

KY 303 Cuba Road Improvement Project

Graves County, KY - KYTC Item #1-80103

PUBLIC MEETING HANDOUT

MAY 2023

The Kentucky Transportation Cabinet (KYTC) is developing a project to improve KY 303 (Cuba Road) between Charles Drive and KY 121 (Paris Road). The project also includes intersection improvements at the KY 303 / KY 121 intersection.

The purpose of the project is to improve safety, mobility, and traffic flow, as well as facilitate bicycle and pedestrian movements, along the KY 303 corridor. This route serves as a commuter link between the southern half of Graves County and the city of Mayfield. There are numerous residential, commercial, and recreational developments along the corridor. The corridor has congestion and accident issues due to the high traffic volumes and numerous access point conflicts. Improving pedestrian and bicycle access to Kiwanis Park and Kess Creek Park is a priority for the City of Mayfield.

Early in the design process it was determined that a horizontal alignment alternate that shifted the KY 303 widening to the east or the west would not be a viable solution. Either of these widening options would have significant impacts throughout the KY 303 corridor. With that, a symmetrical widening alternate was developed that minimizes property impacts by slightly adjusting the alignment to the east and to the west with a three-lane curb and gutter typical section comprised of 11' lanes, 13' center turn lane, 5' sidewalk on the east, and a 10' Multi-use-Path on the west.

The proposed KY 303 improvements include the widening of the current roadway to accommodate the addition of a Two Way Left Turn Lane throughout the study area. From a traffic standpoint, this provides the opportunity for left turn movements from the minor streets to utilize the middle lane (reducing the delay associated with left-turns) and for left-turn movements from KY 303 to use as refuge from the through traffic stream.

At the northern end of the project area several intersection concepts were considered to improve the current KY 303 & KY 121 intersection. The existing intersection configuration has a significant skew angle causing operational and safety issues. The two proposed concepts of a signalized Split-T intersection (utilizing KY 121 & Douthitt Street as the second branch of the "T") and a Peanut Roundabout were considered. Based on the analysis results, both intersection configurations are anticipated to operate adequately. From a safety perspective, the two proposed build concepts should improve intersection safety through the area qualitatively. The two proposed concepts have far fewer conflicts points than a traditional signalized intersection, reduce the number of crossing conflicts, and eliminate the skew angle of the two roadways. Based on the results of the traffic analysis, either proposed build concept of the Split-T or Peanut Roundabout are recommended for further consideration. These concepts work operationally and are anticipated to provide safety improvements; however, other constraints such as project cost, right-of-way, environmental, and stakeholder input may influence the decision-making process between the concepts.

The road building process, as shown below, progresses through many stages before construction can begin. The Preliminary Design & Environmental analysis step should be completed by the end of 2023, allowing KYTC to prepare final designs and begin partial right-of-way acquisition in 2024.



ENVIRONMENTAL

- ① No historic structures eligible for the National Register of Historic Places in the project area
- ② No archaeological resources in the project area
- ③ Minor issues with USTs and hazardous materials in the project area avoided with current design
- ④ No environmental justice issues as improvements will provide benefits to the community with the installation of new pedestrian facilities
- ⑤ Kiwanis Park is a Section 4(f) and 6(f) resource: (see map shown above)
 - FHWA will recommend a de minimis impact determination per 23 CFR 774.3 after public input and approval from authority with jurisdiction (Mayor)
 - The Department of Local Government (DLG) has agreed the current design proposing a multi-use path and drainage improvements does not require a 6(f) conversion
- ⑥ A Categorical Exclusion (CE) Document identifying the impacts of the project to the natural and human environment will be completed during the final design phase

Typical KYTC Process to Build a Road

- 1 Project Planning & Programming
- 2 Preliminary Design & Environmental Studies
- 3 Final Design
- 4 Right of Way Acquisition
- 5 Utility Relocation
- 6 Construction

The project team would like your input: What intersection at KY 121 works best? Do you know of any environmental, community, or right-of-way issues?

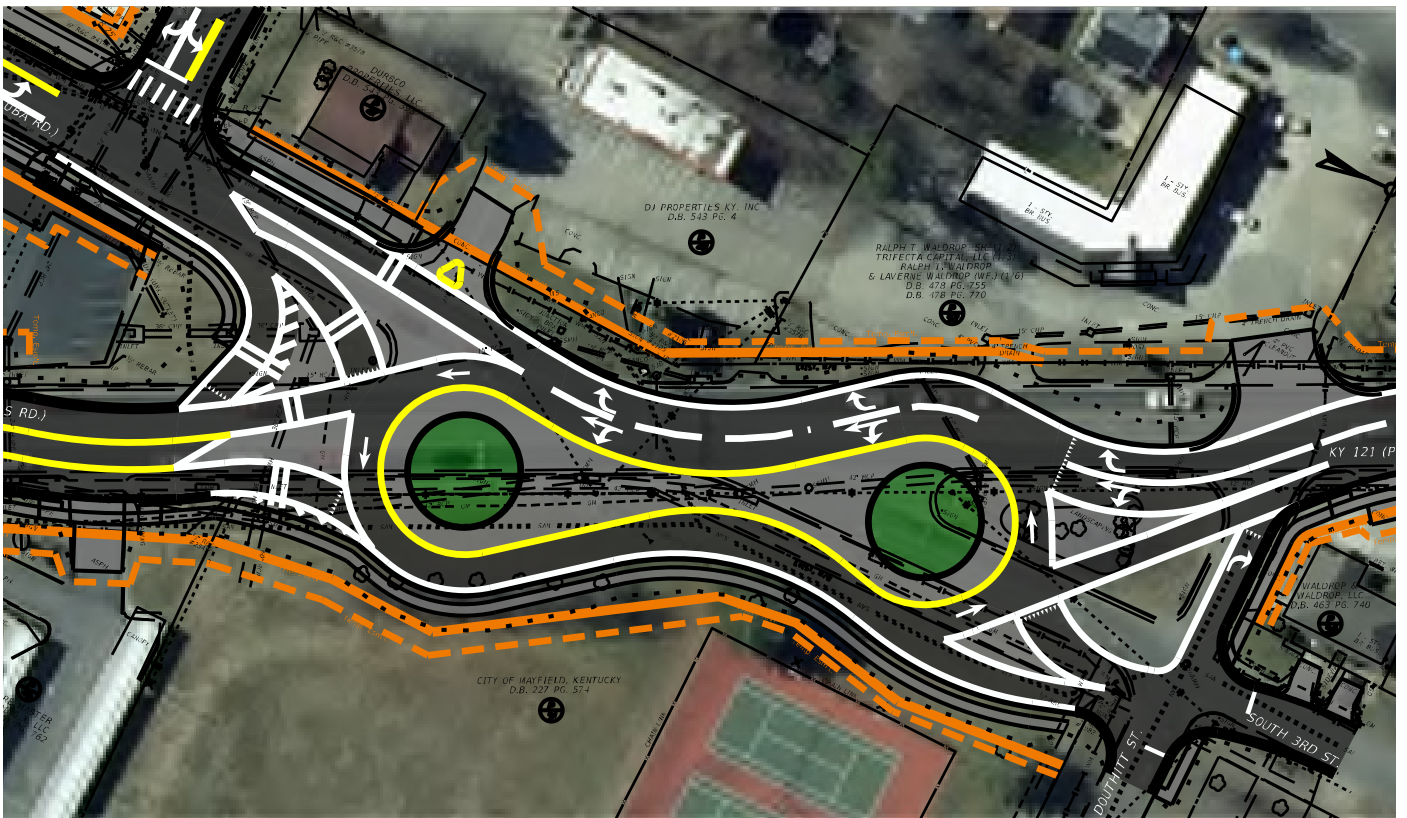
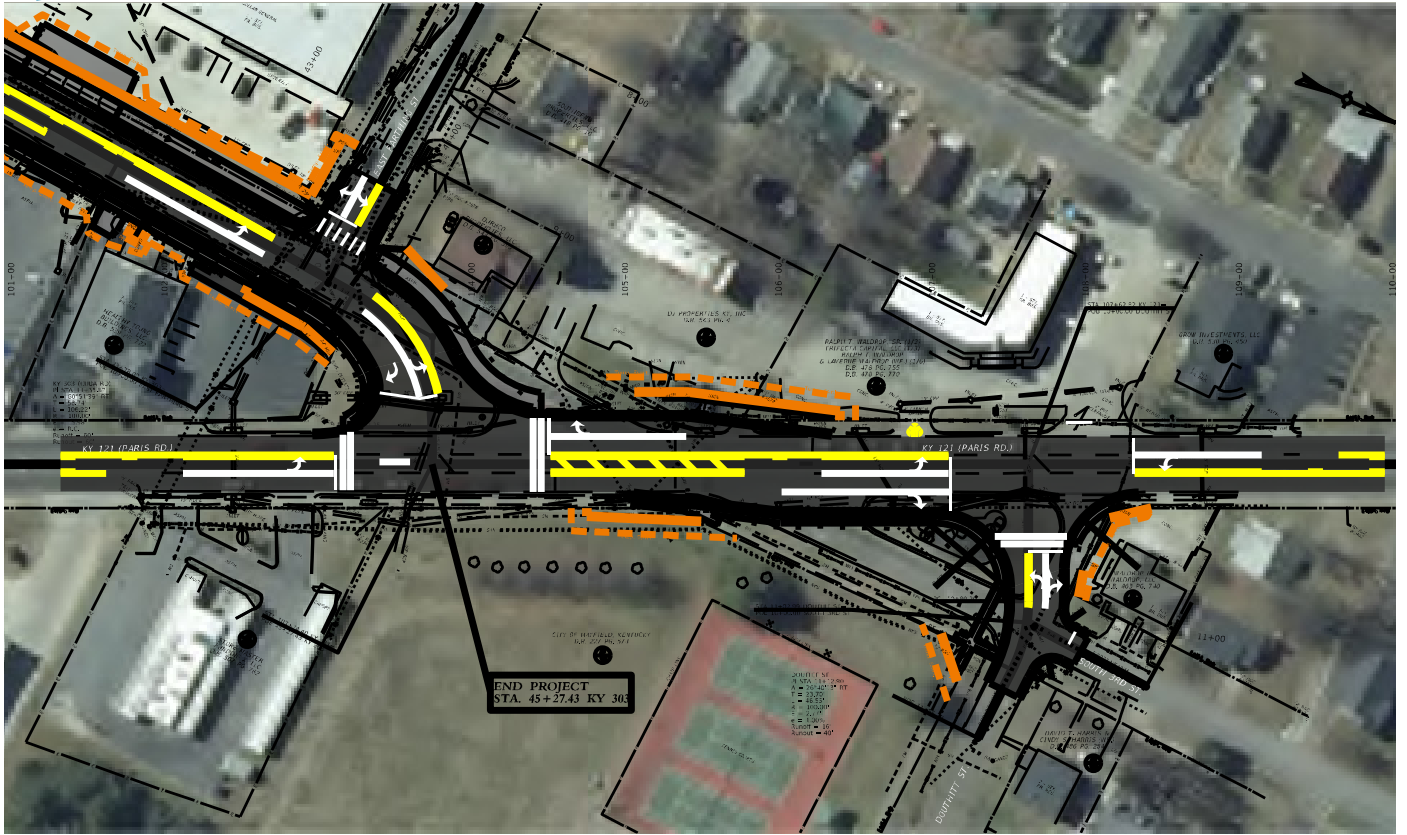
Please fill out the following comment form to share your input.

Return your comments at the meeting or to KYTC's Project Manager Chris Kuntz at 5501 Kentucky Dam Road, Paducah, KY 42003, by email Chris.Kuntz@KY.gov, or by phone (270) 898-2431. Comments will be collected until June 16, 2023.

All exhibits, displays, and materials presented at this meeting are available to the public upon their request from the district office.



Split T Intersection



Peanut Roundabout

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Comment Form

The Kentucky Transportation Cabinet (KYTC) is developing a project to improve KY 303 (Cuba Road) between Charles Drive and KY 121 (Paris Road). The project also includes intersection improvements at the KY 303 / KY 121 intersection. We are seeking your input as designs are developed.

Property Owner Name: _____

Property Address: _____

Mailing Address: _____

Phone Number: _____ Email: _____

1. Which KY 303 / KY 121 intersection option do you prefer? See Back Page for Examples. **Please check only one.**

Split T intersection

Peanut Roundabout

2. Are there other environmental, community or right of way issues to consider during design?

3. Do you have any additional comments about the project? Use additional pages if needed.

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.

Return your comments at the meeting to

KYTC's Project Manager Chris Kuntz - 5501 Kentucky Dam Road - Paducah, KY 42003