

Hamilton Complete Streets

Hamilton, OH



Project Stats

Client:	Jacobs Engineering Group, Inc.
Location:	Hamilton, OH
Year:	2015
Market:	Roadway Infrastructure

Services Provided:

CIVIL ENGINEERING SERVICES

Contract Documents and Specifications
Design Standards and Guidelines

TRANSPORTATION ENGINEERING SERVICES

Access Management Plans
Traffic Counts
Traffic Signal Design
Transportation Studies

Bayer Becker served as a subconsultant to Jacobs Engineering Group, Inc. for the City of Hamilton Central Business District Traffic Study and Streetscape Improvement project. The traffic study portion of the project included an evaluation of High Street from Martin Luther King Jr. Boulevard to Erie Boulevard (SR 4) to identify recommendations for improving the traffic flow along the corridor. Bayer Becker conducted traffic engineering analysis of the study area intersections utilizing Synchro (traffic modeling) software and traffic counts provided by the City. In addition, Bayer Becker conducted AM and PM peak hour turning movement traffic counts and trip generation calculations. In conjunction with Jacobs and the City of Hamilton, Bayer Becker considered and evaluated several improvement alternatives along the roadway such as medians, signal timing modifications, additional turn lanes, movement restrictions, rear access roadways north and south of High Street, and driveway modifications. Based on traffic analysis provided by Bayer Becker, a preferred design concept plan was prepared by Jacobs.

Utilizing the concept plan, Bayer Becker assisted with the preparation of construction drawings for the streetscape improvements on High Street from the Jack Kirsch Underpass to Erie Boulevard (SR 4). The overall streetscape portion of the project included roadway pavement, utility infrastructure, traffic engineering, and streetscape improvements. Bayer Becker prepared plans for the proposed new traffic signals at the intersections of High Street and 7th Street and East and for the modification of the existing signal at the intersection of Erie Boulevard (S.R. 4) and High Street.