

Berea Bypass

project description | street improvement

location

Berea, Kentucky

client

City of Berea
Ky. Department of Highways

completion date

Phase 1 -1999
Phase 2 - Present

budget

\$38,000,000



currently under construction

CDP Engineers prepared Phase I roadway designs for the 5.8 mile Berea Bypass in Madison County, and has recently completed designs for Phase 2. This roadway is intended to relieve congestion in downtown Berea by providing an alternate route between I-75 and KY 21, east of Berea. The western section of the bypass is to be a four-lane rural arterial, limited access, with a 40' depressed median. The eastern section reduces to a two-lane roadway. Close coordination of the project with all parties was conducted.

project components

- Acquisition of current photogrammetric mapping
- Horizontal alignment studies. The project area is rapidly developing, and an extensive study was conducted to provide an economical roadway design while minimizing impacts on adjacent properties. For the 5.8-mile project length, only 6 structures were impacted: one resident; one trailer; and the rest were barns or sheds
- 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 (by subconsultant)
- Drainage designs for numerous culverts and open channels
- Right of way plans
- Several public information meetings to communicate the project purpose, scope and design elements to local residents
- Coordination of geotechnical investigation
- Coordination of structural designs for the 3 bridges and 12 box culverts (by subconsultant)