

Schneider Engineering, PLLC

Sarah Oral, P.E.
Project Manager, Schneider Engineering, PLLC

Experience:

- Traffic, transportation, drainage and sanitary system analysis and design.
- Computer aided traffic flow modeling and hydraulic flow modeling.
- Traffic impact studies including data collection and engineering analysis.
- Creation of site plans, including the design of parking layouts, roadway improvements, and the maintenance and protection of traffic.
- Accident reconstruction analysis via vehicle dynamics, mechanics and road characteristics.
- Forensics engineering evaluation of roadway safety, traffic flow, and pavement marking and signage design.
- Field inspection of on-site and off-site drainage and paving.
- Field surveying and data reduction.
- A working knowledge of Federal, State, and Local specifications, standards, and procedures.

Prior to Affiliation with Schneider Engineering:

- Nasco Construction Services. Project cost estimate preparation including project for the US Supreme Court Renovation, Queens County Courthouse renovation, and the Elmor Educational Center construction.
- Triborough Bridge and Tunnel Authority (MTA Bridge and Tunnels). Project assistant to traffic engineers.
- NYC Department of Environmental Protection. Project Manager assistant with Northern Queens/Bronx pumping station projects and wastewater management review.

Expert Testimony:

- Town of Hempstead Zoning Board of Appeals

Education:

- B.S. Civil Engineering, Tulane University, Recipient of Distinguished Honor Scholarship
- Accident Reconstruction Training, The Traffic Institute of Northwestern University 2/06

License:

- State of New York Professional Engineers License #087209

Membership:

- American Society of Civil Engineers
- Society of Women Engineers
- New York Statewide Accident Reconstruction Society

