

DANIEL M. DUKE, PE

Principal

dduke@bohlereng.com

EDUCATION

M.S. Civil Engineering
Villanova University

B.S. Civil Engineering
Villanova University

PROFESSIONAL LICENSES

Virginia PE #0402-034104
District of Columbia PE
#900392

Maryland PE #0026720
North Carolina PE #041188
New Jersey PE
#24GE05131100

PROFESSIONAL AFFILIATIONS

District of Columbia Building
Industry Association

American Society of Civil
Engineers

National Society of Professional
Engineers

Engineers and Surveyors
Institute

International Council of
Shopping Centers

NAIOP

Northern Virginia Building
Industry Association

Maryland Building Industry

Dan currently serves as Principal for Bohler DC and is primarily responsible for leadership, staff development, business development and project management.

Dan is an expert in site feasibility analyses, site layout and planning, zoning and subdivision/land development ordinance review interpretation. He has offered expert testimony in several municipalities before Planning Commissions, Zoning Hearing Boards and related entities in the District of Columbia, Maryland, Virginia, Delaware and Pennsylvania.

Dan has cultivated many key client relationships for both Bohler's Mid-Atlantic region and corporate office. Through these relationships, he has been involved with local organizations which influence and partake in the future direction of regulatory advancements. These organizations include:

- Washington DC Economic Partnership (WDCEP), Board Member
- DCBIA Leaders in Development, Executive Committee Member
- DCBIA Committee on the Environment
- NVBIA/NAIOP Urban Chapter
- Washington Building Congress
- Urban Land Institute, Washington, DC Chapter
- NAIOP Sustainable Design
- Metropolitan Washington Council of Governments



BOHLERTM

ZONING COMMISSION^{DC}

District of Columbia
CASE NO.15-07
EXHIBIT NO.31F

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:

Urban Land Institute (ULI)

American Planning Association (APA)

Institute of Transportation Engineers (ITE)

DC Building Industry Association (DCBIA)

Georgetown University Real Estate Program, Lecturer

University of Maryland School of Architecture, Lecturer

Lambda Alpha International (LAI), Chapter President

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.

Brandon Reed Robinson AIA, LEED AP

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EXPERIENCE:

2014 - present **hord | coplan | macht**, 2000 Duke Street, Suite 120; Alexandria, VA 22314

2011 to 2014 **MV+A Architects**

A mid-sized, full-service, architecture and planning firm, based in Washington DC, that specializes in retail and large mixed-use projects with a large retail component.

The following projects and tasks are only the highlights of my work for MV+A Architects:

Project Manager: 77 H Street (new construction)

A roughly 500,000 square foot, 300 apartment unit over big box retail mixed use project near the heart of Washington DC.

Managed the completion of the residential portion of the project design and documentation and single handedly managed construction administration during the almost two year construction schedule.

Cameron Park (planning, schematic design, & entitlements)

A three phase, roughly 7 acre project that includes 66 townhomes and two mixed use buildings totalling over 700,000 square feet and 450 units.

Managed the project from early planning through site plan submittal.

2010 to 2011

Freelance Consulting for:

DVA Architects, L.L.C.

A mid-sized, full-service, architecture, planning, and interiors firm, based in Gaithersburg, Maryland, that specializes in speculative office buildings and adaptive re-use projects.

The following projects and tasks are only the highlights of my work for DVA Architects:

Project Manager: Okun Clinic and Camps Pediatrics (interior renovation)

Two adjacent pediatric dentist offices totalling roughly 7,000 square feet.

Managing construction administration for both projects.

New England Life (interior renovation)

A 9,000 square foot commercial office space.

Responsible for design and construction documents of space.

Project Architect: National Harbor Public Amenity Space (interior renovation)

Design of a 3,000 square foot residential public amenity space.

Produced schematic design and preliminary pricing drawings.

Broadcom (interior renovation)

An 8,000 square foot commercial office space.

Responsible for producing construction documents.

2010 to 2010

Louviere, Stratton and Yokel, L.L.C.

A mid-size architecture firm in Silver Spring, Maryland, that specializes in medical and research laboratory planning and design.

The following projects and tasks are only the highlights of my work at LSY Architects:

Project Architect: CNMC Sheikh Zayed Institute for Pediatric Surgical Innovation (renovation)

A 20,000 square foot research laboratory with administrative support.

Coordinated mechanical and electrical systems and developed the final specifications for the project.

NCI Peer Review (peer review)

Review of a 300,000 square foot cancer research facility for NCI.

Responsible for reviewing life-safety, code analysis and ceiling systems and details for the entire facility in less than a week.

2009 to 2009

Smolen • Emr + Associates Architects

A mid-size architecture firm in Rockville, Maryland, that specializes in Kindergarten through twelfth (12th) grade schools.

The following projects and tasks are only the highlights of my work at SEAA:

Project Manager: CCPS Kindergarten Additions (addition & renovation)
A number of 4,000 to 7,000 square foot classroom additions.
Managed construction administration for four elementary school additions that were being constructed at roughly the same time.

Designer / Planner: John Archer School Scope Study (scope/feasibility report)
A 100,000 square foot school and care facility for the severely disabled.
Researched requirements for the school, created and presented presentations to committee members, coordinated the AE and cost estimating efforts, wrote and assembled the report and presentation.

Imagine School (concept & schematic design)
An 80,000 square foot charter school for grades K through eighth.
Developed one of the concept designs for the charter school to take maximum advantage of a small site and sustainable design practices.

Project Architect: Ridgeway Elementary Kindergarten Addition (addition & renovation)
A 6,000 square foot classroom addition.
Project leader taking the project from schematic design through construction documents in less than two months.

2007 to 2009

Donnally Vujcic Associates Architects

A mid-sized, full-service, architecture, planning, and interiors firm, based in Gaithersburg, Maryland, that specializes in speculative office buildings and adaptive re-use projects.

The following projects and tasks are only the highlights of my work at DVA Architects:

Designer / Planner: *8621 Georgia Avenue (new construction)*
A 13-story speculative office building in downtown Silver Spring.
Researched the project's initial Zoning and Building Code analysis and produced the schematic design package in close cooperation with the project's manager and other key project team members.

Fenton Street Plaza (new construction)
A 3-story mixed-use office and retail building in downtown Silver Spring.
Researched the project's initial Zoning and Building Code analysis, developed the preliminary design for the project site—including numerous alternate schemes and the development numbers to support them, and designed the building envelope and core.

James City Police Station (new construction)
A 2-story steel and masonry police station in James City, Virginia.
Worked closely with the Principal-in-Charge to develop preliminary plans from the complex program provided, and helped assemble the final proposal for the project.

DC Evidence Facility (new construction)

A tilt-up evidence storage and administration facility for the DC MPD.

Worked closely with the Principal-in-Charge to develop a schematic design that addressed a number of sensitive and complex project requirements, and helped assemble the final proposal for the project.

Project Architect:

Decoverly Hall 6 (new construction)

A 4-story precast concrete spec. office building in Rockville, Maryland.

Under pressure from the client to submit for permit before the project's approved masterplan expired, and with a team of only two, we took the project from schematic design to 100% documents in 60 days.

Fallsgrove Executive Plaza (new construction)

A 4-story speculative office building—with retail—in Rockville, Maryland.

Was team leader during production of construction documents and was responsible for detailing the building designer's proposed lobby and core schemes as well as much of the MEP and Structural coordination.

Loudoun County Parkway - Building #1 (new construction)

A 5-story, LEED Platinum, spec. office building in Loudoun, Virginia.

Was team leader during schematic design and design development of the project and—working closely with the firm's principal and the project's manager—researched alternatives for the building's highly efficient envelope and designed the building's lobby and much of its core.

Candlewood (adaptive re-use / renovation)

A single-story adaptive re-use flex building in Hanover, Maryland.

Helped produce construction documents for an aggressive adaptive re-use of an existing tire warehouse into three separate flex office buildings, and created numerous renderings and exhibits to illustrate the extent of the renovation to the client and investors.

Hillcrest Buildings #1, #2, and #3 (adaptive re-use / renovation)

A 2-story adaptive re-use spec. office and flex building in Pennsylvania.

Helped develop numerous schemes for the adaptive re-use of an existing warehouse and office space into multiple, smaller, office and flex buildings and participated in the 4-day existing conditions field survey.

Singleton Electric (new construction)

A single-story, with basement, build-to-suit office and warehouse building.

Was responsible for the base-building portion of the construction documents on this small—but very complex—build-to-suit project.

2004 to 2007

A. R. Meyers + Associates Architects

A small architecture firm, based in Silver Spring, Maryland, specializing in Multi-family Residential and Rehab work.

The following projects and tasks are only the highlights of my work at A. R. Meyers + Associates:

Project Manager:

Dove Barrington Condominium (new construction)

A stick-built 3-story, 30-unit condominium on the Eastern Shore.

Designed the preliminary plans and elevations, helped determine a fee and wrote the proposal and contract, participated in numerous client review meetings, and was responsible for nearly all of the design development and contract documents.

Discovery Pediatrics (space planning & renovation)

The renovation and expansion of a pediatrics office.

Inherited a dangerously uncoordinated project and cleaned it up for permit and bid in a matter of two weeks. Was also responsible for limited Construction Administration tasks.

Project Architect:

Portico Condominium (new construction)

A post-tension concrete highrise in downtown Silver Spring.

Helped design the building's garage and amenity spaces, worked on building sections and the stair plans and sections, and developed and drew many interior and exterior details. Also worked closely with the project manager on MEP and Structural coordination and developed and drew architectural slab-edge plans for the entire project.

Aurora Condominium (adaptive re-use)

A high-rise office building rehabilitation in Silver Spring.

Designed the exterior elevations and lobby wood paneling as well as handled most of the MEP coordination of the project and helped with miscellaneous detailing.

Hunting Point Towers (development recommendation report)

A development feasibility report and proposal for VDOT.

Participated in team meetings, researched, developed exhibits for, and wrote most of the development recommendation report with the additional input and oversight of Alan Meyers AIA.

1999 to 2002

Donnally, Lederer, Vujcic Architects

As an assistant project architect and designer, I developed master plans designed by Rick Donnally, and I created presentations of all types.

1996 to 1997

Rounds, VanDuzer, Cowie Architects

Not much more than support staff at Rounds VanDuzer Cowie Architects, I made many trips to construction sites and reprographic companies. I also designed and drew one retail tenant refit, worked some in CAD, and was responsible for general office tasks.

ACCOMPLISHMENTS:

Registered Architect:

I am a registered architect in the State of Maryland and a member of The American Institute of Architects.

LEED Accredited Professional:

I have passed the LEED AP test administered by GBCI and am a LEED Accredited Professional and have worked on a number of LEED projects.

National Society of Collegiate Scholars:

During the Spring semester of 1999 I was awarded lifetime membership in the National Society of Collegiate Scholars: a reward that only one percent of the top one percent of college sophmores receive.

CEACS and National Dean's Lists:

I have been on my College's (College of Engineering, Architecture, and Computer Science) Dean's List a number of times since my enrollment at Howard University. During the Spring semester of 1999, I was elected to the National Dean's List.

EDUCATION:

1997 to 2004 **Howard University**
 Bachelor's Degree of Architecture.

1995 to 1996 **Catholic University of America**

SKILLS:

Management and Leadership:

I am capable of running numerous small projects, at various phases of the design and construction process, simultaneously. I am also a skilled communicator and motivator who is able to keep a team working efficiently, comfortably, and on schedule.

Building and Site Design:

I have a strong handle on designing aesthetically pleasing structures that are—at the same time—simple to detail and construct, and cost-effective.

Communication and Coordination:

I am skilled at communicating complicated ideas quickly and simply, am capable of working in quick-paced team atmospheres, and have a good deal of experience both coordinating drawings with consultants and presenting to clients and planning staff.

CAD, BIM, and Modeling Software:

I am highly proficient with all versions of AutoCAD, have worked in Revit and Sketch-up, and am familiar with FormZ and Renderzone.

Graphic Design and Desktop Publishing:

I have extensive experience with Adobe's InDesign, Photoshop, and Illustrator. I am familiar with most print media terminology and processes, and have designed published material extending from books and magazines to journals and brochures.

Web Design and Management:

I can write in HTML and XML, know some Javascript, can make my way through Php and Java (though not smoothly), have designed sites using Flash, have maintained my own site for some time, and have maintained others sites on a free-lance basis.

Drafting and Presentations:

I am a skilled draftsman/artist in multiple mediums, am able to represent ideas graphically with speed and sophistication, have a strong fine arts background and keen eye for aesthetic design and layout.

Writing and Editing:

I have experience editing material for book, magazine, and brochure publications, have written both marketing material as well as technical reports, and have been writing creatively for many years.

REFERENCES:

Appropriate references will be supplied upon request.

OUTLINE OF TESTIMONY OF REPRESENTATIVE OF APPLICANT

- I. Description of Property
 - A. Background
 - B. Current use
 - C. Context
- II. Proposed Project
- III. Community Outreach
- IV. Conclusion

OUTLINE OF TESTIMONY OF PROJECT ARCHITECT

- I. Description of Property
- II. Overview of Project & Relief
 - a. Zoning parameters and considerations
 - b. Massing
 - c. Design features
- III. Responses to Commission, OP, DDOT and community concerns
- IV. Materials
- V. Areas of Flexibility
- VI. Conclusion

OUTLINE OF TESTIMONY OF TRANSPORTATION ENGINEER

- I. Project Context
- II. Parking
 - Anticipated impacts and demand
 - Proposed mitigation
- III. Loading
 - Anticipated impacts and demand
 - Proposed mitigation