To address traffic and safety concerns in Richmond Township, Berks County, Pa., Michael Baker International provided preliminary and final highway design, post-design and environmental services for the S.R. 0222 Section 19S roundabout. Roundabouts reduce injury crashes by 75 percent at intersections, according to a study by the Insurance Institute for Highway Safety.

Michael Baker thoroughly analyzed alternatives and, in collaboration with the client, identified a multilane hybrid roundabout option that advanced through preliminary design and environmental documentation and clearance.

The project includes replacing the signalized intersection with a modern roundabout, widening S.R. 0222 to four lanes at the approaches, and constructing sidewalks. The project also includes milling and paving at the intersection, drainage improvements, new signs, pedestrian lanes and new line paint.

Overall, S.R. 0222 Section 19S has essentially eliminated the peak hour delays that existed at the signalized intersection, reducing commute times in Richmond Township and the surrounding area.

Owner:
PennDOT
Allentown, Pennsylvania

Submitted by:
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