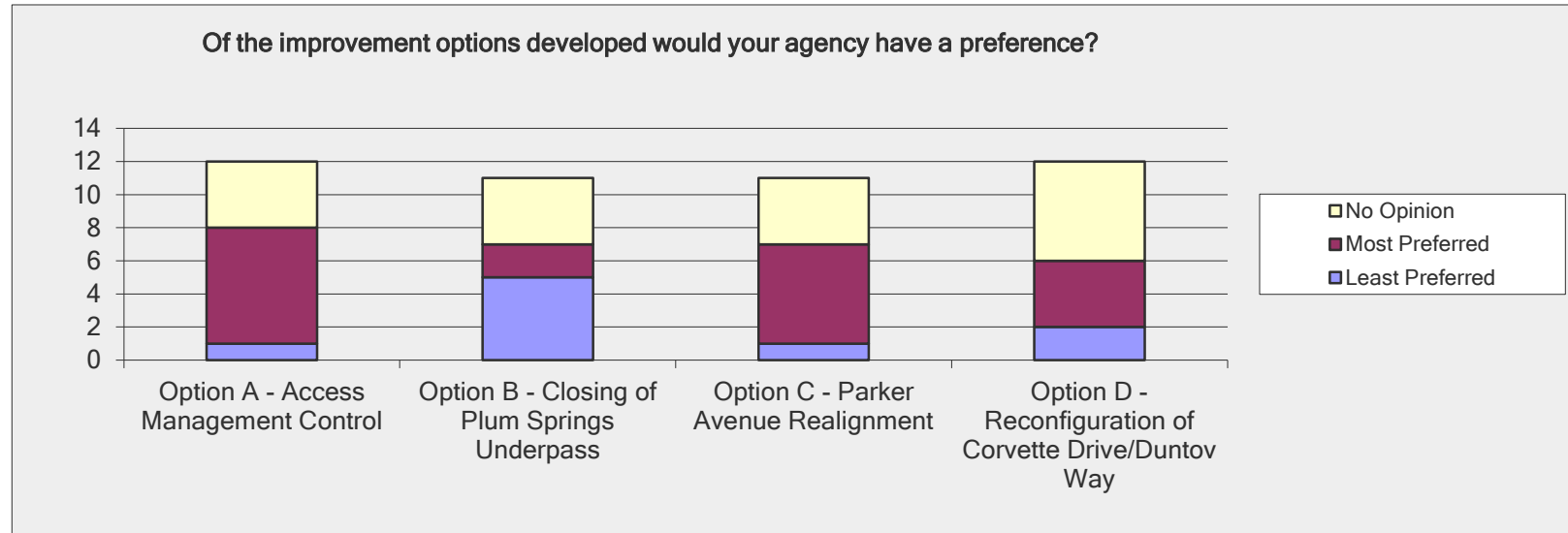
#	Date	Comments
1	18-Jun-15	4-way would cause a backup on the major roadways with lighter traffic roadways encountering pattern changes from those seeking to shorten wait time at peak hours
2	11-Jun-15	I tend to like the roundabout based on performance of University Drive and the Bypass; I feel the intersections will be safer however I would not want to "back up" traffic with stop conditions



Resource Agency Survey for US 31 W / KY 446 Planning Study

Of the improvement options developed would your agency have a preference?				
Answer Options	No Opinion	Most Preferred	Least Preferred	Response Count
Option A -	4	7	1	12
Option B -	4	2	5	11
Option C -	4	6	1	11
Option D -	6	4	2	12
Comments				2
<i>answered question</i>				12
<i>skipped question</i>				2

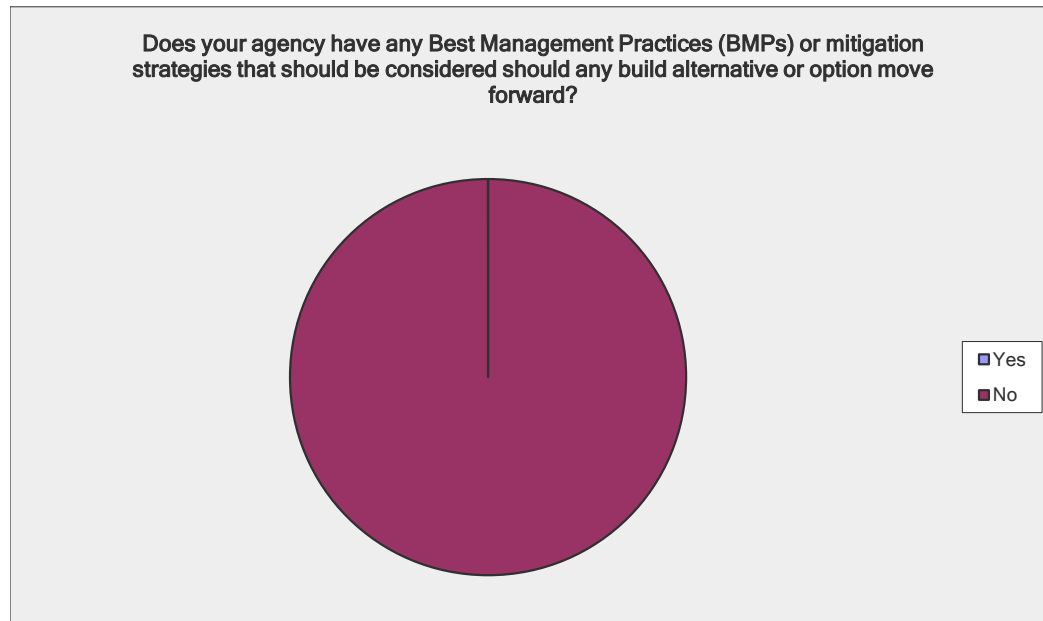
#	Date	Comments
1	6-Jul-15	With Option B, would the current light at the intersection of 31W/957 be removed and a new light substituted with the newly realigned intersection of 957 and 31W? If so, will Barren River Livestock Center's access point be moved to line up with the new intersection as well? If not, this could be a concern for people turning left out of the livestock center with no light.
2	18-Jun-15	The flow of traffic will need a viable route to exit if this underpass is closed



Resource Agency Survey for US 31 W / KY 446 Planning Study

Does your agency have any Best Management Practices (BMPs) or mitigation strategies that should be considered should any build alternative or option move forward?		
Answer Options	Response Percent	Response Count
Yes	0.0%	0
No	100.0%	12
Other (please specify)		2
<i>answered question</i>		12
<i>skipped question</i>		2

#	Date	Other (please specify)
1	7-Jul-15	As long as it is safe for our bues transporting students.
2	18-Jun-15	I suggest breaking these projects into individual projects to be completed at different times to have the least impact on daily traffic.



Resource Agency Survey for US 31 W / KY 446 Planning Study

Do you have any comments, concerns, or suggestions related to the US 31 W / KY 446 Planning Study that you would like to share with the Project Team?	
Answer Options	Response Count
	8
<i>answered question</i>	8
<i>skipped question</i>	6

Number	Date	Response Text
1	8-Jul-15	I just know that there needs to be some action taken. During the morning and evening hours this area is a bottleneck especially when the factories change shifts.
2	7-Jul-15	KLC has not conducted any studies or provided any assistance to the city of Bowling Green that involves this corridor. We defer to the judgment of the KTC, the mayor's office and the residents of Bowling Green to provide relevant community information and concerns. Thank you for including KLC in this project.
3	6-Jul-15	no comments
4	26-Jun-15	Alternative 4, the Roundabout, works well for a location similar to US 31W-Bypass and University Drive where much of the traffic is comprised of non-commercial vehicles. A roundabout at the proposed location would likely pose issues for the significant number of large commercial vehicles either entering or exiting I-65 via KY 446.
5	22-Jun-15	Concern of traffic backing up on 31W North bound to turn onto Plum Springs Loop if underpass is closed. Elevation Change, Curve, Overpass, and railroad bridge all impede sight distance and turn lane access as the road is now. Traffic is congested and backs up at peak periods now, will triple or more without underpass being an alternate route. Carter Lumber location does not warrant same priority as 31W in some designs.
6	18-Jun-15	This construction project is vast and covers many busy intersections. Having multiple construction projects open at the same time will cause traffic issues to say the least. Working at night or during off season times would benefit the tourist, citizens, and businesses in the area.
7	12-Jun-15	The industries off of Plum Springs Loop were not included in the initial survey before alternatives were created.
8	9-Jun-15	Having seen the improvement in vehicle management that the roundabout at US31W and University Blvd (US231X), it clearly is the best option. The other alternatives would go a long way to enhance the issues in the area. Thanks for asking for our input.