

John A. Nawn, P.E., PTOE, CFM, F.NSPE, F.ACFEI

Consulting Engineer in Civil Engineering, specializing in Highway and Street Design, Traffic Engineering, Utilities Construction, Storm Drainage, Pedestrian Safety, Walkway Surface Evaluations, Concrete and Asphalt Pavement Evaluations. Extensive experience in Construction Management, Project Related Claims, Job Site Safety, Codes and Standards, and ADA Compliance.

PROFESSIONAL ENGINEER: PA, NJ, MD, DE, OH, MI, MA, MO and RI.

EDUCATION: BS in Civil Engineering and MS in Civil Engineering, Drexel University

AWARDS: 2011 State Engineer of the Year, Pennsylvania Society of Professional Engineers;
2011 Delaware County Engineer of the Year, PA Society of Professional Engineers;
2008 Engineering Manager of the Year, American Society of Civil Engineers, Philadelphia

ADJUNCT PROFESSOR: Temple University, Department of Civil and Environmental Engineering; Instructor for two Graduate level courses; Transportation Engineering and Transportation Systems Management.

PROFESSIONAL BACKGROUND:

2012-Present – Fleisher Forensics – Ambler, Pennsylvania:

Civil Engineer responsible for evaluating matters involving highway and traffic engineering, including intersections; urban and rural roadways; interstate highways; parking lots; signage, pavement marking and traffic controls; codes and zoning requirements; sidewalks and crosswalks; public utilities including sanitary sewer, storm sewer and water mains. Plan and project document review; site inspections. Consulting in code compliance and standards; work zone safety, construction management, claims and safety. Evaluations of ice, snow control, grading, storm water management, detention and retention basins, and soil and sedimentation control.

8/11 to 6/12 - Czop Specter, Inc., Worcester, PA, Executive Vice President. Executive Vice President/Chief Engineer and a member of the Board of Directors

2/10 to 8/11 - KS Engineers, P.C., Philadelphia, PA, Vice President. Manager of PA operations. Responsibilities included direction of operations, marketing & business development, technical direction, project management and application of QA/QC policies.

9/08 to 2/10 - Patrick Engineering, Wayne, PA, Business Unit Leader. Group Manager for PA Transportation Team. Responsibilities included management of technical staff and providing technical direction and quality control on bridge, roadway and utility projects.

10/05 to 8/08 - GAI Consultants, Inc., Berwyn, PA, Vice President. Managing Officer (Principal) of regional operations. Oversaw staff of design and inspection professionals providing design and construction engineering services including Civil Engineering, Highway Engineering, Traffic Engineering, Structural Engineering, Geotechnical Engineering, Environmental Engineering, Materials Testing and Inspection Services.

02/02 to 10/05: URS Corp, Phila., PA, Director Traffic & Municipal Eng., Branch Manager

03/01 to 02/02: DMJM+Harris, Philadelphia, PA, Project Manager

05/94 to 03/01: Valley Forge Laboratories, Inc., Devon, PA, Director Transportation Engineering

06/89 to 05/94: Remington & Vernick Engineers., Haddonfield, NJ, Municipal Project Engineer/Manager

06/87 to 06/89: NJ Department of Transportation, Trenton, NJ, Highway Project Engineer

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SELECTED PROFESSIONAL EXPERIENCE

Central Delaware River Waterfront Master Plan, *Delaware River Waterfront Corporation, Phila.*
Project Manager, utility assessment, floodplain analysis, site assessments and pier stability assessments.

Walgreens, *Philadelphia, Pennsylvania*, Project Manager for site design and development

The Parking Spot, *Philadelphia, Pennsylvania*, Project Manager for 1000 car private parking facility

Sharon Hill Train Station, *PA*, Project Manager for design of the historic reconstruction

Borough Traffic Engineer, *Narberth, PA*, Provided engineering design, review and ordinance development services on a number of traffic engineering issues.

Township Engineer, *Marple Township, PA* Managed municipal inspections, developed capital programs, conducted planning and zoning reviews, designed and manage annual road program.

Construction Management Services, *Oliver Tyrone Pulver Corporation, PA*, Construction Manager for intersection reconstruction and traffic signal installation project.

Traffic & Civil Engineering Design, *The Ohio State University*, Project Manager for traffic and civil engineering assignments to support electrical facilities upgrades at The Ohio State University.

Vault Design, *Northeast Utilities, CT*, Project Manager for the design of pre-cast concrete vault covers.

The Hickman, *Penrose Properties, PA*, Project Manager responsible for providing all civil, traffic, survey, and environmental engineering services for new multi-story, age restricted facility.

Civil & Traffic Engineering Services, Tower Bridge Complex, *Oliver Tyrone Pulver Corp., PA* Project Manager for various traffic engineering tasks and civil engineering designs.

Municipal Traffic Impact Studies, *Whitemarsh Township, PA*, Project Manager for over three dozen traffic impact studies to support and analyze various land developments and land uses.

Municipal Traffic Engineer, *Penn Township, PA*, Provided engineering design, review and ordinance development services on a number of traffic engineering issues including traffic signal design.

Traffic Impact Study, *Lexus of Lehigh Valley, PA*, Prepared and presented traffic study to support new automobile dealership including the re-timing of four adjacent signalized intersections.

Traffic & Parking Study, *Harrisburg International Airport*, Project Manager for the preparation of a Traffic Impact Study and Traffic Signal Plans to support the airport.

Traffic Impact Study, *Boulevard Plaza, PA*, Project Manager for preparation of access analysis and signal timing revisions for large shopping complex in northeast Philadelphia.

Township Traffic Engineer, *Elk Township, PA*, Provided municipal traffic engineering support for review of land development projects and developer commissioned traffic impact studies.

Traffic Impact Study, *Strath Haven MS, PA*, Project Manager to support Middle School expansion.

Traffic Study & Landside Master Plan, *Philadelphia International Airport*. Deputy Project Manager for management of data collection efforts, traffic analyses and preparation of the final report.

Traffic Impact Study & Traffic Signal Design, *SR 0322 & 4017, Downingtown Area School District*
Project Manager for the preparation of the Traffic Impact Study and design of a new traffic signal.

Traffic Impact Study & Traffic Signal Design, *SR 0093, SR 3026, Laurel Mall Associates, PA*, Project Manager for Traffic Impact Study and the design of two traffic signals.

Transportation Master Planning, *Villanova University, PA*, Project Manager for conducting data collection, traffic models and alternative analyses including design of two new traffic signal systems.

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SR 0082 and Marriot Drive, Coatesville, PA, Project Manager for the design of the reconstruction of SR 0082 to support a new signalized intersection and left turn lane.

Utility Coordination Research and Guidelines Development, PennDOT, Prepared recommendations to utility coordination procedures including recommendations for improvement to manual(s).

South Street Bridge Detour Mitigation Project, City of Philadelphia, PA, Project Manager for 32-signal corridor upgrade project involving signal timing and equipment improvements.

Northeast Extension Widening, MP A20 to A30, Pennsylvania Turnpike Commission, Task Leader for local road detour route evaluation & analyses to support the replacement of four bridge structures.

Broad Street Ice Study, PennDOT, Project Manager for analyses and evaluation of detour route to support temporary closure of the Roosevelt Expressway.

Interstate 95 Point of Access Study, Girard Avenue Interchange, PennDOT, Provided traffic engineering review and guidance in the development of the Point of Access Study.

Interstate 95 Cottman Avenue Interchange, PennDOT, Task Manager for the preparation of the multi-phase, Maintenance and Protection of Traffic Plans to support the full.

North Penn Signals, PennDOT, Provide traffic engineering and traffic signal design services to assist the completion of the final design of six revised and 5 new traffic signal projects in the Lansdale Area.

Mainline Widening, Valley Forge to Norristown, Pennsylvania Turnpike Commission, Task Leader for the traffic control design to support full detour and staged construction alternatives.

Betzwood Bridge, PennDOT, Task Leader for the design of three new traffic signals to accommodate the new bridge and associated new development and access points.

Montoursville Airport Access Road, PennDOT, Task Leader for traffic engineering for a new roadway connection from the Williamsport-Lycoming County Regional Airport to the local interstate.

Corridor Analyses, Central Business District Parking Study & Traffic Calming Plan, Borough of Pottstown, PA, Project Manager, 4-lane arterial corridor within urbanized central business district.

Point of Access Study Review, PennDOT, Provided Traffic Engineering review services on two Point of Access Studies for interstate highway access in the Pittsburgh area.

Maintenance and Protection of Traffic, US 202, PennDOT, Task Leader for design of Traffic Control Plans for a section of the US 202 reconstruction and widening north of Norristown.

Philadelphia International Airport Access/I-95, PennDOT, Task Leader for the redesign of the traffic signal systems serving the main access points to the Philadelphia International Airport.

Statewide Traffic Impact Study Reviews, DelDOT, Project Manager/Traffic Task Leader for the review of traffic impact studies statewide on behalf of DelDOT.

Maintenance & Protection of Traffic, Kernville Viaduct & War Memorial Bridge, PennDOT, Project Manager for design of detour route signing including re-timings of the traffic signals

Bustleton Pike Reconstruction, PennDOT, Project Manager, for re-alignment and reconstruction of a two lane urban collector, to correct geometrically deficient combination horizontal and vertical curve.

Central Business District Traffic Study & Signal Design, City of Pottsville, PA, Optimized and coordinated the signal timings to create better levels of service. Prepared revised signal design plans.

SR 0030 and Berkeley Road, Devon, PA, Prepared Signal Design Study, Warrant Analyses and Traffic Signal design for new signal at this intersection.

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SR 0196-0652, Superstructure Replacement, Design/Build, PennDOT Project Manager for single span steel beam bridge. Included preparation of TS&L plans and calculations and final plan preparation.

SR 0309 over Toby Creek, Substructure and Superstructure repairs, Design/Build, PennDOT Project Manager for two single span concrete bridges on SR 0309 in Luzerne County.

SR 0502 over Springbrook Creek, Culvert Replacement, Design/Build, PennDOT, Project Manager for culvert replacement on SR 0502 in Lackawanna County

SR 0191-01B, Ackermanville Bridge, Design/Build, PennDOT, Project Manager for design of bridge and culvert replacement on SR 0191 in Northampton County.

Interstate 80, Open Road Tolling Conversion, Delaware River Joint Toll Bridge Commission, Project Manager for construction engineering services to contractor on Open Road Tolling conversion project.

Delaware River Bridge Scour Remediation, Delaware River Joint Toll Bridge Commission, Project Manager for construction engineering services on scour remediation projects on six.

Four Bridges, Delaware County, PennDOT, Project Leader and QA/QC manager for four bridge replacements in Delaware County.

Jim Thorpe Bridge, SR 903, PennDOT, Task Leader for the preliminary engineering and final design of new bridge over the Lehigh River in Jim Thorpe.

Schuylkill River Bridge Rehabilitations, Penrose Avenue & George C. Platt Bridges, PennDOT Task Leader responsible for preparation of Maintenance and Protection of Traffic Control Plans.

Interstate 95, Girard Point Bridge, PennDOT, Task Leader for developing and estimating the Road Users Liquidated Damages clause to reduce impact & evaluate the various traffic control measures.

Cameron Bridge Replacement, PennDOT, Led the traffic engineering efforts to support the development and consideration of 14 different alternative intersection/bridge designs.

R-3 Line Extension, Elwyn to Media, SEPTA, Project Manager for 2 mile extension of rail line including track design, electrification design, communications and signaling, and six bridge structures.

Paradise Train Station, Red Rose Transit Authority, PA, Project Manager responsible for the design and construction oversight of this new rail station on Amtrak's Harrisburg Line.

Scour Protection for Lieutenant River Bridge, AMTRAK, CT, Project Director for construction drawings and environmental permitting for the construction of rock scour protection.

Reconstruction of Culvert 3.35, AMTRAK, CT, Project Director for construction drawings and environmental permitting for relining of Culvert 3-35, due to erosion, on Amtrak's Northeast Corridor.

Dams and Lakes, Structural and Hydraulic Analyses, Southwestern Energy Corporation, PA, Project Manager for the structural and geotechnical investigation of two dam structures.

AFFILIATIONS:

- American College of Forensic Examiners Institute, *Fellow*;
- Pennsylvania Society of Professional Engineers, *Southeast Region Vice President*;
- National Society of Professional Engineers, *Fellow*;
- Newtown Township, *Supervisor*;
- Institute of Transportation Engineers, *certified Professional Traffic Operations Engineer*;
- American Society of Floodplain Managers, *Certified Floodplain Manager*.