



ROBERT (GREG) RICHARDSON, PE

Executive Vice President

YEARS OF EXPERIENCE

32 Years

EDUCATION

Virginia Polytechnic Institute
B.S.E. / 1988 / Civil Engineering

REGISTRATIONS

Professional Engineer – PA, NJ, DE

PA License # PE-044727-E

NJ License # 24GE04366000

DE License # 12112

PROFESSIONAL AFFILIATIONS

Institute of Transportation Engineers (ITE), Mid-Atlantic Section

American Society of Highway Engineers (ASHE), Delaware Valley Section

Chester County Engineers

PA State Association of Boroughs (PSAB)

PA State Association of Township Supervisors (PSATS)

PERSONAL EXPERIENCE

As the Director of TPD's Local Government Services Group, Mr. Richardson is responsible for the management of all of TPD's Municipal Accounts, Construction Services, and Traffic Signal Designs. In addition, he has been responsible for the preparation of highway design plans, preparation of signal design plans for individual intersections, as well as coordinated and closed loop signal systems.

He has conducted or managed over 1,000 signal and intersection designs, traffic impact studies, preliminary designs, and parking studies in PennDOT Districts 2-0, 3-0, 4-0, 5-0, 6-0, and 8-0 as well as in New Jersey and Delaware for a variety of projects. He has served as an expert witness for over 500 of these projects.

He continues to serve as the Municipal Traffic Engineer in two municipalities, where he is responsible for review of internal circulation for pedestrian/vehicular safety studies and traffic/road improvements to designs associated with land development applications. He has also prepared expert witness reports for over 20 accident cases. Mr. Richardson also has extensive experience in the preparation of noise and air quality studies. These studies include the monitoring, modeling and mitigation of noise and air quality impacts for a variety of state, highway, commercial, office, residential, institutional, industrial, hazardous waste disposal and Federal projects in NJ, DE, and PA. In addition, Mr. Richardson has been part of several projects that involve the size and placement of off- and on-premises signs as the signs relate to transportation engineering principles and human factors.

MUNICIPAL AFFILIATIONS

Limerick Township Board of Supervisors

Montgomery County, PA

Vice Chairman: 2000 – 2001

Limerick Township Planning Commission

Montgomery County, PA

Member: 1996-2000 & 2005 – Present

» Chairman: 2000



PROJECT EXPERIENCE

Municipal Traffic Engineering Services, Project Manager

- » Abington Township, Montgomery County, PA
- » Lower Pottsgrove Township, Montgomery County
- » Birmingham Township, Chester County, PA
- » East Fallowfield Township, Chester County, PA
- » Wyomissing Borough, Berks County, PA
- » Bethel Township, Lebanon County, PA

Highway Occupancy Permit Review Assistance, PennDOT District 6-0

Bucks, Chester, Delaware, Montgomery and Philadelphia Counties

Served as the Project Director and coordinated the activities of TPD and three subconsultants with the District 6-0 Traffic Unit on the completion of over 6,000 work orders. Through daily contact and periodic update meetings with PennDOT, he ensured that all reviews were completed consistent with Department standards and policies and maintained a perfect record of 100% on-time submissions to the Department. Largely due to his efforts, TPD was selected for four consecutive terms as the prime consultant for this contract.

PRIVATE PLANNING & DESIGN

Wawa Convenience Stores

Various Locations throughout Southeastern PA

Managed the Traffic Impact Study and Final Highway Design for numerous Wawa projects this project which included major improvements along the S.R. 0063 corridor and included the re-design/re-timing of over eight (8) traffic signals.

Big Elk Age-Qualified Residential Development (S.R. 3026)

Penn Township, Chester County, PA

Responsible for managing the Traffic Impact Study and Final Highway Design for this project which included major improvements along the S.R. 3026 corridor, including left turn lanes and right turn deceleration lanes.

Lowe's Home Improvement Center (S.R. 0940)

Mt. Pocono Borough, Lancaster Monroe County, PA

Responsible for managing the Traffic Impact Study and Final Highway Design for this project which included major improvements along the S.R. 0940 corridor and included the re-design/re-timing of over four (4) traffic signals. Provided Expert Testimony in two (2) municipalities to support the project and to recommend extensive roadway improvements to mitigate traffic impacts.

Paoli Shopping Center / Routes 252 and 30

Tredyffrin Township, Chester County, PA

Responsible for the preparation of highway design plans for the Highway Occupancy Permit application to PennDOT for three site driveways accessing Routes 252 and 30. The improvement plans called for an additional southbound through lane along the entire ½ mile plus of site frontage on Route 252. Combined with the thirteen signal closed loop system proposed with this project, this alternative enabled the Township to maintain the signalized access where they wanted it and enabled PennDOT to be assured that queues from one signal would not extend into the next. It also enabled the developer to receive project approvals thirteen years after he started the project.

East Norriton Crossing Shopping Center

East Norriton Township, Montgomery County, PA

Responsible for the preparation of highway design plans for the Highway Occupancy Permit application to PennDOT for three site driveways accessing Route 202 and Germantown Pike. This project involved extensive coordination with the PennDOT 6-0 Traffic Unit and Project Management, Montgomery County, and the Township. The improvement plans called for the installation of a new traffic signal at the site drive intersection with Germantown Pike which will be interconnected with four existing signals along the corridor. Mr. Richardson's excellent rapport with the Township, County, and PennDOT Traffic Unit helped to expedite the approval process with final approval being granted two months ahead of the original project schedule.

Warrington Crossing Shopping Center

Warrington Township, Bucks County, PA

Responsible for the preparation of highway design plans for the Highway Occupancy Permit application to PennDOT for three site driveways accessing Route 611 and County Line Road. This project involved extensive coordination with the PennDOT 6-0 Traffic Unit and Project Management, and the Township. The improvement plans called for the installation of two new traffic signals at the site drive intersections with Route 611 and County Line Road, respectively. Mr. Richardson's expertise in the area of HOP applications and his close working relationship with PennDOT allowed for the recommended road improvements for this project to be coordinated with a scheduled PennDOT improvement project. In addition, close coordination with PennDOT expedited the approval process by two months.

Ridley Shopping Center

Ridley Township, Delaware County, PA

Responsible for the preparation of highway design plans for the Highway Occupancy Permit application to PennDOT for six site driveways accessing MacDade Boulevard and Morton Avenue. Separate left turn lanes were designed on each respective roadway at the two high volume driveways to provide safe and efficient access to the shopping center. In addition, two new traffic signals were designed and approved that will be part of a Township closed loop system.

Belmont Mixed Use Development (S.R. 4011 - Fruitville Pike)

Manheim Township, Lancaster County, PA

Managed the Traffic Impact Study and Preliminary Highway Design for this project. Included the analysis of 14 signalized intersections.

Willow Grove Pointe Shopping Center (S.R. 0063)

Upper Moreland Township, Montgomery County, PA

Managed the Traffic Impact Study and Final Highway Design for this project which included major improvements along the S.R. 0063 corridor and included the re-design/re-timing of over eight (8) traffic signals.

University of Pennsylvania

City of Philadelphia, Philadelphia County, PA

Traffic Study and Noise Study

Montgomery County Community College

Pottstown Borough, Montgomery County, PA

Traffic Study

SIGNALS DESIGN

Montgomery County Traffic Signal Equipment Upgrade Project - Phase II

Montgomery County, PA

Redesigned 29 Traffic Signals within Montgomery County in Metric Units. Job encompassed complete survey of each intersection, categorical exclusion evaluation, public and private utility coordination, right of way investigation, and all related calculations and analyses related to traffic signal design. Synchronization between signals in some municipalities will be completed as needed.

Lancaster Avenue (S.R. 0030) Closed Loop System Design

Montgomery County, PA

Project entailed synchronizing 23 traffic signals along Lancaster Avenue within Lower Merion Township. New traffic signal permit plans were prepared for each intersection in both English and Metric Units. An alternative analysis was completed to compare all closed loop system technologies (new conduit and trenching, overhead wiring, wiring within existing conduit, telephone interconnect, or spread spectrum radio communication). Recommendations were made to upgrade all 23 intersections as part of the project. Optimization of phasing and timings were also investigated.

Paoli Shopping Center Closed Loop System Design

Tredyffrin Township, Chester County, PA

Two new traffic signals were designed for the Paoli Shopping Center. The two signals were interconnected with 7 existing signals and all were incorporated into a new closed loop signal

system within Tredyffrin Township.

Lancaster Pike (S.R. 0030) Corridor Between King Rd. & Paoli Memorial Hospital

Willistown Township, Chester County, PA

One new traffic signal was designed for the intersection of Lancaster Pike and Moreland Avenue. The new traffic signal was interconnected with 4 existing signals.

Ridley Shopping Center Closed Loop System Design

Ridley Township, Delaware County, PA

Two new traffic signals were designed for the Ridley Shopping Center on MacDade Boulevard and Morton Avenue. The two new signals were interconnected with 3 existing signals and all were incorporated into a new closed loop signal system within Ridley Township.

ADDITIONAL SIGNALS EXPERIENCE

MacDade Boulevard Closed Loop Signal Design

Ridley Township, Delaware County, PA

Mall Boulevard Closed Loop Signal Design

Upper Merion Township, PA

S.R. 2015 & S.R. 2010 Signal Design

Delaware County, PA

S.R. 0320 & S.R. 0023 Closed Loop Signal Design

Upper Merion Township, Montgomery County, PA

S.R. 0209 and S.R. 0447 Intersection Improvement

East Stroudsburg Borough, Monroe County, PA

S.R. 0030 Corridor Traffic Synchronization Analyses and Design

Willistown Township, Chester County, PA

S.R. 0202 and S.R. 0926 Signal Design

Chester County, PA

COMMERCIAL

Philadelphia Premium Outlets

Limerick Township, Montgomery County, PA

East Norriton Crossing Shopping Center

East Norriton Township, Montgomery County, PA

Lowe's Home Improvement Stores

Various Locations

Horsham Gate

Horsham Township, Montgomery County, PA

Willow Grove Pointe

Upper Moreland Township, Montgomery County, PA

Warrington Crossing Shopping Center

Warrington Township, Bucks County, PA

Paoli Shopping Center

Tredyffrin Township, Chester County, PA

Ridley Shopping Center

Ridley Township, Delaware County, PA

Shoppes at Jenner's Village

Penn Township, Chester County, PA

New Garden Shopping Center

New Garden Township, Chester County, PA

Richland Crossing Shopping Center

Richland Township, Bucks County, PA

Lehigh Gas Car Wash

Lower Merion Township, Montgomery County, PA

Genuardi's Supermarket

Abington Township, Montgomery County, PA

Wawa

Various Locations

Dunkin' Donuts

Various Locations

BP/AMOCO Retail Facility

Various Locations

INDUSTRIAL

Grand Central Sanitary Landfill

Plainfield Township, Northampton County, PA

Covance Pharmaceuticals

Upper Macungie Township, Lehigh County, PA

SmithKline Beecham Pharmaceuticals

East Goshen Township, Chester County, PA

INSTITUTIONAL

University of Pennsylvania

City of Philadelphia, Philadelphia County, PA

Montgomery County Community College

Pottstown Borough, Montgomery County, PA

Bancroft Elementary School

New Garden Township, Chester County, PA

Boothwyn Elementary School

Upper Chichester Township, Delaware County, PA

Whitemarsh Elementary School

Whitemarsh Township, Montgomery County, PA

RECREATIONAL

Alpine Rose Motorsports Park

Eldred Township, Monroe County, PA

Liberty Bell Motorsports Park

Union Township, Berks County, PA

Happy Tymes Family Fun

Warrington Township, Bucks County, PA