

Erwin N. Andres, P.E.

Principal

Mr. Andres has 20 years of experience working on a wide range of traffic and transportation projects serving private sector, public sector, institutional, and federal agency clients in the metropolitan Washington, DC area. His diverse experience bridges the disciplines of civil engineering design, urban transportation planning, traffic engineering, land development, environmental analysis, and transportation systems design.

His experience has also been geared to serve the strategic development needs of private developers, address local jurisdictional approval requirements for federal agency clients, and develop sound transportation operational and management plans for institutional clients. Mr. Andres has directed studies related to traffic circulation, transit, parking demand, and transportation demand management for new developments and urban infill redevelopments. He has performed traffic impact assessments for a wide range of land uses that include residential, office, shopping and convention centers, and institutional complexes.

Professional Registration: Professional Engineer: Maryland (#29177), New Jersey (#4557000)

Education: Bachelor of Science, Civil Engineering, *Rutgers University, New Brunswick, NJ (1994)*

Publications: "Ask the Expert", Healthcare Magazine, November 2003
ULI North Capitol Main Street Technical Assistance Program Study, August 2009

Professional Associations:

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| Urban Land Institute (ULI) | Georgetown University Real Estate Program, Lecturer |
| American Planning Association (APA) | University of Maryland School of Architecture, Lecturer |
| Institute of Transportation Engineers (ITE) | Lambda Alpha International (LAI), Chapter President |
| DC Building Industry Association (DCBIA) | International Council of Shopping Centers (ICSC) |

MIXED-USE AND TRANSIT ORIENTED DEVELOPMENTS

Mr. Andres has managed a number of mixed-used developments in the District of Columbia. The analysis addresses the existing traffic conditions, future traffic conditions without development, and future traffic conditions with development. Other tasks that are usually involved in larger projects of this nature are traffic signal design plans, parking analysis, site access and circulation planning, vehicular maneuverability analysis and loading access design, and Transportation Demand Management (TDM). Mr. Andres has also managed transportation studies for mixed-use developments that analyzed potential multi-trip sharing and shared parking between restaurant, hotel, bank, residential, office, and retail center uses. Principal tasks of these projects include vehicular and parking generation, development of parking demand profiles, entrance design for large vehicle circulation access, and identification of general street traffic conditions around the site.

Representative projects include the following:

CityCenter DC, Washington, DC
The Yards, Washington, DC
Burnham Place at Union Station, Washington, DC
Georgetown Safeway, Washington, DC
North Bethesda Conference Center, Bethesda, MD
Skyland Town Center, Washington, DC
The Louis at 14th & U, Washington, DC

The Apollo (H St. NE) Whole Foods, Washington, DC
Florida Rock Redevelopment, Washington, DC
Half Street Akridge Development, Washington, DC
Petworth Safeway, Washington, DC
East Capitol Street Gateway, Washington, DC
Georgia Avenue Walmart, Washington, DC
H Street Connection, Washington, DC

MASTER PLANNING AND REDEVELOPMENT PROJECTS

Mr. Andres has worked on the transportation aspects of comprehensive master plans. Tasks for these types of projects include developing multi-modal plans, long-term transportation master plans, near-term detailed traffic analyses, on-site circulation studies, parking studies, maneuverability analyses, and Transportation Demand Management plans. Representative projects include the following:

Walter Reed Army Medical Center, Washington, DC
Brookland/CUA Small Area Plan, Washington, DC
Takoma Small Area Plan, Washington, DC
NASA Goddard Master Plan, Greenbelt, MD
NIH Master Plan, Bethesda, MD
NSA-Bethesda Master Plan
DC United Soccer Stadium, Washington, DC
USDOT Headquarters Building, Washington, DC

Mt. Rainier M-UTC Plan, Mt. Rainier, MD
FBI Headquarters Building, Washington, DC
Suitland Federal Center, Suitland, MD
NCI-Frederick Master Plan, Ft. Detrick, MD
Florida Avenue Market, Washington, DC
Washington Nationals Stadium, Washington, DC
DHS at St. Elizabeth's Campus, Washington, DC

CAMPUSES, SCHOOLS, AND INSTITUTIONS

Mr. Andres has been involved with the development of circulation studies, traffic simulations, traffic signal design, parking studies, transportation master plans and data collection for many universities, schools and institutions. Representative projects include the following:

Ohio State University, Columbus, OH
UVA Health Sciences District, Charlottesville, VA
National Museum AAH&C, Washington, DC
Washington International School, Washington, DC
Washington National Cathedral, Washington, DC
Woodrow Wilson High School, Washington, DC
Cardozo High School, Washington, DC

Kingsbury Academy, Washington, DC
Duke Ellington School, Washington, DC
Evermay, Washington, DC
Halcyon House, Washington, DC
DC Courts, Washington, DC
National Academy of Sciences, Washington, DC
Corcoran Art Gallery Addition, Washington, DC

PUBLIC TESTIMONY

Mr. Andres has been qualified as an expert witness before Zoning Boards and Commissions in numerous jurisdictions throughout the northeast United States that include the District of Columbia, Montgomery County and Prince George's County in Maryland, and numerous counties in Pennsylvania, New Jersey, New York and Connecticut.