CHRISTOPHER B. GAY, AICP
Principal / Vice President

EXPERIENCE

Over fifteen years experience in multi-modal travel demand forecasting and transportation system analyses, including traffic operations analysis, capacity and safety analysis, traffic impact analysis, parking analysis, land use and network alternatives development and evaluation, and development of site functional requirements.

Traffic Impact Studies and Transportation Management Plans – Completed over twenty-five traffic impact studies and transportation management plans throughout the Washington DC metropolitan area for a wide range of land use development proposals. A key element of many of the transportation management plans was a parking management plan.

United States Postal Service (USPS) Environmental Assessments - Managed basic ordering contract with USPS that resulted in production of over twenty site impact assessments of alternative and preferred sites for postal facilities throughout the mid-Atlantic region. All assessments included detailed traffic impact analyses.

White Oak Laboratory Environmental Impact Statement (EIS) - Managed BMI's efforts on a comprehensive EIS related to a proposed relocation of over 1,000 Naval personnel to a site in suburban Maryland. A detailed traffic management analysis was conducted that evaluated a full range of transportation and parking demand management measures to address projected deficiencies.

U. S. DOT Consolidation EIS - Project Engineer for traffic impact analysis related to a proposed relocation of over 11,000 US DOT personnel to an air rights site at Union Station in Washington, DC.

VDOT Northern Virginia District Park and Ride Lot Feasibility Study - Project Manager for study that is assessing the adequacy of the Northern Virginia District's park and ride lot facilities to meet existing and future demand.

Maryland State Highway Administration (MDSHA) Travel Forecasting Section Assistance Contract - Conducted over fifteen (15) regional, subarea, corridor and site impact analyses throughout the State. Project activities included travel forecasting, model development, traffic operations analyses, site impact analysis, report preparation and public involvement.

Relevant Research

Project Engineer and Course Instructor for FHWA research project "Site Impact Analysis and Assessment Training Course" - The objective of this study was to update the current course materials to reflect state-of-the-art site traffic impact analysis and evaluation procedures. An

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Exhibit No. 92

Board of Zoning Adjustment
District of Columbia
CASE NO.16836
EXHIBIT NO.92
BMI

enhanced five phase process was developed that comprehensively dealt with site access analysis, evaluation, and assessment. Participants' workbook, instructor's guide, visual aids, and accompanying software package were updated to apply the enhanced process.

Project Engineer on FHWA research project "Providing New Access to Transportation Systems"- The objective of this study was to update the 1982 *Access Management for Streets and Highways* handbook to include recent research findings and address multi-modal, ITS, TSM, TDM, pedestrian and bicycle access design requirements. A unique process for access management plan development was presented along with detailed evaluation procedures for a wide range of access-related impacts.

EDUCATION

M.E., Civil Engineering, University of Virginia, 1987
B.A., American Government, University of Virginia, 1978

AFFILIATIONS

Member, American Institute of Certified Planners
Member, Institute of Transportation Engineers
Member, American Planning Association

PUBLICATIONS

"Northern Virginia Park and Ride Lot Feasibility Study", presented at Spring Technical Meeting of the Virginia Section of the Institute of Transportation Engineers, April 2002.

"Combining Traffic Simulation and Demand Modeling for Transportation Planning", paper prepared for presentation at the Southern District ITE Annual Meeting in Williamsburg, VA, April 2001.

"MIS Evaluation Frameworks - A Comparative Analysis," paper prepared for presentation at the Sixth Transportation Planning Methods Applications Conference, Dearborn, MI, May, 1997.

"Long Range Transportation Plan Development in an Emerging Growth Area," paper prepared for presentation at the Fifth Transportation Planning Methods Applications Conference, Seattle, Washington, April 1995.

"Site Impact Analysis and Assessment," co-author of training course materials for FHWA National Highway Institute training course, April 1995.

"The Highway Economics Requirements System, Version 1.4, Technical Report," Co-Author, prepared for FHWA Office of Policy Development, Highway Needs and Investment Branch, 1993.

"Guidelines for Providing Access to Transportation Systems," Co-Author, handbook prepared for the FHWA, January 1993.

"Land Use Projections - How Accurate Have They Been/Areas for Improvement - The Baltimore Experience," Co-Author, paper prepared for presentation at the 1992 ITE Annual Meeting.

"Projecting Land Use-Transportation Relationships in the Baltimore Region," Co-Author, white paper prepared for the Baltimore Regional Council of Governments, March 1991.

"Updating the Transportation Plans in Virginia's Small Urban Areas," Principal Investigator, Final Report, prepared for the Virginia Department of Transportation, Report FHWA/VA-87/35, Virginia Transportation Research Council, 1987.