

# Ivy Pointe Roadway Extension

## Union Township, OH



### Project Stats

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|------------------|---|
| <b>Client:</b>   | Clermont County Transportation Improvement District |
| <b>Location:</b> | Union Township, OH                                  |
| <b>Year:</b>     | 2012  |
| <b>Market:</b>   | <a href="#">Roadway Infrastructure</a>              |

### Services Provided:

#### SURVEYING SERVICES

Easement Exhibits & Descriptions  
 Legal Descriptions  
 Right-of-way Surveys & Drawings  
 Topographic Surveys

#### CIVIL ENGINEERING SERVICES

Grading & Earthwork Analysis  
 Hydrologic & Hydraulic Analysis  
 Storm Water Collection System  
 Waste Water Infrastructure  
 Water Supply Infrastructure

#### TRANSPORTATION ENGINEERING SERVICES

Intersection Design  
 Roadway Design  
 Signing & Striping Plans

#### LANDSCAPE ARCHITECTURE & PLANNING SERVICES

Irrigation Plans  
 Lighting Plans

Bayer Becker's ability to provide design for existing as well as future conditions was vital for the Ivy Pointe Roadway Extension. The project involved extending Ivy Pointe Boulevard approximately 2,500 feet from a roundabout at Ferguson Drive to Aicholtz Road. The proposed roadway extension consisted of a three lane section with landscaped medians or turn lanes where appropriate, curb and gutter, and storm sewer drainage. Bayer Becker prepared turn lane storage length calculations for the extension and designed the vertical and horizontal alignment of the roadway. Design also included sanitary sewer, a water main, an irrigation system, street lighting and a combined utility trench that houses gas, electric, telephone and cable.

In addition to the extension, the project also included realignment of nearby Omni Drive and the design of a sanitary sewer extension along Aicholtz Road. The expansion of an existing regional retention basin helped alleviate current drainage issues as well as eliminate any issues because of future development in the area. Design for the project had to account for, and maintain access to two existing billboards and a cell tower. Coordination for the project involved Clermont County, the township, adjacent property owners, and another consultant providing services on the adjacent Aicholtz Road connector project.