

Appendix E

Agency Coordination Correspondence



TRANSPORTATION CABINET

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

Steven L. Beshear
Governor

Michael W. Hancock, P.E.
Secretary

August 16, 2013

******Please see attached spreadsheet for recipients of the letter below******

Dear :

Subject: Planning Study
KY 1286 Corridor Improvement Study
McCracken County, Paducah, Kentucky
Item No. 1-153.00

We are requesting your agency's input and comments on a planning study to determine the need and potential impacts for a proposed highway project. The Kentucky Transportation Cabinet has assembled a study team to evaluate the roadway conditions, analyze the current and future traffic and propose recommendations.

This planning study includes a scoping process for the early identification of environmental issues and impacts related to the proposed project. We believe that early identification of issues or concerns can help us develop highway project alternates avoiding or minimizing negative impacts. The Project Team has identified a number of alternates with the help of Local Officials, Stakeholders, and Public by conducting meetings with them at various study stages.

We are requesting that you provide comments on the proposed improvement alternates and/or specific comments concerning the bulleted items below as they relate to the proposed improvement alternates.

- Comments on the 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,



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

We respectfully ask that you provide us with your comments by *August 30, 2013*, to ensure timely progress in this planning effort.

During the development of this planning study, comments will be 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. The Federal Highway Administration is partnering with us in these efforts.

We have enclosed the following project information for your review and comment:

- A draft statement of Study Purpose and Need
- Study Limits and Existing Roadway Information
- Average Daily Traffic and Level of Service
- Environmental Overview
- Study Area Map with the following alternatives:
 - Do Nothing Alternate
 - Spot Improvements A through F
 - Section 1 – Alternates 1A through 1H consider improving either the existing two-lane section of KY 1286 or widening to a three-lane section between US 45 and US 62. Alternates also include a new section tying into Lakeview Drive or utilizing Cumberland Avenue.
 - Section 2 – Alternates 2A through 2D consider improving either the existing two-lane section of KY 1286 or widening to a three-lane section between US 62 and New Holt Road. Alternates also include correcting two deficient horizontal curves.
 - Section 3 – Alternates 3A through 3F consider improving either the existing two-lane section of KY 1286 or widening to a three-lane section between New Holt Road and KY 998. Alternates also include correcting one deficient horizontal curve with two alignment options.
 - Section 4 – Alternates 4A and 4B consider improving either the existing two-lane section of KY 998 between KY 1286 and US 60 or widening to a three-lane section.

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August 16, 2013

We appreciate any input you can provide concerning this project. Please direct any comments, questions, or requests for additional information to *Tonya Higdon* of the Division of Planning at (502) 564-7183 or at *Tonya.Higdon@ky.gov*. Please address all written correspondence to Keith R. Damron, P.E., Director, Division of Planning, Kentucky Transportation Cabinet, 200 Mero Street 5th Floor, Frankfort, KY 40622.

Sincerely,



Keith R. Damron, P.E.
Director
Division of Planning

KRD/TMH/BC

Enclosures

c: Jose Sepulveda, FHWA w/encl
John Ballantyne, FHWA w/encl
Brad Johnson, CDM Smith
James LeFevre w/encl
Mike McGregor w/encl
Jessica Herring w/encl
Mark Hite w/encl
Ryan Griffith w/encl
Kevin Damron w/encl
David Waldner w/encl
Jeff Wolfe w/encl
Bart Asher w/encl
Donald Smith w/encl
Steve Ross

Calling Title	Letter Title	First Name	Last Name	Suffix	Title	Organization	Address1	Address2	City	State	Zip	Send
r.	Mr.	Phillip	Braden		District Office Manager	Memphis Airports District Office, Federal Aviation Administration	2862 Business Park Drive Building G		Memphis	TN	38118-1555	Y
	Sir and/or Madam					American Association of Truckers		P.O. Box 146	Benton	KY	42025	Y
r.	Mr.	Christopher	Masingill			Delta Regional Authority	236 Sharkey Avenue, Suite 400		Clarksdale	MS	38614	Y
r.	Mr.	Edward	Tonini		Adjutant General	Department of Military Affairs	Boone Nat'l Guard Ctr., 100 Minuteman Pky.		Frankfort	KY	40601	Y
s.	Ms.	Elaine	Walker		Commissioner	Department of Parks	500 Mero Street-10th Floor CPT		Frankfort	KY	40601	Y
r.	Mr.	David	Pollack		Director	Kentucky Archaeological Survey	1020-A Export Street		Lexington	KY	40506	Y
r.	Mr.	William	Straw		Regional Environmental Officer	Federal Emergency Management Agency, Region IV	3003 Chamblee Tucker Road		Atlanta	GA	30341	Y
r.	Mr.	David	Haydon		Chair	Kentuckians for Better Transportation	9300 Shelbyville Road Ste 1204		Louisville	KY	40222-5169	Y
r.	Mr.	Burt	Lauderdale		Executive Director	Kentuckians for The Commonwealth	105 Reams Street	P.O. Box 1450	London	KY	40743	Y
s.	Ms.	Audrey Tayse	Haynes		Secretary	Cabinet for Health and Family Services	275 East Main St., 5W-A		Frankfort	KY	40621	Y
r.	Mr.	John	Houlihan		Administrator	Kentucky Airport Zoning Commission	90 Airport Rd. Bldg 400	200 Mero Street	Frankfort	KY	40601	Y
r.	Mr.	Tommy	Turner		President	Kentucky Association of Counties	400 Englewood Dr.		Frankfort	KY	40601	Y
r.	Mr.	Lance	Allison		President	Kentucky Chamber of Commerce Executives, Inc.	464 Chenault Road		Frankfort	KY	40601	Y
r.	Mr.	James	Comer		Commissioner	Kentucky Department of Agriculture	32 Fountain Place		Frankfort	KY	40601	Y
r.	Mr.	R. Bruce	Scott		Commissioner	Kentucky Department for Environmental Protection	300 Fair Oaks Lane		Frankfort	KY	40601	Y
r.	Dr.	Jonathan	Gassett		Commissioner	Kentucky Department of Fish and Wildlife Resources	1 Sportsman's Lane		Frankfort	KY	40601	Y
r.	Mr.	Steve	Hohmann		Commissioner	Kentucky Department for Natural Resources	#2 Hudson Hollow		Frankfort	KY	40601	Y
r.	Mr.	Stephen A.	Coleman		Director	Kentucky Department of Nat'l. Resources, Division of Conservation	375 Versailles Road		Frankfort	KY	40601	Y
r.	Mr.	Rodney	Brewer		Commissioner	Kentucky Department of State Police	919 Versailles Road		Frankfort	KY	40601	Y
r.	Mr.	Billy	Ratliff		Director	Division of Mine Reclamation and Enforcement	# 2 Hudson Hollow		Frankfort	KY	40601	Y
r.	Mr.	John	Lyons		Director	Kentucky Division for Air Quality	200 Fair Oaks Ln, 1st Floor		Frankfort	KY	40601	Y
s.	Ms.	Leah W.	MacSwords		Director	Kentucky Division of Forestry	627 Comanche Trail		Frankfort	KY	40601	Y
. Colonel	Lt. Colonel	Keith	Peercy		Director	Kentucky Department of Vehicle Enforcement	919 Versailles Road		Frankfort	KY	40622	Y
r.	Mr.	Anthony	Halton		Director	DEP Division of Waste Management	200 Fair Oaks, 2nd Flr		Frankfort	KY	40601	Y
s.	Ms.	Sandy	Gruzesky		Director	DEP Division of Water	200 Fair Oaks, 4th Flr		Frankfort	KY	40601	Y
r.	Mr.	Larry	Hayes		Secretary	Kentucky Cabinet for Economic Development	Old Capitol Annex	300 West Broadway	Frankfort	KY	40601	Y
r.	Mr.	John	Bird		Executive Director	Kentucky Forward	464 Chenault Road		Frankfort	KY	40601	Y
r.	Mr.	Jim	Cobb		State Geologist & Director	Kentucky Geological Survey, University of Kentucky	228 Mining and Mineral Resources Bldg.		Lexington	KY	40506	Y
s.	Ms.	Lindy	Casebier		Acting Director	Kentucky Heritage Council	300 Washington Street		Frankfort	KY	40601	Y
r.	Mr.	Kent	Whitworth		Executive Director	Kentucky Historical Society	100 W. Broadway		Frankfort	KY	40601	Y
r.	Mr.	Hal	Goode		President/CEO	Kentucky Association for Economic Development	101 Burch Count		Frankfort	KY	40601	Y
r.	Mr.	Jonathan	Steiner		Executive Director/CEO	Kentucky League of Cities, Inc.	100 East Vine Street, Ste. 800		Lexington	KY	40507	Y
r.	Mr.	Jamie	Fiepke		President/CEO	Kentucky Motor Transport Association	617 Shelby Street		Frankfort	KY	40601	Y
r.	Mr.	Leonard	Peters		Secretary	Kentucky Energy and Environmental Cabinet	Capital Plaza Tower, 5th Floor		Frankfort	KY	40601	Y
r.	Mr.	Donald S.	Dott	, Jr.	Executive Director	Kentucky State Nature Preserves Commission	801 Schenkel Lane		Frankfort	KY	40601	Y
s.	Ms.	Vickie	Bourne		Executive Director	Kentucky Office of Transportation Delivery	Transportation Office Building, 3rd Floor	200 Mero Street	Frankfort	KY	40622	Y
r.	Mr.	Beecher	Hudson		CEO	Kentucky Public Transit Association	1134 S. Preston St		Louisville	KY	40203	Y
s.	Ms.	Laura	Cole		President/CEO	Kentucky Travel Industry Association	931 East Main Street		Frankfort	KY	40601	Y
r.	Mr.	Bob	Stewart		Secretary	Tourism, Arts and Heritage Cabinet	Capital Plaza Tower, 24th Floor	500 Mero Street	Frankfort	KY	40601	Y
r.	Mr.	Joseph	Meyer		Secretary	Kentucky Education and Workforce Development Cabinet	Capital Plaza Tower, 3rd Floor	500 Mero Street	Frankfort	KY	40601	Y
r.	Mr.	Jim	Aldrich		Director of Stream & Wetland Restoration	The Nature Conservancy - Kentucky Chapter	114 Woodland Avenue		Lexington	KY	40502	Y
r.	Mr.	Paul	Bergmann		Executive Director	Scenic Kentucky		P. O. Box 23317	Louisville	KY	40223-0317	Y
r.	Mr.	Heinz	Mueller		NEPA Team Leader	Environmental Programs Branch	US EPA, Region 4	61 Forsyth Street, SW	Atlanta	GA	30303	Y
s.	Ms.	Alice	Howell		Chapter Chair	Sierra Club	P.O. Box 1368		Lexington	KY	40588-1368	Y
s.	Ms.	Mary	Wilkes		Director and Regional Counsel	National Environmental Policy Act Implementation Section	Office of Enforcement Accountability, U.S. EPA Region 4	61 Forsyth St. SW	Atlanta	GA	30303	Y
s.	Ms.	Kelly	Sisario		Chief	Enforcement and Compliance Planning and Analysis Branch	Office of Enforcement Accountability, U.S. EPA Region 4	61 Forsyth St. SW	Atlanta	GA	30303	Y
s.	Ms.	Karen	Woodrich		State Conservationist	U.S. Dept. of Agriculture, Natural Resources Conservation Service	771 Corporate Drive, Suite 210		Lexington	KY	40503	Y
r.	Dr.	Pamela	Roshell		Regional Director	U.S. Dept. of Health & Human Serv., Region IV, Atlanta Federal Center	61 Forsyth Street, Room 5B95		Atlanta	GA	30303-8909	Y
r.	Mr.	Lee	Andrews		Field Supervisor	U.S. Fish & Wildlife Service, Kentucky Ecological Services Field Section	330 W. Broadway, Room 265		Frankfort	KY	40601	Y
r.	Mr.	Eric	Washburn		Bridge Administrator	United States Coast Guard, Eighth District Western Rivers Bridge Branch	1222 Spruce Street, Suite 2.102D		St. Louis	MO	63103	Y
ne Honorable	Senator	Rand	Paul		United States Senator	United States Senate	208 Russell Senate Office Building		Washington	DC	20510	Y
ne Honorable	Senator	Mitch	McConnell		United States Senator	United States Senate	317 Russell Senate Office Building		Washington	DC	20510	Y
r.	Mr.	Greg	Pritchett		Chairman	Kentucky Association of Riverports, Henderson County Riverport	6200 Riverport Rd.		Henderson	KY	42420	Y
r.	Mr.	David	Dale		Deputy District Engineer	U. S. Army Corps of Engineers, Louisville District	P.O. Box. 59.CELRL-PA		Louisville	KY	40201	Y
olonel	Colonel	Vernie	Reichling Jr		District Commander	U. S. Army Corps of Engineers, Memphis District	167 N. Main Street, Room B-202		Memphis	TN	38103-1894	Y
ne Honorable	Congressman	Ed	Whitfield		United States Representative - District 1	U. S. House of Representatives	2184 Rayburn House Office Building		Washington	DC	20515	Y
s.	Ms.	Krista	Mills		Field Office Director	U.S. Department of Housing & Urban Development, KY Louisville Field Office	601 West Broadway, Room 110		Louisville	KY	40202	Y

PROJECT PURPOSE & NEED

What is it? A project's Purpose and Need provides the supporting facts that form the foundation of the project. It describes the problems that the project should address. It clearly defines what the project should accomplish. The Purpose and Need Statement guides the alternative development and evaluation processes.

The Purpose of the proposed KY 1286/KY 998 project is to improve safety and traffic operations along this route between US 45 and US 60.

The Need for the proposed KY 1286/KY 998 project is demonstrated by a variety of facts:

SAFETY- RELATED:

Vehicle crashes appear more frequently than on similar type facilities.

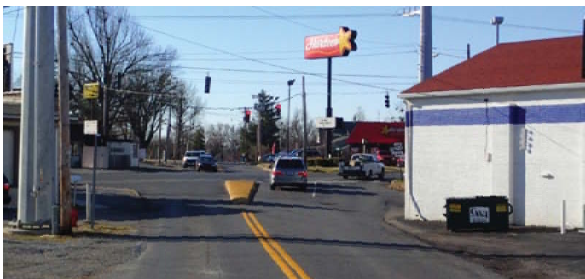
- The 1.36-mile segment of KY 1286 between US 45 and US 62 has a critical rate factor (CRF) of 1.80, indicating crashes are occurring too often to be attributed to random circumstances.
- Seven 1/10-mile long spots along the 3.87-mile long corridor exhibit a CRF greater than 1.0.
- The highest crash spot, at the Seneca Lane intersection, has a CRF of 4.86.
- The most common type of crashes are rear end collisions, which are common along high volume roadways that experience stop-and-go conditions. The high number of access points also contribute to this trend.

The existing geometry along KY 1286 compromises the safety and operational characteristics along the roadway.

- Substandard cross section: 10-11 foot lanes with no shoulder do not meet current guidelines.
- Sharp curves: 5 horizontal curves do not meet radius requirement.
- Sight distance: 1 deficient sag vertical curve limits headlight sight distance (how far ahead drivers can see at night).

TRAFFIC-RELATED:

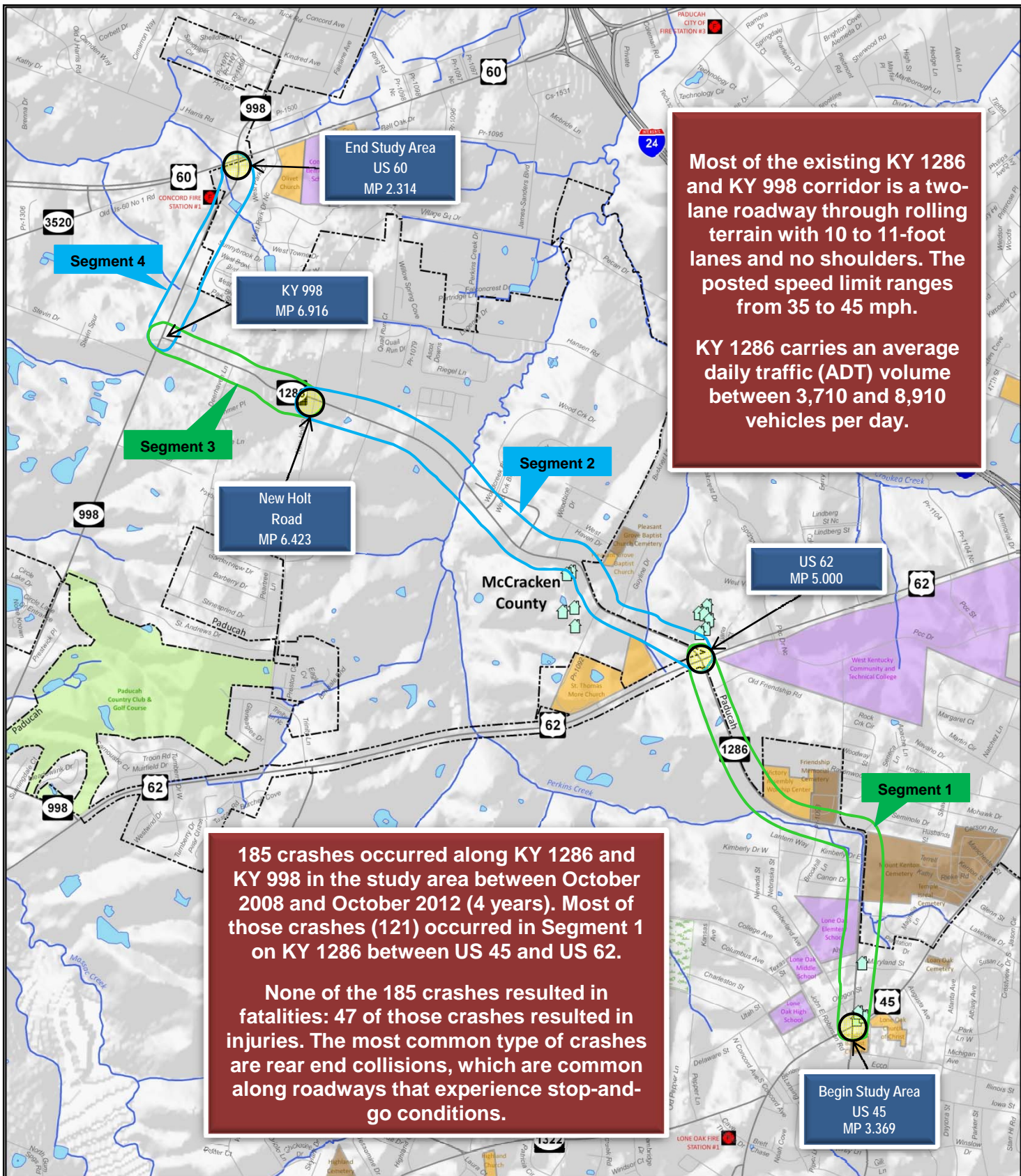
- Existing (2013) traffic volumes along the corridor range from 4,910-8,910 vehicles per day.
- KY 1286 & KY 998 are used as a cut through route between US 45, US 62 and US 60 and provides access to Kentucky Oaks Mall and a number of other commercial establishments adjacent to US 60, near New Holt Road.
- The future Consolidated McCracken County High School will also be located along the US 60 corridor west of KY 998. Some school traffic will use the study corridor.



Other Goals for the Project:

The project should also minimize impacts to the human and natural environment, accommodate bicyclists and pedestrians where appropriate, ensure any improvement can handle traffic from other planned improvements (like the Consolidated High School and Paducah Outer Loop), and have a consistent design speed.





Most of the existing KY 1286 and KY 998 corridor is a two-lane roadway through rolling terrain with 10 to 11-foot lanes and no shoulders. The posted speed limit ranges from 35 to 45 mph.

KY 1286 carries an average daily traffic (ADT) volume between 3,710 and 8,910 vehicles per day.

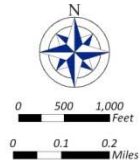
185 crashes occurred along KY 1286 and KY 998 in the study area between October 2008 and October 2012 (4 years). Most of those crashes (121) occurred in Segment 1 on KY 1286 between US 45 and US 62.

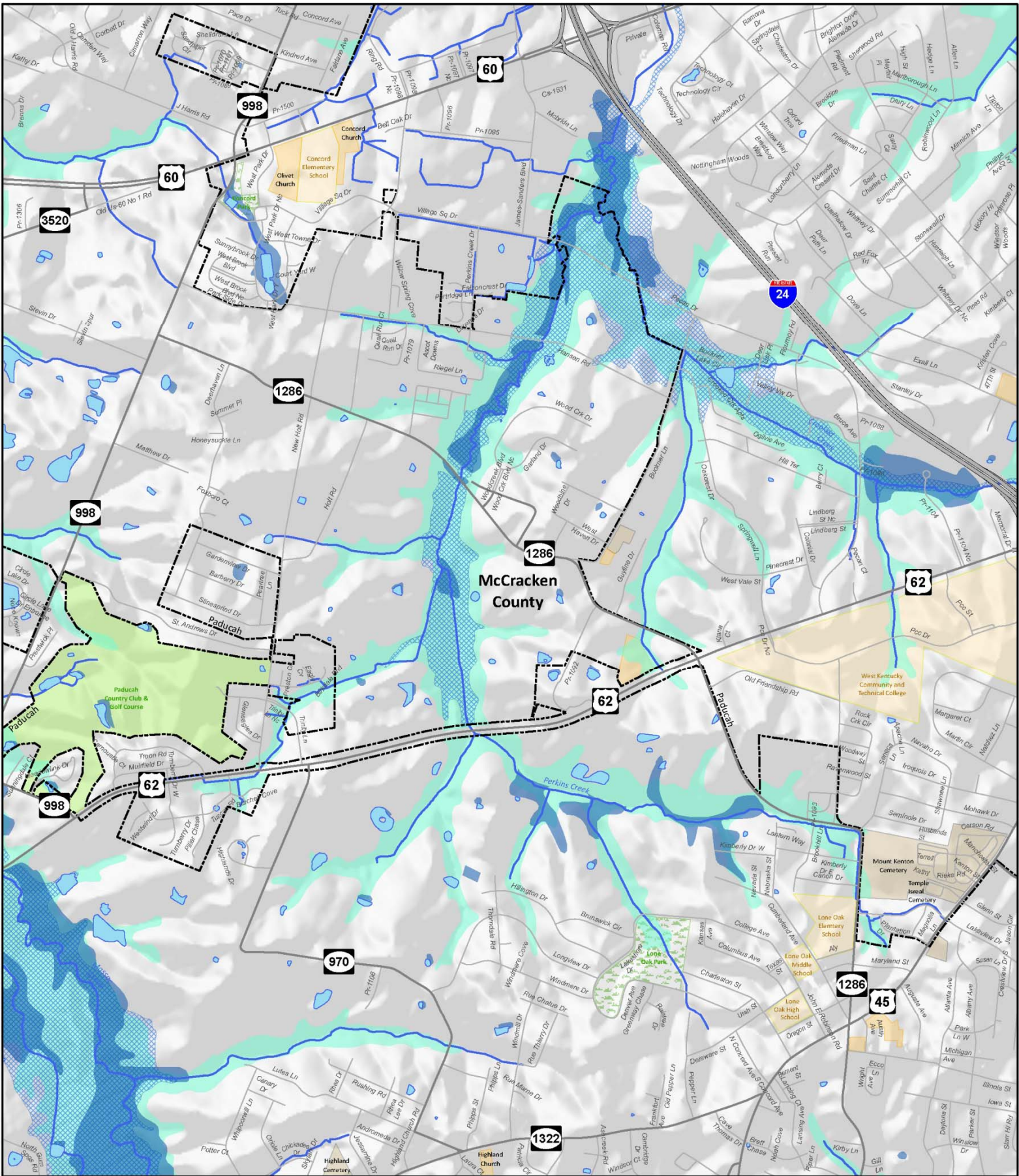
None of the 185 crashes resulted in fatalities: 47 of those crashes resulted in injuries. The most common type of crashes are rear end collisions, which are common along roadways that experience stop-and-go conditions.

- Fire Department
- Potentially Historic Properties
- Signalized Intersections

- Church
- Cemetery
- Schools
- Local Parks
- Country Clubs/Golf Courses

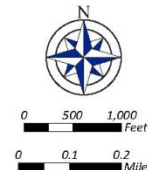
Study Area
 KY 1286/KY 998 Planning Study
 McCracken County, KY
 (KYTC Item No. 1-153)

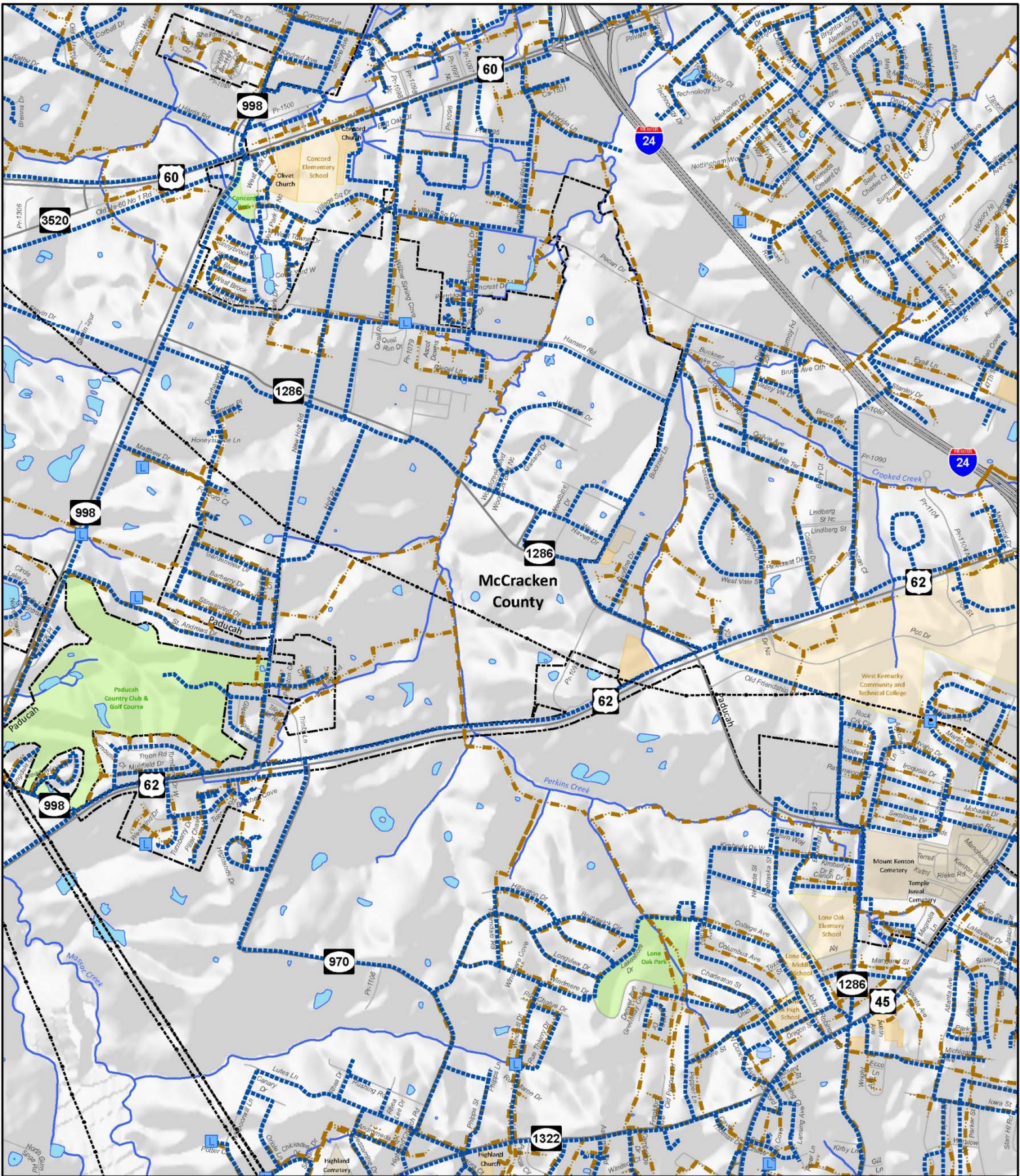










- Flooding Frequency
 - Occasional
- Floodplain Classification
 - AE
- Wetland
- Pond/Lake
- Stream

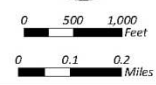
KY 1286/KY 998 Planning Study
 Environmental Features
 Water Resources

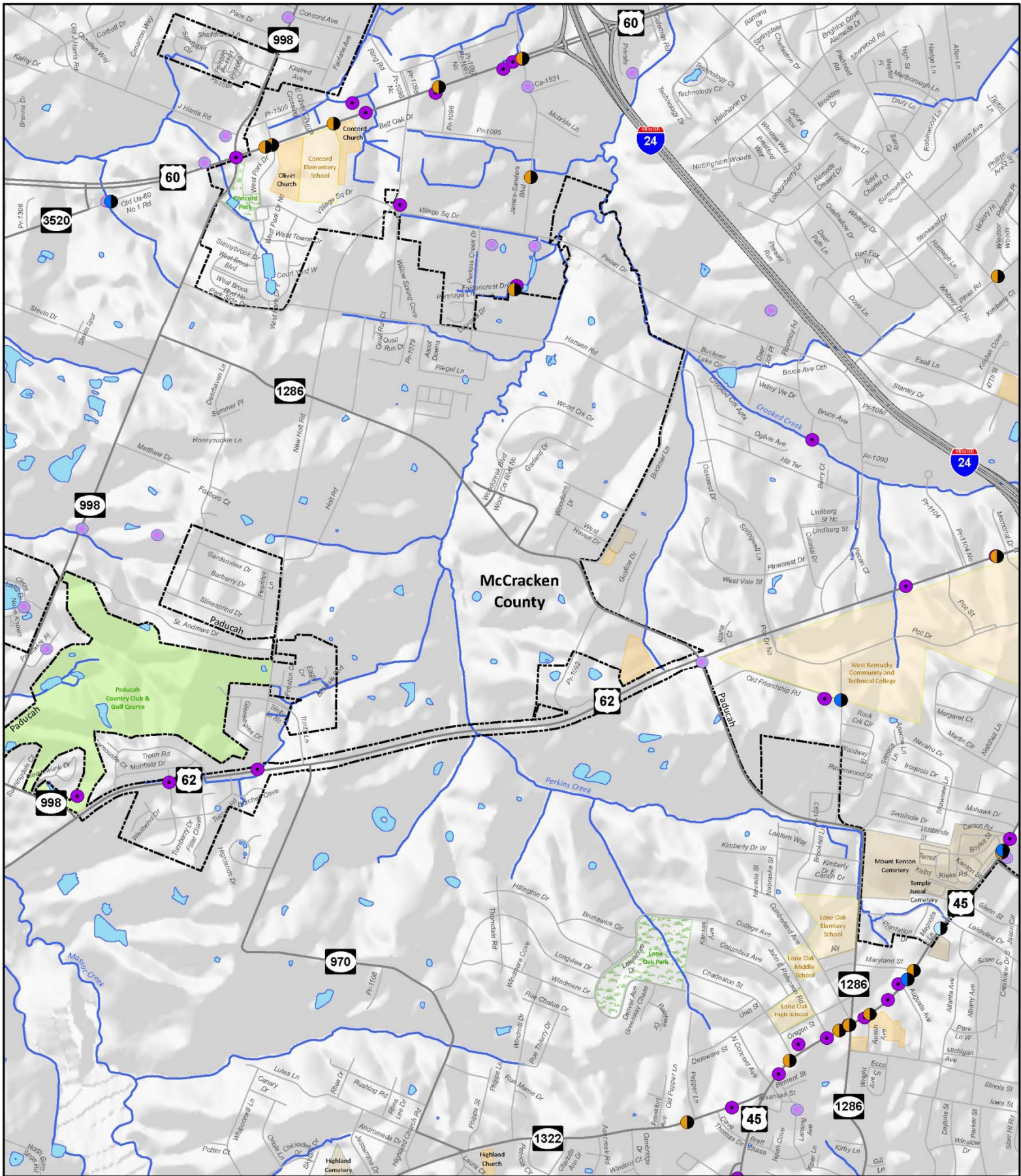









-  Water Tank
-  Lift Station
-  Water Line
-  Sewer Line
-  Electric Transmission Line
-  Electric Transmission Tower

KY 1286/KY 998 Planning Study
 Environmental Features
 Utilities





-  EPA Site [AIRS-AFS] Air Emissions
-  EPA Site [PCS] Water Discharger
-  EPA Site [RCRA] Hazardous Waste
-  Underground Storage Tank [UST]
-  Permitted Facility

KY 1286/KY 998 Planning Study

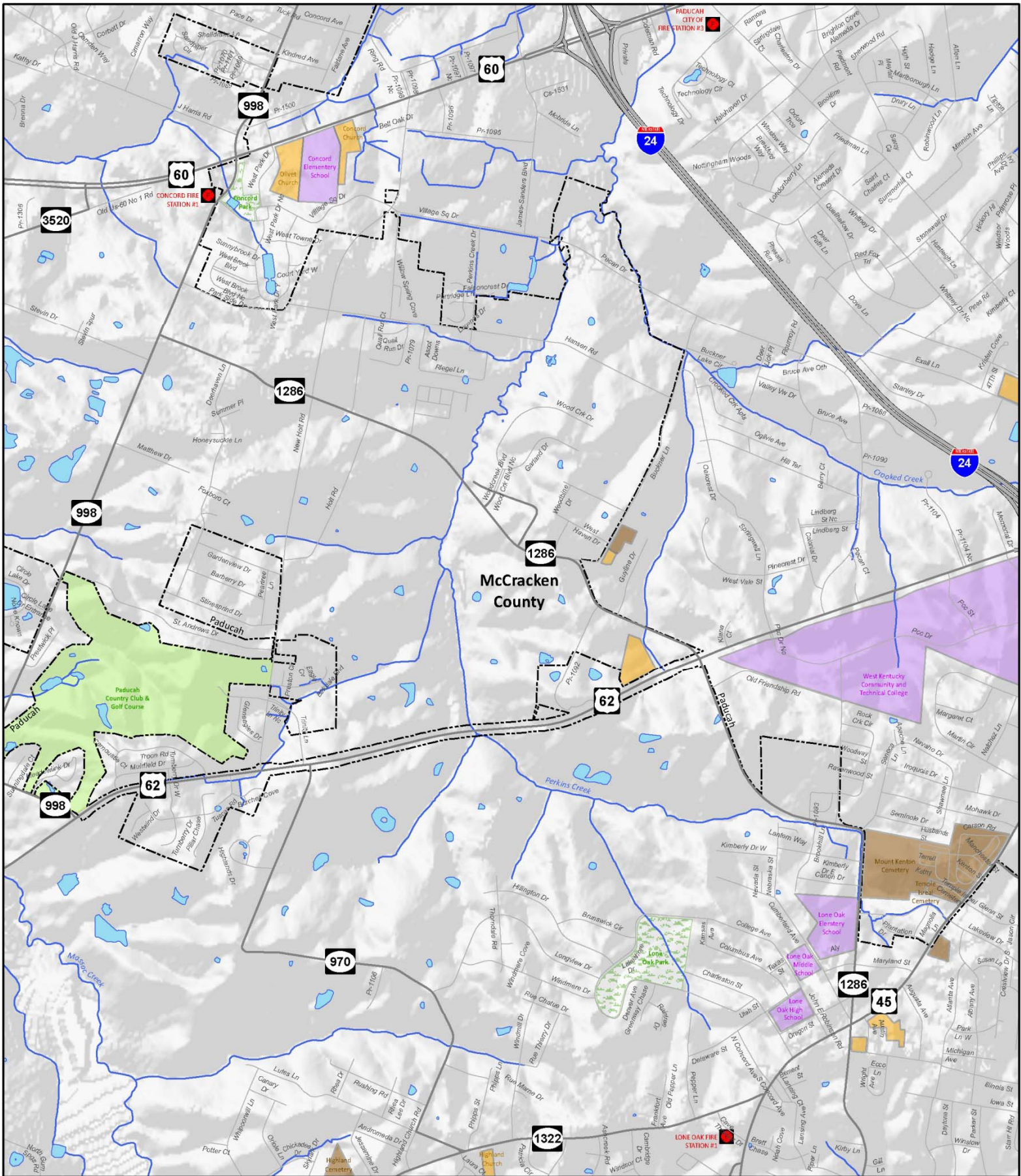
Environmental Features
Monitored Sites



0 500 1,000
Feet

0 0.1 0.2
Miles

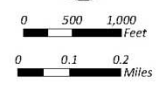


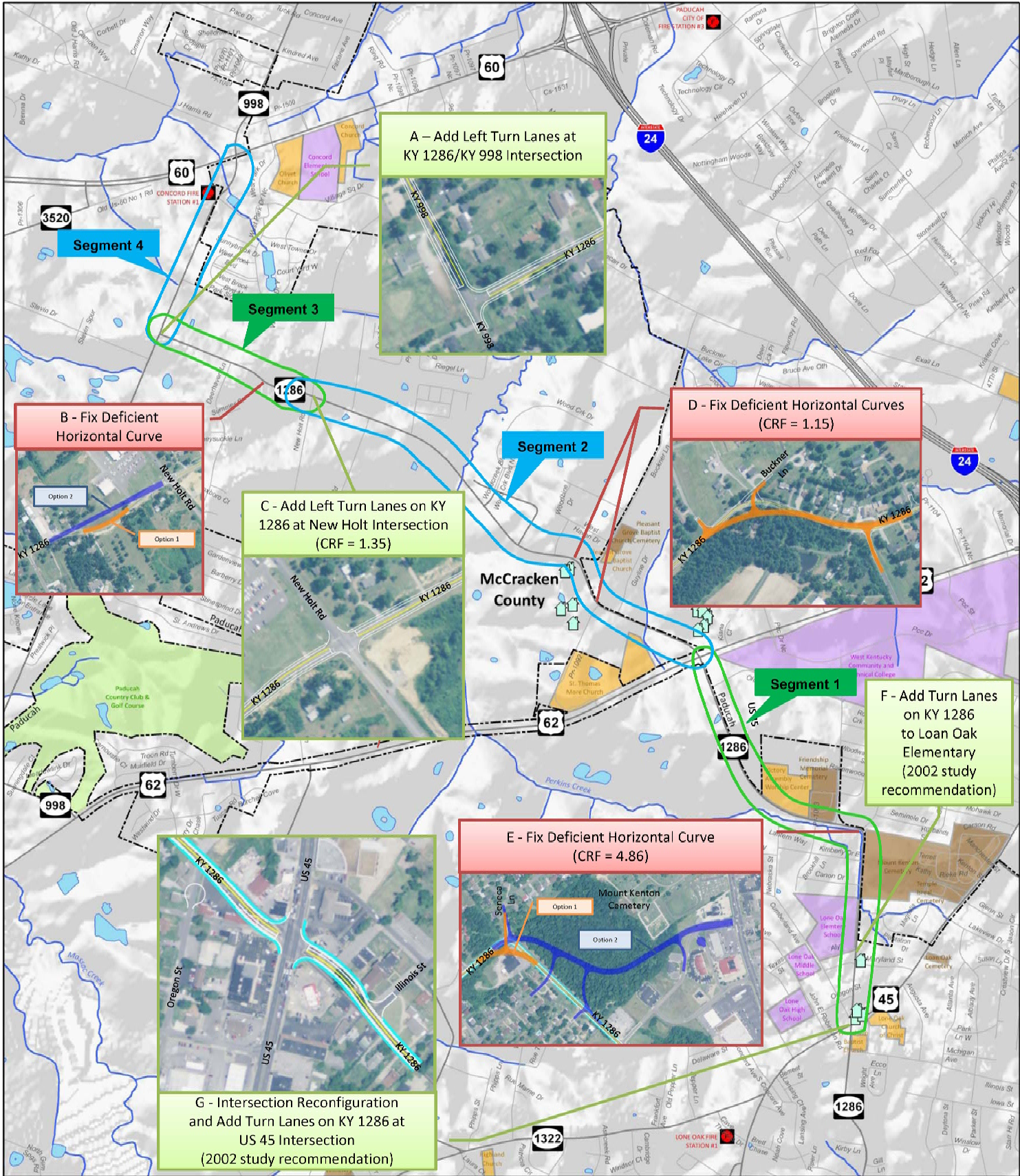


- Fire Department
- Church
- Cemetery
- Schools
- Local Parks
- Country Clubs/Golf Courses

KY 1286/KY 998 Planning Study

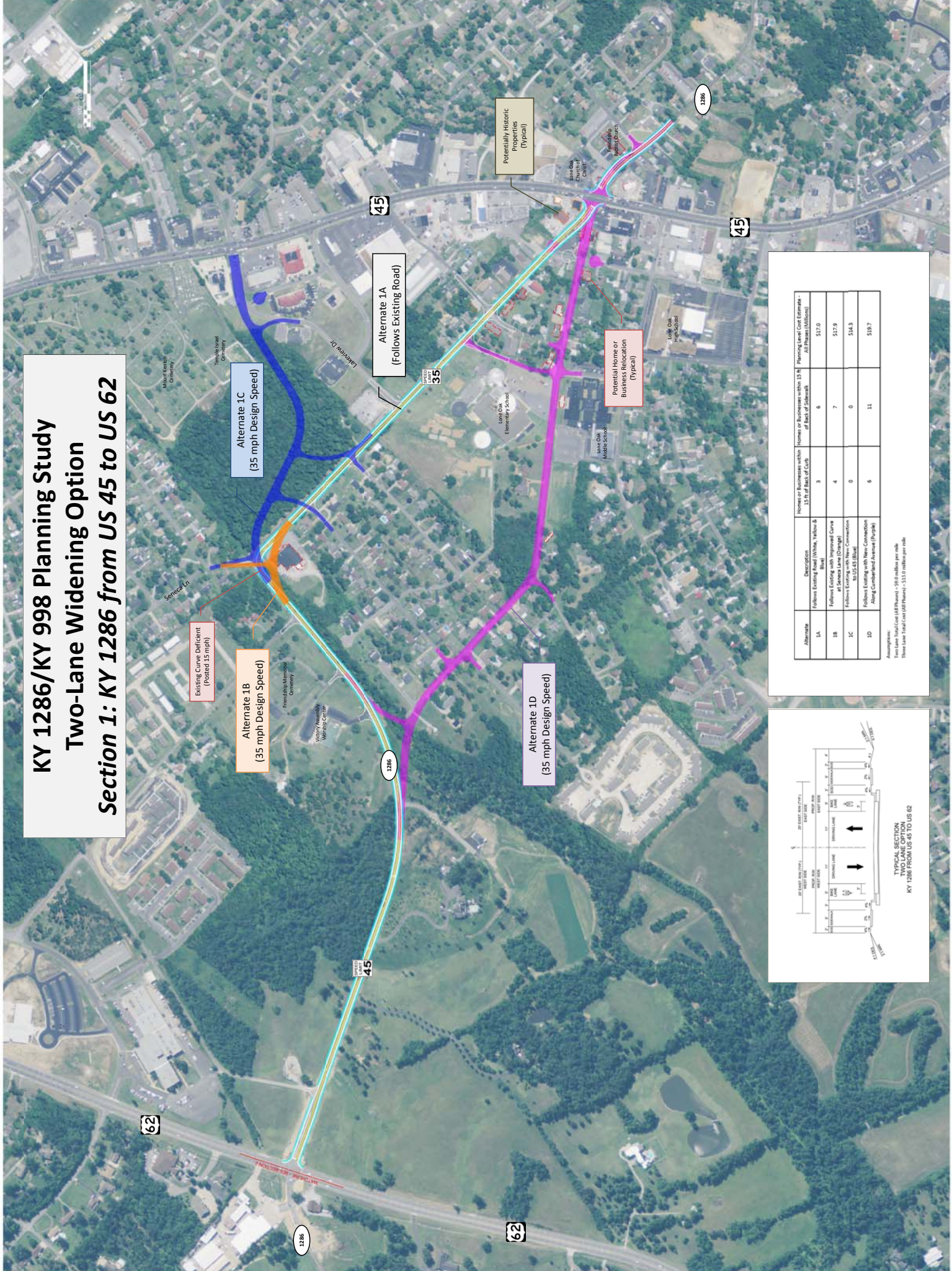
Environmental Features
Community Resources





Proposed Spot Improvements
 KY 1286/KY 998 Planning Study
 McCracken County, KY
 Item # 1-153.00

KY 1286/KY 998 Planning Study Two-Lane Widening Option Section 1: KY 1286 from US 45 to US 62



Alternate 1C
(35 mph Design Speed)

Alternate 1B
(35 mph Design Speed)

Alternate 1A
(Follows Existing Road)

Alternate 1D
(35 mph Design Speed)

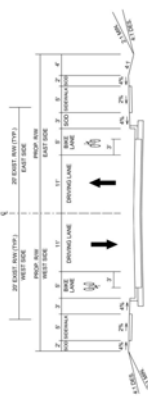
Existing Curve Deficient
(Posted 15 mph)

Potentially Historic
Properties
(Typical)

Potential Home or
Business Relocation
(Typical)

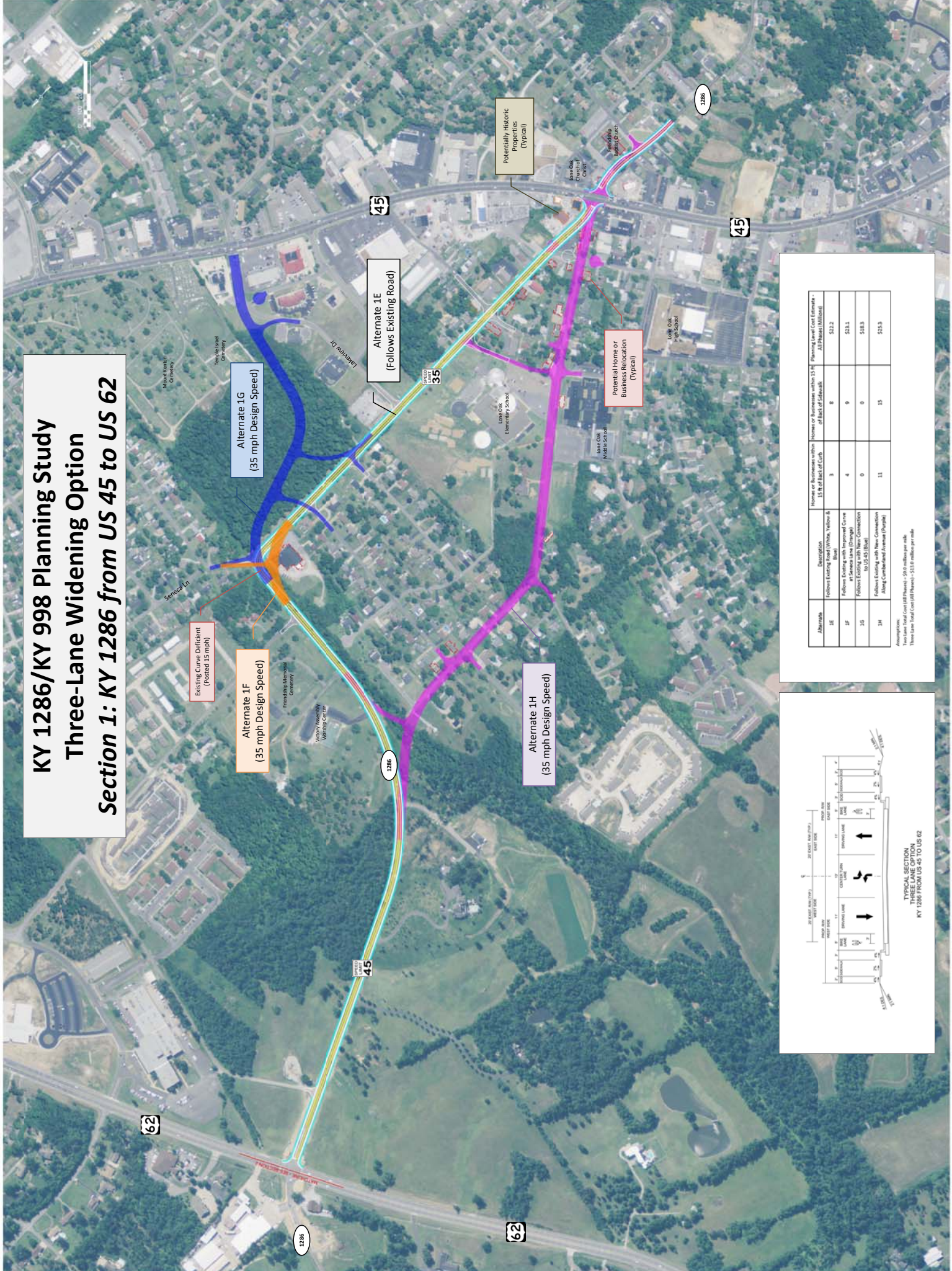
Alternate	Description	Homes or Businesses within 15 ft of Back of Curb	Homes or Businesses within 15 ft of Back of Sidewalk	Planning Level Cost Estimate - All Phases (Millions)
1A	Follows Existing Road (White, Yellow & Red)	3	6	\$17.0
1B	Follows Existing with Improved Curve at Service Lane (Orange)	4	7	\$17.9
1C	Follows Existing with New Connection to US 45 (Blue)	0	0	\$44.3
1D	Follows Existing with New Connection Along Corridor/Project (Purple)	6	11	\$19.7

Assumptions:
Two Lane Total Cost (All Phases) - \$95 million per mile
Three Lane Total Cost (All Phases) - \$110 million per mile



TYPICAL SECTION
KY 1286 FROM US 45 TO US 62

KY 1286/KY 998 Planning Study Three-Lane Widening Option Section 1: KY 1286 from US 45 to US 62



Existing Curve Deficient
(Posted 15 mph)

Alternate 1F
(35 mph Design Speed)

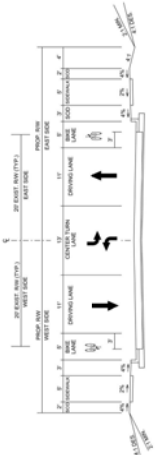
Alternate 1G
(35 mph Design Speed)

Alternate 1E
(Follows Existing Road)

Alternate 1H
(35 mph Design Speed)

Potentially Historic
Properties
(Typical)

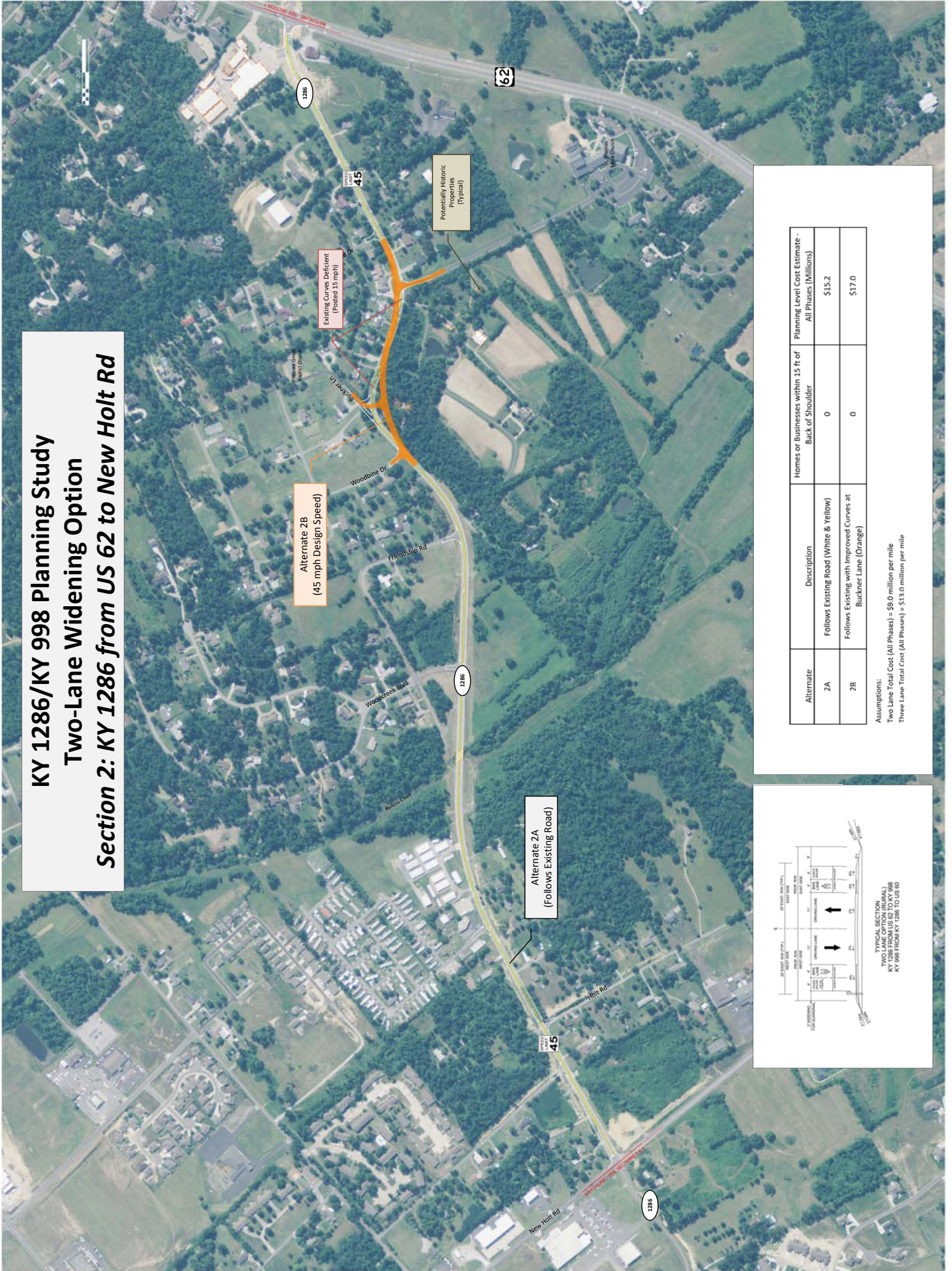
Potential Home or
Business Relocation
(Typical)



Alternate	Description	Number of Businesses within 15% of Back of Curb	Number of Businesses within 15% of Back of Sidewalk	Planning Level Cost Estimate (All Private) (Millions)
1E	Follows Existing Road (Yellow, Yellow & Black)	3	8	\$23.2
1F	Follows Existing Road (Orange) & New Connection at Service Lane (Orange)	4	9	\$23.1
1G	Follows Existing with New Connection to US 45 (Blue)	0	0	\$18.3
1H	Follows Existing with New Connection Along Centerline (Purple)	11	15	\$25.3

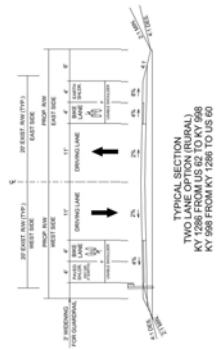
Assumption:
Three Lane Total Cost (All Private) = \$55 million per mile
Three Lane Total Cost (All Private) = \$110 million per mile

KY 1286/KY 998 Planning Study
Two-Lane Widening Option
Section 2: KY 1286 from US 62 to New Holt Rd



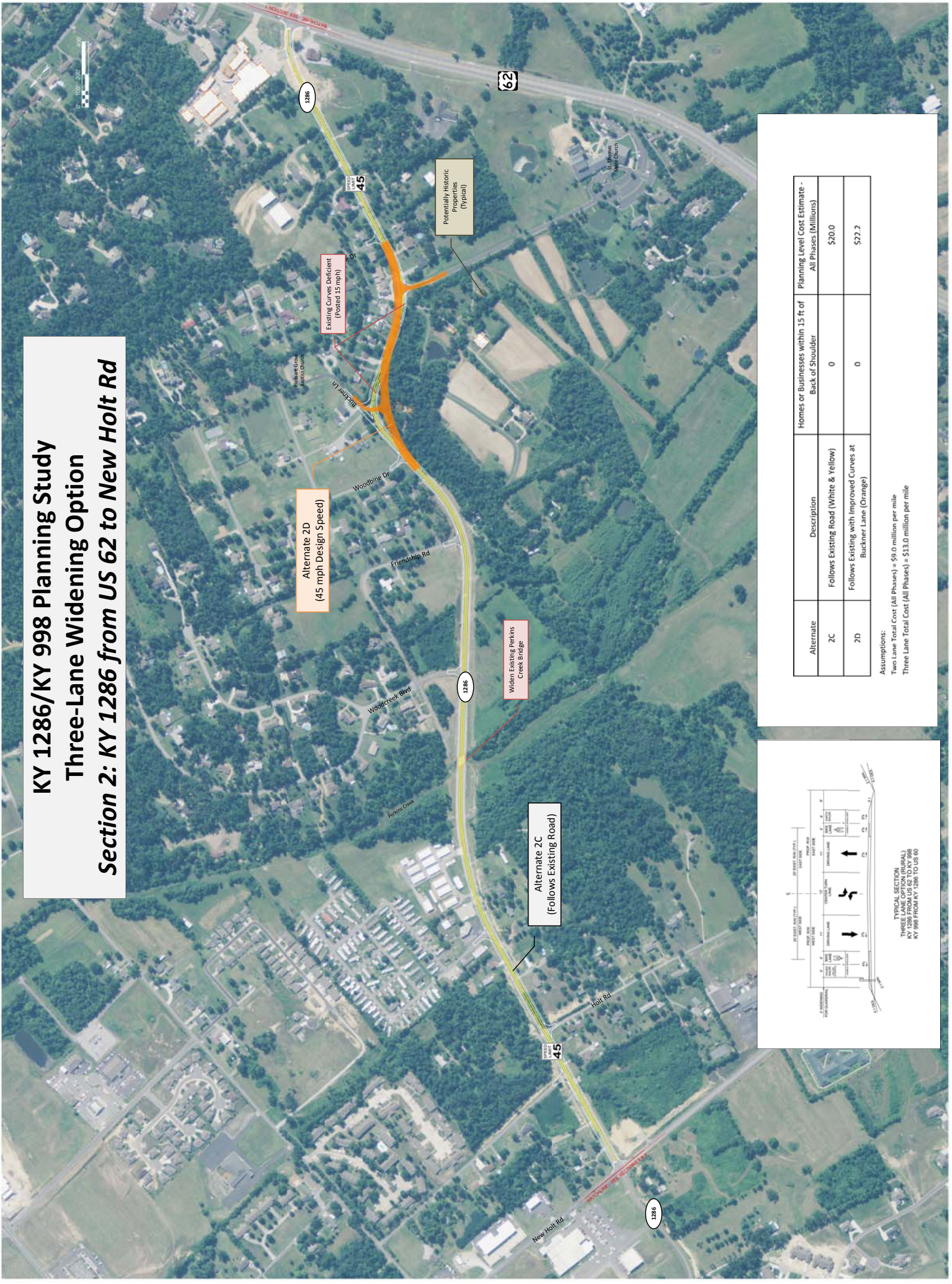
Alternate	Description	Homes or Businesses within 15 ft of Back of Shoulder	Planning Level Cost Estimate - All Phases (Millions)
2A	Follows Existing Road (White & Yellow)	0	\$15.2
2B	Follows Existing with Improved Curves at Buckner Lane (Orange)	0	\$17.0

Assumptions:
 Two Lane Total Cost (All Phases) = \$9.0 million per mile
 Three Lane Total Cost (All Phases) = \$13.0 million per mile



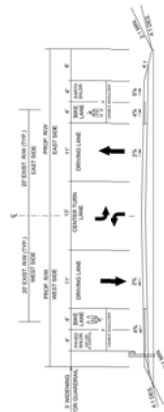
TYPICAL SECTION
 TWO-LANE OPTION (RURAL)
 KY 1286 FROM US 62 TO KY 998
 KY 998 FROM KY 1286 TO US 62

KY 1286/KY 998 Planning Study Three-Lane Widening Option Section 2: KY 1286 from US 62 to New Holt Rd



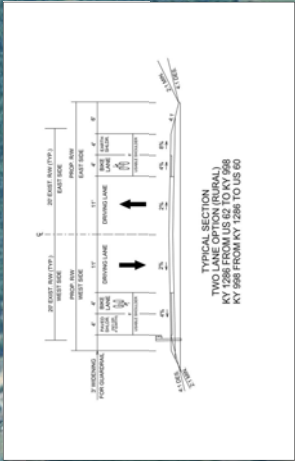
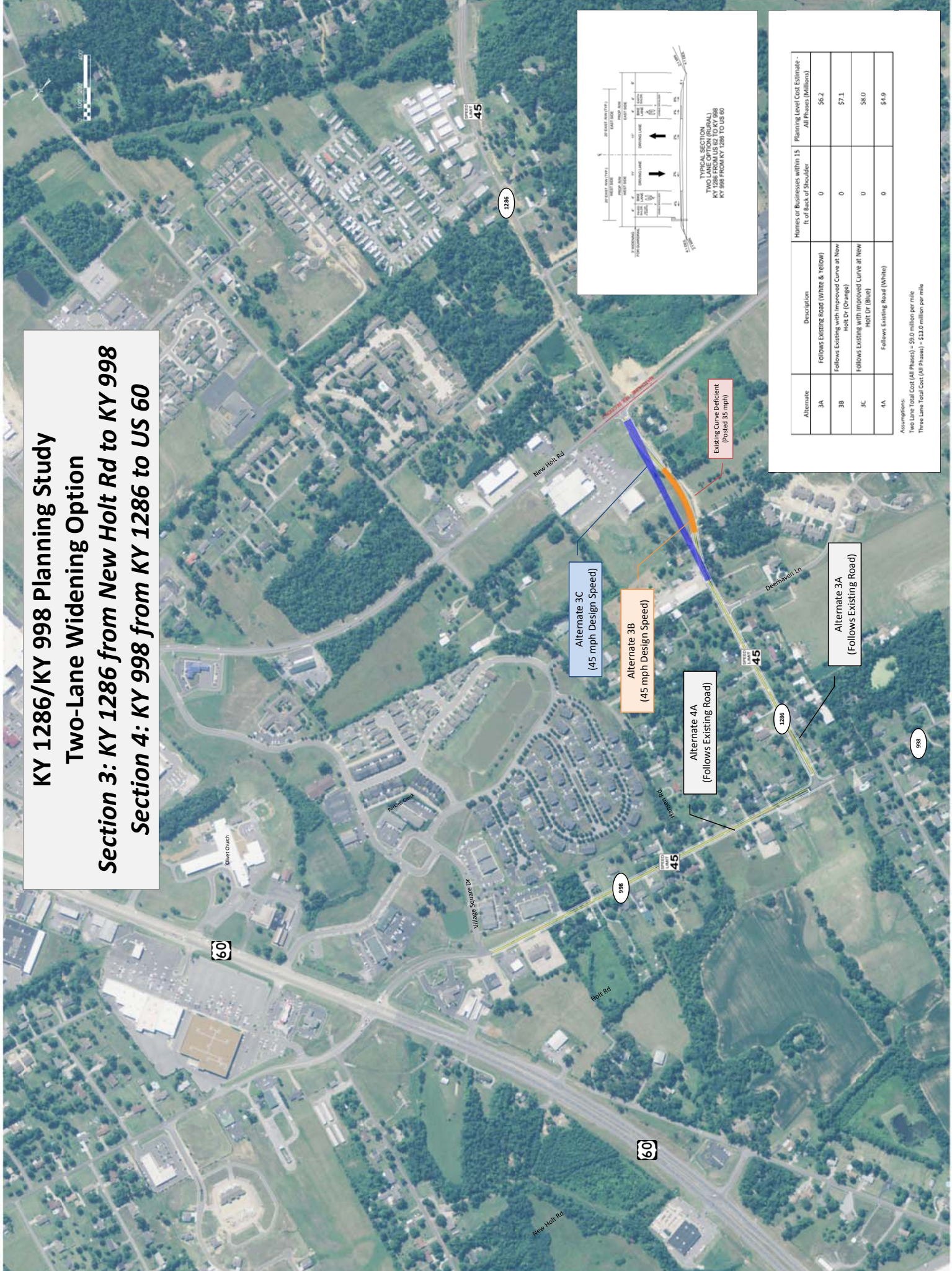
Alternate	Description	Homes or Businesses within 15 ft of Back of Shoulder	Planning Level Cost Estimate - All Phases (Millions)
2C	Follows Existing Road (White & Yellow)	0	\$20.0
2D	Follows Existing with Improved Curves at Buckner Lane (Orange)	0	\$22.2

Assumptions:
Two Lane Total Cost (All Phases) = \$9.0 million per mile
Three Lane Total Cost (All Phases) = \$13.0 million per mile



TYPICAL SECTION
THREE LANE
KY 1286 FROM US 62 TO KY 998
KY 998 FROM KY 1286 TO US 60

KY 1286/KY 998 Planning Study
Two-Lane Widening Option
Section 3: KY 1286 from New Holt Rd to KY 998
Section 4: KY 998 from KY 1286 to US 60



Alternate	Description	Homes or Businesses within 15 ft of Back of Shoulder	Planning Level Cost Estimate - All Phases (Millions)
3A	Follows Existing Road (White & Yellow)	0	\$6.2
3B	Follows Existing with Improved Curve at New Holt Dr (Orange)	0	\$7.1
3C	Follows Existing with Improved Curve at New Holt Dr (Blue)	0	\$8.0
4A	Follows Existing Road (White)	0	\$4.9

Assumptions:
 Two Lane Total Cost (All Phases) = \$9.0 million per mile
 Three Lane Total Cost (All Phases) = \$13.0 million per mile

Alternate 3C
(45 mph Design Speed)

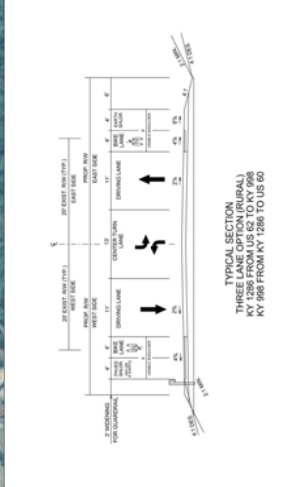
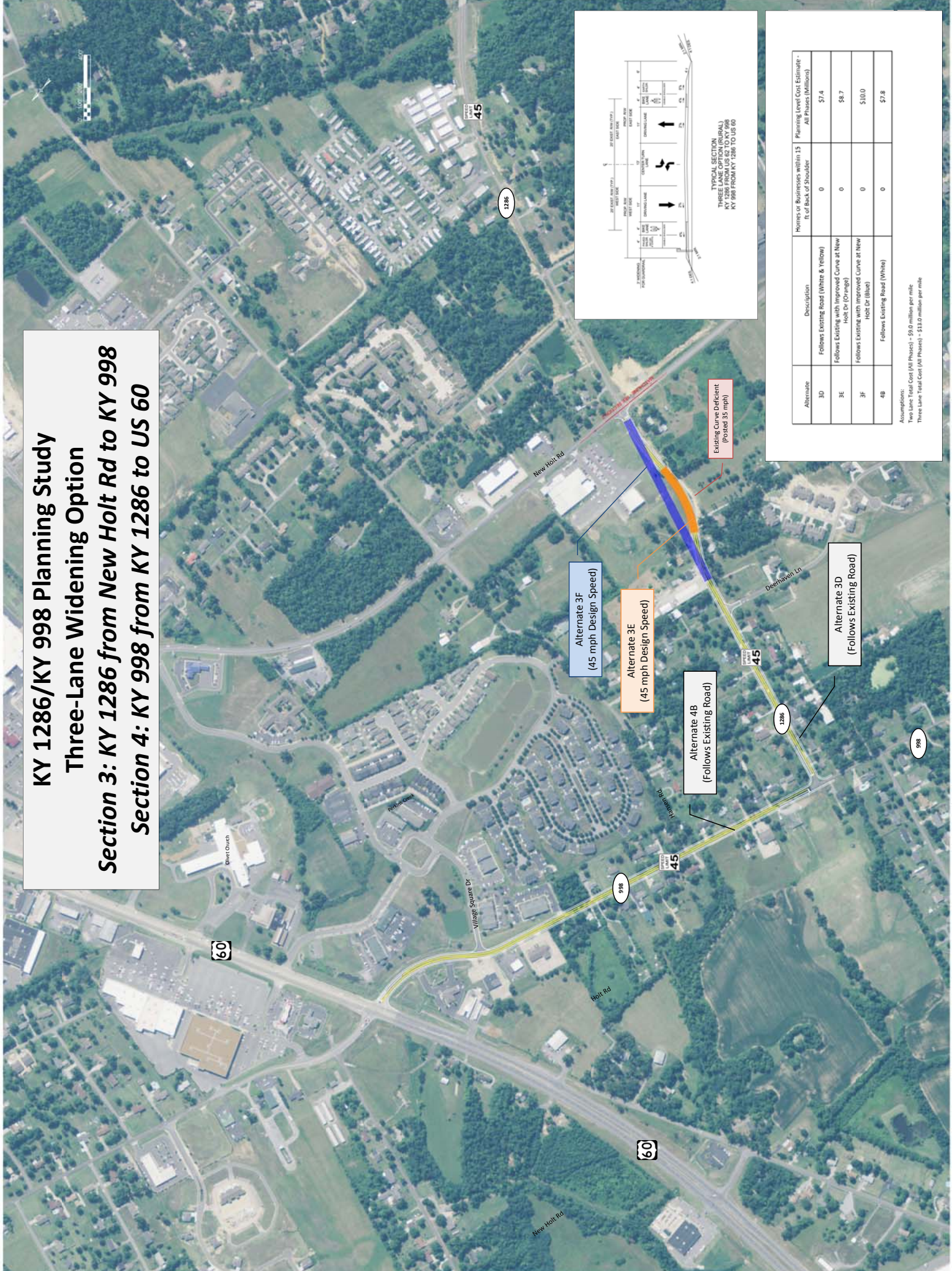
Alternate 3B
(45 mph Design Speed)

Alternate 4A
(Follows Existing Road)

Alternate 3A
(Follows Existing Road)

Existing Curve Deficient
(posted 35 mph)

**KY 1286/KY 998 Planning Study
Three-Lane Widening Option
Section 3: KY 1286 from New Holt Rd to KY 1286 to US 60
Section 4: KY 998 from KY 1286 to US 60**



Alternate	Description	Homes or Businesses within 15 ft of Back of Shoulder	Planning Level Cost Estimate - All Phases (Millions)
3D	Follows Existing Road (White & Yellow)	0	\$7.4
3E	Follows Existing with Improved Curve at New Holt Dr (Orange)	0	\$8.7
3F	Follows Existing with Improved Curve at New Holt Dr (Blue)	0	\$10.0
4B	Follows Existing Road (White)	0	\$7.8

Assumptions:
Two Lane Total Cost (All Phases) - \$9.0 million per mile
Three Lane Total Cost (All Phases) - \$13.0 million per mile

Alternate 3F
(45 mph Design Speed)

Alternate 3E
(45 mph Design Speed)

Alternate 4B
(Follows Existing Road)

Alternate 3D
(Follows Existing Road)

Existing Curve Deficient
(posted 35 mph)

Responses Received from Agencies



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

August 22, 2013

Mr. Keith Damron
 Director, Division of Planning
 Kentucky Transportation Cabinet
 200 Mero Street
 Frankfort, KY 40622

Re: FWS 2013-B-0709; KYTC Item No.: 1-153.00; KY 1286 / KY 998 Corridor Improvement Study; located in McCracken County, Kentucky

Dear Mr. Damron:

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.*). This is not a concurrence letter. Please read carefully, as further consultation with the Service may be required.

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. The listed species are:

Group	Species	Common name	Legal* Status
Mammals	<i>Myotis sodalis</i>	Indiana bat	E
Mussels	<i>Potamilus capax</i>	fat pocketbook	E
	<i>Plethobasus cooperianus</i>	orangefoot pimpleback	E
	<i>Lampsilis abrupta</i>	pink mucket	E
	<i>Obovaria retusa</i>	ring pink	E
	<i>Plethobasus cyphyus</i>	sheepnose	E
	<i>Pleurobema clava</i>	clubshell	E
	<i>Pleurobema plenum</i>	rough pigtoe	E
	<i>Cyprogenia stegaria</i>	fanshell	E
	<i>Cumberlandia monodonta</i>	spectaclecase	E
	<i>Quadrula c. cylindrica</i>	rabbitsfoot	P

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

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AUG 26 2013

Div. of Planning

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.

Indiana bat

Part of the proposed project is within the home range of a known “sensitive” Indiana bat maternity colony. “Maternity habitat” refers to suitable summer habitat used by juveniles and reproductive (pregnant, lactating, or post-lactating) females, and is an essential component of the Indiana bat’s lifecycle. Female Indiana bats become pregnant in spring soon after they emerge from their hibernacula, usually caves, rockshelters, and mines. The pregnant females migrate to their maternity habitat and roost in “suitable roost trees,” forming colonies of up to 100 or more individuals. A “suitable roost tree” is any tree (live or dead) with a diameter- at- breast- height (DBH) of 5-inches or greater that exhibits any of the following characteristics: exfoliating bark, crevices or cracks. Trees with a DBH of 5-inches or greater that are not “suitable roost trees,” as previously defined, still serve as foraging habitat for the Indiana bat. Each female in the colony gives birth to one pup per year. The young bats are nursed by the mother, who leaves the roost tree only to forage for food. The young stay with the maternity colony throughout their first summer.

Typically for a project of this nature, the Service would recommend seasonal tree clearing or the completion of a mist net survey before construction activities take place. Mist net surveys provide presence/absence information; however, we already know that the Indiana bats are present within the proposed project area and that the project area falls within the home range of a known maternity colony. We do not believe a survey is necessary for the proposed project. Also, seasonal tree clearing for the project could still result in indirect and/or cumulative effects to the maternity colony through changes to the landscape and the removal of potential foraging and roosting habitat. The available forested habitat within the range of this maternity colony is already relatively low and determined sensitive, so even seasonal removal of habitat is likely to result in significant or non-discountable effects to the Indiana bat.

In order to address these concerns and be in compliance with the ESA, we recommend one of the following options:

- The project proponent can modify the proposed project to eliminate or reduce impacts to trees and thus avoid impacts.
- KYTC should address the impacts to the Indiana bat through adherence to the September 6, 2012 Indiana bat Programmatic Agreement between KYTC, FHWA, and the Service.

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 in the Ohio River in Kentucky. The potential for siltation/sedimentation and contamination should be addressed when evaluating projects that impact streams that flow into the Ohio River.

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." The signature is written in a cursive style with a large, sweeping flourish at the end.

Virgil Lee Andrews, Jr.
Field Supervisor

Subject: FW: Planning study KY-1286 Item No. 1-15300 Agency Response

From: Robin Cooper [<mailto:rcooper@klc.org>]
Sent: Thursday, August 22, 2013 10:31 AM
To: Higdon, Tonya (KYTC)
Cc: Jeri Mccullough
Subject: Planning study Item No. 1-15300

Tonya,
Concerning the KY 1286 Corridor Improvement Study in McCracken County, we have no comments or input regarding this project.

Robin Cooper
Chief Member Services Officer
Kentucky League of Cities
100 East Vine Street
Suite 800
Lexington, Kentucky 40507
859 977 4110 office
859 559 7961 cell

"Right is right, even if everyone is against it; and wrong is wrong, even if everyone is for it."
William Penn



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**ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR NATURAL RESOURCES**

Steven L. Beshear
Governor

2 Hudson Hollow
Frankfort, Kentucky 40601
Phone (502) 564-6940
Fax (502) 564-5698
www.dnr.ky.gov
www.kentucky.gov

Leonard K. Peters
Secretary

Carl E. Campbell
Commissioner

August 23, 2013

Attn: Tonya Higdon
Division of Planning
Kentucky Transportation Cabinet
200 Mero Street 5th Floor
Frankfort, KY 40622

RE: Planning Study
KY 1286 Corridor Improvement Study
McCracken County, Paducah, Kentucky

Comments about Proposed Study Plan:

- No mining operations are located within the study area.
- No Acid Mine Drainage occurs with the proposed alternate due to past mining operations.
- Wetland Areas and endangered species may be an environmental concern for the construction in the study area.
- Several wells exist with the study area.

Sincerely,

Billy Ratliff-Director
#2 Hudson Hollow Complex
Frankfort, KY 40601
Email: billy.ratliff@ky.gov

Cc: Jkh, File

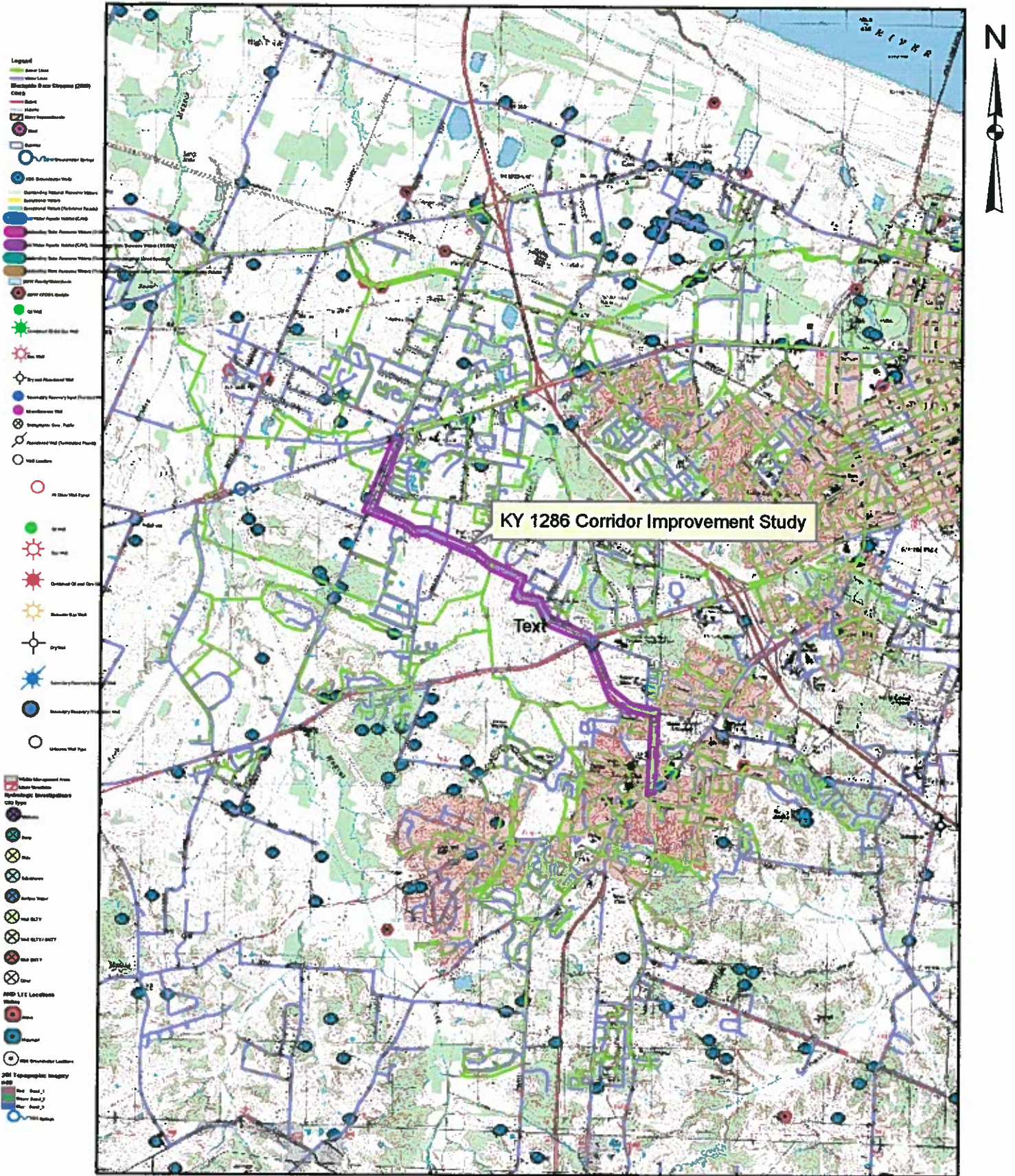
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AUG 26 2013

Div. of Planning

KY 1286 Corridor Improvement Study

Item No. 1-153.00



From: Houlihan, John (KYTC)
Sent: Tuesday, August 27, 2013 9:11 AM
To: Higdon, Tonya (KYTC)
Subject: Planning Study Item No. 1-153.00 KY 1286 McCracken County
Importance: Low

Tonya,

I have reviewed the above subject and have a couple of items to point out. The yellow highlight is the area of the KAZC jurisdiction that will apply to this project. Any structure that would exceed the below yellow highlighted regulations would be required to file for a permit with our office.

For example, at KY 998 MP 6.916 the KAZC jurisdiction start at 596 MSL (Mean Sea Level), any structure exceeding 596 would require a permit from this office. This would include construction equipment.

If you have any questions, please let me know.

Thank you.

602 KAR 50:030. Jurisdiction of the Kentucky Airport Zoning Commission.

RELATES TO: KRS 183.861, 183.865, 183.867, 183.870

STATUTORY AUTHORITY: KRS 183.861

NECESSITY, FUNCTION, AND CONFORMITY: KRS 183.867 specifies that the commission has jurisdiction over zoning for all public use and military airports. This administrative regulation defines the areas over which the Kentucky Airport Zoning Commission has jurisdiction for the purpose of zoning in accordance with KRS Chapter 183 and specifics when the owner or person who has control over a structure which encroaches on the jurisdiction of the Kentucky Airport Zoning Commission shall apply for a permit.

Section 1. The commission has zoning jurisdiction over that airspace over and around the public use and military airports within the Commonwealth which lies above the imaginary surface that extends outward and upward at one (1) of the following slopes:

(1) 100 to one (1) for a horizontal distance of 20,000 feet from the nearest point of the nearest runway of each public use and military airport with at least one (1) runway 3,200 feet or more in length; or

(2) Fifty (50) to one (1) for a horizontal distance of 10,000 feet from the nearest point of the nearest runway of each public use and military airport with its longest runway less than 3,200 feet in actual length.

Section 2. The commission has zoning jurisdiction over the use of land and structures within public use airports within the state.

Section 3. The commission has jurisdiction from the ground upward within the limits of the primary and approach surfaces of each public use and military airport as depicted on Airport Zoning Maps approved by the Kentucky Airport Zoning Commission.

Section 4. The commission has jurisdiction over the airspace of the Commonwealth that exceeds 200 feet in height above ground level.

Section 5. The owner or person who has control over a structure which penetrates or will penetrate the airspace over which the commission has jurisdiction shall apply for a permit from the commission in accordance with 602 KAR 50:090. (KAV-9-1; 1 Ky.R. 807; eff. 5-14-75; Am. 2 Ky.R. 306; eff. 3-10-76; 5 Ky.R. 599; eff. 3-7-79; 10 Ky.R. 445; eff. 1-4-84; 14 Ky.R. 267; eff. 9-10-87; 19 Ky.R. 800; eff. 11-4-92; 27 Ky.R. 2228; 2774; eff. 4-9-2001.)

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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August 27, 2013


Mr. Keith R. Damron, P.E.
Director Division of Planning
Kentucky Transportation Cabinet
200 Mero Street 5th Floor
Frankfort, KY 40622

Dear Mr. Damron:

Subject: Planning Study
KY 2186 Corridor Improvement Study
McCracken County, Paducah, Kentucky
Item No. 1-153.00

I was asked by Assistant Chief Barnhill to review the information you recently sent regarding the planning study mentioned above. After reviewing the material provided and our own analysis it is clear that some improvements need to be made. We believe the following alternates to be the best solutions to this complicated traffic issue. Alternates 1C, 2B, and 3C would increase the safe and efficient flow of traffic and require the least inconvenience to the public. We look forward to continuing our partnership with the Transportation Cabinet to address transportation issues in our area. If I can be of further assistance please contact me.

Sincerely,


Donald G. Hodgson, Captain
Paducah Police Department

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AUG 30 2013

Div. of Planning

Stacey R. Grimes
Assistant Chief of Police
270-444-8549

James O. Berry
Chief of Police
270-444-8590

Brandon L. Barnhill
Assistant Chief of Police
270-444-8691



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

August 27, 2013

Mr. Keith R. Damron, P. E., Director
Division of Planning
Kentucky Transportation Cabinet
200 Mero Street
Frankfort, KY 40622

Re: Planning Study for the Proposed KY 1286 Improvement Project, Paducah, McCracken County, Kentucky
KYTC Item No. 1-153.00

Mr. Damron,

Thank you for submitting information regarding the above-mentioned undertaking. As this is a federal undertaking, pursuant to Section 106 of the National Historic Preservation Act of 1966 (16 U. S. C. Sec. 470f) and implementing regulations at 36 C. F. R. Part 800, the Kentucky State Historic Preservation Office recommends archaeological and cultural historic survey of the entire project area to identify project-related impacts to historic properties listed on or eligible for listing on the National Register of Historic Places. The KYTC Division of Environmental Analysis routinely handles Section 106 consultation with our office for FHWA undertakings, and we look forward to further consultation regarding KYTC Item No. 1-153.00.

Should you have any questions, feel free to contact Phillip Johnson of my staff at 502-564-7005 ext 122.

Sincerely,

Craig A. Potts
Executive Director and
State Historic Preservation Officer

CP:PJ

cc: David Waldner (KYTC-DEA)
Phil Logsdon (KYTC-DEA)
James Hixon (KYTC-DEA)

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AUG 29 2013

Div. of Planning



Steven L. Beshear
Governor

Terry Holliday, Ph.D.
Commissioner of Education

**EDUCATION AND WORKFORCE DEVELOPMENT CABINET
DEPARTMENT OF EDUCATION**

Capital Plaza Tower • 500 Mero Street • Frankfort, Kentucky 40601
Phone: (502) 564-4770 • www.education.ky.gov

August 28, 2013

Keith R. Damron, P.E.
Director, Division of Planning
Kentucky Transportation Cabinet
200 Mero Street
Frankfort, KY 40622

Dear Mr. Damron:

Thank you for the opportunity to review the "KY 1286 Corridor Improvement Study" for McCracken County, Paducah, KY. I forwarded the information to the District Facilities Branch and the Student Tracking and Transportation Branch here at Kentucky Department of Education (KDE) for their input. Staff reported that there is nothing in the report that impacts anything under the direct control of KDE in terms of school facilities or school bus routes. However, it is the recommendation of KDE staff that the Transportation Cabinet contact McCracken County School District and Paducah Independent School District directly to solicit feedback from school district officials who have better knowledge of how this project could impact schools in the affected area. The contact information is:

Superintendent Nancy Waldrop, Ed. D.
McCracken County School District,
435 Berger Road
Paducah, KY 42001
(270) 538-4000

Superintendent Randy J. Greene
800 Caldwell Street
P.O. Box 2552
Paducah, KY 42003
(270) 444-5600

If you have any questions concerning school facilities or school bus transportation in general, please contact Kay Kennedy, KDE Director, Division of District Support at kay.kennedy@education.ky.gov or (502)564-3930.

Sincerely,

Terry Holliday, Ph. D.

cc: Thomas Zawacki

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AUG 30 2013

Div. of Planning



United States
Department of
Agriculture

Forest
Service

Daniel Boone
National Forest

1700 Bypass Road
Winchester, KY 40391
859-745-3100

File Code: 1900

Date: AUG 28 2013

Keith R. Damron, P.E.
Director, Division of Planning
Kentucky Transportation Cabinet
200 Mero Street, 5th Floor
Frankfort, KY 40622

Dear Mr. Damron:

Thank you for the opportunity to respond to the proposal being developed to address traffic operations along the KY-1286/KY-998 route between US-45 and US-60. My staff and I have reviewed your proposal to improve safety at this location. This site is nearly 300 miles to the west of national forest system (NFS) lands managed by the Daniel Boone National Forest (Forest); the watershed where the proposal is centered does not flow onto NFS lands under my management. I see no reason to believe this proposal would affect resources or facilities managed by the Forest and I have no objections to this proposal. Additional correspondence with the Forest regarding this proposal is not necessary.

If you have questions, please contact Forest Planner & Environmental Coordinator Elizabeth Robinson at (859) 745-3151.

Sincerely,

FRANK R. BEUM
Forest Supervisor

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SEP - 4 2013

Div. of Planning





TRANSPORTATION CABINET

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

Steven L. Beshear
Governor

Michael W. Hancock, P.E.
Secretary

August 29, 2013

Mr. Keith R. Damron
Director
Division of Planning
200 Mero Street 5th floor,
Frankfort, KY 40622

Subject: Planning Study
KY 1286 Corridor Improvement Study
McCracken County, Paducah, Kentucky
Item No. 1.153.00

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SEP - 5 2013

Div. of Planning

Dear Mr. Damron,

We received your letter from August 16, 2013 requesting commentary on your planning study for McCracken County, Paducah, Kentucky. Per your request, we have provided the following comments:

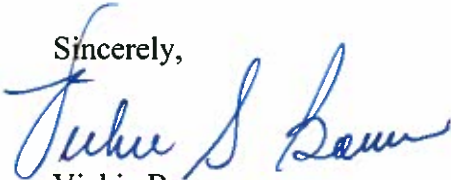
- Purpose and need for the project – US 1286 (Friendship Rd) has a high volume of traffic. There are multiple turnoffs on this road. Being a two lane road, there are complications regarding stop and go traffic. It is an alternate route to I-24 and is close to Paducah Community College. This road would benefit from additions or reconstructions. This would in turn help commuters, residents and transit systems (Paducah Transit Authority) if some of the stop and go traffic was decreased.
- Significant issues or concerns in the project area – A possible issue for Paducah Transit Authority is the amount of stops and the inability to pull over allow other vehicles to pass in an alternate lane. This can be dangerous if loading or unloading in an area where no driveway exists. This is not part of the Paducah Transit fixed route, however, if the demand response services are utilized, this road still presents a problem. Often PTA's services are used to help transport those with disabilities and wheelchairs. This often will lengthen the loading and unloading time. A widening of this road would allow for better traffic flow and less safety concerns when loading and unloading passengers.



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Enclosed you will find a letter from Arthur Boykin from the Paducah Transit Authority, with comments on the planning study. Please feel free to contact me with any questions or comments you may have at 502-782-5169.

Sincerely,



Vickie Bourne

Executive Director

Office of Transportation Delivery



Paducah Transit Authority
Paducah Area Transit System

850 Harrison St.
P.O. Box 2267
Paducah, KY 42002-2267
(270) 444-8700
FAX: (270) 444-8633

August 29, 2013

Ms. Vickie S. Bourne
Executive Director
Office of Transportation Delivery
200 Mero Street
Frankfort, KY 40622

Subject: Planning Study KY 1286 Corridor Improvement Study
McCracken County, Paducah, Kentucky – Item No. 1-153.00

Dear Ms. Bourne:

As a representative of the Paducah Transit Authority and based on my local knowledge and travel in using the KY 1286/ KY 998 corridor, I would agree with the Cabinet's identified purpose and need for improvements in the project area. I am not aware of any significant issues or concerns in the project area. PTA currently does not have any expansion or development plans in this area outside normal routes for transit. Upon review of the proposed alternatives, section 1 between US 45 and US 62 should be given the highest priority for any funded improvements. I would favor widening to three lanes along the corridor to allow for left turning movements, which in my opinion should help traffic flow during peak traffic conditions and possibly reduce the chances of rear-end collisions. Because of the starting (US 45) and ending (US 60) points of the corridor, consideration should be strongly given to pedestrian and bicycle access along this corridor as it connects the Lone Oak area with the major retail area of KY Oaks Mall. An improved connection for pedestrian and bicycle access in this area provides the public more choices in mobility and an opportunity to utilize those choices with the existing public transit system.

Thanks you for soliciting input and comments from PTA on this project. Should you have any questions or need additional input, please do not hesitate to contact me.

Sincerely,

Arthur Boykin
Arthur Boykin
Executive Director



Steven L. Beshear
Governor

**Energy and Environment Cabinet
Department for Environmental Protection**

Leonard K. Peters
Secretary

Division for Air Quality
200 Fair Oaks Lane, 1st Floor
Frankfort, Kentucky 40601-1403
Web site: air.ky.gov

August 29, 2013

Mr. Keith R. Damron, P.E.
Director
Division of Planning
Kentucky Transportation Cabinet
200 Mero Street, 5th Floor
Frankfort, Kentucky 40622

Dear Mr. Damron:

The Division has reviewed the planning study for evaluating potential impacts for a proposed highway project, KY 1286 in McCracken County, Item Number 01-153.00. The following Kentucky Administrative Regulations apply to this proposed project:

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 located at <http://air.ky.gov/Pages/OpenBurning.aspx>

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 located at <http://air.ky.gov/Pages/OpenBurning.aspx>

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SEP - 3 2013

Div. of Planning

Mr. Keith Damron
Page 2
August 29, 2013

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.

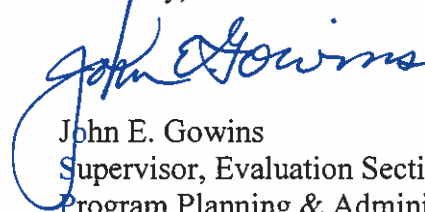
- Utilize alternatively fueled equipment.
- Utilize other emission controls that are applicable to your equipment.
- Reduce idling time on equipment.

Finally, the projects listed in this document must meet the conformity requirements of the Clean Air Act as amended and the transportation planning provisions of Title 40 of United States Code.

The Division also suggests an investigation into compliance with applicable local government regulations.

The Division appreciates the opportunity to review this submittal. If you have any questions regarding this matter, please contact Joe Forgacs of my staff at (502) 564-3999.

Sincerely,



John E. Gowins
Supervisor, Evaluation Section
Program Planning & Administration Branch

JEG/jmf



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

August 30, 2013

Tonya Higdon
Division of Planning
Kentucky Transportation Cabinet
200 Mero Street 5th Floor
Frankfort, KY 40622

Re: Planning Study – KY 1286 Corridor Improvement Study
McCracken County, Paducah, KY
Item No. 1-153.00

Ms. Higdon,

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 letter dated August 16, 2013 requesting our review of the planning study for the KY 1286 Corridor Improvement Project. The following comments are submitted in reference to your project.

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 Water:

Compliance & Technical Assistance Branch:

Segment 2 has Perkins Creek running through it, which is known for flash flooding and any addition of pavement in the drainage area could increase this problem. One of the options for this segment is a three lane widening with a widening of the bridge over Perkins creek. We feel that KYTC will address the creek crossing and working in and along a floodplain issue but want to make sure they look into the effect more impervious surface would have on the flooding/floodplain. Daniel Fraley, Compliance and Technical Assistance Branch, (606) 783-8655, Daniel.Fraley@ky.gov.

Water Quality Branch:

There are no Outstanding State Resource Waters, Wild Rivers, or known Exceptional Waters within the proposed project area. Perkins Creek has been determined to support aquatic life use. Best management practices shall be utilized to reduce runoff impacts to Perkins Creek so that the use support can be maintained. John Brumley, Water Quality Branch, (502) 564-3410, John.Brumley@ky.gov.

Watershed Management:

No comments for the Floodplain Section. No comments for Water Withdrawal Permitting Section. Julia Harrod, Watershed Management Branch, (502) 564-3410, Julia.Harrod@ky.gov.

If the widening or rerouting crosses any water or monitoring wells, a Kentucky certified driller will need to properly abandon the wells before construction proceeds. If any of the contractors have onsite activities covered under the Groundwater Protection Plan regulation, they will need to develop a Groundwater Protection Plan for those activities. Phil O'dell, Watershed Management Branch, (502) 564-3410, Phillip.O'Dell@ky.gov.

Comments from the Division of Air Quality:

Kentucky Division for Air Quality Regulation 401 KAR 58:025, Asbestos Standards, apply to this project if any renovation or demolition occurs. If so, a Kentucky Accredited Asbestos Inspector must inspect the project. Asbestos that will be affected by this activity must be removed by a Kentucky accredited contractor before renovation or demolition begins. Written notification must be given on form DEP 7036 to the Division for Air Quality Regional Office at least 10 weekdays prior the start of demolition or renovation, whether or not asbestos has been identified to be present.

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.

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 atmosphere without passing through a stack or chimney.

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.

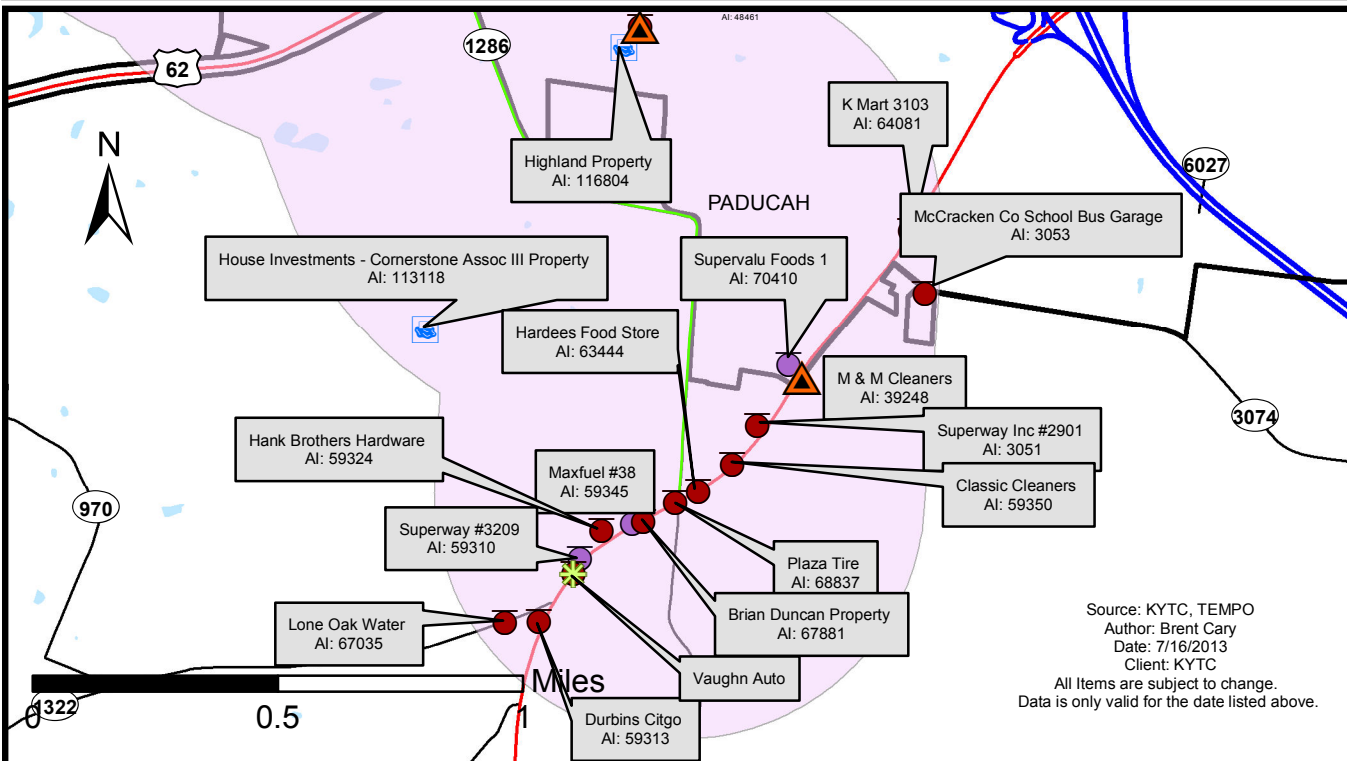
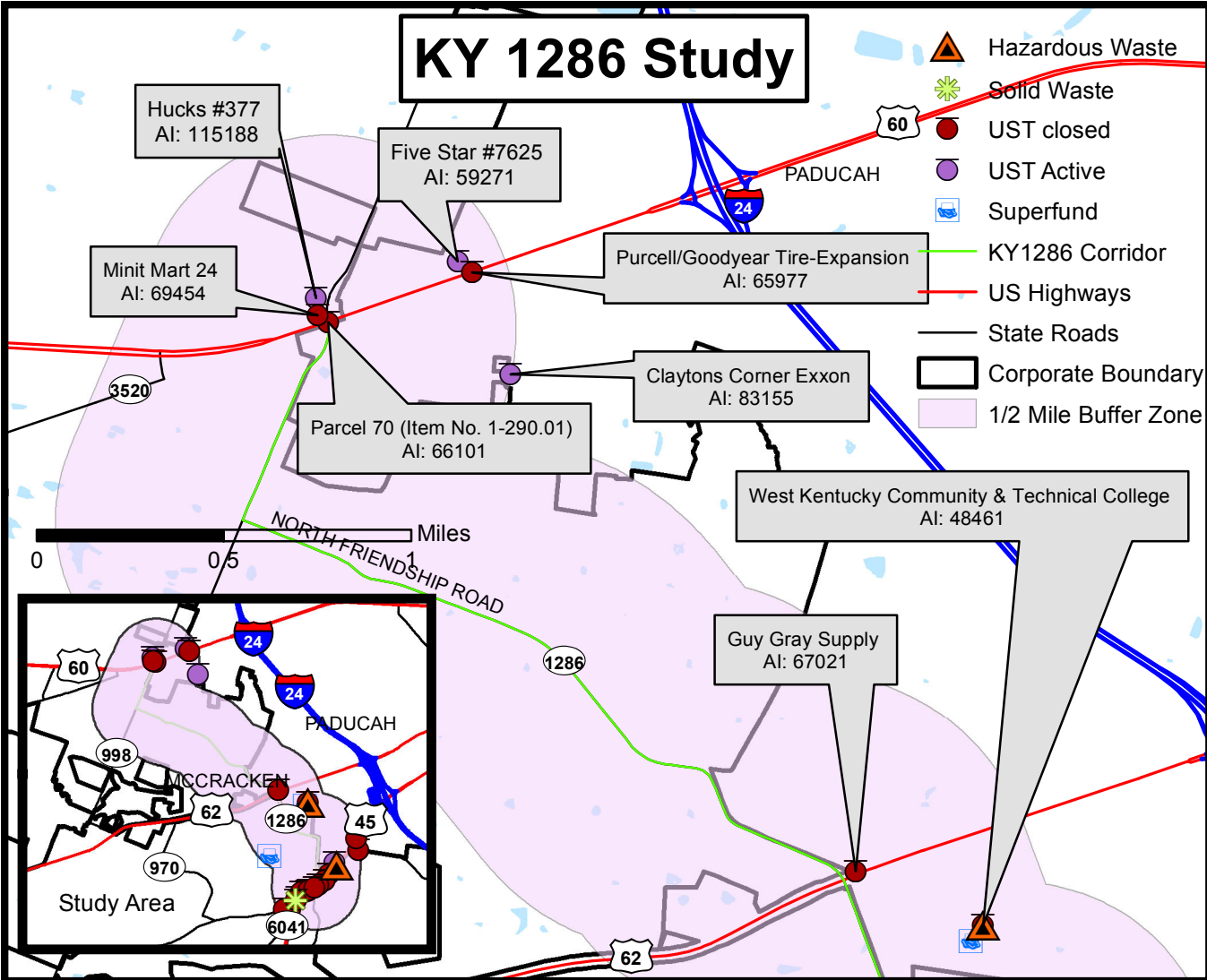
If you should have any questions, please contact me at (502) 564-2150, ext. 3125.

Sincerely,

A handwritten signature in cursive script that reads "Ronald T. Price".

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

KY 1286 Study





**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

Dr. Jonathan W. Gasset
Commissioner

3 September 2013

Keith R. Damron, P.E.
Director, Division of Planning
Kentucky Transportation Cabinet
200 Mero Street 5th Floor
Frankfort, KY 40622

RE: Planning Study
KY 1286 Corridor Improvement Study
McCracken County, Paducah, Kentucky
Item No. 1-153.00

RECEIVED

SEP - 9 2013

Div. of Planning

Dear Mr. Damron:

The Kentucky Department of Fish and Wildlife Resources (KDFWR) has received your request for information pertaining to the subject project. The Kentucky Fish and Wildlife Information System indicates that the federally - endangered Indiana bat (*Myotis sodalis*) and Interior Least Tern (*Sterna antillarum athalassos*) are known to occur within close proximity of the project site. The state-listed Backman's Sparrow (*Aimophila aestivalis*), Dark-eyed Junco (*Junco hyemalis*), Green Treefrog (*Hyla cinerea*), and Northern Crawfish Frog (*Rana areolata circulosa*) are also known to occur within close proximity to the project site. Please be aware that our database system is a dynamic one that only represents our current knowledge of various species distributions.

This project does occur within known Indiana bat summer maternity habitat according to the U.S. Fish and Wildlife Service Kentucky Field Office (USFWS). The KDFWR recommends contacting the USFWS at 502-695-0468 to discuss the project and measures to avoid impacting roosting bats. Seasonal tree cutting restrictions will likely be requested to reduce direct impacts to bats. The KDFWR also recommends surveying potential Interior Least Tern nesting habitat that may be impacted by this project. Exposed sandbars and mudflats along the Ohio and Mississippi Rivers are primary nesting locations, but power plants and impoundments off of these rivers are known to have been used for nesting as well.

It appears that the proposed project has the potential to impact wetland habitats. KDFWR recommends that you look at the appropriate US Department of Interior National Wetland



Inventory Map (NWI) and the appropriate county soil surveys to determine where the proposed project may impact wetlands. Additionally, field verification may be needed to determine the extent and quality of wetland habitats within the project area. Any planning should include measures designed to eliminate and/or reduce impacts to wetland habitats. If impacts cannot be avoided, mitigation should be properly designed and proposed to offset the losses. KDFWR will recommend, at a minimum, a 2:1 mitigation ratio for any permanent loss or degradation of wetland habitats.

KDFWR recommends that you contact the appropriate US Army Corps of Engineers office and the Kentucky Division of Water prior to any work within the waterways or wetland habitats of Kentucky. Additionally, KDFWR recommends the following for the portions of the project that impact streams:

- Channel changes located within the project area should incorporate natural stream channel design.
- If culverts are used, the culvert should be designed to allow the passage of aquatic organisms.
- Culverts should be designed so that degradation upstream and downstream of the culvert does not occur.
- Development/excavation during low flow period to minimize disturbances.
- Proper placement of erosion control structures below highly disturbed areas to minimize entry of silt into area streams.
- Replanting of disturbed areas after construction, including stream banks, with native vegetation for soil stabilization and enhancement of fish and wildlife populations. We recommend a 100 foot forested buffer along each stream bank.
- Return all disturbed instream habitat to a stable condition upon completion of construction in the area.
- Preservation of any tree canopy overhanging any streams within the project area.

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.

In general, the KDFWR recommends alternatives that require the least amount of environmental impact to both aquatic and terrestrial ecosystems and their species. KDFWR understands that safety and social concerns are contributors to the ultimate decision as to the ultimate direction of the project.

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,



Dan Stoelb
Wildlife Biologist

Cc: Environmental Section File



REPLY TO
ATTENTION OF:

Regulatory Branch

DEPARTMENT OF THE ARMY
MEMPHIS DISTRICT, CORPS OF ENGINEERS
167 NORTH MAIN STREET B-202
MEMPHIS, TENNESSEE 38103-1894
September 5, 2013

Mr. Keith R. Damron, P. E.
Director, Division of Planning
Kentucky Transportation Cabinet
200 Mero Street 5th Floor
Frankfort, Kentucky 40622

Dear Mr. Damron:

This is in reference to your recent request for comments on a planning study to determine the need and potential impacts for KY 1286/KY 998 located in McCracken County, Kentucky, (see attached map). After reviewing the information submitted, there are aquatic resources in the area of review and it is our preliminary jurisdictional determination (PJD) that there are other waters of the United States that may be impacted by this project. Based on a preliminary jurisdictional determination (PJD) a Section 404 permit would be required for this work.

A PJD cannot be appealed. If you object to this PJD, please contact us for information about receiving an approved jurisdictional determination and information on the administrative appeals process. The PJD is included for your concurrence. If you agree with this PJD, please sign the form and return it to the address listed above. If the PJD is not returned within 30 days of the date of this letter, we will assume your concurrence. This PJD will remain valid for five years from the date of this letter unless new information warrants revision of the determination before the expiration date.

The Memphis District Regulatory Branch is committed to providing quality and timely service to our customers. In an effort to improve customer service, we invite you to complete a Customer Service Survey found on our web site at <http://per2.nwp.usace.army.mil/survey.html>. Your comments, positive or negative, will not affect any current or future dealing with the Corps of Engineers.

If you have questions concerning this determination, please reference File Number MVM-2013-369 and contact Randy Clark at the letterhead address or by telephone at (901) 544-0735.

Sincerely,

Gregg Williams
Chief
Regulatory Branch

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SEP - 9 2013

Div. of Planning

PRELIMINARY JURISDICTIONAL DETERMINATION FORM

This preliminary JD finds that there "may be" waters of the United States on the subject project site, and identifies all aquatic features on the site that could be affected by the proposed activity, based on the following information:

District Office	Memphis District	File/ORM #	MVM-2013-369	PJD Date:	Sep 3, 2012
State	City/County		Name/ Address of Person Requesting PJD		
KY	Paducah, McCracken County				
Nearest Waterbody:					
Perkins Creek			Mr. Keith R. Damron, P. E. Director, Division of Planning Kentucky Transportation Cabinet 200 Mero Street 5th Floor Frankfort, Kentucky 40622		
Location: TRS, LatLong or UTM:			N37.0517° / W-88.6734°		

Identify (Estimate) Amount of Waters in the Review Area:	Name of Any Water Bodies on the Site Identified as
Non-Wetland Waters: Stream Flow: <input type="checkbox"/> linear ft <input type="checkbox"/> width <input type="checkbox"/> acres <input type="checkbox"/> N/A	Tidal: _____ Section 10 Waters: Non-Tidal: _____
Wetlands: <input type="checkbox"/> acre(s) Cowardin Class: <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Office (Desk) Determination <input type="checkbox"/> Field Determination: _____ Date of Field Trip: _____

SUPPORTING DATA: Data reviewed for preliminary JD (check all that apply - checked items should be included in case file and, where checked and requested, appropriately reference sources below):

- Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant: Kentucky Transportation Cabinet
- Data sheets prepared/submitted by or on behalf of the applicant/consultant.
 - Office concurs with data sheets/delineation report.
 - Office does not concur with data sheets/delineation report.
- Data sheets prepared by the Corps
- Corps navigable waters' study: _____
- U.S. Geological Survey Hydrologic Atlas:
 - USGS NHD data.
 - USGS 8 and 12 digit HUC maps.
- U.S. Geological Survey map(s). Cite quad name: _____
- USDA Natural Resources Conservation Service Soil Survey. Citation: _____
- National wetlands inventory map(s). Cite name: _____
- State/Local wetland inventory map(s): _____
- FEMA/FIRM maps: _____
- 100-year Floodplain Elevation is: _____
- Photographs: Aerial (Name & Date): _____
 Other (Name & Date): _____
- Previous determination(s). File no. and date of response letter: _____
- Other information (please specify): _____

IMPORTANT NOTE: The information recorded on this form has not necessarily been verified by the Corps and should not be relied upon for later jurisdictional determinations.

Randy Chel 9-3-13
 Signature and Date of Regulatory Project Manager
 (REQUIRED)

 Signature and Date of Person Requesting Preliminary JD
 (REQUIRED, unless obtaining the signature is impracticable)

EXPLANATION OF PRELIMINARY AND APPROVED JURISDICTIONAL DETERMINATIONS:

1. The Corps of Engineers believes that there may be jurisdictional waters of the United States on the subject site, and the permit applicant or other affected party who requested this preliminary JD is hereby advised of his or her option to request and obtain an approved jurisdictional determination (JD) for that site. Nevertheless, the permit applicant or other person who requested this preliminary JD has declined to exercise the option to obtain an approved JD in this instance and at this time.

2. In any circumstance where a permit applicant obtains an individual permit, or a Nationwide General Permit (NWP) or other general permit verification requiring "preconstruction notification" (PCN), or requests verification for a non-reporting NWP or other general permit, and the permit applicant has not requested an approved JD for the activity, the permit applicant is hereby made aware of the following: (1) the permit applicant has elected to seek a permit authorization based on a preliminary JD, which does not make an official determination of jurisdictional waters, (2) that the applicant has the option to request an approved JD before accepting the terms and conditions of the permit authorization, and that basing a permit authorization on an approved JD could possibly result in less compensatory mitigation being required or different special conditions; (3) that the applicant has the right to request an individual permit rather than accepting the terms and conditions of the NWP or other general permit authorization; (4) that the applicant can accept a permit authorization and thereby agree to comply with all the terms and conditions of that permit, including whatever mitigation requirements the Corps has determined to be necessary; (5) that undertaking any activity in reliance upon the subject permit authorization without requesting an approved JD constitutes the applicant's acceptance of the use of the preliminary JD, but that either form of JD will be processed as soon as is practicable; (6) accepting a permit authorization (e.g., signing a proffered individual permit) or undertaking any activity in reliance on any form of Corps permit authorization based on a preliminary JD constitutes agreement that all wetlands and other water bodies on the site affected in any way by that activity are jurisdictional waters of the United States, and precludes any challenge to such jurisdiction in any administrative or judicial compliance or enforcement action, or in any administrative appeal or in any Federal court; and (7) whether the applicant elects to use either an approved JD or a preliminary JD, that JD will be processed as soon as is practicable. Further, an approved JD, a proffered individual permit (and all terms and conditions contained therein), or individual permit denial can be administratively appealed pursuant to 33 C.F.R. Part 331, and that in any administrative appeal, jurisdictional issues can be raised (see 33 C.F.R. 331.5(a)(2)). If, during that administrative appeal, it becomes necessary to make an official determination whether CWA jurisdiction exists over a site, or to provide an official delineation of jurisdictional waters on the site, the Corps will provide an approved JD to accomplish that result, as soon as is practicable.

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/KY 1286
September 5, 2013

Mr. Keith R. Damron, P.E
Director, Div of Planning
Kentucky Transportation Cabinet
200 Mero Street 5th Floor
Frankfort KY 40622

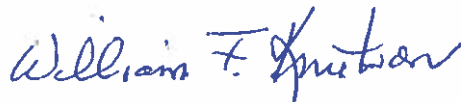
Subj: KY 1286 CORRIDOR IMPROVEMENT STUDY, MCCRACKEN COUNTY

Dear Mr. Damron:

Please refer to your letter dated August 16th, 2013. Pursuant to the Coast Guard Authorization Act of 1982, it has been determined that this is not a waterway over which the Coast Guard exercises jurisdiction for bridge administration purposes. Therefore, a Coast Guard bridge permit is not required for this project.

We appreciate the opportunity to comment on the project.

Sincerely,

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

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SEP 19 2013

Div. of Planning

From: Thomas, David E. (CHFS OPB)
Sent: Monday, September 09, 2013 2:15 PM
To: Higdon, Tonya (KYTC)
Subject: KY 1286 Corridor Improvement Study

This is in response to your 8/16/2013 letter to Secretary Audrey Tayse Haynes regarding the proposed KY 1286 Corridor Improvement Study in Paducah. The Cabinet for Health and Family Services anticipates no direct impact on our facilities in the Paducah area.

If you have any additional questions, feel free to e-mail or call me.

David Thomas
CHFS Policy Advisor
275 E. Main St. 5W-A
Frankfort, KY 40602

(502) 564-6746

Subject: FW: KY 1286 Corridor Improvement Study

From: Stephen.Wilson@faa.gov [mailto:Stephen.Wilson@faa.gov]

Sent: Tuesday, September 17, 2013 9:21 AM

To: Higdon, Tonya (KYTC)

Subject: KY 1286 Corridor Improvement Study

Tonya-

We have reviewed the above proposal and anticipate no impacts to local airport facilities.

Thanks

Stephen Wilson
Community Planner
Federal Aviation Administration
Memphis Airports District Office
2600 Thousand Oaks, Suite 2250
Memphis, TN 38118
Ph. 901-322-8185

-----Original Message-----

From: Sanderson, Joe D NFG (US) [<mailto:joe.d.sanderson2.nfg@mail.mil>]

Sent: Monday, October 07, 2013 11:18 AM

To: Dotson, Keith (KYTC)

Subject: No significant impact (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Hello Keith!

The Department of Military Affairs has received the Transportation Cabinet's request for agency input on the following projects:

August 16, 2013 Planning Study KY 1286 Corridor, McCracken County

September 23, 2013 Planning Study Mega Park Access Road, McCracken County September 27, 2013 Planning Study KY-3041 By-Pass Extension, Knox and Laurel Counties

We believe these projects would have no significant impact on DMA properties or our mission.

Thanks,

Joe Sanderson

Director

Facilities Division

Department of Military Affairs

502-330-9636

Classification: UNCLASSIFIED

Caveats: NONE



EDUCATION and WORKFORCE DEVELOPMENT CABINET
OFFICE OF THE SECRETARY

Steven L. Beshear
Governor

Capital Plaza Tower, 3rd Floor
500 Mero Street
Frankfort, Kentucky 40601
Phone (502) 564-0372
www.educationcabinet.kv.aov

Thomas O. Zawacki
Secretary

October 8, 2013

To: Mr. Keith R. Damron, P.E.
Director
Division of Planning
Department of Highways
Kentucky Transportation Cabinet
200 Mero Street
Frankfort, KY
40601

From: Ryan D. Green
Executive Director
Office of Budget and Administration
Kentucky Education and Workforce Development Cabinet
Capital Plaza Tower, 3rd Floor
500 Mero Street
Frankfort, KY
40601

Subject: Response to Various Planning Studies for Education and Workforce Development locations

Mr. Damron,

Please review the following comments and responses to several study requests sent to our Cabinet in the past year.

Subject: KY 1931 Planning Study from Dixie Hwy. (US 31 W) to I-264

Jefferson County, Louisville, Kentucky
Item No. 5-480.00

Comments:

- We have an OVR leased office located @ 3934 Dixie Hwy.
- This office is within a 1,000 feet from the end of the study area.
- No immediate impact.
- OVR customers should benefit at the end of the project, with improved traffic flow.

Subject: KY-3041 Corbin Bypass Extension Planning Study

City of Corbin, Knox and Laurel Counties, Kentucky





EDUCATION and WORKFORCE DEVELOPMENT CABINET
OFFICE OF THE SECRETARY

Steven L. Beshear
Governor

Capital Plaza Tower, 3rd Floor
500 Mero Street
Frankfort, Kentucky 40601
Phone (502) 564-0372
www.educationcabinet.kv.gov

Thomas O. Zawacki
Secretary

Item No. 11-190.00

Comments:

- No immediate impact.
- Could help customers coming from N I-75 have alternate route to our offices OVR & OET.

Subject: US 60 Bridge Replacement Scoping Study

Livingston County, Smithland, Kentucky
Item No. 1-1142.00

Comments:

- No properties in Livingston County.

Subject: KY 1286 Corridor Improvement Study

McCracken County, Paducah, Kentucky
Item No. 1-153.00

Comments:

- This proposed road work to occur over 2 miles away from our downtown location.
- No impact.

Subject: Mega Park Access Road Planning Study

McCracken County, Paducah, Kentucky
Item No. 1-153.00

Comments:

- This road proposal starts 3 miles from our office.
- No impact.





KENTUCKY COMMISSION ON HUMAN RIGHTS

Steve Beshear
Governor

The Heyburn Building
332 West Broadway, 14th Floor
Louisville, Kentucky 40202
Phone (502) 595-4024
Toll Free 1-800-292-5566
Fax (502) 595-4801
TDD (502) 595-4084
<http://kchr.ky.gov>

John J. Johnson
Executive Director

October 23, 2013

Keith Dotson, Acting Director
Division of Planning
Kentucky Transportation Cabinet
200 Mero Street, 5th Floor
Frankfort, KY 40622

Thank you for requesting our agency's input the KY 1286 Corridor Improvement Study, McCracken County, Paducah KY.

The Kentucky Commission on Human Rights is a state government agency charged with the enforcement of the Kentucky Civil Rights Act. The Act prohibits discrimination based on race, color, religion, and national origin in the following contexts: (1) employment; (2) sale or lease of real property; (3) public accommodations; (4) financing; (5) credit transactions; and (6) housing insurance. Discrimination on the basis of race, color, religion, and national origin is uniformly prohibited in all of these contexts; however, additional protected classes are identified in the six particular contexts as follows: (1) sex – all six contexts except public accommodations; (2) age – employment and financing; (3) disability – all six contexts except credit transactions; (4) familial status – sale or lease of real property, financing, and housing insurance; and (5) smoking status - employment.

The Kentucky Commission is also instructed to encourage fair treatment and foster mutual understanding and respect, and to discourage discrimination against any racial or ethnic group or its members. The agency conducts a comprehensive program of education, training, outreach, partnerships, and public awareness initiatives to vigorously carry out this task. With these mandates in mind, and in the spirit of fostering positive partnerships throughout the state, the Commission would like to be kept abreast of any contracts and subcontracts awarded to Disadvantaged Business Enterprises (DBE's) during the planning and implementation phases of this project.

Sincerely,
Mary Ann Taylor,
Supervisor, Education and Outreach

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OCT 25 2013

Div. of Planning