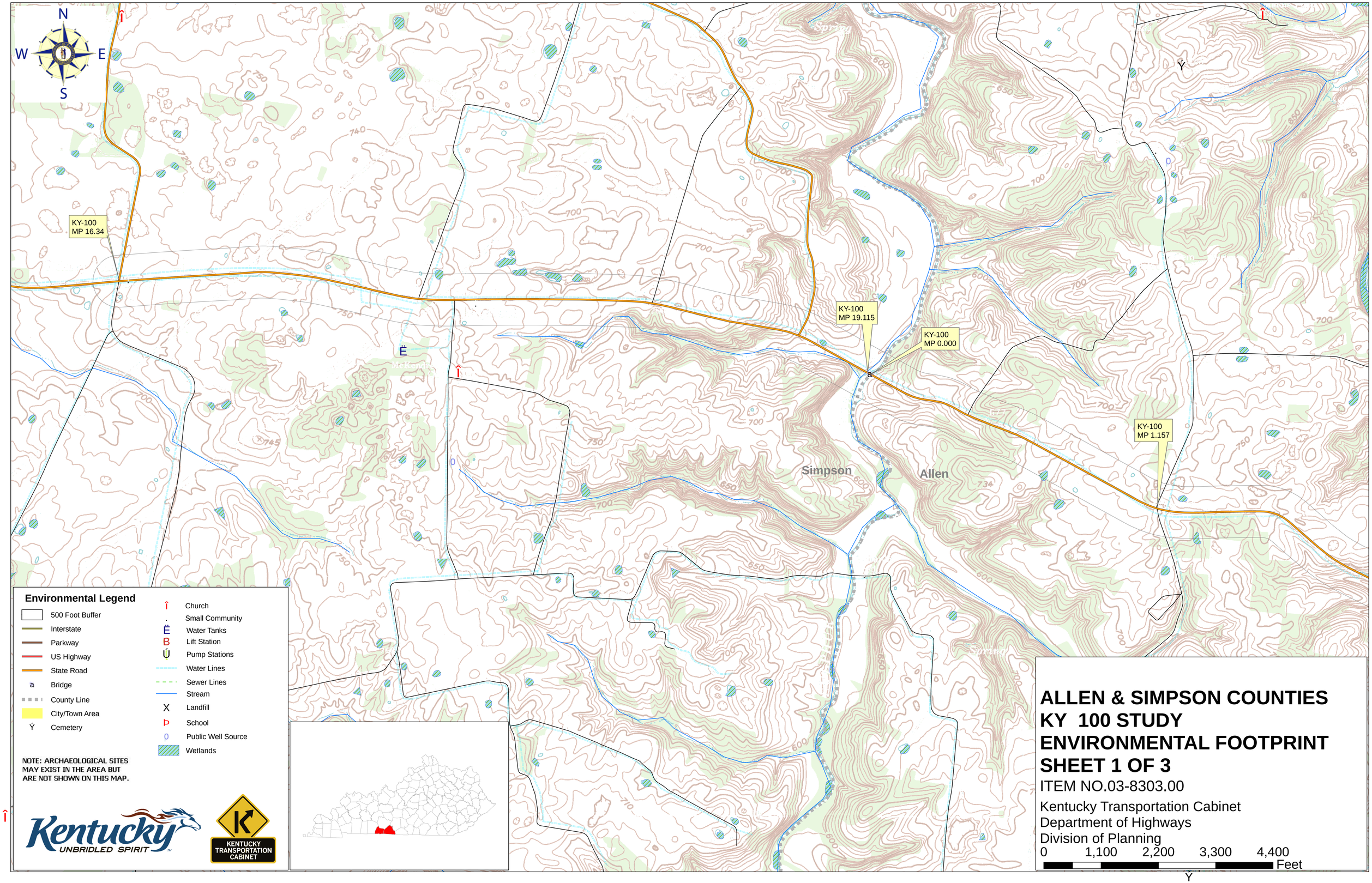
APPENDIX H

ENVIRONMENTAL OVERVIEW



ALLEN & SIMPSON COUNTIES
KY 100 STUDY
ENVIRONMENTAL FOOTPRINT
SHEET 1 OF 3

ITEM NO.03-8303.00

Kentucky Transportation Cabinet
Department of Highways
Division of Planning

0 1,100 2,200 3,300 4,400 Feet

Environmental Legend

- 500 Foot Buffer
- Interstate
- Parkway
- US Highway
- State Road
- Bridge
- County Line
- City/Town Area
- Cemetery
- Church
- Small Community
- Water Tanks
- Lift Station
- Pump Stations
- Water Lines
- Sewer Lines
- Stream
- Landfill
- School
- Public Well Source
- Wetlands

NOTE: ARCHAEOLOGICAL SITES MAY EXIST IN THE AREA BUT ARE NOT SHOWN ON THIS MAP.

Kentucky UNBRIDLED SPIRIT

KENTUCKY TRANSPORTATION CABINET

N W E S

KY-100 MP 6.737

KY-100 MP 2.07

Allen

ALLEN & SIMPSON COUNTIES KY 100 STUDY ENVIRONMENTAL FOOTPRINT SHEET 2 OF 3

ITEM NO. 03-8303.00

Kentucky Transportation Cabinet
Department of Highways
Division of Planning

0 1,100 2,200 3,300 4,400 Feet

Environmental Legend

- 500 Foot Buffer
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NOTE: ARCHAEOLOGICAL SITES MAY EXIST IN THE AREA BUT ARE NOT SHOWN ON THIS MAP.

Kentucky UNBRIDLED SPIRIT

KENTUCKY TRANSPORTATION CABINET

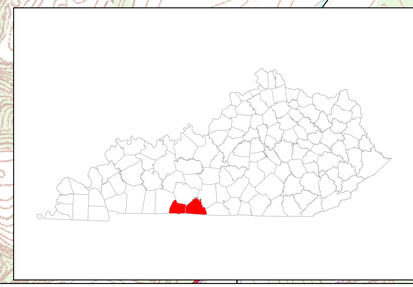
N W E S

KY-100 MP 12.654

KY-100 MP 7.368

Allen

Trailer Park



ALLEN & SIMPSON COUNTIES
KY 100 STUDY
ENVIRONMENTAL FOOTPRINT
SHEET 3 of 3

ITEM NO. 03-8303.00

Kentucky Transportation Cabinet
Department of Highways
Division of Planning

0 1,100 2,200 3,300 4,400 Feet

Division of Environmental Analysis

Environmental Review Considerations for Division of Planning Studies

Indicate whether the Area/Corridor(s)/Alternatives selection might potentially be influenced by any known information or reasonable extrapolations from available data.		
Y	**N**	**Archaeology**
☐	☒	Are there known archaeological sites within the proposed study areas that are either listed or potentially eligible for listing to the NRHP?
☒	☐	Are there study areas that, due to certain landform characteristics, have a higher potential for sites, especially NRHP eligible archaeological sites?
☐	☒	Are there study areas that could be recommended as having a lower potential for sites, especially NRHP eligible archaeological sites?
☐	☒	Does the distribution of sites suggest anything of importance to project location selection?
☐	☒	Are there any special concerns/considerations/circumstances that should be considered early in project development, such as a historical structure survey, that would further identify potential issues from an archaeological perspective?
Identify any areas that should be avoided, if possible, to minimize resource impacts. Unless the concerns noted above are equally distributed across all alternatives, corridors or study areas (should be so noted below), provide a specific explanation of varying degrees by which the areas studied would be influenced or affected by the known or potential resource(s).		
Comments: Potential corridor crosses several different landforms, many of which have a high potential to contain historic and prehistoric sites. All historic structures have potential to contain intact historic archaeological deposits.		
Y	**N**	**Cultural Historic Resources**
☒	☐	Are there known historic sites, districts, objects or structures within the proposed corridors that are either listed or potentially eligible for listing to the NRHP?
☐	☒	Has historic context of the area been developed that would allow the elimination of any buildings, districts, structures or objects that meet the 50 year old NRHP criterion?
☐	☒	Are there study areas that could be recommended as having a lower potential for historic sites, especially NRHP eligible historic sites?
☐	☒	Does the distribution of sites suggest anything of importance to project location selection?
Identify any areas that should be avoided, if possible, to minimize resource impacts. Unless the concerns noted above are equally distributed across all alternatives, corridors or study areas (should be so noted below), provide a specific explanation of varying degrees by which the areas studied would be influenced or affected by the known or potential resource(s).		

Comments:		
Y	**N**	**Socioeconomic**
☒	☐	Are there any low-income or minority communities identified within the proposed corridors?
☒	☐	Are there Prime Farmland soils identified within the proposed corridors?
☒	☐	Are there any communities and/or business districts within the proposed corridors?
☐	☒	Are there any public recreation areas, such as parks or waterfowl refuges, located within the proposed corridors?
☒	☐	Can one or more of the proposed corridors be recommended as having a lower potential for impacts to any of the resources identified above?
Identify any areas that should be avoided, if possible, to minimize resource impacts. Unless the concerns noted above are equally distributed across all alternatives, corridors or study areas (should be so noted below), provide a specific explanation of varying degrees by which the areas studied would be influenced or affected by the consideration of this known or potential impact.		
Comments: Input based on office research only. Data needs to be confirmed with the performance of a Socioeconomic Baseline.		
Y	**N**	**Air Quality**
☐	☒	Is the project in a conforming plan? (Planning will identify if in a nonattainment area)
☐	☒	Considering the project setting (urban/rural), design features (off ramps, etc.), and locations where traffic flow might be interrupted with signalization or other traffic control devices, is there reasonable potential for the project to have an Air Quality impact?
☒	☐	Is it expected that a base study or hot spot analysis will be required?
Identify any areas that should be avoided, if possible, to minimize air quality impacts. Unless the concerns noted above are equally distributed across all alternatives, corridors or study areas (should be so noted below), provide a specific explanation of varying degrees by which the areas studied would be influenced or affected by the consideration of this impact.		
Comments:		
Y	**N**	**Noise**
☒	☐	How many, what type and where are sensitive receptors within proximity to the proposed project?
		Indicate whether a base study will be required based upon the project adding through-lane capacity.
☐	☒	Will further study be required due to areas of the project anticipated to have a significant change in the vehicle types that drive the road? What type of and how much traffic will utilize the road? Is the traffic volume anticipated to be above 20,000 ADT?
☐	☒	Will there be a significant change in the grade of the road with regard to braking noise and downshifting engine noise?
☒	☐	With the spatial distribution of potential sensitive receptors, can recommendations be made regarding project location selection?

Identify any areas that should be avoided, if possible, to minimize noise impacts. Unless the concerns noted above are equally distributed across all alternatives, corridors or study areas (should be so noted below), provide a specific explanation of varying degrees by which the areas studied would be influenced or affected by the consideration of this impact.		
Comments: Potential minimal impacts to noise receptors.		
Y	**N**	**Underground Storage Tanks/Hazardous Waste**
☐	☐	Are there any known or listed State or Federal Superfund sites within proximity to the project and have they been addressed (closed)?
☐	☐	Are there any known or listed landfills, dumps or scrap yards within proximity to the project?
☐	☐	Have there been any reportable releases of regulated substances in or near the project area and have they been addressed (closed)?
☒	☐	Suggest limited phase 1 work by the consultant (costs = $1,500 to $3,000) including ERD search – attach to planning document for review when submitted to DEA.
☐	☐	When provided by Planning, comment on information from the public with regard specifically to UST/HAZ issues. For example, people may know of situations that have been unreported and that may be of concern such as spills of chemicals, unauthorized storage of discarded tires and materials, abandoned drum piles and above ground tanks etc…
Identify any areas that should be avoided, if possible, to minimize impacts. Unless the concerns noted above are equally distributed across all alternatives, corridors or study areas (should be so noted below), provide a specific explanation of varying degrees by which the areas studied would be influenced or affected by the consideration of this impact.		
Comments: KYTC-DEA UST/HAZMAT requests performing a Phase I Assessment in order to provide correct data to the above questions.		
Y	**N**	**Ecology**
☒	☐	Is there potential for the project to effect endangered species? Have the USFWS, KSNPC, and KDFWR species lists and/or websites identified any T&E species in the project area?
☒	☐	Would stringent erosion controls and/or stream avoidance be required?
☒	☐	Are any outstanding resource, special use waters, etc., present in the project area?
☒	☐	Is habitat for any listed T&E species know to exist in the project area?
☒	☐	Would a biological assessment or habitat assessment be required?
Identify any areas that should be avoided, if possible, to minimize impacts. Unless the concerns noted above are equally distributed across all alternatives, corridors or study areas (should be so noted below), provide a specific explanation of varying degrees by which the areas studied would be influenced or affected by the consideration of this impact.		

Comments: **Allen County has known maternity records for gray bat. Trammel Creek is a reference reach stream and a gray bat travel corridor. According to USFWS, gray bat, Indiana bat, clubshell mussel and fanshell mussel are all known to occur in Allen County, while rough pigtoe mussel has the potential to occur. Simpson County has ring pink mussel and littlewing pearly mussel as potentially occurring in addition to those species already listed. All of the listed mussel species utilize medium to large rivers. Clear spanning Trammel Creek would help minimize impacts to both bats and potentially mussels. Choosing an alignment that would require the least amount of tree cutting would also minimize impacts to bats as gray bats utilize forested riparian corridors and Indiana bats utilize trees with sloughing bark during the summer. Avoid open-throated sinkholes and caves to minimize impacts to bats.**		
Y	**N**	**Permits**
☒	☐	Are any known or potential wetlands present in the project area?
☒	☐	Will floodplains be impacted by the project?
☒	☐	Will any of the following likely be required for any of the study areas: 401 permit, 404 permit, ACE Section 10 permit, Coast Guard permit, FEMA map revision, other? (specify below by study area
Identify any areas that should be avoided, if possible, to minimize impacts. Unless the concerns noted above are equally distributed across all alternatives, corridors or study areas (should be so noted below), provide a specific explanation of varying degrees by which the areas studied would be influenced or affected by the consideration of this impact.		
Comments:		

POTENTIAL HISTORIC PROPERTY
Located at 7231 Scottsville Road
Franklin, Kentucky 42134

The resident of this home, Mrs. Laura Mullins, contacted the Bowling Green Highway District Office and stated that the home and farm are on the National Register of Historic Places. Photographs of the property are included below.