



Hamilton Road Phase B

City of Columbus, Ohio

Client: Stantec Consulting

Contact: Perry Morgan (614) 486-4383

Key Personnel:

Kevin White, PE
 Erik Brokamp, PE
 Barry Logan, PE
 Matt Cornett, PE

Project Cost:

\$7.1 Million Construction
 \$185,000 Design

Year Completed:

May 2017 Construction
 February 2016 Design

E.L. Robinson's Role:

Subconsultant
 Roadway Design
 Drainage Design

The Hamilton Road Phase B project was the northern project of the Hamilton Road corridor projects that will improve Hamilton Road from Morse Road to SR 161. The Hamilton Road Phase B project widened and realigned Hamilton Road from just north of Preserve Boulevard to SR 161. The project included three roundabouts and is provided several access points for future development. ELR provided drainage design and maintenance of traffic services. The project was a fast track project with considerable coordination between the City and the adjacent developers. ELR also performed the traffic control design for this project which includes construction of about one mile of new four lane urban arterial and three two lane roundabouts.

Hydraulic design services included the design of project stormwater collection and treatment systems. Pavement inlet spacing design and storm sewer design were the major work efforts. The design also included post-construction water quality and water quantity control facilities. Dry detention basins were utilized as the primary treatment device.

A unique bypass structure, including a leaping weir, was designed to ensure low flows were directed toward an existing wetland to ensure the wetland received sufficient hydrology while larger flows were diverted to a dry detention basin to mitigate the peak discharge.