

Barbara Mosier, PE

WORK

EXPERIENCE

Sixteen years of experience as a transportation engineer working as a consultant for local and state governments, federal agencies, non-profits, and private developers.

Toole Design, Inc., Silver Spring, MD

MidAtlantic Director of Traffic Engineering: July 2019-Present

- Leads team of traffic engineers across Maryland and Pennsylvania offices conducting traffic engineering studies, planning studies, feasibility reports, safety analyses, guideline revisions and design projects focused on multimodal transportation in jurisdictions across the United States.
- Works with a wide variety of clients that include city, county, state and federal government agencies, as well as non-profits and limited private development.
- Coordinates with fellow regional and office directors in engineering and planning to guide company technical best practices and business development
- Leads and contributes to presentations to technical client staff, elected officials and the general public relating to transportation projects.

Wells + Associates, Inc., Silver Spring, MD

Senior Associate: March 2018-July 2019

Associate II: January 2006-April 2011

- Conducted, and supervised staff conducting traffic impact, parking, signal warrant and other studies to support zoning and site plan approvals for residential, commercial, institutional and mixed-use projects
- Coordinated with planning and zoning staff in jurisdictions throughout Maryland and in DC to establish study parameters and obtain project approvals. Primary jurisdictions of work included Montgomery County, Prince George's County, and Washington DC.
- Conducted and supervised staff conducting parking policy, size requirements, needs, feasibility, and shared-use studies for private developers
- Testified as an expert traffic witness for the Zoning Commission of D.C.

STV Inc, Baltimore, MD

Operations Team Lead: February 2017-March 2018

Deputy Traffic Operations Team Lead: March 2014-February 2017

- Supervised a team of engineers and EITs performing analysis using specialized traffic engineering software and analysis techniques, and oversaw production of technical reports and memos for clients such as MDTA, MTA, MD SHA, the Army Corps of Engineers, Baltimore City, Anne Arundel and Montgomery Counties and private companies.
- Coordinated and led meetings and presentations with state and county agencies as well as private stakeholders, including testifying in front of Baltimore City review panels and planning board, and testifying as an expert witness for the Baltimore City BMZA
- Oversaw cost benefit and traffic impact analysis in support of federal grant applications
- Created proposal documents, task orders, cost estimates and contract documents, including supervising and coordinating subcontractor work under both private and public agency contracts

Stantec Consulting Ltd. (fka Greenhorne & O'Mara), Laurel, MD

Traffic Engineer: April 2011-March 2014

- Gathered and interpreted traffic data and produced technical reports and memos for clients such as Army Corps of Engineers, MD SHA and Montgomery County
- Coordinated and led meeting and presentations with multiple state and county agencies as well as private stakeholders
- Performed traffic safety analysis and produced design requests for recommended intersection modifications for MD SHA
- Researched, analyzed and documented traffic demand management plan implementation and monitoring options
- Performed traffic impact analysis in support of federal NEPA compliance

EDUCATION

Bachelors of Science in *Civil Engineering and Engineering and Public Policy*
Carnegie Mellon University Pittsburgh, PA, May 2005

*COMMUNITY
VOLUNTEER
EXPERIENCE*

Have been honored to serve volunteer roles with professional associations and groups relevant to my career as well as organizations related to my children.
A sampling of these roles is below.

WTS, Baltimore, MD
Scholarship Chair - 2016-2018
Member of Transportation U Committee - 2022

Institute of Transportation Engineers, Washington District
Member of the Traffic Engineering Council, Urban Mobility Subcommittee - 2021-Present

Cub Scouts (Boy Scouts of America), Pack 617
Den Leader - 2020-Present

Bollman Bridge Elementary School PTA, Savage, MD
Spirit Night Coordinator - 2019-2020
Treasurer - 2021-Present

Maryland Bicycle & Pedestrian Advisory Committee Pedestrian Ad-Hoc Committee
Citizen Member - 2021-Present

Howard County Board of Education Policy 5200 Revision Committee
Citizen Member - Oct-Nov 2020