



ROUTE 82 AND DOE RUN ROAD ROUNDABOUT

EAST MARLBOROUGH TOWNSHIP, CHESTER COUNTY, PA

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In its role as Township Traffic Engineer, Traffic Planning and Design, Inc. (TPD) provided transportation planning and engineering services for the construction of a roundabout at the intersection of Route 82 and Doe Run Road.

Initially, TPD worked with the Township on a project at the intersection that would have included a traffic signal and a left turn lane on Route 82. During the design process, it became apparent that some property owners were unwilling to sell needed right-of-way to the Township for the construction of the left turn lane. The Township and TPD then investigated other alternatives to provide additional capacity at the intersection. The concept of a roundabout was carried forward and became feasible because the right-of-way that would have to be acquired from other property owners.

TPD was able to coordinate several complex issues for the design and construction of the roundabout including pedestrian facilities for a multipurpose trail that will be constructed by the Township and coordination with contractors, so that the construction can be completed without disruption to the traffic for the nearby Unionville School District.

TPD Project Managers:
Tony Dougherty, P.E.
Bob Stone
Chad E. Dixson, AICP

Client:
East Marlborough Township
721 Unionville Road
Kennett Square, PA 19348

Project Completion Date:
Design: June 2004
Construction: August 2005

TPD completed the following tasks for the design of the roundabout:

- Traffic counts and capacity analysis.
- Conceptual design of the roundabout.
- Preparation of fully engineered final design plans for the proposed roundabout.
- Preparation of right of way dedication plans and legal descriptions.
- Presentations to the Township Traffic Safety Committee, Supervisors and Public.

TPD completed the following tasks for the construction of the roundabout:

- Project advertisement, construction contract documents.

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