

Jonathan Szap

Project Engineer - MCDONOUGH AND REA ASSOCIATES

Hamilton, NJ - Email me on Indeed: [indeed.com/r/Jonathan-Szap/a8330dd309843ed3](https://www.indeed.com/r/Jonathan-Szap/a8330dd309843ed3)

WORK EXPERIENCE

Project Engineer

MCDONOUGH AND REA ASSOCIATES - Manasquan, NJ - 1997 to March 2013

Manasquan, New Jersey • 1997-March 2013

Engineering consulting firm specializing in traffic and transportation planning for municipalities as well as commercial and residential real estate development projects.

Project Engineer

Prepare traffic impact studies for new residential and commercial developments. Collect and analyze current traffic flow data, including speeds, traffic volume, truck percentages and peak hour factors, and forecast future conditions. Consult with clients on findings and future courses of action. Write traffic impact reports for municipal planning authorities and deliver expert oral testimony as needed. Design and draft roadway and traffic striping plans, as well as intersection improvements. Prepare plans for traffic signals and related electrical systems. Design and draft maintenance and protection of traffic plans.

Major Achievement:

- Consistently compile accurate, detailed traffic impact studies and forecasts, and design infrastructure to effectively meet current and future transportation requirements.

Acting Traffic Engineer

BURLINGTON COUNTY ENGINEERING DEPARTMENT - Mount Holly, NJ - 1996 to 1997

Mt. Holly, New Jersey • 1996-1997

Office charged with maintaining and improving the county's system of roads and bridges.

Acting Traffic Engineer

Directed all day-to-day operations of the department's traffic section. Prepared and reviewed traffic impact studies as well as traffic signal, electrical and roadway striping plans. Supervised a 20-member team of maintenance workers and office staff.

Major Achievement:

- Oversaw the operation and maintenance of more than 200 traffic control signals, as well as the design, installation and upkeep of striping and signage on more than 600 miles of county roads.

JONATHAN SZAP, P.E. & P.L.S. • • j.szap@verizon.net

Career Note: Previous professional experience includes roles Assistant Traffic Engineer for the Burlington County Engineering Department in Mt. Holly, New Jersey, and Staff Engineer for Gannett Fleming in South Plainfield, New Jersey.

EDUCATION

Master of Science in Transportation

New Jersey Institute of Technology - Newark, NJ

Bachelor of Science in Civil Engineering Technology

University of North Carolina - Charlotte, NC

Associate of Applied Science in Civil Engineering Technology

Ocean County College - Toms River, NJ