

EDUCATION:

A.D.D. / 1960 / Pennsylvania State University Hazelton Campus

AWARDS:

Honoree PennDOT Star of Excellence – 2000
Secretary's Award for Excellence – 1992
Nominee Secretary's Award for Excellence – 1988
Employee of the Month, PennDOT District 5-0 – April 1998, October 1991



PROFESSIONAL

Professional Land Surveyor since March 25, 1977

AFFILIATIONS:

National Institute for Certification in Engineering Technologies (NICET)
National Director and Region 5 President of the American Society of Highway Engineers

EXPERIENCE:

Mr. Stasek has extensive experience in highway and structures design, construction inspection, and construction management. After beginning his career with PennDOT District 5-0 as Engineering Assistant, he joined the Department's Construction Unit where he worked as Construction Inspector and assumed increasing responsibility. Andy was among the first DOT staff in the state to become a federally certified bridge safety inspector. In 2002, Andy retired after 40 years with PennDOT, serving the last 15 years as an Assistant District Construction Manager. In this capacity, Andy was in charge of all PennDOT construction projects in Berks, Schuylkill, Carbon, and Monroe Counties, in addition to District-Wide projects.

At TPD, Andy's talents are used on both the design stage as well as the construction stage of our highway, bridge, and trails projects. On the design side, Andy performs constructability reviews and provides value engineering services. On the construction side, Andy supervises TPD's construction inspection personnel and provides construction management services.

PROJECT EXPERIENCE WITH PennDOT

Interstate 78

Lehigh and Northampton Counties

Construction Manager in charge of 32 miles of new interstate construction including 19 separate projects totaling \$550 million dollars in construction fees.

S.R. 0873

Lehigh County

Rehabilitation of deck truss bridge over major river crossing at the Lehigh Gap.

Interstate 81

Schuylkill County

In charge of all bridge construction for a total of 13 new bridges along I-81 (LR 1005, Sections 2-1 and S-4). After completion of construction of I-81, Andy was also in charge of a rehabilitation project near old exit 37 which required complete superstructure removal, substructure repair, and deck replacement for 6 bridge structures.

PROJECT EXPERIENCE WITH TPD

Route 29 Highway Design

East Whiteland and Tredyffrin Townships

As Quality Control Manager for this project, Andy worked closely with TPD's Highway Design Team to identify key design issues, reviewed plans for constructability, and ensured that all aspects of the design plans met PennDOT standards.

Cabela's

Tilden Township, Berks County, PA

Plan review for Constructability and Phasing reviews for 225,000 sf. retail store.

Knoebels Park Maintenance and Protection of Traffic (MPT) Design (S.R. 0487 Detour)

Ralphe and Franklin Townships, Northumberland and Columbia Counties, PA

Andy worked with TPD's highway Design Team to Develop a PennDOT approved MPT plan for a bridge contract that was already in the construction phase. This revised plan saved a potential of 16 months in construction delays.

Path of the Flood

Cambria County, PA

Plan review and bid package preparation for 9-mile Rails to Trails project.



EDUCATION: B.S. / 2001 / Civil Engineering
Widener University

PROFESSIONAL AFFILIATIONS: American Society of Civil Engineers, Philadelphia Section
American Society of Civil Engineers Younger Member Forum
International Municipal Signal Association
Transportation Research Board
United States Sign Council



REGISTRATIONS: Professional Engineer – PA, VA
IMSA Work zone Safety Specialist
IMSA Level II Traffic Signal Field Electrician
IMSA Traffic Signal Inspector

AWARDS: Philadelphia Young Civil Engineer of the Year – 2008

EXPERIENCE:

Mr. Platt has been working with TPD for seven years and currently serves as a Project Manager for the Traffic Operations and Permitting Department. During this time, he has developed an expertise in projects involving Transportation Planning, Highway Design, and Traffic Signal Design. In addition, Mr. Platt has been part of several projects that involve the size and placement of on-premise and off-premise signs as the signs relate to transportation engineering principles and human factors. Mr. Platt has been accepted as an expert witness in the field of transportation engineering and has presented transportation engineering related information at numerous municipal and regulatory agency meetings.

TRANSPORTATION PLANNING PROJECTS

Mr. Platt's areas of expertise in transportation planning include the preparation of traffic impact studies, corridor studies, transportation impact fee studies, needs and feasibility studies, trip generation studies, access analyses, and traffic calming studies. Additionally, Mr. Platt has also prepared several reports on the need for sign sizes and placement based on engineering and human factors for on-premise and off-premise signs. A partial list of his Transportation Planning expertise includes:

- **Municipal Traffic Engineering Services** – *Phoenixville Borough, Chester County, PA*
- **Lafayette Street Corridor Improvement Project** - *Norristown Borough and Plymouth Township, Montgomery County, PA*
- **Mount Joy Township Transportation Impact Fee Study** - *Mount Joy Township, Lancaster County, PA*
- **Citizen's Bank Sign Study** – *Easttown Township, Chester County*
- **Church Road Traffic Calming Study** – *Tredyffrin Township, Chester County, PA*
- **Exeter Township Sign Ordinance Review** – *Exeter Township, Berks County*



HIGHWAY DESIGN PROJECTS

Mr. Platt's areas of expertise in highway access permitting and roadway design include the review of State and Municipal Plans, the preparation of Construction Plans, Maintenance and Protection of Traffic Plans, Drainage Plans, Pavement Marking and Signing Plans, Roadway and Pipe Profiles, Cross Sections, and Right-of-Way Plans. Other responsibilities include the preparation of final construction cost estimates, specifications, construction item quantities, utility coordination/relocation, roadway pavement designs, and quality control for submissions of Highway Occupancy Permit Plans and Traffic Signal Plans to PennDOT. A partial list of his Highway Design expertise includes:

- **Highway Occupancy Permit Review Assistance**, PennDOT Engineering District 6-0. Project Engineer for the review of plans sets and stormwater management for Highway Occupancy Permit Applications in Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties.
- **Various Rite Aid Pharmacies** – *Montgomery, Delaware, Chester, and Luzerne Counties, PA*
- **Montgomeryville Business Campus** – *Montgomery Township, Montgomery County*
- **Lafayette Square** – *Sadsbury Township, Chester County, PA*
- **Sunoco Gas Station Renovations** – *Lower Nazareth Township, Northampton County*

TRAFFIC SIGNAL DESIGN PROJECTS

Mr. Platt's areas of expertise in the design and coordination of traffic signals and closed loop signal systems includes capacity analyses, signal warrant analyses, queue length analyses, turn lane analyses, gap studies, and coordination analyses. His experience also includes preparing cost estimates, equipment evaluation, and construction assistance. A partial list of his Traffic Signal Design expertise includes:

- **Pottstown Area Closed Loop Signal System – 52 signalized intersections** – *Pottstown Borough, North Coventry Township, Lower Pottsgrove Township, Chester & Montgomery Counties, PA.*
- **Village at Valley Forge Closed Loop Signal System – 22 signalized intersections** – *Upper Merion Township, Montgomery County, PA, Tredyffrin Township, Chester County, PA*
- **Ellis Preserve Closed Loop Signal System – 14 signalized intersections** – *Newtown Township, Delaware County, PA*
- **Philadelphia Premium Outlets Closed Loop Signal System – 6 signalized intersections** – *Limerick Township, Montgomery County, PA*
- **Various WAWA Markets throughout the Delaware Valley**

EDUCATION:

B.S.E / 1981/ Civil Engineering - University of Pennsylvania
M.S.E. / 1983 / Civil Engineering - Villanova University
Ph.D. Coursework in Civil Engineering at University of Pittsburgh



REGISTRATIONS: Professional Engineer - PA, NJ, MD, DE

PROFESSIONAL AFFILIATIONS:

Chester County Planning Commission Board Board of Directors - SEPTA
Institute of Transportation Engineers (ITE) Past President-Delaware Valley Chapter of ASHE
American Society of Highway Engineers (ASHE)

GENERAL EXPERIENCE:

As the President of Traffic Planning and Design, Inc. (TPD), Mr. Johnson's areas of expertise are in traffic engineering and design, transportation planning, and environmental analyses. During his 24 year career with TPD, Valley Forge Laboratories, Inc., and the Philadelphia City Planning Commission, Mr. Johnson has prepared and managed highway and intersection final design plans for over four hundred projects and has prepared and managed nearly two thousand traffic impact and parking studies nationwide for a variety of commercial, office, residential, municipal, educational, institutional, industrial, hospital/continuing care, and solid waste disposal projects. **He has served as an expert witness for over five hundred such projects throughout Pennsylvania, New Jersey, and Delaware, including testimony in Commonwealth Court in Chester, Delaware, Montgomery, and Philadelphia Counties, and also in United States District Court. He has also prepared over 40 expert witness reports for accident cases.**

PUBLIC SECTOR PROJECT EXPERIENCE:

S.R. 0076 (I-76, The Schuylkill Expressway) Reconstruction Project

Philadelphia, PA, for PennDOT District 6-0

Developed the Maintenance and Protection of Traffic plans and detour plans for the seven phases of construction on the Philadelphia Center City section of Interstate 76 which measured an ADT of 60,000 vehicles. As a result of Mr. Johnson's efforts, PennDOT took the extraordinary step of preparing a separate subconsultant evaluation form specifically recognizing his contributions to the project.

Marshalls Creek Traffic Relief Study (Needs Study, Congestion Management Systems (CMS), Preliminary Alternatives Analysis, and Environmental Impact Statement (EIS))

Monroe County, PA, for PennDOT District 6-0

Responsible for all transportation planning activities on this project including preparation of the Highway Needs Study; CMS Study; development and analysis of projected traffic conditions at 25 intersections for ten different "build" alternatives; preparation of transportation section of Preliminary Alternative Analysis and EIS. Also served as Principal-In-Charge for TPD's preliminary design of the project's park and ride lots and limited access end treatments. He presented findings at three public meetings; five Agency Coordination Meetings (ACM) meetings; and over forty meetings with local committees and the public at-large.



S.R. 0001 (U.S. Route 1) Corridor Study and Highway Improvement Project

East Marlborough Township, Chester County, PA

Developed the Master Plan that received unilateral support improvement project for the 1.5 mile corridor. This Master Plan resulted in the replacement of twelve median breaks with four signalized intersections, and the construction of an additional through lane in each direction with a separate left turn lane. Managed the design of three of the five phases of this project including the lowering of Route 1 by four feet under the Longwood Gardens Bridge to accommodate the three additional lanes.

PA 72 Corridor Needs Study

Lancaster County, PA

Utilized a unique integration of transportation and land use management to perform a Needs and Feasibility Study. Investigated the possibility of implementing new land use policies within the study area that best suit the community's vision for improved infrastructure and transportation facilities. This approach required close coordination with the PA 72 Task Force, which includes the Lancaster County Planning Commission, Manheim Township, East Hempfield Township, Penn Township, Warwick Township, Rapho Township, Lancaster Chamber of Commerce, Lititz Borough, Pennsylvania Department of Transportation, East Petersburg Borough, and Manheim Borough.

Exton By-Pass Secondary Impacts / Master Plan Study

West Whiteland Township, Chester County, PA

Developed a Master Plan for the area including double left turn lanes on all sections of PA Route 100, widening of two existing through lanes to a minimum of three, and sometimes four lanes, to address development potential in the Township, and the establishment of a loop road system to provide any motorist with three direct alternative routes to travel between residential, employment, and commercial areas in the Exton Towne Center District. In his role as Township Traffic Engineer, Mr. Johnson has reviewed hundreds of plans including the plans prepared by three shopping center developers to complete the twenty lane-miles of new roads/lanes required for this project.

EDUCATION:

A.D.D. / 1969 / Pennsylvania State University of Allentown, PA
Associates Degree in Drafting Design Technology

PROFESSIONAL

AFFILIATIONS:

American Society of Highway Engineers- East Penn Section
Institute of Transportation Engineers - Mid Atlantic Section
International Municipal Signals Association – New Jersey Section



WORKSHOPS:

Federal Highway Administration

- Traffic Signal Design
- Highway Capacity and Quality of Flow
- Arterial Analysis Package
- Traffic Detectors
- NEMA Intersection Controllers
- Computerized Traffic Systems

ITE Certified Traffic Signal Operations Specialist
ITE Certified Traffic Operations Practitioner Specialist
IMSA Certified Work Zone Safety Specialist
IMSA Certified Associate Traffic Signal Technician Level I
IMSA Certified Traffic Signal Electrician Level II, 2000
IMSA Traffic Signal Inspection Certification, 2000
Synchro and SimTraffic Training Course, PennDOT 2000
MicroStation CAD – 4 Day Workshop, Wilmington, DE 1999
Level 1 – Autodesk and Intermediate CAD – Bucks County Community College
Introduction to Intergraph – PennDOT
Green Book (Short course) – PennDOT
Detector Systems Loop Seminar – 1990 & 1992

EXPERIENCE:

Mr. Stone has extensive experience with all aspects of traffic operations and traffic control. After an intensive training program, he joined PennDOT's Accident Review Section where he worked as a *Traffic Technician II* for five years (1969-1970, 1972-1974). Over the next 25 years of his career, he was an integral part of PennDOT's Traffic Unit in District 5-0; first, as a *Traffic Technician II* for the Operations and Signing Unit (1974-1980), then as *Traffic Technician III* for the Studies Unit (1980-1987), and finally, as *Traffic Control Specialist* for the Traffic Signal and Congestion Management Unit (1987-1999).

As *Traffic Signal Operations Manager* at Traffic Planning and Design, Inc., Mr. Stone's areas of expertise are traffic engineering and transportation planning for both public and private agencies. He is primarily responsible for the management of traffic signal design/ coordination projects including the review and preparation of traffic signal plans and pavement marking plans. His experience includes traffic signal design and coordination; engineering studies for speed limits, stop signs, weight limits etc.; detour and traffic control plans; Safety Improvement Projects; and accident collision diagrams. He has working knowledge of the following traffic related software: Synchro, SimTraffic, Highway Capacity Software (HCS), SOAP, TRANSYT, HCS, PASSER, and MAXBAND.

EXPERIENCE WITH THE PENNSYLVANIA DEPARTMENT OF TRANSPORTATION:

Traffic Signal and Congestion Management Unit

Traffic Control Specialist

- Conducted studies and reviews of studies related to all electrically operated traffic control devices within the six counties of Engineering District 5-0.
- Designed traffic signal installations using AutoCAD and MicroStation to prepare traffic signal condition diagrams.
- Performed traffic signal timing studies for isolated intersections, as well as systems using traffic engineering programs such as Synchro, SimTraffic, SOAP, TRANSYT, HCS, PASSER, MAXBAND, and others.
- Prepared correspondence and attended meetings relating to designs.

Studies Unit

Traffic Technician III

- Performed studies for speed limits, stop signs, weight limits, etc.
- Issued special sign permits and banner permits.
- Scheduled and maintained the District's Traffic Counting program.

PennDOT Project Experience:

- **S.R. 0422 and Business Route 422 - 17 Signal Design and Coordination**

Berks County, PA

Designed the upgrade of the traffic signals along the corridor, prepared the timing analyses and timing plans for the intersections, prepared the construction plans for the project and conducted reviews of the equipment and performed final inspection of the contractors installations.

- **U.S. Route 22 (22/renew) Project - Ramp Metering and Signal Design/Coordination.**

Lehigh and Northampton Counties, PA

Provided Department inspection and approval of all electrically operated traffic equipment for the project, such as ramp metering, traffic signal installations, as well as all offsite signalization for detour and alternate routes during construction.

TPD Project Experience:

- **49-Signal Closed Loop System**

City of Scranton, Lackawanna County, PA

Managed the design of the Scranton Central Business District closed loop traffic signal system. Manage the preparation of all of the traffic signal designs which include the addition of emergency preemption.

- **Middletown Township Closed Loop Traffic Signal System**

Middletown Township, Delaware County, PA

Manage the design of the closed loop traffic signal system along Route 1 and Route 352 within Middletown Township, which included the analyses of existing conditions, preparation of the traffic signal permit and construction plans, prepare all necessary specifications and tabulation of quantities. This work also included the preparation of cost estimates and the review of equipment submittals.

EDUCATION:

B.S. / 1995 / Civil Engineering Pennsylvania State University
M.S. / 2002 / Civil Engineering Villanova University



REGISTRATIONS: Professional Engineer – PA, NJ, DE, VA, MD

PROFESSIONAL AFFILIATIONS: Mid-Atlantic Section - Institute of Transportation Engineers (ITE)
American Society of Highway Engineers
National Society of Professional Engineers
Pennsylvania Society of Professional Engineers

WORKSHOPS: ACEC/PA and PennDOT, Consultant Inspector Training, 10/2007
Lorman Education Services – Forums for Resolving Construction Disputes, 10/2007
iLinc, Shop Drawings and Submittals, 9/2007
PennDOT, 11th Annual Construction Management Training Workshop, 2/2006
MASITE Seminar - "Roundabout Design Workshop" NE Roundabouts, 2005
UWM, Understanding and Using Engineering/Construction Contract Documents, 2003
UWM, Improving Public Works Construction Inspection Skills, 2002
NWCPS, Accident reconstruction for Traffic Engineers, 2000
Highway Capacity Analysis Workshop; 1997
MASITE Seminar - "Roundabout Design Workshop" PADOT and CEC
Categorical Exclusion Evaluation Workshop; 1996
PSU, The Transportation Engineering and Safety Conference 1995, 1998, 1999, 2000, 2002, 2004, 2005, 2006, 2007.
PSPE, Annual State Conference 2007, 2008

EXPERIENCE:

Mr. Dougherty has been working with TPD for 13 years and serves as a project manager and engineer for the Traffic Operations and Access Permitting Department for Traffic Planning and Design, Inc. Mr. Dougherty also serves as the Principal-in-Charge of the TPD's Construction Services Department. His responsibilities include the preparation of highway design projects that include horizontal and vertical line and grading plans, alternative layouts, traffic control plans, stormwater management plans and studies, construction contract documents, and quality control for submissions to PennDOT. **He has served as an expert witness on over 50 of these projects throughout PA, DE, and NJ.**



PROJECT EXPERIENCE:

Village at Valley Forge

Upper Merion Township, Montgomery County, PA

Falls Township Connector Trail

Falls Township, Bucks County, PA

Pottstown Pedestrian Underpass

Pottstown Borough, Montgomery County, PA

**Easton Avenue and N. Farmersville Road and
Easton Avenue and Oakland Road Realignment**

Bethlehem Township, Northampton County, PA

Highway Occupancy Permit Review Assistance

PennDOT Engineering District 6-0.

*Bucks, Chester, Delaware, Montgomery, and
Philadelphia Counties.*

Municipal Traffic Review

*West Whiteland Township, Chester County; and
Birmingham Township, Chester County.*

North Coventry Town Square Plaza

North Coventry Township, Chester County, PA.

Route 82 and Doe Run Road Roundabout

East Marlborough Township, Chester County, PA

Lakeview Commercial Center

Limerick Township, Montgomery County, PA

Quarry Ridge

East Whiteland Township, Chester County, PA

Atwater Business Park,

East Whiteland Township, Chester County, PA

Bethel Elementary School District

Bethel Township, Delaware County, PA

Radnor Elementary School

Radnor Township, Delaware County, PA



EDUCATION:

B.S.E. / 1995 / Materials Science Engineering - University of Pennsylvania

PROFESSIONAL

AFFILIATIONS:

Institute of Transportation Engineers - Mid Atlantic Section
International Municipal Signals Association – New Jersey Section



REGISTRATIONS: Professional Engineer - PA

CONTINUING EDUCATION:

Synchro and SimTraffic Training Course, PennDOT 2000
Closed Loop Software Training Seminar, Eagle Mark NX, 2000
IMSA Certified Work Zone Safety Specialist, 2000
IMSA Certified Associate Traffic Signal Technician Level I, 2000
IMSA Certified Traffic Signal Electrician Level II, 2007
IMSA Traffic Signal Inspection Certification, 2007

EXPERIENCE:

Mr. Droesser has thirteen years of experience in traffic engineering and transportation planning. Mr. Droesser specializes in gaining Traffic Signal Permit Plan approval for private developers, municipalities, DOT's, and school districts. His areas of expertise include the design and coordination of traffic signals and closed loop signal systems. Since joining TPD, he has prepared over 250 traffic signal plans for private and public sector clients and has reviewed over 30 traffic signal plans on behalf of municipal and DOT clients. His experience also includes the preparation and review of construction cost estimates, specifications, equipment evaluation, capacity analyses, signal warrant analyses, queue length analyses, turn lane analyses, gap studies, and coordination analyses. Mr. Droesser has been involved with the management and preparation of the firm's largest and most complex traffic signal and closed loop system design projects including:

Paoli Shopping Center Closed Loop System Design – 8 Intersections

L.J. Brandolini Company; *Chester County, PA*

Mall Boulevard Closed Loop System Design – 5 Intersections

Orix Realty Equities, Inc.; *Montgomery County, PA*

Lancaster Avenue (S.R. 0030) Closed Loop System Design – 24 Intersections

PennDOT; *Montgomery County, PA*

Village Square at Blue Bell Closed Loop System Design – 5 Intersections

Gambone Brothers Development Co.; *Montgomery County, PA*

Limerick Shopping Center Closed Loop System Design – 7 Intersections

Reitnour Investment Properties; *Montgomery County, PA*

Radnor Elementary Closed Loop System – 4 Intersections

Radnor School District; *Delaware County, PA*

Montgomery County Traffic Signal Equipment Upgrade Project - Phase II – 30 Intersections

Montgomery County; *Montgomery County, PA*

Rising Sun Avenue Coordination –3 Intersections

PennDOT; *Philadelphia, PA*

Pottstown Area Closed Loop System – 48 Intersections

Pottstown Borough; *Montgomery County, PA*

Quarry Ridge Closed Loop System- 4 Intersections

Liberty Property Trust; *Chester County, PA*

Town Square Plaza Closed Loop System – 5 Intersections

Newman Development Company; *Chester County, PA*