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MS. NICOLE A. WHITE, P.E.
ASSOCIATE

EDUCATION

Bachelor of Science, Civil Engineering
University of Maryland, College Park

PROFESSIONAL ASSOCIATION

Institute of Transportation Engineers

PROFESSIONAL REGISTRATION

Registered Professional Engineer: Maryland

BACKGROUND AND EXPERIENCE SUMMARY

Ms. White has analysis, and design experience in numerous areas within the transportation planning and traffic engineering areas for both public and private sector clients. She has performed a variety of transportation engineering and planning tasks which include traffic forecasting, parking demand analyses, capacity analyses, queuing analyses, simulation analysis, link capacity analyses, and way-finding signage layout. Ms. White also has significant experience in Campus Planning and Transportation and Parking Management Plans. Ms. White has testified before the DC Board of Zoning Adjustment on The George Washington University Campus Plan project. Ms. White has worked on projects located in the following geographic areas: the District of Columbia, Virginia, Maryland, Pennsylvania, Connecticut, New Jersey, Georgia, North Carolina, and California.

REPRESENTATIVE PROJECTS

Traffic Impact Studies and Transportation Planning:

Universities and Institutions

- Served as the project manager for **The George Washington University Foggy Bottom Campus Plan.** This project includes the preparation of a comprehensive transportation and parking assessment for the development program outlined by the University. Part of this assessment includes recognizing the existence of GW in a downtown urban location.

- Currently serving as the project manager for **American University** in Washington, DC. This project consists of the preparation of a comprehensive Transportation and Parking

BZA
Case No. 16673
Exhibit No. 34
Board of Zoning Adjustment
District of Columbia
CASE NO.16673
EXHIBIT NO.34

Assessment in support of the Campus Plan 2000. Major tasks include working with the University's architect to design a new circulation route that enhances the overall operation of the roadway while reducing pedestrian/vehicular conflicts. This project also includes the preparation of a comprehensive Transportation Management Plan.

- Served as the project manager for **Georgetown University** in Washington, DC. This project consisted of the preparation of a comprehensive Transportation and Parking Assessment in conjunction with the Campus Plan 2000.

- Served as a project engineer for the **Goddard Space Flight Center** Master Plan. Primary tasks included developing an employee "Focus Group" representative of campus wide employee views on specific Transportation Management Plan programs.

- Served as Project Manager on several development projects for **The George Washington University**, including the development of a new replacement hospital, a garage expansion project, a state-of-the-art Health and Wellness Center, and a Media and Public Affairs Building. Also served as a project engineer for the National Institutes of Health ongoing campus planning and monitoring program.

Office/Residential Development Served as a project engineer on the **America Online** headquarters development located in Virginia. This project included forecasting and distributing site traffic for a one million square foot office building.

Served as a project engineer for the **Naval Surface Warfare Center** redevelopment project in Annapolis, Maryland. This traffic study involved calculating employee threshold limits based on a critical lane analysis with constraining factors such as narrow two-lane roadways, and intersections with limited mitigation options.

Parking Demand and Feasibility Studies Examined the feasibility of an **automated parking garage** for a site in Northbeach, San Francisco. This project included analyzing several automated parking facilities for the following criteria: absorption rate, discharge rate, combined processing rate, queuing rate and the impact of a specific design on the surrounding street system.

Completed a parking demand study for **uptown Charlotte, North Carolina** to determine the need for additional parking facilities. This study included preparing circles of walking radii to determine the areas of greatest parking demand.

Computer Application and Software Experience:
Ms. White has an extensive background in the following engineering software applications: Highway Capacity Software, TSIS, and Netsim. She is familiar with numerous major commercial software packages such as Lotus SmartSuite , Microsoft Office, AutoCad Release 14.