

Industrial Road Reconstruction

Florence, KY



Project Stats

Client:	Boone County Fiscal Court
Location:	Florence, KY
Year:	2011
Market:	Roadway Infrastructure
Project Size:	2.00 Lane Miles

Services Provided:

SURVEYING SERVICES

- Boundary Surveys
- Construction Layout & Staking
- GPS Control Surveys
- Legal Descriptions
- Location Surveys
- Quantity-Volume Surveys
- Right-of-way Surveys & Drawings
- Topographic Surveys

CIVIL ENGINEERING SERVICES

- Earth Retaining Structures
- Erosion Control Planning, Permitting & Inspection
- Grading & Earthwork Analysis
- Hydrologic & Hydraulic Analysis
- Storm Water Collection System
- Storm Water Control Facilities
- Storm Water Pollution Prevention Plans
- Waste Water Collection System
- Water Supply Infrastructure

TRANSPORTATION ENGINEERING SERVICES

- Access Management Plans
- Intersection Design
- Maintenance of Traffic Plans
- Pedestrian-Bicycle Facility Design
- Roadway Design
- Sight Distance Studies
- Signal Warrant Analysis
- Signing & Striping Plans
- Street Rehabilitation
- Transportation Studies

LANDSCAPE ARCHITECTURE & PLANNING SERVICES

- Site Planning

Boone County Fiscal Court turned to Bayer Becker for a design consulting solution for their complex, economically important, multimillion dollar project which consisted of widening 1.6 miles of roadway to a five lane section and included four signalized intersections and 34 driveway reconstructions. The roadway serves one of the largest industrial parks in the Interstate 75 corridor, making traffic with a large percentage of trucks a significant design consideration. In addition to the roadway widening, the project also included improving the existing roadway profile, an ADA compliant sidewalk/multi-use path, improved traffic capacity and access management, and additional traffic signalization at various intersections along the corridor.

Bayer Becker was responsible for all design and permitting aspects of the project and also provided project management. Our multi-discipline capabilities allowed us to be a single point of contact for the project and enable us to provide professional engineering design services including field surveying, roadway design, hydraulics and hydrology, right of way plans, retaining wall design, detention design, and maintenance of traffic planning. As the lead consultant, Bayer Becker selected, contracted with and coordinated the efforts of sub consultants responsible for the traffic engineering, environmental studies, geotechnical engineering, and right of way negotiations.

Bayer Becker's years of experience with complex projects proved crucial for the extensive coordination that was required throughout the design of this project. The numerous agencies involved included municipal, regulatory and utility agencies. Bayer Becker also worked closely with the property owners along the corridor to ensure adequate access was provided throughout construction and permanently realized with the completion of the project.

Overall, Bayer Becker's design transformed Industrial Road into a safe, comfortable, and aesthetically pleasing thoroughfare, not only for vehicular traffic, but for all modes of transportation.