

GORDON METH, P.E., PTOE, PTP, RSP2I
Civil Engineer

Experienced in pedestrian safety on private property and public roadways, as well as, the design, construction, and analysis of roadways and intersections, signalized intersections, roundabouts, stop sign controlled intersections, sidewalks, bicycle lanes, crosswalks, Americans with Disability Act (ADA) compliance, Manual on Uniform Traffic Control Devices compliance, temporary traffic control, work zones, utility relocation, clear zones, guide rail, drainage and stormwater management, lighting and traffic signal electrical wiring, access management plans, pedestrian and bicycle accommodation, traffic signal timing/programming, and identification of high traffic crash locations.

PROFESSIONAL EXPERIENCE

2017 to present **Robson Forensic, Inc.**
Associate

Provide technical investigations, analysis, reports, and testimony toward the resolution of commercial and personal injury litigation involving civil engineering, pedestrians struck by vehicles on private property, and public rights of way, highway design, bicycle lane design, traffic signal design, stop controlled intersection design, municipal engineering, stormwater management, and land development.

2007 to 2017 **The RBA Group/NV5**
Director of Traffic Engineering and Senior Associate

- Managed 8-11 direct reports engaged in traffic signal design, roadway design, Intelligent Transportation Systems, transportation planning studies, traffic signal optimization studies, pedestrian and traffic safety investigations, pedestrian and traffic data collection and transportation improvement projects in New Jersey, New York, Connecticut, Pennsylvania, Maryland, Delaware, and District of Columbia.
- Work experience included managing transportation projects for numerous municipalities, counties, state departments of transportation, agencies, private developers, and higher education facilities. Specific experience included reviewing speed limits and other traffic regulations for modification, identifying high crash locations, studying high crash locations for mitigation measures, designing intersection, roadway, and freeway on/off ramp improvements, including traffic signing, traffic striping, traffic signal installations and timing/programming, designing temporary traffic control plans for cross-Hudson bridges and tunnels, airports, and marine terminals (for Port Authority of New York and New Jersey), designing temporary traffic control plans and work zone traffic protection zones for other projects, preparing guide rail warrant analysis, studying and recommending potential traffic calming measures, studying locations for pedestrian crosswalks and improvements, reviewing transportation infrastructure for compliance with the Manual on Uniform Traffic Control Devices (MUTCD), Americans with Disability Act (ADA) and other federal, state, county, and local laws and regulations, acting as resident engineer for construction, prepared MUTCD warrant analysis for new traffic signals, and analyzing traffic impacts of new developments.
- Key projects included Route 9 Access Management Plan in Ocean County, Hunterdon County's traffic safety plan (which included identification of high crash locations), and Route 35 emergency reconstruction due to Hurricane Sandy.
- Work efforts included the design of nearly 300 intersections with traffic signals and related roadway improvements, the construction management (as resident engineer) of over 30 intersections with traffic signals and related roadway improvements, designed traffic signal timing plans for over 500 intersections, designed several

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roadway improvements, conducted over 50 traffic impact studies, reviewed over 350 applications, for proper civil engineering, including vehicle and pedestrian circulation and safety on sites, prepared 10 site plans for commercial developments and provided professional testimony to land use boards for in excess of 400 public hearings.

2011 to
2014 **Rutgers, The State University of New Jersey**
Adjunct Professor

Taught Introduction to Transportation Engineering to 111 Undergraduates. Topics covered included human factors and physics of design elements, design principles, MUTCD, and introduction to roadways, sidewalks, rail, and airports.

2000 to
2008 **Keller and Kirkpatrick, Inc./Greenman-Pedersen, Inc.**
Director of Transportation Planning/Assistant Vice President 2005-2007

- Lead teams engaged in transportation planning studies, traffic calming studies, land development/site engineering projects, intersection design projects (including roadway geometry, temporary traffic control, traffic signing, traffic striping, traffic signals where appropriate, electrical wiring and underground plans, and sidewalk design in conformance to the Americans with Disability Act (ADA) , utility conflicts/relocation, and traffic signal programming/timing), traffic safety investigations, developing improvement and mitigation plans for high vehicle and pedestrian crash location, temporary traffic control and work-zone traffic protection for NJ Turnpike, and transportation improvement projects.

Project Manager 2000-2004

- Lead teams engaged in transportation planning studies, traffic calming studies, land development/site engineering projects, intersection design projects (including roadway geometry, temporary traffic control, traffic signing, traffic striping, traffic signals where appropriate, electrical wiring and underground plans, and sidewalk design in conformance to the Americans with Disability Act (ADA) , utility conflicts/relocation, and traffic signal programming/timing, traffic safety investigations, developing improvement and mitigation plans for high crash location, temporary traffic control and work-zone traffic protection for NJ Turnpike, and transportation improvement projects.
- Provided expert testimony (both Civil Engineering and Traffic Engineering) before land use boards in nearly 40 municipalities at nearly 200 public hearings in New Jersey.
- Reviewed nearly 100 development projects for civil engineering and traffic engineering purposes. including vehicle and pedestrian circulation and safety on sites. This included providing expert testimony in front of land use boards.

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- Between both positions, designed over 70 intersections with traffic signals, designed traffic signal timing plans for over 300 intersections, managed the preparation of nearly 20 site plans, prepared over 60 traffic impact and/or parking studies, and managed several intersection and roadway improvement projects.

1996 to
2000

Garmen Associates

Team Leader for Traffic Engineering Studies Group

- Conducted traffic impact studies for land development projects such as office buildings and retail plazas.
- Conducted corridor studies to identify high crash locations and conceptual improvement plans for intersections.
- Determined fair share cost allocations for transportation improvements between developers and public agencies.
- Developed traffic simulations and transportation planning models using CORSIM, INTEGRATION, and MinUTP, and used these models to evaluate alternatives.
- Performed over 40 parking and traffic studies, and numerous corridor studies.

1994 to
1996

Cole, Sherman & Associates

Transportation Engineer

- Performed asset management study for transit agency and public works department.
- Developed transportation improvement plans for public sector clients.
- Developed traffic simulations and transportation planning models using EMME/2, SYSTEM/II, Integration and TRAF-NETSIM.
- Conducted traffic impact studies for large residential sub-divisions and office buildings

1992 to
1994

Regional Municipality of Peel

Transportation Engineer II

- Determined the future transportation needs of the Region of Peel, and undertook strategic level planning of new road facilities and transit services to meet these needs.
- Developed and maintained a transportation planning model for the Region of Peel using EMME/2.
- Represented the Region of Peel at meetings with staff from other government agencies.

1990 and
1992

Dufferin Construction

Field Engineer

- Planned, coordinated and managed highway and other transportation construction projects.
- Training/experience in Loss Control Leadership and accident investigation.

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PROFESSIONAL CREDENTIALS

Licensed Professional Engineer in Alabama, Alaska, Arizona, Arkansas, Connecticut, Delaware, District of Columbia, Florida, Georgia, Illinois, Indiana, Kansas, Louisiana, Maryland, Michigan, Nevada, New Jersey, New Mexico, New York, North Carolina, Ohio, Pennsylvania, Rhode Island, South Carolina, Texas, Virginia, Washington, West Virginia, Wisconsin and Ontario, Canada

Licensed Professional Traffic Engineer in California

Licensed Professional Planner in New Jersey

Licensed Professional Traffic Operations Engineer with the Transportation Professional Certification Board

Licensed Professional Transportation Planner with the Transportation Professional Certification Board

Certified Road Safety Professional, Level 2I with the Transportation Professional Certification Board

EDUCATION

Montclair State University, Montclair, NJ, Master in Business Administration, 2004

University of Waterloo, Waterloo, Ontario, Canada, Master of Applied Science in Civil Engineering (Dean's Honors List), 1992

University of Waterloo, Waterloo, Ontario, Canada, Bachelor of Applied Science in Honors Civil Engineering (Dean's Honors List), 1991

- As part of an exchange program, completed equivalent of third year of Civil Engineering degree at the University of Ulster in Northern Ireland

Continuing Education

Fundamentals of Arctic Engineering, University of Alaska Anchorage, Spring 2018

Safety Analysis of Freeways and Interchanges using Highway Safety Manual (HSM) and Interactive Highway Safety Design Model (IHSDM), 2016 by FHWA

AutoTurn, TORUS, NEXUS Training, Transoft Solutions, 2014

Roads 101: Basic Design of Low Volume Roads, Rutgers-CAIT, 2014

Highway Inspection Procedures for Federal Aid Projects, Rutgers-CAIT, 2013

Highway Safety Manual (HSM) Workshop – Intersection Safety, Rutgers-CAIT and FHWA, 2012

Compliance to the Americans with Disability Act (ADA), Rutgers-CAIT, 2011

Road Safety Audits Train-the-trainer, Rutgers-CAIT and FHWA, 2008

Control Devices: Signal Needs Determination, Institute of Transportation Engineers, 2004

Capacity Analysis: Signalized Intersections, Institute of Transportation Engineers, 2004

Safety Analysis: Signalized Intersections, Institute of Transportation Engineers, 2004

Human Factors for Transportation Engineers, FHWA, 2003

PROFESSIONAL MEMBERSHIPS

Institute of Transportation Engineers:

- Past President of Metropolitan NY/NJ Section of Institute of Transportation Engineers (2009)
- Past Chair for Northeastern District of Institute of Transportation Engineers (2015)
- Past International Director to International Board of Directors for Northeastern District (2020-2022)
- Past Chair for Traffic Engineering National Council with the Institute of Transportation Engineers (2020-2022)
- Vice Chair of Council Leadership Team with the Institute of Transportation Engineers (2023-24)
- Technical Committee Chair for six (6) annual district conventions

Member of Transportation Professional Certification Board

Member of New Jersey Planning Officials, for who Mr. Meth frequently gives training presentations to new planning board and zoning board of adjustment members

Member of TransAction Conference Committee, for whom Mr. Meth has coordinated providing engineering credits for 25-40 panels per year since 2012

TEACHING/PRESENTATIONS

Co-developed and co-taught a three day workshop on signal design and two day workshop on traffic signal electrical design sponsored by the New Jersey Department of Transportation and Rutgers CAIT. Courses are provided approximately annually since 2006

Taught FHWA Road Safety Audit one day workshop for Rutgers CAIT on multiple occasions

Co-developed and co-taught a certificate course on Designing Signalized Intersections for the Institute of Transportation Engineers. Course has been provided multiple times

Institute of Transportation Engineer's (ITE) Webinar - Introduction to Traffic Engineering Studies (July 2018)

Institute of Transportation Engineer's (ITE) Webinar - Introduction to Parking Design (September 2019)

Institute of Transportation Engineer's (ITE) Webinar – How to Handle Yourself in Depositions (December 2019)

Institute of Transportation Engineer's (ITE) Webinar – Warrants for Warning Signs/Usage/Clutter (July 2020)

Institute of Transportation Engineer's (ITE) Webinar – Hot Topics in Pavement Markings (October 2021)

Institute of Transportation Engineer's (ITE) Webinar – Sight Triangles (April 2022)

Institute of Transportation Engineer's (ITE) Webinar – Improving Safety on Rural Roads Through Signing and Striping (April 2023)

Institute of Transportation Engineer's (ITE) Webinar – The Combined effects of Alcohol and THC Marijuana and Striping (September 2023)

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Presentation on Manual on Uniform Traffic Control Devices Proposed Changes for 11th Edition – Multiple Occasions in multiple settings from May 2021 to September 2022
Presentation on Engineering Ethics – Multiple Occasions in multiple settings from September 2020 to June 2023

PUBLICATIONS/ARTICLES

Traffic Signal Maintenance Handbook, 2nd Edition, Institute of Transportation Engineers Publication TB-021A-E, March 2023. (Contributing Author)

Sustainable Traffic Signal Development Information Report, Institute of Transportation Engineers Publication IR-147-Ejournal, March 2020. (Contributing Author)

Sustainable Traffic Signal Development article, Institute of Transportation Engineers Journal, May 2015. (Contributing Author)

EXPERT NOT RETAINED