

## Menelaus Road

project description | street improvement

### location

Berea, Kentucky

### client

City of Berea

### completion date

Currently under construction

### budget

\$3,000,000



CDP prepared Phase I and Phase II roadway design for the 1.98-mile Menelaus Road project in Madison County. This roadway is intended to relieve congestion through the heavily residential and commercial area. The Menelaus Road project is to be widened to a three-lane urban section consisting of two 12-foot lanes with one 12-foot turning lane and a 5-foot sidewalk on both sides of the roadway. There was no relocation required on the project.

### project components

- Acquisition of current photogrammetric mapping.
- Horizontal alignment studies. The project area is heavily developed both residential and commercial, and an extensive study was conducted to provide an economical roadway design while minimizing impacts on adjacent properties.
- Vertical geometrics to meet design criteria while resulting in economical earthwork.
- Cross-road designs for intersections with major roads.
- Environmental studies, including Phase I studies for wetlands, cultural-historical, and archaeology.
- Drainage design for two culverts, open channels, and storm sewer.
- Public information meeting to communicate the project purposes, scope and design elements to local residents.
- Coordination of geotechnical investigation.
- Fulfilling all requirement of Section 106 at the National Historic Preservation Act.
- Coordination of structural designs for 1 box culvert.