

Hamilton Road Phase B

City of Columbus, Ohio

CLIENT

Stantec Consulting
1500 Lake Shore Drive
Suite 100
Columbus, OH 43204
Perry Morgan
(614) 486-4383

OWNER

City of Columbus
50 W. Gay Street
Columbus, OH 43215
Matthew Lorenz, PE
(614) 645-5109

COMPLETION DATE

February 2016 (Design)
May 2017 (Construction)

PROJECT COST

\$185,000 (Design)
\$7.1 Million (Construction)

E.L. ROBINSON'S ROLE

Subconsultant
Roadway Design
Drainage Design

PROJECT MANAGER

Brent Downing, PE

KEY STAFF

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



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 in Columbus, OH. The Hamilton Road Phase B project widened and realigned Hamilton Road from just north of Preserve Boulevard to SR 161. It included three roundabouts and provided several access points for future development. The project was a fast track project with considerable coordination between the City and the adjacent developers. ELR provided drainage design and maintenance of traffic of services and the traffic control design for this project, which includes the construction of about one mile of new four-lane urban arterial and three two-lane roundabouts.

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

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.

