

# Miami University Gateways

## Oxford, OH



In 2017, MKSK and Bayer Becker teamed up to help redefine the eastern and southern gateways into the Miami University campus and the City of Oxford which incorporated improvements for multi-modal transportation users (vehicular, pedestrian, bicycle), safety, roadway lighting, access, signal modifications, drainage, and landscape architecture services.

Specifically, Bayer Becker provided surveying and civil and transportation engineering services for Phase One of the project which included improvements to Patterson Avenue (US 27) from south of E. Spring Street to Chestnut Street and improvements to Oxford Trenton Road (SR 73) from Patterson Avenue (US 27) to Four Mile Creek. Bayer Becker performed a topographic survey of the project area using traditional surveying methods and a small unmanned aircraft system (sUAS). The sUAS was also utilized to capture orthophotos, point clouds, and still photos. Roadway plans, drainage design, traffic control, maintenance of traffic, signalization plans and details were prepared by Bayer Becker. Along Oxford Trenton Road (SR 73), a bike lane was added to each direction of travel.

Phase Two of the Miami University Gateways project is to consist of additional roadway and safety improvements as well as landscape architecture along the E. High Street (US 27) corridor from S. Campus Avenue to Patterson Avenue (US 27). Bayer Becker prepared a Safety Application for the E. High Street project (ODOT project name BUT-27-15.70 to 16.25) which was ultimately awarded funding by the Ohio Department of Transportation. MKSK and Bayer Becker are getting started on the survey and design work for Phase Two which involves the consolidation of several mid-block crosswalks, the installation of high visibility crosswalks, and the conversion of a center two-way left turn lane on E. High Street (US 27) to a raised landscaped median, except where dedicated left turn lanes are to remain at S. Campus Avenue, University Avenue, Tallawanda Road, and Patterson Avenue (US 27).



### Project Stats

<b>Client:</b>	MKSK
<b>Location:</b>	Oxford, OH
<b>Year:</b>	2018
<b>Market:</b>	<a href="#">Geovisualization</a>
<b>Project Size:</b>	173.00 Acres

### Services Provided:

#### GEOVISUALIZATION SERVICES

Orthophotography

#### SURVEYING SERVICES

Topographic Surveys

#### TRANSPORTATION ENGINEERING SERVICES

Safety Studies  
Traffic Impact Studies  
Traffic Signal Design