



# Leon F. Anderson

## Associate

Mr. Anderson has gained significant transportation engineering and planning experience in both the public and private sectors. His experience includes traffic impact studies, parking studies, circulation planning, queuing analyses, traffic simulation, roadway signing and striping planning, and signal design. Mr. Anderson previously worked with Wells & Associates, Inc, in Mclean, Virginia and interned with the District Department of Transportation (DDOT), Washington, DC. Projects Mr. Anderson's experience includes entertainment and recreational complexes, educational institutions, churches, small and large commercial facilities, residential developments, government facilities and mixed-use developments. While the many of the aforementioned projects have been concentrated in the DC metropolitan region, Mr. Anderson has worked on projects throughout the United States.

### PROFESSIONAL REGISTRATION AND CERTIFICATION

Engineer-In-Training, Maryland

### EDUCATION

University of Maryland, College Park: Masters of Science, Civil Engineering (2003)  
Howard University, Washington, DC: Bachelors of Science, Civil Engineering (2001)

### PROFESSIONAL ASSOCIATIONS

Institute of Transportation Engineers (ITE)  
American Society of Engineers (ASCE)

### RELEVANT EXPERIENCE

#### TRAFFIC IMPACT STUDIES AND ASSESSMENTS

Mr. Anderson served as the project engineer for several traffic impact analyses in northern Virginia. These analyses include the responsibilities of data tabulation, analyses, and preparation of illustrative and written documents.

- **Major League Ballpark Studies, Washington DC.**

Mr. Anderson served as the project engineer for the transportation engineering portions of the Environmental Mitigation Study (EMS) and transportation management plan (TMP) for the new Ballpark in Washington DC. This included demand modeling, traffic and parking forecasts, traffic assignments, mode split determinations, and capacity analyses for private automobile, transit and pedestrian traffic.

- **Ohio State University, Columbus Ohio.**

Mr. Anderson served as the project engineer on several projects for Ohio State University in a campus-planning role. The projects include traffic forecasts and analyses of future transportation improvements and campus development, and the creation of a traffic simulation for the entire campus to assist campus-wide operations and planning.

- **Pimlico and Laurel Race Tracks, Maryland.**

Mr. Anderson served as the project engineer for the traffic impacts and parking analyses performed for the expansion of Pimlico and Laurel Park Race Tracks in Maryland. These analyses included traffic



and parking forecasts and demand models to assist the expansion planning process. Pimlico Race track is 140 acres and accommodates over 4,000 vehicles and 100,000 patrons during the Preakness.

## **TRAFFIC IMPACT STUDIES AND SIMULATIONS**

Mr. Anderson has served as the project engineer for several traffic simulation projects. These analyses include setting up networks to find the best signal plan and timings for a single signal design or a whole roadway corridor. Simulation also includes finding acceptable routes for circulation and access in loading docks, parking garages, and on roadways.

### **▪ Retail Developments**

- Gettysburg Factory Outlet Stores
- North Georgia Premium Outlets
- L'Enfant Plaza
- Trotwood Town Center, Ohio
- Arlington Mills
- The Shops at Herndon (Wells)
- Center at Culpeper (Wells)

### **▪ Residential Developments**

- Fairfield Capitol Commerce Center
- Fairfield at Baileys Crossing (Wells)
- North Georgia Premium Outlets
- L'Enfant Plaza
- Trotwood Town Center
- Arlington Mills
- Commons of Mclean (Wells)
- Collier Property (Wells)
- Parkside PUD - Washington, DC
- Bethesda Gateway - Bethesda, MD
- Maritime Plaza

### **▪ Commercial Developments**

- 51 Louisiana, Washington DC
- World Bank
- 1000 Connecticut Avenue, Washington DC
- Anacostia Federal Center
- Fairfield Marina View
- 25th Street, Washington DC
- Commerce Bank Willston (Wells)
- Potomac Valley Bank

### **▪ Other Developments**

- National Institute of Health
- Sibley Hospital
- Laurel Park and Pimlico Race Tracks (Wells)
- Ohio State University & Hospital
- Deanwood Recreation Center



- Georgetown University
- Arts & Technology Public Charter School

## **ADDITIONAL EXPERIENCE**

- **Planning Studies**

- Wesley Seminary Master Plan, Washington, DC
- NCI Frederick Master Plan, Frederick, MD

- **Parking Demand Analysis**

- Gettysburg Village Factory Stores, Gettysburg, PA
- 1960 Gallows Road (Wells)

## **COMPUTER APPLICATIONS AND SOFTWARE EXPERIENCE**

Mr. Anderson has experience using a variety of transportation engineering software applications including AutoCAD (R14, 2000, 2002), Vehicle maneuvering simulation (AutoTurn), Highway Capacity Software (HCS) 2000, Roadway geometric design (Eagle Point), Roadway network micro-simulation (TSIS/Corsim), Traffic signal timing and coordination (Synchro 5), Trip distribution and assignment (WinTASS), and Microsoft Office applications (Word, Excel, PowerPoint, Access)