

SELECTION OF PREFERRED ALTERNATIVE

MUHLENBERG COUNTY, KY 2533 (DEAN ROAD) RECONSTRUCT KY 2533 FROM KY 189 TO KY 181 ITEM NO. 2-8803.00



The Kentucky Transportation Cabinet conducted a public meeting on June 20, 2022 for the proposed reconstruction of KY 2533 from KY 189 to KY 181 in Muhlenberg County. Comments from the public meeting, from online survey responses, and from local officials were compiled into a public meeting summary. The project team, including Cabinet personnel and their consultants, then conducted a meeting to review the public meeting summary, to review the costs and benefits of each alternative, and to select a preferred alternative. The purpose of this letter is to inform you about that selection.

The goal of the KY 2533 project is to address safety concerns due to narrow lanes and sharp curves; to address flooding issues in the southern half of the project; and to address truck traffic needs for the Muhlenberg Business Park. The project team selected a preferred alternative that would accomplish these goals, and consists of the elements listed below. See the back of this page for more details.

- Improvements to the horizontal and vertical alignment to provide at least a 40 mph design speed
- Improvements to the roadway typical section:
 - From KY 189 to Muhlenberg Drive – reconstruct with a 3-lane urban section consisting of 11-ft wide travel lanes, a 13-ft wide center turn lane, curb and gutter
 - From Muhlenberg Drive to KY 181 – reconstruct with a 2-lane rural section consisting of 11-ft wide travel lanes, 4-ft wide shoulders (2-ft paved), and 8-ft wide roadside ditch slope.
- Relocate the KY 2533 / KY 181 intersection to a point approximately 900-ft south of the existing intersection location.
- Maintain the existing KY 2533 / Opportunity Way intersection location.
- Raise the roadway grade through the floodplain in the southern portion of the corridor to reduce the frequency of roadway closures caused by flooding from Caney Creek and its tributary.

If you were able to participate in the public meeting process, we thank you for your involvement. If you have questions about the preferred alternative or about the project, in general, please contact me.

Sincerely,



David Lanham, P.E.
Palmer Engineering
3403 Stony Spring Cir
Louisville, KY 40220
Office: (502) 491-2411

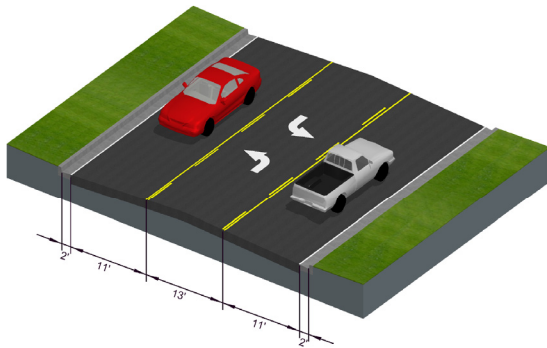
Preferred Design Alternatives

The preferred alternative selected by the project team will consist of the combination of the following elements from Alternatives 1 and 2 presented at the Public Meeting. For reference, the meeting materials are available for review at <https://files.palmetto.com/url/ky2533publicmtg>.

Proposed Typical Section

Alt 2 Urban (from KY 189 to Muhlenberg Drive)

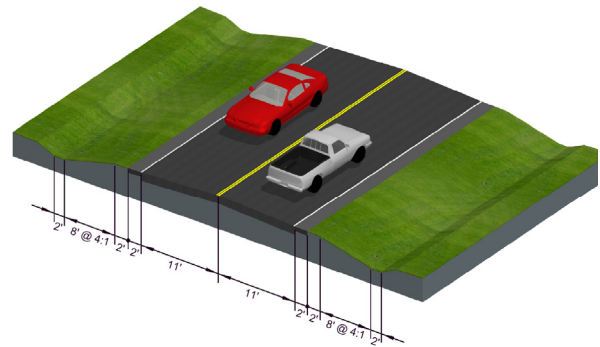
- Three lanes (center turn lane)
- 11' wide travel lanes, 13' wide center turn lane
- Curb and Gutter



3 LANE URBAN SECTION

Alt 1 Rural (from Muhlenberg Drive to KY 181)

- 11' wide lanes
- 4' wide shoulder (2' paved)
- 8' wide ditch foreslope @ 4:1 (matches proposed KY 181)



2 LANE RURAL SECTION

KY 181 Intersection

Alt 2

- Relocate Intersection to the South
- Old KY 2533 intersection remains



Opportunity Way Intersection

Alt 1

- Maintain Ex. Location of Opportunity Way
- Add right turn lanes on KY 2533 and

