

## **Michael Coolidge Briska, P.E., P.T.O.E.**

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**Profile:** Over 20 years of experience in the traffic engineering profession which includes 10 years of municipal experience working for the City of New Rochelle supervising municipal traffic engineering operations and reviewing and producing plans, specifications and estimates for traffic signal design and 10 years of experience working in the private sector producing transportation planning and traffic engineering documents for site development.

**Licenses, Certificates, Associations:** Licensed Professional Engineer in the State of New York (License No. 087239), Licensure Date: 7/2009; Certified Professional Traffic Operations Engineer, Certificate Date: 11/2010; Member of the Institute of Transportation Engineers, ITE (joined ITE in 1998).

### **Career History:**

**Senior Traffic Engineer,** M&J Engineering, P.C., 2003 Jericho Turnpike, New Hyde Park, NY – June 2017 to Present

Duties –

- Manage projects which involve Work Zone Traffic Control Plans and Inspection of Traffic Signal and Fiber Optic Cable Installation.

Accomplishments –

- Produce Work Zone Traffic Control Plans for the MTA for construction at two facilities one on Metropolitan Avenue in Queens and the other in the Hunts Point in the Bronx. Consideration of pedestrian, bicycle and mass transit modes of transportation were incorporated into the plans.
- Full time inspection of the City of Stamford's Fiber Trunk Project. Work consisted of review of all construction operations and measurement of work item quantities by the contractors on a daily basis in accordance to Connecticut DOT standards.

**Project Manager,** RMS Engineering, 355 New York Avenue, Huntington, NY – April 2016 to June 2017

Duties –

- Managed projects which involve the production of Traffic Impact Studies and Traffic Signal Plans, Work Zone Traffic Control Plans and General Plans for site development.

Accomplishments –

- Performed studies on curb ramp and sidewalk geometry to determine if existing curb ramps on Hempstead Turnpike (NYSDOT road) met ADA requirements.
- Used AutoCAD to produce, general plans, traffic signal plans, traffic signal wiring and phasing diagrams, traffic signal removal plans, pavement marking and signage plans and work zone traffic control plans for site development on NYSDOT, Nassau County and Suffolk County roadways.
- Performed data collection, data reduction, capacity analysis and report writing.
- Produced traffic signal warrant report letters.
- Produced parking studies.
- Used Sychro and Highway Capacity Software to determine Level-of-Service for signalized and unsignalized intersections.

Traffic Engineer, City of New Rochelle, New York, 515 North Avenue – March 2006 to April 2016

Duties –

- Performed complicated and technical tasks and investigations related to traffic and transportation engineering.
- Analyzed, investigated and offered recommendations regarding traffic signal maintenance, street light applications, pavement striping, and sign fabrication and installation.
- Oversaw contracts and construction projects involving traffic signals, signs and pavement marking installations.
- Reviewed maintenance and protection of traffic and detour plans.
- Reviewed traffic impact studies.
- Performed numerous investigations using the MUTCD, AASHTO “Green Book”, New York State Vehicle and Traffic Law, Highway Capacity Manual and publications by the ITE to improve traffic flow and safety throughout New Rochelle.

Accomplishments –

- Produced plans, specifications and estimates for the furnishing and installation of traffic and pedestrian sensors (video and loop detectors) at 9 intersections and inspected the installation of these sensors.
- Restriped a portion of North Avenue (the major North/South corridor in New Rochelle) to provide for four lanes of traffic flow.
- Helped design a shared bicycle route throughout New Rochelle.
- Assisted in the design and installation of traffic calming devices (raised intersection, traffic circle).
- Developed Residential Traffic Calming and Speed Hump Programs for New Rochelle.

Project Engineer, Adler Consulting, PLLC, 235 Main Street, White Plains, NY – July 1998 to March 2006

Duties –

- Produced numerous Traffic Impact Studies for private development and Traffic Studies for municipalities.

Accomplishments –

- Performed data collection, data reduction, analysis and report writing.
- Designed traffic signal timing and phasing plans, geometric roadway design, traffic accident analyses, placement of traffic signage and markings, and determination of trip generation and trip distribution.
- Performed parking studies.
- Obtained working knowledge of ITE Manual of Transportation Engineering Studies, Highway Capacity Manual, Manual of Uniform Traffic Control Devices, Policy on Geometric Design of Highways and Streets, Trip Generation Manual, Trip Generation Handbook, Policy and Standards for Entrances to State Highways, and other technical manuals and guidelines related to field

**Education:**

- Master of Science, Environmental Engineering, Polytechnic University, Brooklyn, NY – Jan. 1998
- Bachelor of Science, Physics, University of Florida, Gainesville, FL – May 1990