

ELIZABETH DOLAN, P.E. – PROFESSIONAL PROFILE

POSITION: Principal
Dolan & Dean Consulting Engineers, LLC
792 Chimney Rock Road
Suite B
Martinsville, NJ 08836

PROFESSIONAL
REGISTRATION: Licensed Professional Engineer in:

- New Jersey
- Pennsylvania
- Delaware
- New York

PROFESSIONAL
MEMBERSHIPS: Institute of Transportation Engineers (ITE)
American Society of Civil Engineers (ASCE)

EDUCATION: Bachelor of Science in Civil Engineering (1986), Rutgers College of Engineering,
Rutgers University, Piscataway, New Jersey.

EXPERIENCE: Ms. Dolan has been engaged in a diverse range of traffic and design engineering projects for the past 26 years throughout the Northeast. Previously an associate and a principal with other prominent New Jersey consulting firms, Ms. Dolan formed her own firm providing specialized consulting engineering services in the areas of:

- Traffic Impact Analysis
- Transportation System Planning and Corridor Studies
- Municipal Planning and Zoning Board Consulting
- Municipal/Regional Traffic Studies
- DOT Highway Access Permit Acquisition
- Parking Demand/Feasibility Studies
- Traffic-Related Air Quality and Noise Analysis
- Expert Witness Testimony
- Traffic Signal Design
- Geometric Roadway Design
- Traffic Control Plans



TRAFFIC ENGINEERING:

Since 1986, Ms. Dolan has been responsible for the preparation of over 1,500 traffic impact analyses for proposed developments throughout New Jersey, Pennsylvania, Delaware, New York, Massachusetts, Rhode Island, and Connecticut. These studies typically include examination of existing roadway/intersection conditions, review of existing traffic volumes and travel patterns, estimation of trip generation and development of future traffic volumes, analysis of existing and project traffic conditions, conceptual layout/design of roadway/intersection improvements, and conceptual site layout/design, for the following types of projects:

- residential developments including single family subdivisions, townhouse/condominium developments, apartment complexes and age-restricted (retirement) communities
- neighborhood and regional retail developments ranging in size from 3,000 square feet to 1,500,000 square feet
- office buildings, office parks, industrial parks, "flex" space developments (office/warehouse) ranging in size from 2,000 square feet to 4,000,000 square feet
- banks, lumber/hardware stores and home improvement stores
- auto dealerships
- hospital/medical center expansions, outpatient centers, medical office buildings
- supermarkets
- fast-food restaurants
- convenience stores
- gasoline service stations
- hotels/motels
- membership/warehouse clubs
- churches
- charter schools
- day care facilities
- assisted living facilities
- marinas
- indoor and outdoor family entertainment centers
- self-storage facilities
- co-generation facilities
- mixed-use developments
- internet hotels

PARKING STUDIES:

- Traffic/Parking consultant to Ocean County, New Jersey, to conduct a comprehensive study to determine parking demand at the Ocean County Complex, and develop future parking plan.
- Shared parking analyses for various mixed-use developments.



MUNICIPAL CONSULTING:

Review of Land Development Applications, on behalf of the following Boards, with specific focus on traffic impact, access, parking, and circulation:

- Borough of Watchung Planning Board
- Township of Hamilton Planning Board
- Township of West Caldwell Zoning Board of Adjustment
- Borough of Kenilworth Planning Board
- Borough of Lebanon
- Township of Rockaway
- Township of Andover
- Borough of Rockaway
- Borough of North Plainfield
- Borough of Park Ridge Land Use Board
- Borough of East Rutherford Zoning Board of Adjustment
- Montague Township Land Use Board
- City of Summit
- Township of Piscataway

REGIONAL MUNICIPAL TRAFFIC STUDIES:

- Responsible for Corridor Analysis and preparation of MasterPlan Circulation Element for Mendham Borough, Morris County. Traffic analyses were performed for intersections along the Main Avenue corridor and other key intersections to develop a series of short-term and long-range roadway and intersection improvements to address vehicular and pedestrian demands and safety.
- Township Traffic Consultant to Montgomery and Stafford Townships, New Jersey. Responsibilities included the review of traffic studies for proposed developments to ascertain off-site traffic impacts, and review of site plans to determined conformance to Township ordinances, as well as recognized design standards. Reviews also focused on acceptability of access concepts for proposed developments, and conformance with master plan circulation elements.
- Responsible for preparation of Traffic Impact District adopted in Montgomery Township, New Jersey.
- Responsible for development of long-range traffic improvement plan, including preparation of Traffic Impact District for Stafford Township, New Jersey.
- Responsible for preparation of an Origin and Destination Study jointly funded by Montgomery Township, Princeton Township, Princeton Borough, and Rocky Hill Borough. The focus of the study was the U.S. Route 206 corridor, identifying existing travel patterns, and development a series of small scale/local road improvements to mitigate the congested Route 206 corridor.



EXPERT

TESTIMONY:

Qualified as an expert witness before the Superior Court of New Jersey, Municipal Governing Bodies, Planning and Zoning Board in the following municipalities:



In New Jersey:

Aberdeen	Florham Park	Medford	Riverdale
Allentown	Fort Lee	Metuchen	Robbinsville
Allendale	Frankford	Middlesex	Rochelle Park
Andover	Franklin (Somerset Co.)	Middletown	Rockaway Twp.
Barnegat	Franklin (Sussex Co.)	Midland Park	Roseland
Bayonne	Freehold Borough	Millburn	Roselle Park
Beachwood	Freehold Township	Millstone	Roxbury
Bedminster	Garwood	Montgomery	Rutherford
Belleville	Glassboro	Monroe (Gloucester Co.)	Sayreville
Bergenfield	Glen Rock	Monroe (Middlesex Co.)	Scotch Plains
Berkeley	Green Brook	Montague	Ship Bottom
Berkeley Heights	Hackensack	Montvale	Somerville
Bernards	Haddon	Montville	South Brunswick
Bernardsville	Hamburg	Morris	South Hackensack
Blairstown	Hamilton	Morris Plains	South Orange
Boonton	Hampton	Mountainside	South Plainfield
Branchburg	Hanover	Mountain Lakes	Sparta
Brick	Harmony	Mount Laurel	Spotswood
Bridgewater	Harrison	Mount Olive	Springfield
Brooklawn	Hasbrouck Heights	Neptune	Spring Lake Heights
Burlington	Hazlet	Newark	Stafford
Byram	Highland Park	Newton	Summit
Carney's Point	Hightstown	New Brunswick	Teaneck
Cedar Grove	Hillsborough	New Milford	Tewksbury
Chatham Borough	Hillsdale	New Providence	Tinton Falls
Chatham Township	Hoboken	North Plainfield	Toms River
Cherry Hill	Holmdel	Northvale	Union (Union Co.)
Cinnaminson	Hopatcong	North Arlington	Union (Hunterdon Co.)
Clark	Hopewell	North Bergen	Union City
Clementon	Howell	North Brunswick	Verona
Clifton	Irvington	North Caldwell	Wall
Closter	Jackson	Nutley	Wallington
Cranbury	Jersey City	Oakland	Warren
Cranford	Keansburg	Ocean	Watchung
Demarest	Kearny	Old Bridge	Washington (Gloucester Co.)
Denville	Kenilworth	Old Tappan	Washington (Morris Co.)
Deptford	Knowlton	Orange	Wayne
East Brunswick	Lacey	Palisades Park	Weehawkin
East Rutherford	Lakewood	Paramus	West Amwell
East Windsor	Lawrence	Parsippany	West Caldwell
Eatontown	Linden	Passaic	West Long Branch
Edgewater	Linwood	Perth Amboy	West Milford
Edgewater Park	Little Silver	Piscataway	West Windsor
Edison	Lodi	Plainfield	Westfield
Elizabeth	Long Branch	Plumsted	Westwood
Elmwood Park	Long Hill	Pohatcong	Woodbridge
Emerson	Lyndhurst	Princeton Borough	Woodcliff Lake
Englewood	Manchester	Princeton Township	
Ewing	Madison	Randolph	
Fairfield	Mahwah	Ramsey	
Fair Lawn	Maple Shade	Red Bank	
Fanwood	Maplewood	Readington	
Flemington	Marlboro	Ridgefield	
Florence	Medford	Ridgefield Park	
	Mendham	Ridgewood	



In Pennsylvania

Carlisle
East Marlborough
East Norriton
East Whiteland
Middletown
New Hanover
Northampton
Ontelaunee
Philadelphia
Springettsbury
Springfield
West Manchester
Whitehall

In New York

Cedarhurst
Fishkill
Hempstead
Huntington
Islip
Lewisboro
Oyster Bay
Northport
Pleasant Valley
Wappinger
Yorktown

In Connecticut

Bethel
Darien
Fairfield
Manchester
Milford

In Rhode Island

Middletown
Westerly

In Massachusetts

Norwood
Westminster

