

# Christopher M. Tacinelli, P.E.

Director of Engineering Services

Mr. Tacinelli currently serves as the Director of Engineering Services at Gorove/Slade Associates. In this capacity he is responsible for managing all of the day to day operations of the firm as they relate to practice management, financial operations, marketing and human resources. Mr. Tacinelli provides consulting services and oversees a number of projects in the D.C. Metropolitan area as well as throughout the country. He has performed a variety of work in the disciplines of both traffic engineering and transportation planning where he has provided consulting services including expert testimony. He has been published in trade magazines and has been a speaker at the ITE annual conference.

### EDUCATION

Bachelor of Science, Civil Engineering  
Syracuse University, Syracuse, New York

### PROFESSIONAL REGISTRATION

Professional Engineer, Virginia

### PROFESSIONAL ASSOCIATIONS

Institute of Transportation Engineers  
National Association of Industrial and Office Properties (NAIOP)  
Dulles Area Transportation Assoc.  
International Council of Shopping Centers

### PUBLICATIONS

"Evaluating SUV's Impact on Parking Operations," Parking Today, May 2001

"Bartering can drive projects through road requirements", Washington Business Journal, September 14, 2001

Speaker, "Parking and Maneuverability of Today's Vehicles." ITE Annual International Convention, Nashville, Tennessee August 2000

"The Size of Vehicles Today, Parking and Maneuverability" ITE Annual Meeting Compendium of Technical Papers, Nashville, Tennessee 2000

**ZONING COMMISSION**  
**District of Columbia**

Case 01-07

Exhibit 33

### Representative Projects

#### TRAFFIC IMPACT STUDIES AND ENVIRONMENTAL ASSESSMENTS

Performed traffic impact studies both included and separate from Environmental Impact Studies including site reconnaissance to determine access opportunities and constraints, and reports summarizing findings of traffic mitigation, progression and level of service analysis.

#### OFFICE/RESIDENTIAL DEVELOPMENT

Served as project manager on several office and residential development projects located in the Washington D.C. area. Several projects involved site planning and access planning as well as the design of both traffic signals and parking garage facilities.

#### Kennedy Warren Apartments

##### Washington, D.C.

The work on this project entailed providing traffic and parking analysis supporting the PUD application to increase the size of the existing apartments by adding an additional wing onto the building. The work involved interaction with the neighboring community as well as the DC DPW to evaluate and mitigate parking and transportation impacts.

#### United States Patent and Trademark Office (PTO)

##### Alexandria, Virginia

The PTO was looking to consolidate and relocate its multiple offices into a single campus setting with multiple office buildings. The project involved the design of the street network and parking facilities serving the property. This involved work on the adjacent parking garages, public and private streets and the heavily traveled Duke Street corridor.

#### RETAIL/ENTERTAINMENT DEVELOPMENT

Prepared several retail traffic impact studies, both separate and included as part of Environmental Assessments including roadway and intersection design, signal progression, site access and parking layout design, parking garage design and site feasibility studies.

#### Washington Convention Center

##### Washington, D.C.

Worked with the convention center team to evaluate the traffic and parking impacts associated with the development of a new convention center in the downtown. The analysis involved the preparation of a traffic simulation for over 70 intersections in the downtown.

#### Plaza America

##### Reston, Virginia

Plaza America is a mixed-use facility located between downtown Tyson's Corner and the Dulles International Airport. The work on the facility involved the preparation of a traffic impacts study, negotiations through the rezoning process, signal design, site design and parking garage access and design.

**Christopher M. Tacinelli** (Continued)

## **PUBLIC SECTOR**

Served as project manager on projects involving the design and analysis of both existing and planned roadway systems in the Northern Virginia Area. The work involved coordination with a multi-disciplined design team and interaction with the public through open public meetings.

### **I-95 Interchange Feasibility and Design**

#### **Stafford County, Virginia, Virginia Department of Transportation.**

Served as Project Manager for a Major Investment Study (MIS) involving the addition of an interchange on Interstate 95 in Stafford County, Virginia. Performed traffic planning and preliminary traffic engineering to determine location and design of interchange system involving both an interchange and collector/distributor roadways. Modeled future traffic conditions in order to determine warranted improvements pertaining to future (2020) conditions.

### **I-95 and Route 123 Park and Ride Lot**

#### **Prince William County, Virginia, Virginia Department of Transportation**

Served as project manager for a design project involving the preparation of several alternative design modifications for the park and ride lot at Route 123. The work involved the review of access alternatives and parking lot layout designs to accommodate bus access, vehicular access and pedestrian circulation. Traffic simulation was utilized in order to provide both analytical and visual measures of effectiveness to assess the various designs.

## **PARKING GARAGE ACCESS AND LAYOUT DESIGN**

Managed several studies involving the planning, design and evaluation of parking structures serving multiple land uses. The tasks involved the functional evaluation of access design, ramp design, circulation design and parking layout design. The following are some of the major tasks for select projects:

- v Parking garage parking layout design and external access recommendations for parking structures to support the Mohegan Sun Resort in Montville, Connecticut.
- v Parking garage parking layout recommendations and valet service options for a parking garage supporting the Kennedy Warren apartment complex in the District of Columbia.
- v Parking garage internal circulation design and exterior access design for two parking garage facilities serving the Plaza America Office Park, Fairfax County, Virginia.

## **SIMULATION, SIGNAL DESIGN AND GEOMETRIC DESIGN**

**Traffic Simulation.** Managed several traffic network and traffic corridor simulation studies of existing and future conditions in order to determine future operating conditions and optimize corridor timing plans. The primary objective was to improve the flow of traffic along the major commuting corridors while minimizing side street delay for both cross streets and private development utilizing traffic simulation software including CORSIM and Synchro. *Representative projects include: Duke Street Corridor, Alexandria, Virginia; Route 7 (Leesburg Pike), Fairfax County, Virginia; Claiborne Parkway, Loudoun County, Virginia; Pacific Boulevard, Loudoun County, Virginia; Route 32, Central Valley, New York; I-495 Frontage Road System, Long Island, New York, Columbus Boulevard, Hartford, Connecticut.*

**Geometric Design.** Designed a number of intersections to incorporate pavement markings, signal locations, and curb radii to accommodate vehicular movements. Other geometric design projects involved preliminary roadway location and design, conceptual design preparation and final design review for both public and private streets and internal site circulation roadways.

### **Computer Application and Software Experience:**

Mr. Tacinelli has an extensive background in a variety of engineering software applications, including Highway Capacity Software (HCS), CORSIM and TRAF-NETSIM, PASSER, Synchro and WinTASS. He is also familiar with numerous major commercial software packages such as AutoCAD, Maptitude (GIS), Lotus SmartSuite (1-2-3, Word Pro), Microsoft Office (Excel, Word, Outlook, Powerpoint), and Quattro Pro.

