

KY 1531 (Johnson Road) Planning & Environmental Linkages Study

Item 5-80304.00

Local Officials and
Stakeholders
Meeting #1

Existing Conditions Review

June 11, 2026



Agenda

1

Study Overview

2

Project Schedule

3

Existing Conditions

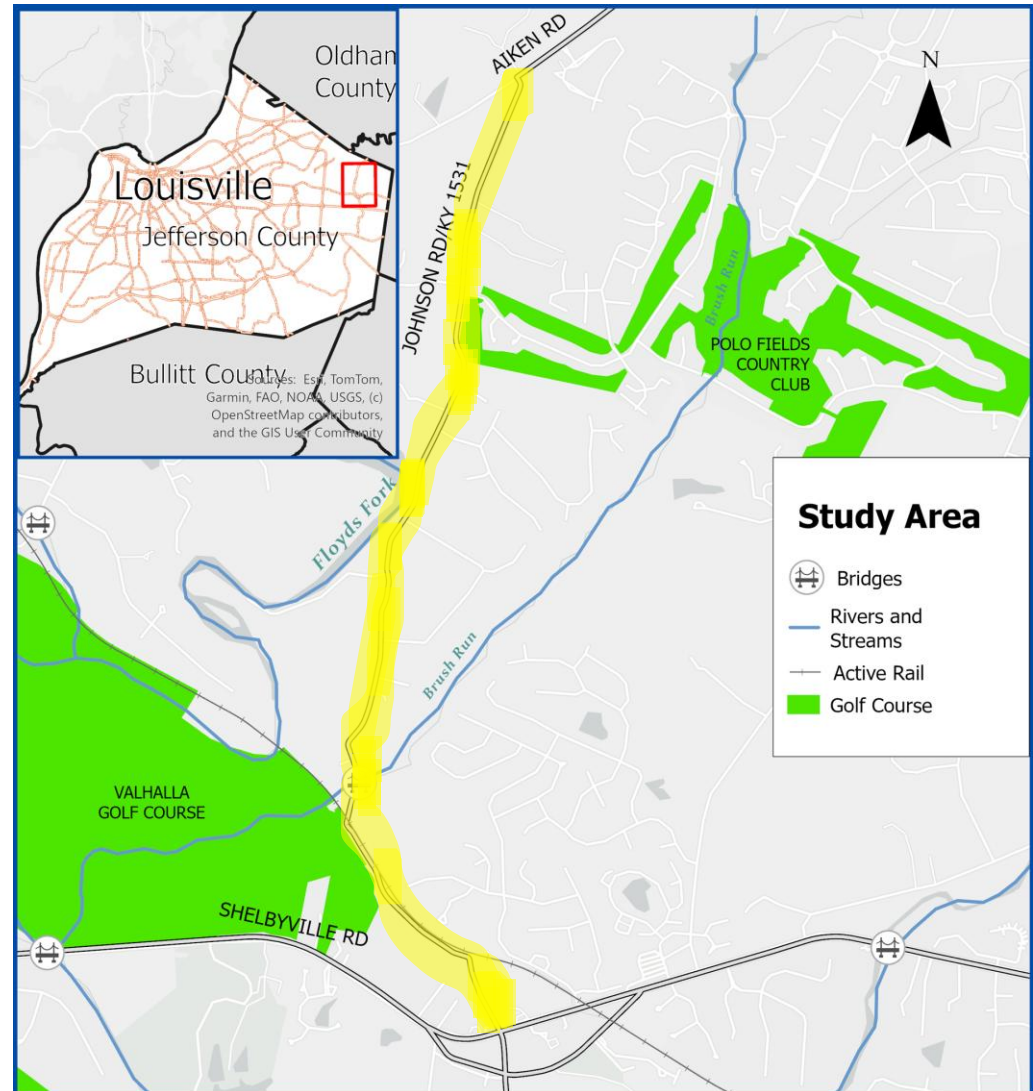
4

Next Steps



Study Area and Limits

- Study limits begin at US 60 (Shelbyville Rd) on the south end at MP 9.119 and end at Aiken Rd at MP 11.789
- Key features:
 - » Floyds Fork Watershed
 - » Brush Run Creek
 - » RJCC Old Branch Line railroad crossing
 - » Valhalla Golf Club/Course (Maintenance Facility entrance off KY 1531)
 - » Major existing, planned or proposed developments (included on next slide)

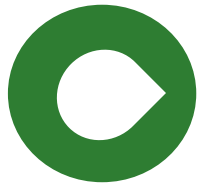


Study Purpose

- Project initiated KY 1531 to assess the need for improvements to the corridor in this ***rapidly growing area***.
- This once low-volume, county road has experienced ***development that is outpacing the road's condition***.
- As a PEL study, the intention of the project is to analyze existing conditions and prepare concepts that can ***quickly advance to design*** should funding become available.
- The study includes short- and long-term improvements/conceptual designs that KYTC (or other agencies) may use for further development and implementation.



What is a PEL?



Environment



Community



Economy

PEL Study Item 5-80304

What is a Planning and Environmental Linkages (PEL) Study?

A PEL Study is a high-level, early-planning process used for transportation decision making that considers benefits and impacts to the environment, community, and economy early in the planning stage, resulting in projects that can be carried through design and construction.

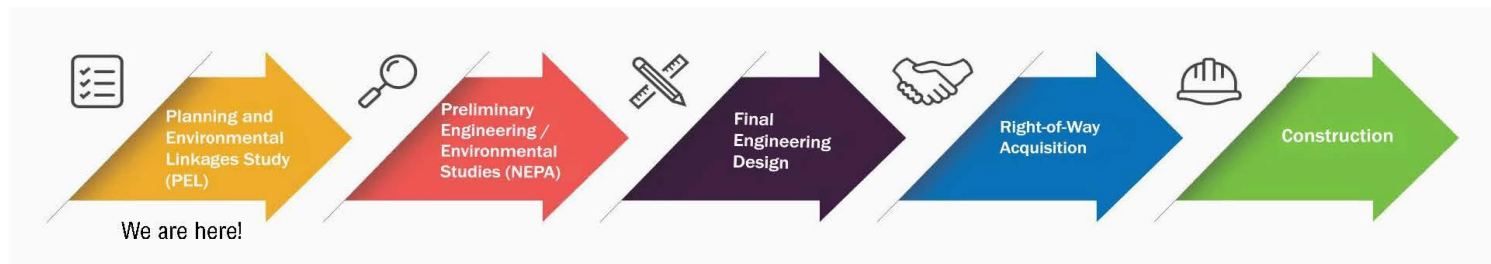
Why use PEL?

- Accelerated project delivery
- Early public and stakeholder involvement
- Minimize duplication of efforts
- Decisions and analysis to inform the next steps in the planning process
- Better communication

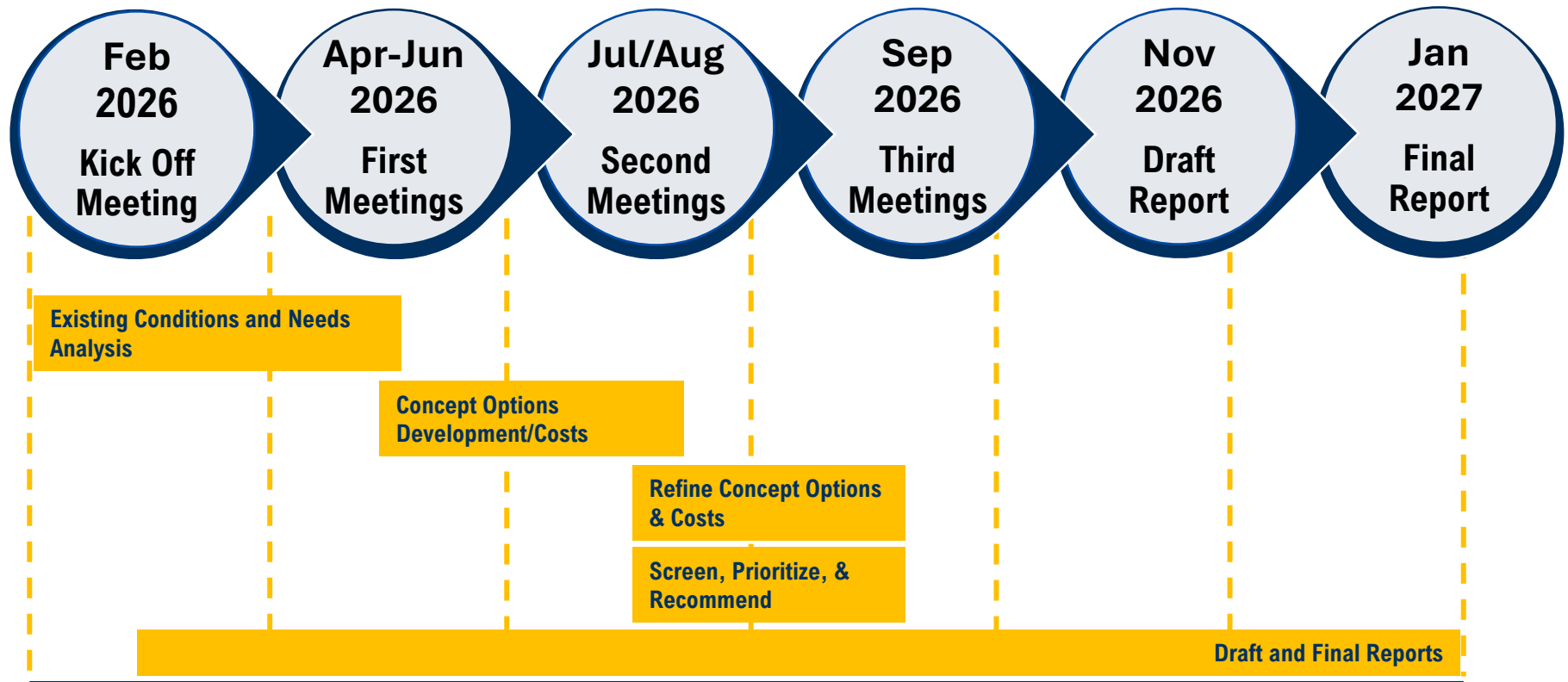
What is NEPA?

The National Environmental Policy Act (NEPA) was signed into law on January 1, 1970. NEPA requires federal agencies to assess the environmental effects of their proposed actions prior to making decisions. NEPA's objective is to improve Federal decision-making through early involvement of the public and Federal, state, tribal, and local agencies in the planning process and through disclosure of the impacts associated with proposed actions and alternatives.

What is the Process for Advancing Transportation Projects?



Project Schedule



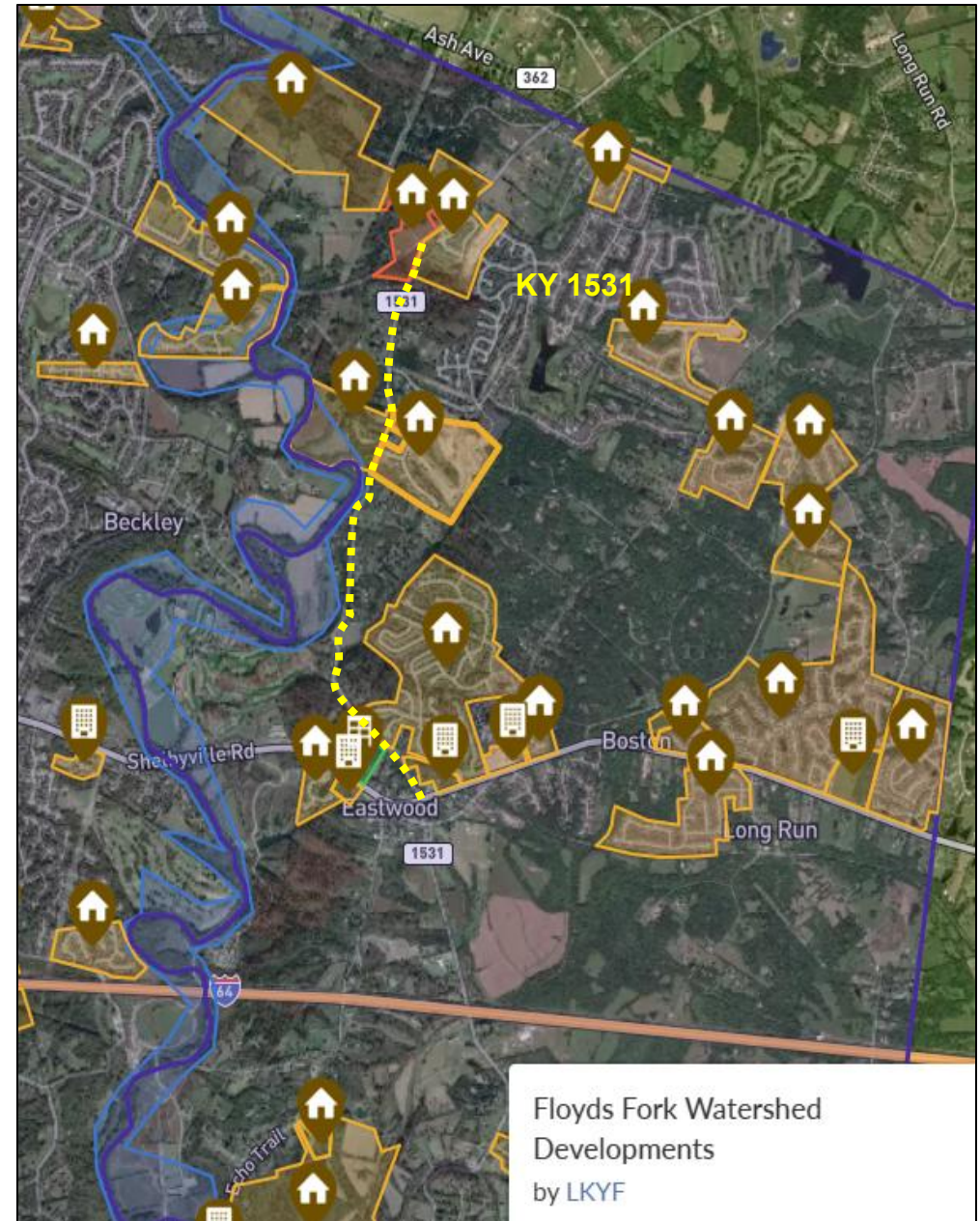
Future Phases in the Approved Highway Plan

Phase	Fiscal Year	Amount Funded
Design	2029	\$970,000
Right of Way Acquisition	2030	\$470,000
Utilities Relocation	2031	\$240,000
Construction	2032	\$10,190,000

Study Area – Approved Developments

Floyds Fork Watershed Developments

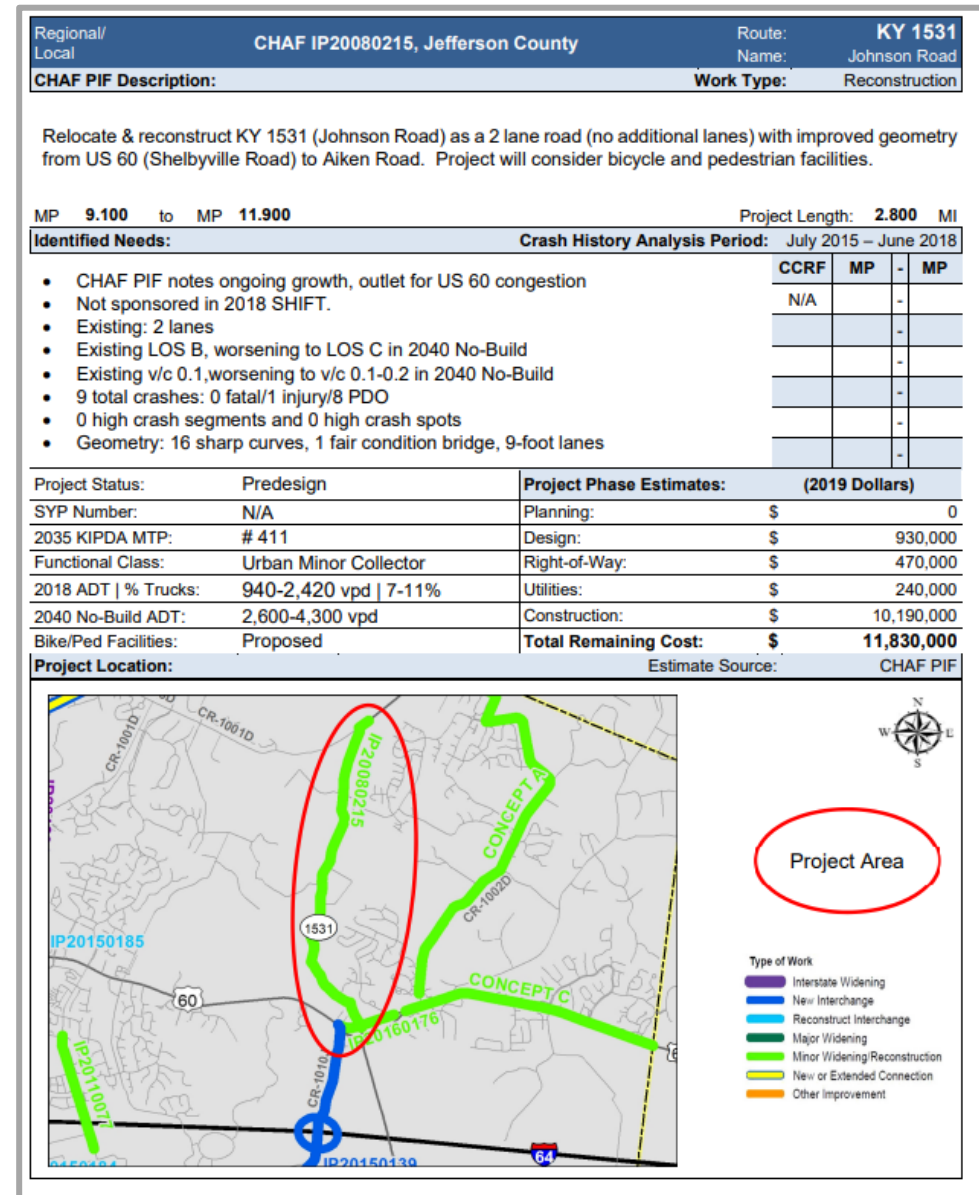
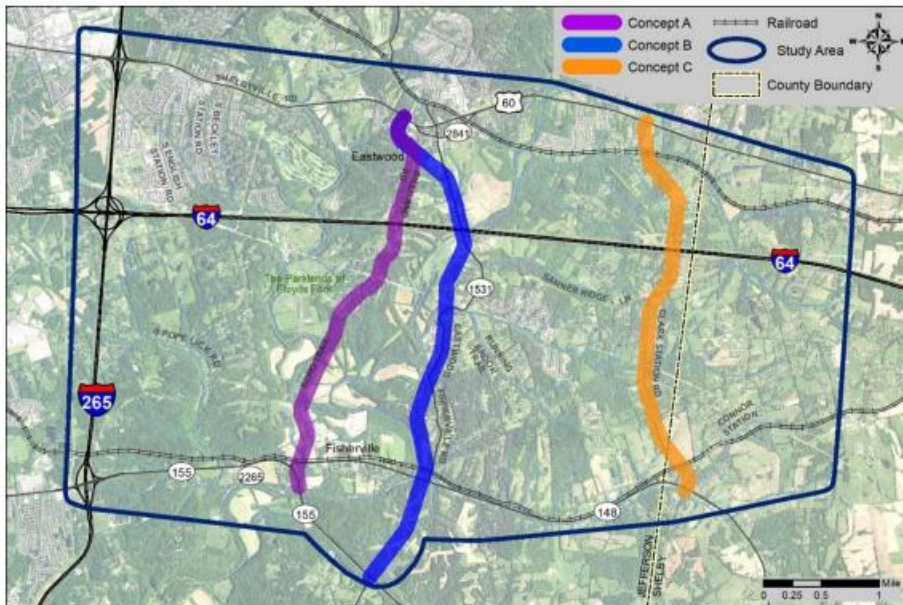
1. Parkland Terrace: 160-unit multifamily
2. VPR Properties: 8-acre business park (Medical)
3. Publix Grocery Store (Constructed)
4. Brookfield Subdivision (Built, no direct access)
5. The Overlook at Eastwood (Growing, 334 lots)
6. Johnson Rd Residential: 80 house, 81 apartments
7. Twin Lakes: 137 homes (Developer wants bridge)
8. Villas / Meadows / Manor: 237 homes (Developer wants bridge)
9. Curry Farms: 188 homes (Growing)
10. Aiken North Mixed: 866 apartments & retail



Planned and Committed Projects

Related Studies

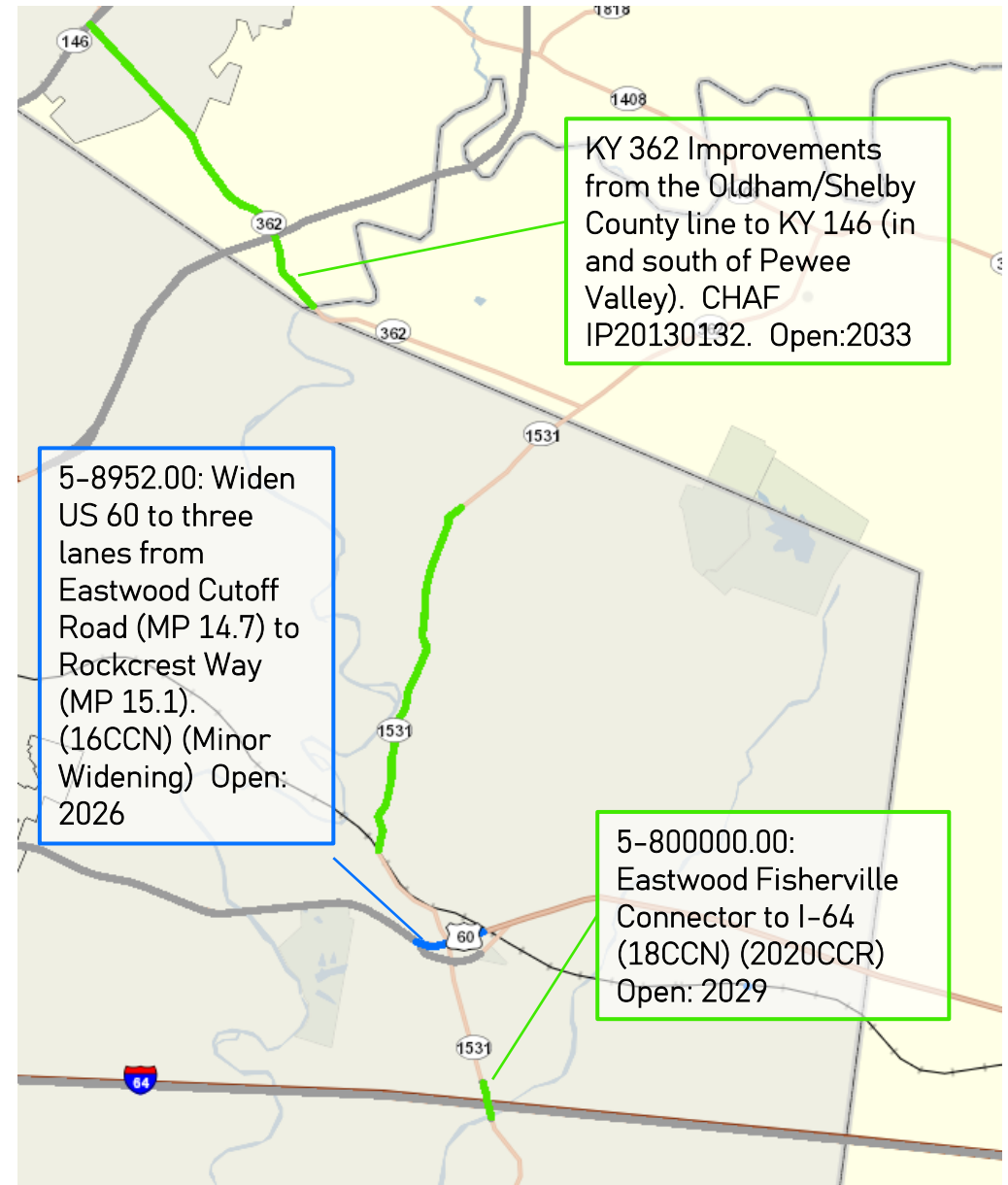
- » I-64 Interchange and Connector Study, Item No. 5-80000, 2024
- » Middletown to Simpsonville Needs Analysis Study, 2019



Planned and Committed Projects

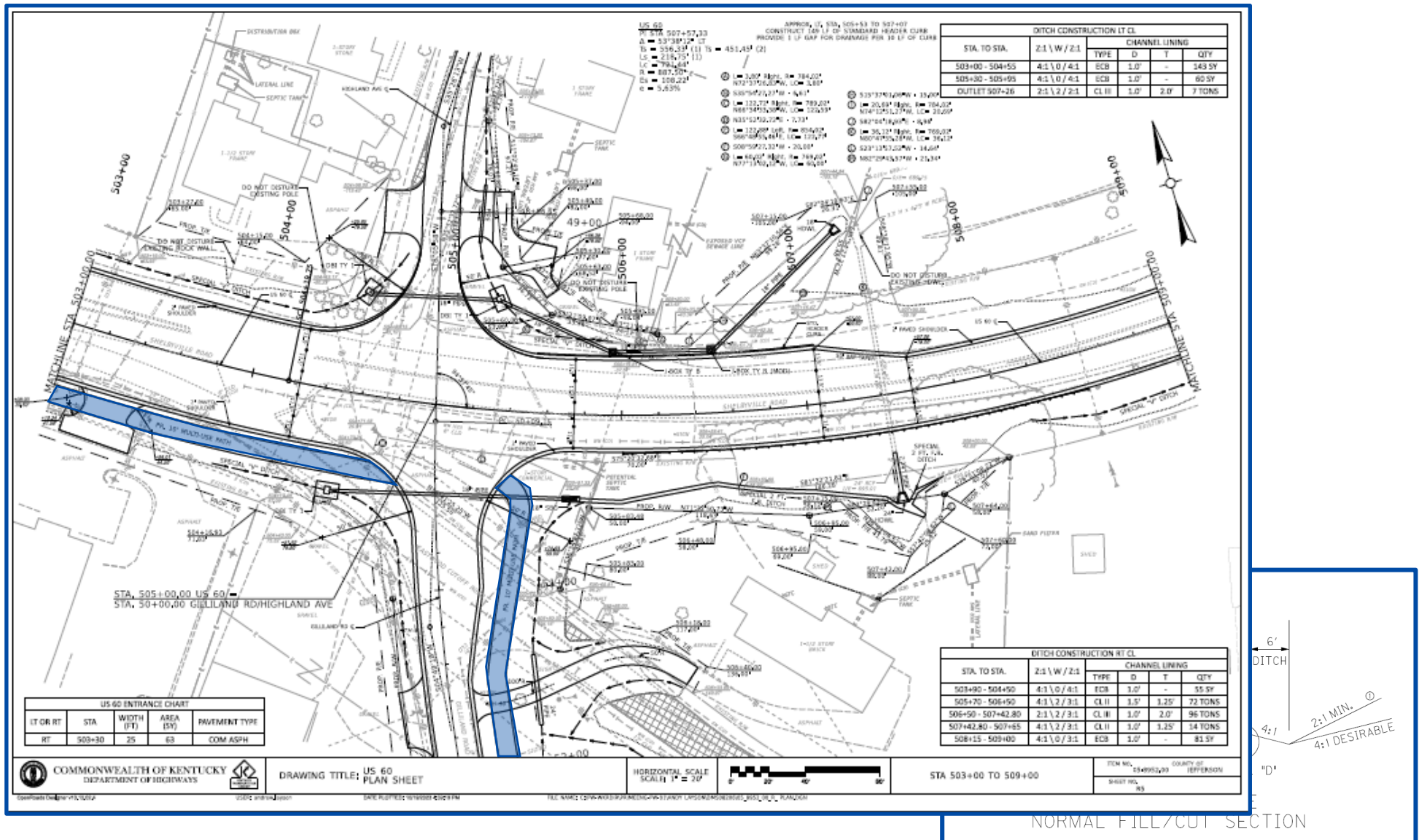
Active/Proposed Projects

- » 5-800000.00: Eastwood Fisherville Connector to I-64 (18CCN) (2020CCR)
- » 5-8952.00: Widen US 60 to three lanes from Eastwood Cutoff Road (MP 14.7) to Rockcrest Way (MP 15.1) (16CCN) (Minor Widening)
- » KY 362 Improvements from the Oldham/Shelby County line to KY 146 (in and south of Pewee Valley) CHAF IP20130132.



Planned and Committed Projects

Intersection Improvements – Highland Avenue



Discussion



Existing Conditions (Public Meeting #1 Exhibits)



Instructions:

Please review the information below regarding potential areas of concern and share your thoughts in **Part A** of the comment sheet provided.

PEL Considerations:

Environment



Community



Economy

Potential Issues:

- Widening at KY 1531 for an additional turn lane is constricted.
- There is no traffic signal at this location.
- It is difficult to turn onto US 60, especially left turns.
- There have been 15 crashes in five years.
- Traffic delays on KY 1531 create congestion.
- Sight distance to the east is impacted by parked vehicles.



Instructions:

Please review the information below regarding potential areas of concern and share your thoughts in **Part A** of the comment sheet provided.

PEL Considerations:

Environment



Community



Economy

Potential Issues:

- Turning radii are tight at the railroad crossing, which can cause stress for road users, especially during peak hours.
- Traffic delays on KY 1531 create congestion.
- The railroad creates a boundary constraint along this section of KY 1531.
- The Valhalla Golf Course Maintenance Facility entrance is located directly south of the railroad crossing, which can create a stress point.



Instructions:

Please review the information below regarding potential areas of concern and share your thoughts in **Part A** of the comment sheet provided.

PEL Considerations:

Environment



Community



Economy

Potential Issues:

- Development has potential entrance at crest of hill located on northern portion of this section. Potential sight distance issue.
- Sidewalks located along KY 1531 have no connections north or south of the Eastwood Bluffs development.
- Traffic delays on KY 1531 create congestion.
- Further development of Eastwood Bluffs increases number of potential road users



Instructions:

Please review the information below regarding potential areas of concern and share your thoughts in **Part A** of the comment sheet provided.

PEL Considerations:

Environment



Community



Economy

Potential Issues:

- Potential sight distance issue when looking south at the Crosstimbers Dr intersection.
- There has been 1 crash in five years.
- Traffic delays on KY 1531 create congestion.



Instructions:

Please review the information below regarding potential areas of concern and share your thoughts in **Part A** of the comment sheet provided.

PEL Considerations:

Environment



Community



Economy

Potential Issues:

- There is no traffic signal at this location.
- It is difficult to turn onto Aiken Rd at peak hours which could cause delays and backups.
- There have been 3 crashes in five years.
- Traffic delays on KY 1531 create congestion.
- Sight distance turning left from KY 1531 could be an issue.

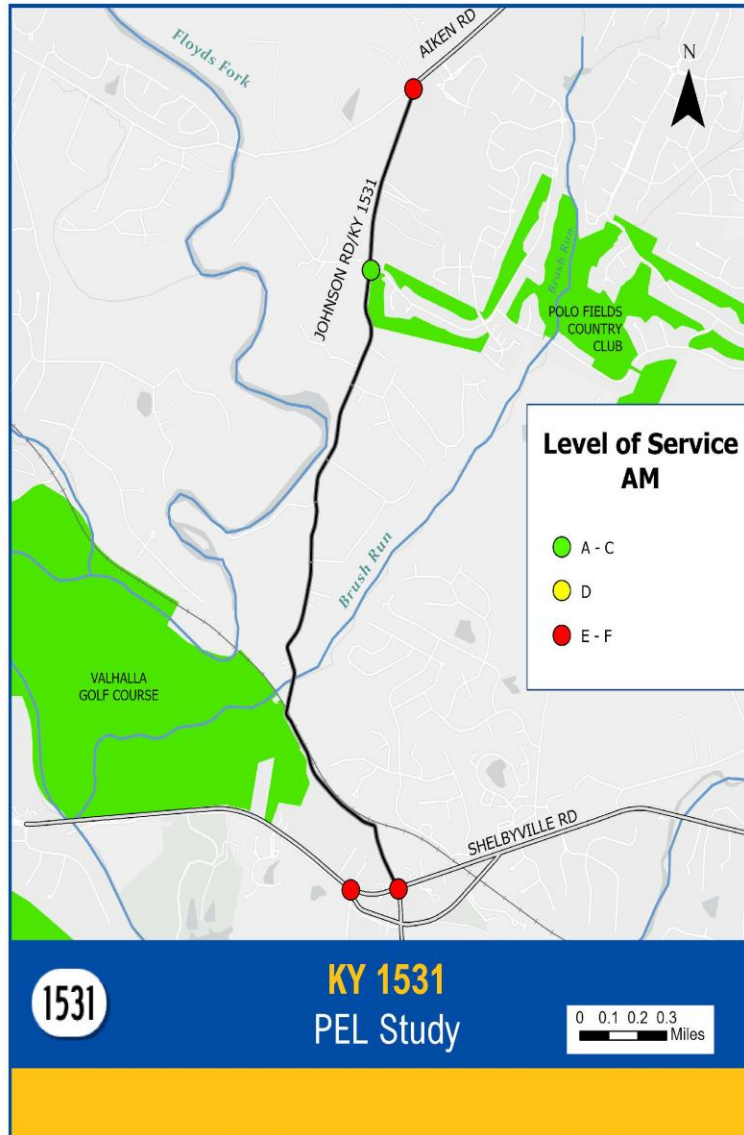


Instructions:

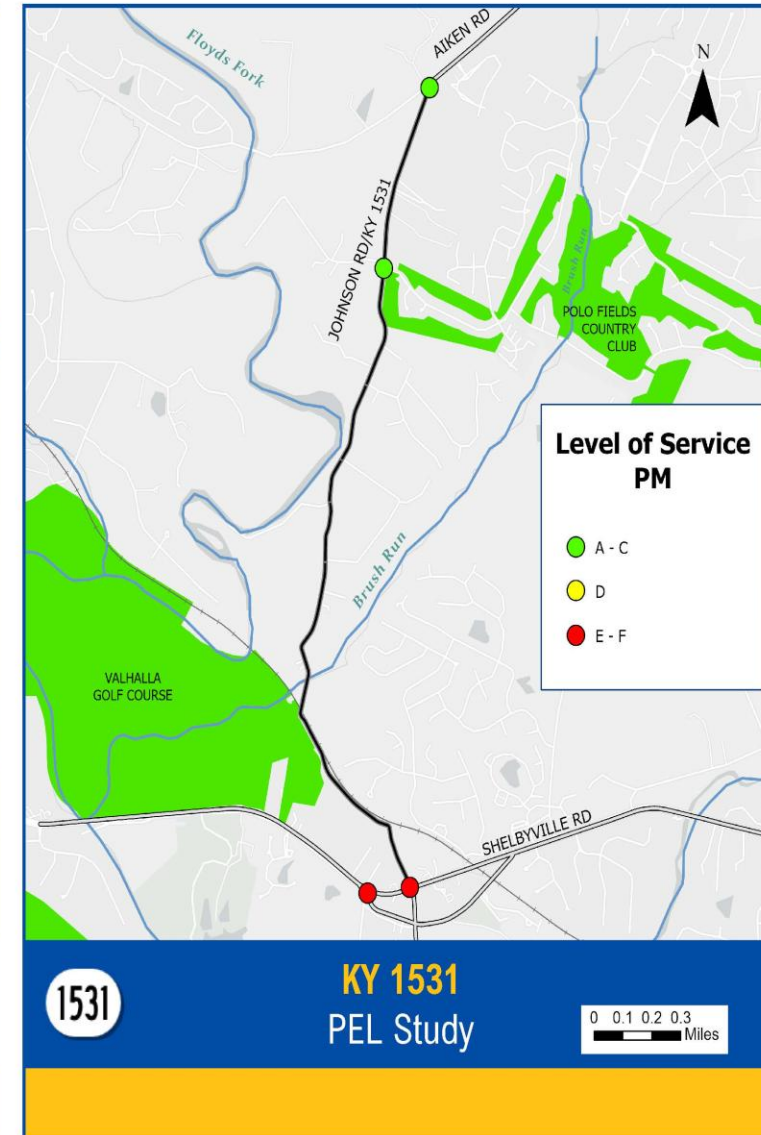
- 1) Please review the information on the maps and in the chart below.
- 2) Are there places along KY 1531, other than at the intersections with Shelbyville Rd and Aiken Rd, where you experience delays turning onto KY 1531?
- 3) If so, please take one of the red dot stickers and place it on the intersection on the map that corresponds to the time of day (AM or PM) when you experience this concern.
- 4) Next, please share any concerns about traffic in **Part B** of the comment sheet provided.

LOS	Vehicle Delay (seconds per vehicle)	
	Two-way stop-control & All-way stop-control	Signalized
A	≤ 10	≤ 10
B	> 10 – 15	> 10 – 20
C	> 15 – 25	> 20 – 35
D	> 25 – 35	> 35 – 55
E	> 35 – 50	> 55 – 80
F	> 50	> 80

2026 AM Traffic LOS



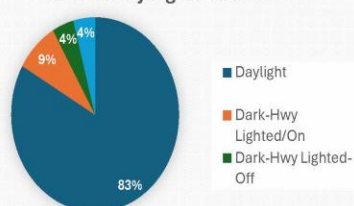
2026 PM Traffic LOS



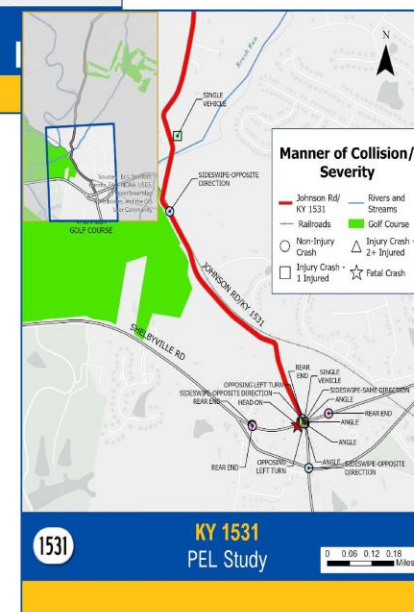
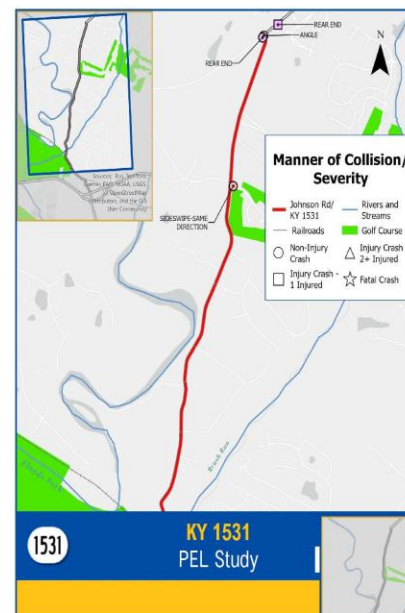
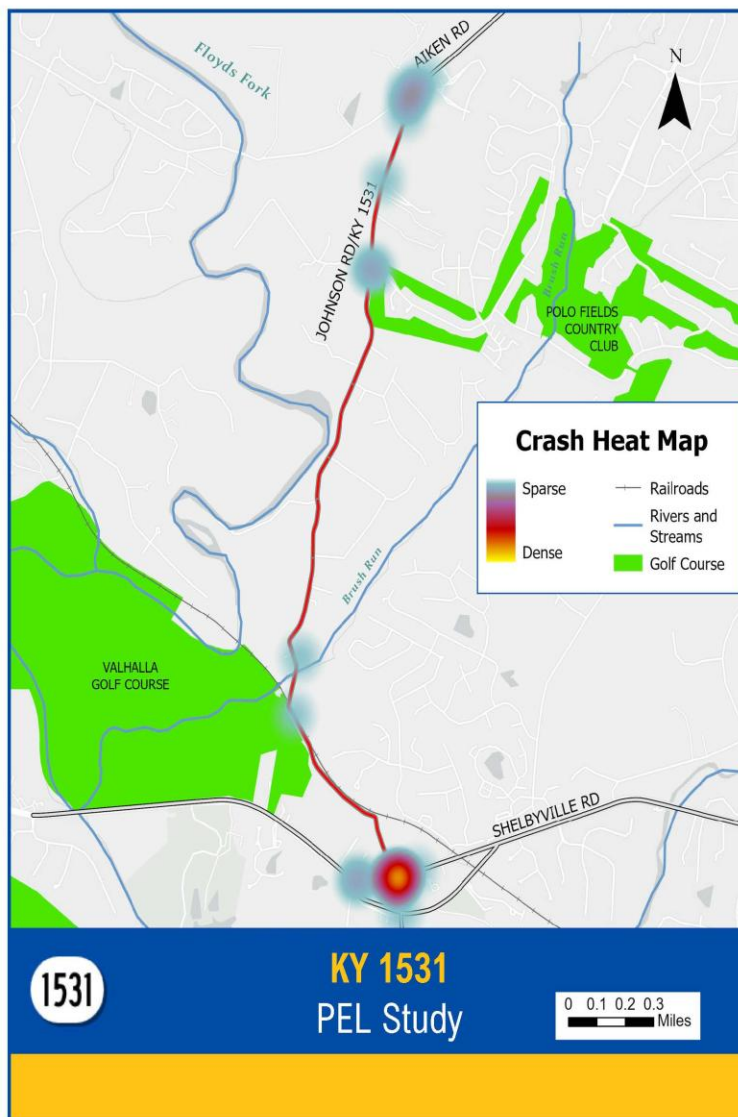
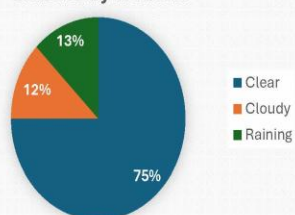
Instructions:

- 1) Please review the information on the maps.
- 2) Are there places along KY 1531, other than those shown, where you have safety concerns?
- 3) If so, please take one of the blue dot stickers and place it on any map on this board in the general area of your concern.
- 4) Next, please share your thoughts and concerns about your driving experience along KY 1531 in **Part C** of the comment sheet provided.

Crashes by Light Condition



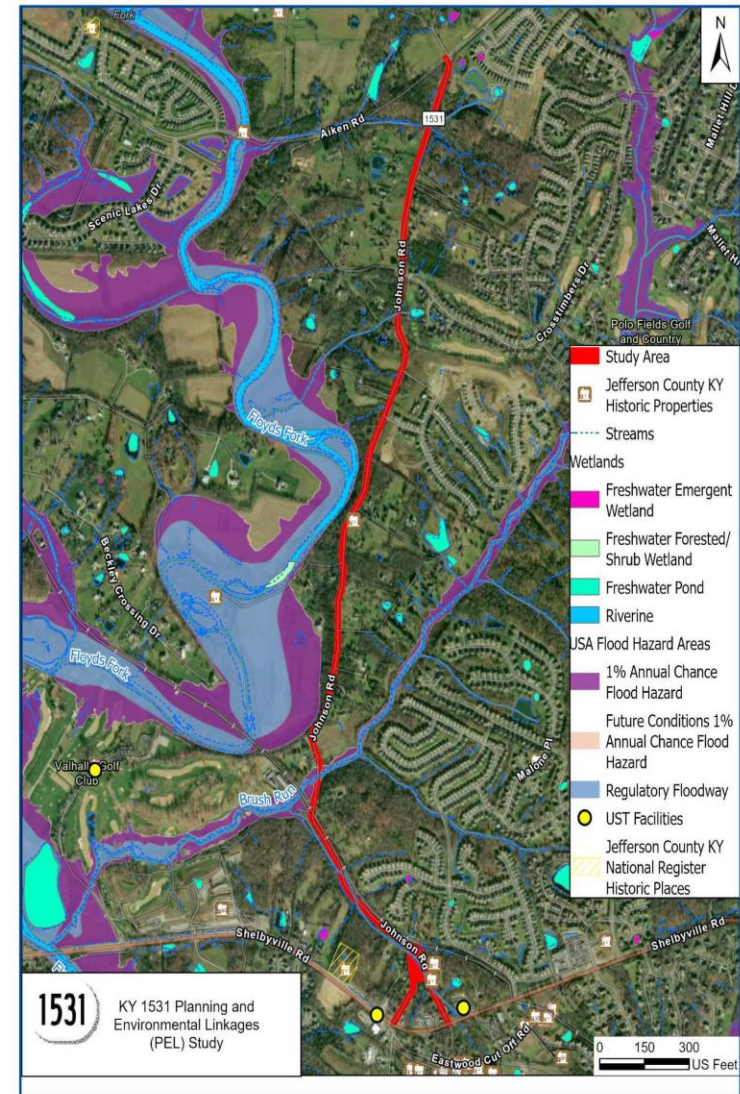
Crashes by Weather



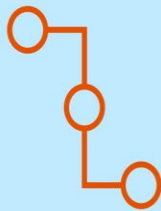
Instructions:

Please review the information below and on the map. If there are unique areas of environmental concern, provide comments in **Part D** of the comment sheet provided.

ENVIRONMENTAL FEATURE	STATUS WITHIN THE STUDY AREA
Karst	The study area falls outside an area of no potential for Karst.
Streams	There are two streams within the study area, Brush Run and Floyds Fork.
Wetlands	Two perennial riverine streambed wetlands, one freshwater emergent wetland and one freshwater pond.
Watersheds	The study area is within the Salt River watershed basin and the Floyds Fork regional watershed.
Endangered Species	The study area does not contain a critical habitat for any protected species.
Floodplains	There are two floodplains within the study area.
UST/HAZMAT	There are four Underground Storage Tanks (USTs) in the study area. All the identified USTs have a status of closed according to current records.
Utilities	There are several Metropolitan Sewer District utilities identified within the study area, including a sewer pump approximately 0.6 miles north of US 60.
Section 6(f)	There are no properties that qualify for this status in the study area.
Farmland	There is no viable prime farmland adjacent to the study area.
Noise	No long-term noise impacts are anticipated.
Air Quality	No long-term air quality impacts are anticipated.
Archaeology	There are no identified archaeological sites within the study area. The development of the area is not conducive to preserved archaeology.
Cultural Historic	There is one historic building southwest of the study area. The Robert Hord House sits on 3.5 acres at 15903 Shelbyville Road.
Churches	There are no churches that have been identified within the study area.
Schools	There are no schools within the study area.
Residential Relocations	Potential concern with new connector.



PROPOSED DRAFT: The objective of this study is to analyze the traffic movements along KY 1531 to provide short- and long-term concepts that support safe mobility and connectivity. Improvement concepts should aim to achieve as many of the following goals as possible:



Facilitate safe mobility and connectivity throughout the corridor to accommodate ongoing development.



Minimize impacts to the environment including the Floyds Fork Watershed.



Address safety and capacity at intersection with US 60 (Shelbyville Rd) to include possible realignment of KY 1531 at Highland Ave.



Improve intersection with Aiken Rd.



Instructions:

Please review the information on this board and provide your opinion on these goals and objectives as instructed in **Part E** of the comment sheet provided.

Discussion



Next Steps

1.

Improvement Concepts
Development

2.

Cost Estimates

3.

PEL Checklist

4.

Second Round of Meetings

5.

Draft Report



Improvement Concepts



Corridor
Alternatives



Spot
Improvements



Intersection
Improvements



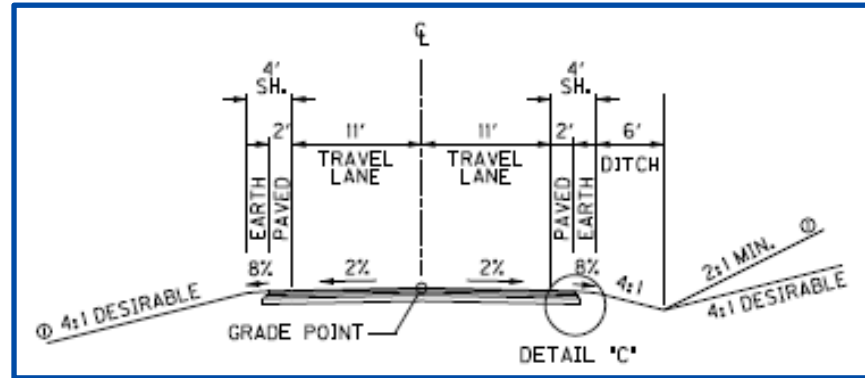
Bicyclist/
Pedestrian
Concept(s)



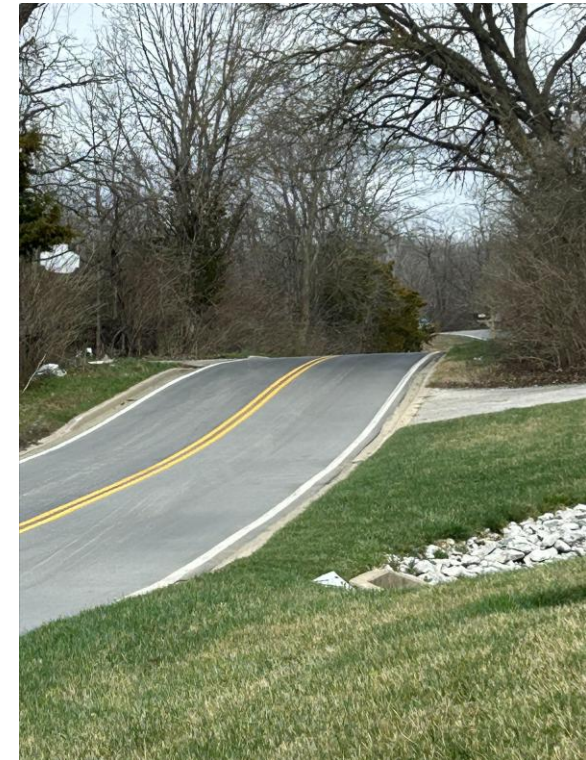
Improvement Concepts



Corridor Alternatives



Spot Improvements



Improvement Concepts

+ Intersection Improvements

Highland Ave
(Looking North)



Aiken Rd and KY 1531
Looking West)



KY 1531 and
US 60 (Looking
South)



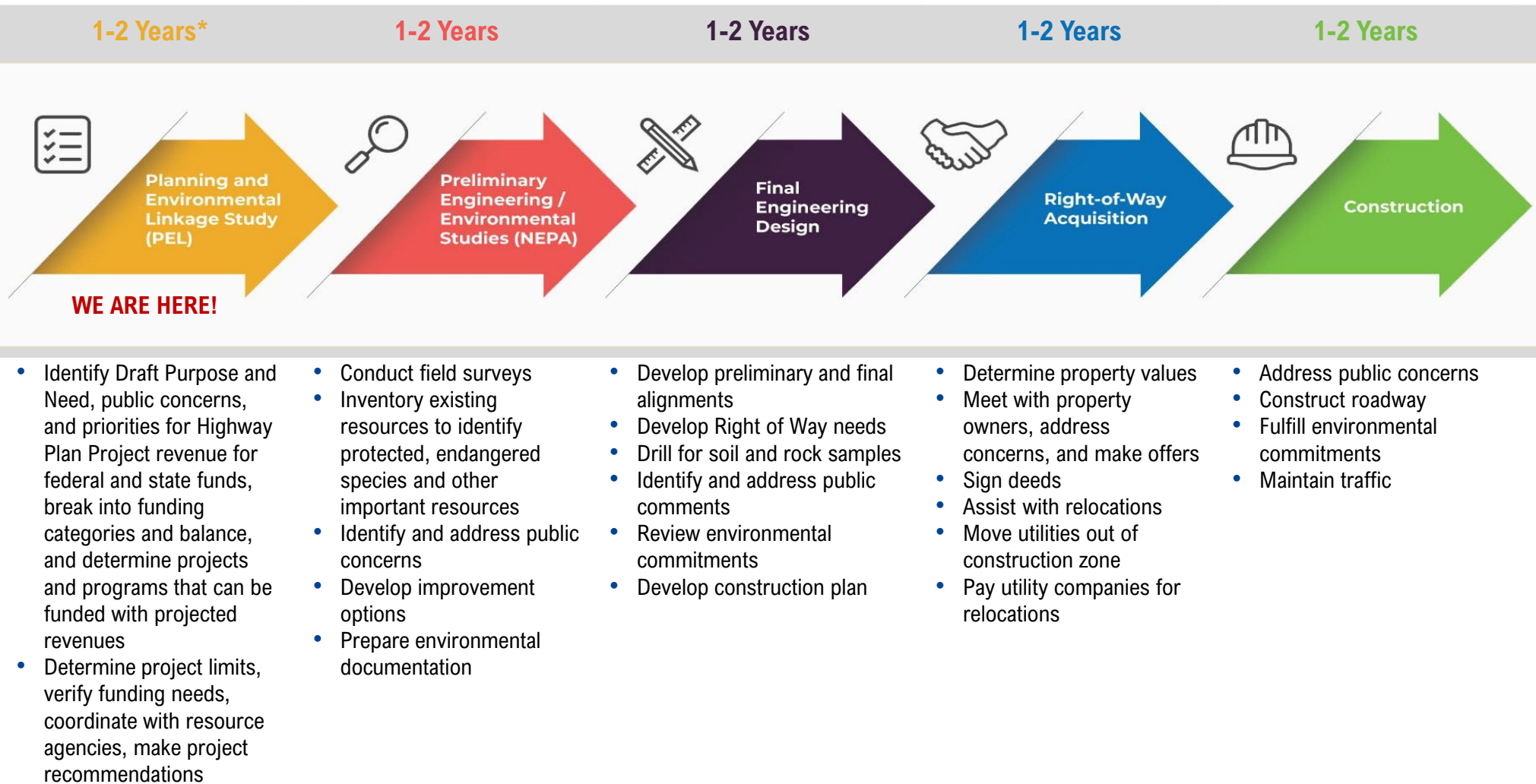
Bicyclists/Pedestrian Concept(s)

- Need
- Connections
- Types

US 60 Trail west
of study area



How KYTC Builds Roads



**Planning & Programming*

Note: Assumes reliable source of funds from the General Assembly

Discussion

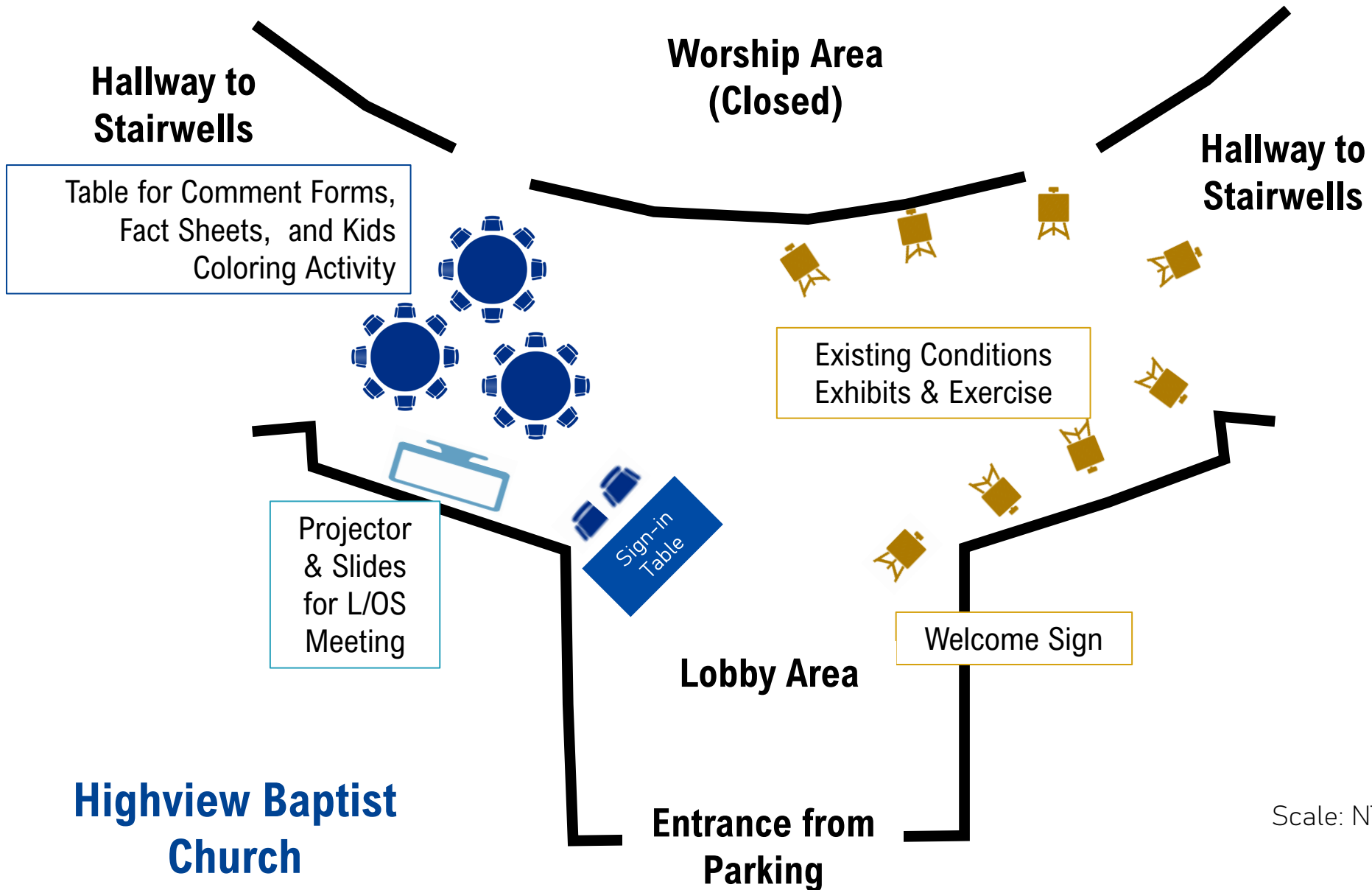


Thank You!

If you would like to provide additional input, you can access the study website and survey link using the QR code below. This survey will remain open through July 10, 2026.



Public Meeting Format



Public Meeting Format

**Entrance from
Parking**

Welcome Sign

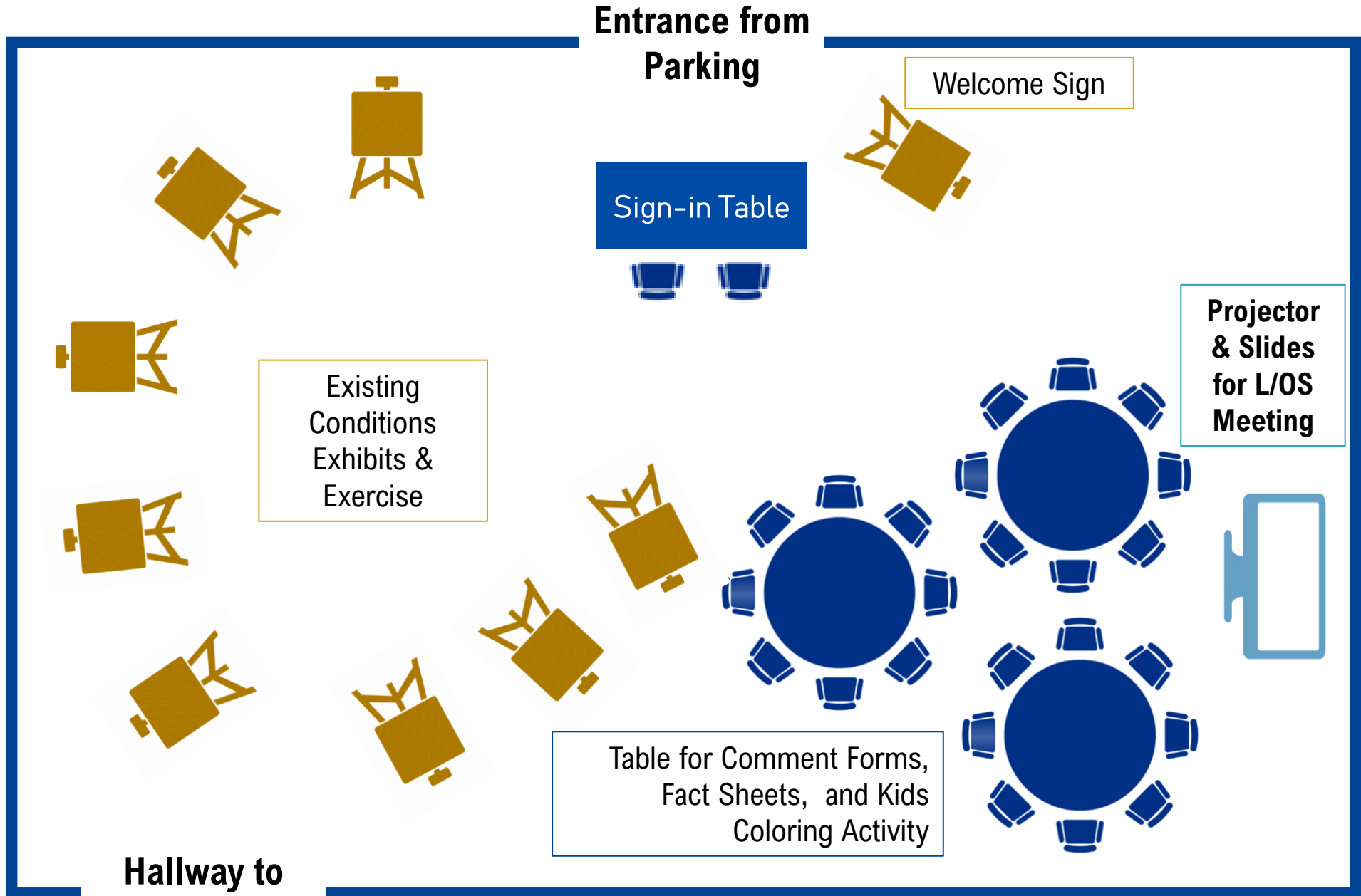
Sign-in Table

Existing
Conditions
Exhibits &
Exercise

Projector
& Slides
for L/OS
Meeting

Table for Comment Forms,
Fact Sheets, and Kids
Coloring Activity

**Hallway to
Restrooms**



Welcome and thank you for attending this meeting and sharing your thoughts. Throughout the meeting space there are exhibits which show maps that correspond to the questions below. Please do not hesitate to ask a team member if you have any questions.

Part A: Issues (Board 1A to Board 1E)

Do you have any concerns about regarding traffic flow or growth on KY 1531 (Johnson Rd)? If so, please describe.

Part B: Corridor Traffic Conditions

Are there locations along KY 1531 (Johnson Rd) where you experience traffic concerns such as congestion or delays? If so, please describe.

Part C: Corridor Safety Conditions

Are there locations along KY 1531 (Johnson Rd) where you feel uncomfortable driving or have experienced unsafe behavior from other drivers? If so, please describe.

Part D: Corridor Environmental Overview

Are there locations along KY 1531 (Johnson Rd) where there are unique environmental features we should consider in the development of concepts? If so, please describe.

Part E: Draft Goals and Objectives

Do you agree with the draft goals and objectives for the project? If not, what would you change.

Part F: Improvement Options

Which of the following describe the types of improvements that you would like to see along KY 1531 (Johnson Rd)? Please check all that apply.

- ☐ Widen/add lanes
- ☐ Widen/add shoulders
- ☐ Add multimodal (bicyclists and pedestrian) facilities
- ☐ Reduce sharp curves
- ☐ Improve intersection with US 60 (Shelbyville Rd)
- ☐ Improve intersection with Aiken Rd
- ☐ Improve intersection with _____ (fill in name of cross street)
- ☐ Reduce the vertical hills
- ☐ Improve sight distance at intersection of _____ (fill in name of cross street)
- ☐ Decrease travel time/speed along the corridor
- ☐ Improve signage along the corridor
- ☐ Improve pavement conditions along the corridor
- ☐ Improve drainage along the corridor
- ☐ Add turn lanes at intersection of _____ (fill in name of cross street)
- ☐ Other: _____

Part G: Demographics (Optional)

Providing the information below is **optional** and allows KYTC to evaluate whether outreach is reaching all users. Your responses will be used only for planning and reporting purposes.

- ZIP code: _____

Age group:

☐ Under 18

☐ 18–24

☐ 25–44

☐ 45–64

☐ 65+
- Do you consider yourself to have a disability?

☐ Yes

☐ No

☐ Prefer not to say

Do you speak a language other than English at home?

☐ Yes

☐ No

☐ Prefer not to say

If yes, which language? _____

Share any other information/comments in the space below.

If you would like to be added to the mailing list for project updates, please complete the information below.

Name: _____

Email: _____

Address or Neighborhood: _____

Thank you for completing this comment sheet! Please return it to the basket labeled “Comment Sheets” or hand to a Team Member.

"Under KRS 516.030, falsely completing, making, or altering this document with the intent to defraud, deceive, or injure another is forgery in the second degree, a Class D felony."

Project Fact Sheet

Item 5-80304

Overview

KYTC has initiated a Planning and Environmental Linkages Study (PEL) for KY 1531 (Johnson Rd) in Eastern Jefferson County. This study will be used to consider environmental, community, and economic benefits of improvements to the Study Area. This is a critical first step in the NEPA process along with any design and construction work.

Statewide Highway Plan and Funding

Relocate & reconstruct KY 1531 (Johnson Rd) with improved geometry from US 60 (Shelbyville Rd) to Aiken Rd. Project will consider a 2-lane road (no additional lanes) and a 4- to 6-foot shoulder. (2024CCN)

Phase	Fund	FY2029	FY2030	FY2031	FY2032
PL					
DN	SPP	970,000			
RW	SPP		470,000		
UT	SPP			240,000	
CN	SPP				10,190,000
Project Cost:		970,000	470,000	240,000	10,190,000

Purpose and Need Statement

The purpose of this study is to determine the need for potential transportation improvements for KY 1531 (Johnson Rd) from US 60 (Shelbyville Rd) to Aiken Rd in Jefferson County and then develop and evaluate short- and long-term concepts to address those needs.

Goals



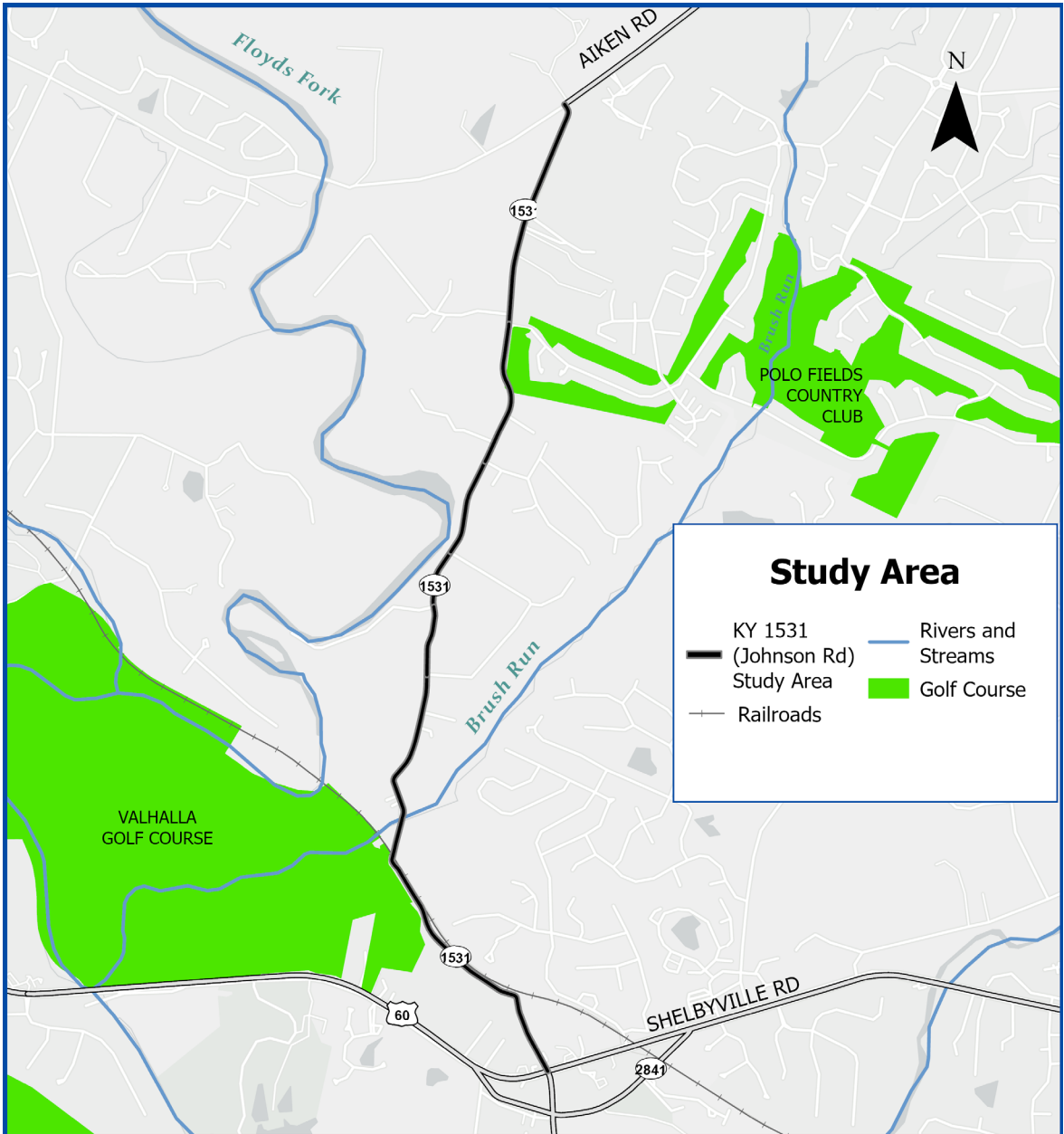
Facilitate safe mobility and connectivity throughout the corridor to accommodate ongoing development

Minimize impacts to the environment including the Floyds Fork River and Watershed

Improve intersection with US 60 (Shelbyville Rd) to include possible realignment of KY 1531

Improve intersection with Aiken Rd

Study Area



1531

KY 1531
PEL Study

0 0.1 0.2 0.3
Miles

What is a Planning and Environmental Linkages (PEL) Study?

A PEL Study is a high-level, early-planning process used for transportation decision making that considers benefits and impacts to the environment, community, and economy early in the planning stage, resulting in projects that can be carried through design and construction.

Why use PEL?

- Accelerated project delivery
- Early public and stakeholder involvement
- Minimize duplication of efforts
- Decisions and analysis to inform the next steps in the planning process
- Better communication

What is NEPA?

The National Environmental Policy Act (NEPA) was signed into law on January 1, 1970. NEPA requires federal agencies to assess the environmental effects of their proposed actions prior to making decisions. NEPA's objective is to improve Federal decision-making through early involvement of the public and Federal, state, tribal, and local agencies in the planning process and through disclosure of the impacts associated with proposed actions and alternatives.

What is the Process for Advancing Transportation Projects?

