



F. Tavani and Associates, Inc.

Traffic Engineering and Planning

248 Beech Hill Road • Wynnewood • PA • 19096 • (215) 625-3821 Phone • (484) 792-9495 Fax

www.FTAVANIASSOCIATES.com



FRANK TAVANI, P.E., PTOE
Principal

EDUCATION

Bachelor of Civil Engineering, Rensselaer Polytechnic Institute, 1993

PROFESSIONAL REGISTRATIONS AND CERTIFICATIONS

Registered Professional Engineer (PE) in Pennsylvania
Registered Professional Traffic Operations Engineer (PTOE)

MEMBERSHIPS

Institute of Transportation Engineers
Urban Land Institute
Greater Valley Forge Transportation Management Association
Delaware Valley Engineers Week Council
Engineers' Club of Philadelphia
The Order of the Engineer

DETAILED EXPERIENCE

Mr. Tavani is the Founding Principal of F. Tavani and Associates, Inc. (FTA). His experience spans over 25 years during which he has participated in a wide range of projects including: traffic impact studies, circulation studies, corridor improvement studies, parking studies, and master planning studies. He has served the needs of developers, townships, municipalities, and states. Highlights of Mr. Tavani's experience include:

- **Villanova University, Radnor Township, Pennsylvania**
FTA has been Villanova University's traffic consultant since 2004 and has prepared traffic and parking studies for Schools of Law and Nursing, a proposed new Athletic Facility for its Varsity Basketball Team, and is currently investigating its proposed 1159-bed student living complex which involves new structured parking and student-centric commercial space.
- **Lower Merion School District High Schools, Lower Merion Township, Pennsylvania**
FTA has been Lower Merion School District's traffic consultant since 2004 and has prepared traffic and parking studies for both its high schools, two middle schools, and several elementary schools. The District has also consulted with Mr. Tavani regarding other capital projects including new bus storage and maintenance facilities.



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- **Worthington, East Whiteland Township, Pennsylvania**

Mr. Tavani served as the Principal-in-Charge for a traffic impact study of an ambitious redevelopment project in Chester County. A former steel mill located along the Route 29 corridor was examined as a potential rezoning project featuring a premier "live-work-play" community featuring hundreds of residential-over-retail units, over one half million SF of retail space, and several office buildings. Working with several consultants, Mr. Tavani assisted in moving the project through PENNDOT and played a key role in developing the project's offsite road improvements, which included changes to Routes 202 and 29.

- **Novartis Pharmaceuticals, East Hanover, New Jersey**

FTA reviewed the vehicular and pedestrian circulation of the USA headquarters of this major pharmaceutical company. The campus serves thousands of employees and has evolved over a period of many years and as a result of evolution of the campus, some areas have aspects of design which are inconsistent with other areas. This lack of consistency creates an environment which is consciously and subconsciously unsettling to motorists and pedestrians alike. FTA prepared a study and design documents addressing inconsistent pavement markings, signage placement and types, and other unexpected or unpredictable conditions throughout the campus in its Roadway and Walkway Study. The study also addressed speeding issues by evaluating existing speed bumps for "spot" control of speeds and suggesting new ways to retrofit the existing roadway network to encourage motorists to drive at speeds which are reasonable for the surroundings.

- **Hill View Retirement Community, Valley Township, Pennsylvania**

Construction of this retirement community began in 2004 and is located near Coatesville on a parcel of approximately 200 acres. The proposed community will be home to approximately 1,500 retirees aged 55 and over. An unusual aspect of this land development application was the parcel itself – about two thirds of which is in Caln Township and one third of which is in Valley Township. This required extensive additional hearings, testimony, coordination, and interdependency among the two municipalities, all of which is an uncommon challenge.

- **USPS Distribution Hub, Philadelphia, Pennsylvania**

Mr. Tavani assisted the United States Postal Service (USPS) through the conduct of traffic engineering services for the proposed USPS Philadelphia Processing and Distribution Center and Vehicle Maintenance Facility. The former distribution facility was located at 30th and Market Streets in downtown Philadelphia and the new site is located in Southwest Philadelphia, minutes from I-95 and the Philadelphia International Airport. The new facility is expansive in all senses of the word. The facility is the largest building under one roof in Philadelphia and employs over 4,000 people, features 150 truck loading docks, and generates about 5,000 truck trips per day. The facility is expected to process over 3,000,000,000 pieces of mail annually. Any operation of this scale has considerable traffic impacts. Mr. Tavani identified ways to resolve critical traffic concerns of both the client and neighborhood residents. After several meetings with City officials, a traffic plan evolved that included the construction of several new intersections, driveways, and thoroughfares.



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OTHER EXPERIENCE

In addition to the detailed experience listed above, Mr. Tavani's has also represented many other clients which span several industries and types of development, including retail, residential, pharmaceutical, manufacturing, finance, and hospitality industries. In addition to those listed above, some other clients for whom Mr. Tavani has worked include:

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|------------------------------|-------------------------|----------------------------|
| Wolflington Properties | Arby's | Infiniti of Ardmore |
| Aqua America | Play & Learn | Honda of Ardmore |
| Merck | Eastern University | Sports Authority |
| Qdoba | Princeton University | Stonebridge Associates |
| Ninety-Nine Restaurant & Pub | Saunders House | SAP America |
| St. Joseph's University | Heritage Building Group | Giant Supermarkets |
| Fresh Fields | IKEA | Pennsylvania National Bank |
| Peter Batchelor Architects | Main Line Health | and various local churches |
| Starbucks | SEPTA | as well as synagogues |

In addition to working on behalf of developers, businesses, and institutions, Mr. Tavani and FTA have also had experience in reviewing traffic studies and submittals on behalf of townships and municipalities, including Cheltenham Township, Montgomery County, Pennsylvania and Caln Township, Chester County, Pennsylvania.

TEACHING AND LECTURING

Mr. Tavani occasionally is a guest lecturer at local universities covering topics of traffic engineering and roadway design as both apply to land development and expert witness questioning and preparation.

VOLUNTEERING AND ACTIVISM

Mr. Tavani joined the Delaware Valley Engineers Week Council in 2003 and has participated in assisting in the oversight of the celebration of "Engineers Week" which is held every February. This group also participates with local schools and fosters interest in engineering through many programs and activities, including Future City competitions in southeastern Pennsylvania, southern New Jersey, and Delaware.