

GARY W. DEAN, P.E., P.P. – PROFESSIONAL PROFILE

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

PROFESSIONAL REGISTRATION: Licensed Professional Engineer in:

- New Jersey
- Massachusetts
- Maine
- Pennsylvania
- Connecticut

Licensed Professional Planner in: New Jersey

PROFESSIONAL MEMBERSHIPS: Institute of Transportation Engineers (ITE)

EDUCATION: B.S. in Civil Engineering (1983), Lehigh University, Bethlehem, PA
“Fundamentals of Traffic Engineering” (1984), Georgia Tech
“Survey of Planning Law Principles” (1990), Rutgers University

TEACHING EXPERIENCE: Adjunct Professor of Civil Engineering - Lehigh University
Adjunct Professor of Civil Engineering - Lafayette College

EXPERIENCE: Mr. Dean has been engaged in a diverse range of traffic and design engineering projects for the past 28 years throughout the Northeast. Previously associated with other prominent New Jersey consulting firms, in 1998 Mr. Dean formed his own practice providing specialized consulting engineering services in the areas of:

- Traffic Impact Analysis
- Transportation System Planning, Origin/Destination and Corridor Studies
- Municipal Planning and Zoning Board Consulting
- Rezoning Studies and Circulation Element/Master Plan Preparation
- Traffic Calming Studies and Design
- Evaluation of Highway Safety Programs
- Access Review and Due Diligence Evaluation for Development
- DOT Highway Access Permitting
- Parking Demand/Feasibility Studies
- Traffic-Related Air Quality and Noise Analysis
- Expert Witness Testimony
- Traffic Signal Design
- Geometric Roadway Design
- Traffic Control Plans for Roadway Occupancy/Construction
- Highway Lighting Analyses and Design
- Sign Studies



**TRAFFIC
ENGINEERING:**

Since 1983, Mr. Dean has been responsible for over 2,000 assignments involving analysis of future traffic impacts from proposed development/ re-development projects including the examination of existing traffic conditions, projection of future traffic impacts, identification and conceptual layout/design of off-tract roadway and intersection improvements, and preparation of "fair share" cost analyses as a mechanism to implement such improvements. Such assignments have included analyses of:

- residential subdivisions and communities ranging in size from six homes to over five thousand in Planned Unit Developments;
- professional and medical office buildings and planned business parks ranging in size from 8,000 square feet to more than eight million square feet;
- retail/commercial and other "mixed-use" centers including regional malls, supermarkets and smaller neighborhood plazas;
- industrial parks, warehousing and distribution centers, and "flex-space" developments of more than one million square feet;
- institutional land uses including major medical centers/hospitals, day care/preschool/learning centers, elementary, secondary and high schools, public libraries, houses of worship, assisted living and senior citizen facilities and continuing care residential communities;
- recreational and "mixed" land uses including golf course communities, golf training/learning centers, baseball and soccer complexes, fitness and wellness/rehab centers and family entertainment facilities;
- highway/neighborhood commercial uses including extensive work for banks, pharmacies, quick-service restaurants, hotels, convenience stores, retailers, service stations and carwashes among others for national and regional corporations.

**MUNICIPAL
CONSULTING:**

Municipal Planning Board/Board of Adjustment/Board of Education consultant in the peer review of traffic studies and site plans for proposed developments, zoning changes and preparation of safety studies. Current/former municipal clients include: Wyckoff, Newton, Bloomfield, Summit, Carlstadt, East Hanover, Fredon, Chester, Moorestown, Middletown, Mountainside, Burlington, Bridgewater, Hillsborough, Branchburg, Randolph, Roxbury, Pohatcong, Franklin, Clinton, Watchung, Kenilworth, Harrison, and Park Ridge among others.

Assignments typically include the detailed review of applicable local ordinances or other design/performance standards, examination of traffic impact analysis, preparation of traffic engineering review reports and representation of the municipality at various public meetings.

Responsible for the preparation of the Circulation Element of the Municipal Master Plans for the Townships of Woodbridge and Pohatcong in New Jersey and a Township Traffic Study for the Town of Hackettstown, Warren County.

**DESIGN
ENGINEERING:**

Mr. Dean has also served as a design engineering consultant for roadway widening, intersection improvements, jughandle design, traffic signals and coordinated signal systems at over one hundred locations along State and County highways as well as municipal streets in Pennsylvania, New Jersey, and New York.



**PARKING
STUDIES:**

Responsible for the conduct of comprehensive parking demand studies and usage surveys for houses of worship, regional and community shopping centers, office parks, recreational facilities, financial institutions, schools, universities and medical centers including Rider University – Westminster Choir College, Somerset Medical Center (Somerville, NJ), Southern Ocean Medical Center, (Toms River), Capital Health Systems (Trenton), Christ Hospital (Jersey City, NJ), and Valley Hospital in Ridgewood, NJ, and the University City Science in Philadelphia, Pennsylvania. Studies have also included "shared parking" analyses at various mixed commercial/office/retail/hotel and residential sites in the Delaware Valley and throughout New Jersey.

**EXPERT
TESTIMONY:**

Qualified as an expert witness before the Superior Court of New Jersey (in Hudson, Warren, Hunterdon, Union and Morris Counties) and presented sworn testimony and been accepted as an expert before municipal governing bodies, planning and zoning boards in the municipalities and states shown below:

In Pennsylvania -

Bensalem	Carlisle	City of Bethlehem	East Pikeland
East Whiteland	Hanover	Lower Makefield	Lower Mt. Bethel
Manchester	Media	Philadelphia	Richland
So. Whitehall	Springettsbury	Tredyffrin	Upper Moreland
West Whiteland	Lower Paxton	Silver Springs	Westfall
South Abington	West Norriton	Carlisle	

In New York -

West Haverstraw	Yonkers	Islip	Orangeburg	North Castle
Wesley Hills	Fishkill	Monroe	New Rochelle	
Newburgh	North Hempstead	Rotterdam	Brookhaven	
Queens Borough	Wappinger	Croton-On-Hudson	Pleasant Valley	
Smithtown	Garden City Park	Ulster	Hempstead	

In Connecticut -

Bethel	Branford	Bridgeport	Cheshire	Clinton
Darien	Fairfield	Ridgefield	West Hartford	

In Delaware -

New Castle County Planning Board

In Massachusetts -

Acton	Agawam	Chicopee	Cohasset
Harwich	Holden	Holyoke	No. Attleborough
No. Dartmouth	Springfield	Tewksbury	Watertown



In New Jersey -

Alexandria	East Windsor	Jackson	Newark	Stafford
Allendale	Edgewater	Jefferson	Newton	Summit
Absecon	Edison	Jersey City	North Bergen	Tenaflly
Allamuchy	Elizabeth	Kearney	North Brunswick	Teaneck
Barnegat	Elmwood Park	Kenilworth	North Plainfield	Tewksbury
Barrington	Emerson	Keyport	Northfield	Tinton Falls
Bayonne	Englewood	Kingwood	Norwood	Toms River
Beachwood	Englewood Cliffs	Kinnelon	Nutley	Totowa
Bedminster	Ewing	Knowlton	Oakland	Trenton
Belleville	Fair Haven	Lambertville	Old Bridge	Union
Bellmawr	Fairfield	Lawnside	Oradell	Union City
Bergenfield	Fanwood	Lebanon Borough	Orange	Up. Saddle River
Berkeley Heights	Far Hills	Lebanon Township	Paramus	Verona
Berkeley	Flemington	Leonia	Park Ridge	Voorhees
Bernards	Florham Park	Liberty	Parsippany	Wall
Bernardsville	Fort Lee	Lincoln Park	Paterson	Wallington
Bethlehem	Frankford	Linden	Peapack-Gladstone	Wanaque
Blairstown	Franklin	Little Falls	Pennsauken	Warren
Bloomfield	Fredon	Little Ferry	Pequannock	Washington
Bloomington	Freehold	Livingston	Perth Amboy	Watchung
Bloomsbury	Frelinghuysen	Long Branch	Phillipsburg	Waterford
Bound Brook	Frenchtown	Long Hill	Piscataway	Wayne
Branchburg	Garfield	Lopatcong	Plainfield	West Amwell
Brick	Glen Rock	Lyndhurst	Pohatcong	West Milford
Bridgeton	Gloucester	Madison	Point Pleasant	West Orange
Bridgewater	Green Brook	Mahwah	Princeton	West Windsor
Brigantine	Greenwich	Manalapan	Ramsey	Westfield
Burlington	Hackensack	Manchester	Randolph	Westwood
Butler	Hackettstown	Mansfield	Raritan Borough	White
Califon	Haddon	Manville	Raritan Township	Willingboro
Carlstadt	Haddonfield	Maple Shade	Readington	Woodbridge
Cedar Grove	Haledon	Marlboro	Ridgewood	Woodcliff Lake
Chatham Borough	Hamilton	Mendham Borough	Ringwood	Wyckoff
Chatham Township	Hammonton	Middlesex	River Vale	
Cherry Hill	Hanover	Middletown	Riverdale	
Chester	Harding	Midland Park	Rochelle Park	
Cinnaminson	Harmony	Milford	Rockaway	
Clark	Harrison	Millburn	Roseland	
Cliffside Park	Hasbrouck Heights	Monroe	Roselle	
Clifton	Hawthorne	Montgomery	Roxbury	
Clinton Town	High Bridge	Montvale	Rumson	
Clinton Township	Hightstown	Montville	Rutherford	
Closter	Hillsborough	Moorestown	Sayreville	
Denville	Hillsdale	Morris	Scotch Plains	
Deptford	Hillside	Morristown	Seaside Heights	
Dunellen	Hoboken	Mount Laurel	Somerville	
East Amwell	Holland	Mount Olive	South Bound Brook	
East Brunswick	Hope	Mountainside	South Brunswick	
East Hanover	Howell	Neptune Township	South Plainfield	
East Orange	Independence	New Brunswick	Southampton	
East Rutherford	Irvington	New Providence	Springfield	

