

# Daniel B. VanPelt, P.E., PTOE

## Vice President and Principal

Mr. VanPelt's wide range of traffic and transportation project experience includes: traffic impact studies, site access and circulation planning, functional parking lot and garage design, parking demand analysis, corridor studies, campus master planning, major data collection efforts, loading dock design, intersection improvement design, signal design, signing and pavement marking design, and expert witness testimony. He has worked for public, private and institutional sector clients throughout the United States and has worked internationally on projects in the United Arab Emirates, China, Venezuela, Brazil and Mexico.

### Education

Master of Science in Civil Engineering, *Washington University in St. Louis*  
Bachelor of Science in Civil Engineering, *Washington University in St. Louis*  
Bachelor of Science in Physics, *Bethany College*

### Professional Registrations

Licensed Professional Engineer – Virginia #0402 037160, Pennsylvania #PE074759, Maryland #36413, District of Columbia #PE904669, and West Virginia #18288; Registered Professional Traffic Operations Engineer

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### Professional Associations

Institute of Transportation Engineers (ITE); Society for College and University Planning (SCUP); International Council of Shopping Centers (ICSC); American Society of Civil Engineers (ASCE); NAIOP Northern Virginia; and Lambda Alpha International Land Economics Honor Society

### Publications

ITE webinar presenter for "Multi-Modal School Site Planning, Design and Transportation for Primary Grades K-8." 2010

"Lots to Learn; Don't let parking and traffic problems sink your entertainment business," *Casino Journal*, December 2003, p. 28.

### Representative Experience

#### CAMPUSES AND MASTER PLANS

Mr. VanPelt has developed transportation master plans, demand management plans, construction management plans, circulation studies, and parking studies for a number of universities, schools and institutions including the American University Campus Plan, Washington, DC; Georgetown University Campus Plan, Washington, DC; Howard University Campus Plan, Washington, DC; Indiana University Campus Plan, Bloomington, IN; IUPUI Campus Plan, Indianapolis, IN; Calhoun Street East-Waterfront Area Plan, Charleston, SC; US Capitol Complex Master Plan, Washington, DC; The Capitol Visitor Center, Washington, DC; Cannon House Office Building Renewal, Washington, DC; Princeton University Campus Framework Plan, Princeton, NJ; Yale University Medical District, New Haven, CT; Hartford Strategic Framework, Hartford, CT; The National Cathedral Campus Plan, Washington, DC; The Bullis School, Potomac, MD; Alexandria Country Day School, Alexandria, VA; and The Phillips Collection, Washington, DC.

#### MIXED-USE AND COMMERCIAL DEVELOPMENTS

Mr. VanPelt has prepared traffic studies, parking analysis, site access planning, loading access design, site circulation planning and signal designs for projects including: Monument Ballpark, Washington, DC; Monaco I/II and Sanremo, Jersey City, NJ; Children's Museum and Air Rights Buildings at L'Enfant Plaza, Washington, DC; Shamrock Business Center, Painesville, OH; Auyare I/II and Hacienda Santa Cruz, Caracas, Venezuela; Oaklawn in

Leesburg, Leesburg, VA; Dubai International Finance Center, Dubai, UAE; 5th & K Streets NW, Washington, DC; and Journal Square Centre, Jersey City, NJ.

#### **HOSPITALITY AND ENTERTAINMENT**

Mr. VanPelt has worked on numerous hospitality and entertainment sites throughout North and South America. Projects include the St. Regis Mohawk Casino, Monticello, NY; Turning Stone Casino Resort, Verona, NY; Gaylord Texan, Grapevine, TX; Gaylord National Harbor, Prince George's County, MD; Mohegan Sun Casino Resort, Uncasville, CT; W Mexico City, Polanco, Mexico D.F.; Meskwaki Casino, Tama, IA; Marriott Orlando World Center, Orlando, FL; the Connecticut Convention Center, Hartford, CT; and Pikes Peak International Raceway, Colorado Springs, CO.

#### **SHOPPING CENTERS AND MALLS**

Mr. VanPelt has prepared traffic, parking, site access and site circulation studies for grocery stores, lifestyle centers, power centers, regional centers and urban retail including the Citadel Harris Teeter, Washington, DC; Mondawmin Mall Redevelopment, Baltimore, MD; DC USA Target and Best Buy, Washington, DC; Trotwood Town Center, Trotwood, OH; The Avenue Viera, Viera, FL; The Avenue Carriage Crossing, Collierville, TN; Woodbridge Center, Woodbridge, New Jersey; Kendall Town Center, Miami, FL; Summerlin Mall, Summerlin, NV; Chicago Premium Outlets, Aurora, IL; North Georgia Premium Outlets, Dawsonville, GA; Park Meadows Mall, Denver, CO; Owings Mills Mall, Owings Mills, MD; and Kittery Premium Outlets, Kittery, ME.

#### **OFFICE AND RESIDENTIAL DEVELOPMENTS**

Mr. VanPelt has worked on office and residential development projects involving site planning and access planning as well as the design of both traffic signals and parking garage facilities. Projects have included 1700 K Street NW, Washington, DC; City View Condos, Washington, DC; Westmoreland House at Huntington Metro, Alexandria, VA; Balmoral Residential, Prince William County, VA; Red Cedar, Loudoun County, VA.

#### **PARKING STUDIES AND PARKING GARAGE DESIGN**

Mr. VanPelt has performed parking needs studies and garage planning for projects such as the Dubai International Finance Center, Dubai, UAE; National Cathedral Bus Garage Design, Washington, DC; City View Condos, Hyattsville, MD; ER One Washington Hospital Center, Washington, DC; and Ronald Reagan National Airport, Arlington, VA.

#### **TRAFFIC IMPACT STUDIES**

Mr. VanPelt has conducted numerous traffic impact studies in support of rezoning, subdivision, site plan approvals and EIS applications for large and small residential, commercial, office retail and institutional developments. His work includes experience in Pennsylvania, Ohio, Virginia, Maryland, New Jersey, New York, Connecticut and the District of Columbia.

#### **DATA COLLECTION STUDIES**

Mr. VanPelt has conducted large-scale data collection efforts including traffic counts, pedestrian counts, vehicle classification counts, speed studies and origin-destination studies. Examples include managing a long-term data collection program for the New Jersey DOT in northern New Jersey and supervising data collection efforts at both the Lincoln and Holland Tunnels for the Port Authority of New York and New Jersey.

#### **MEDICAL CAMPUS AND OFFICES**

Mr. VanPelt has provided transportation master planning and traffic studies for a variety of medical facilities, including The Ohio State University Medical Center in Columbus, OH; Indiana University-Purdue University, Indianapolis/Clarian Medical Center in Indianapolis, IN; Sibley Hospital in Washington, DC; Reston Hospital in Reston, VA; and the ER-1 scalable prototype major emergency facility at Washington Hospital Center in Washington, DC.