



PROJECT ASSIGNMENT: PROJECT PLANNER

EDUCATION:

B.S./1986/Electrical Engineering

REGISTRATION:

Registered Professional Engineer

EXPERIENCE:

Mr. Green has over 18 years of experience working in the traffic engineering and transportation planning field. His areas of expertise include: traffic impact studies, traffic safety studies, traffic signal design and warrant studies, travel forecasting, capacity analyses, signing, marking, origin – destination studies, parking access and circulation studies, and highway lighting evaluation design.

- **Brentwood Road Transportation Study (DDOT).** Project Planner for this task. Conducted traffic warrant studies for Brentwood Road at Bryant St.
- **15th Street Traffic Calming Study (DDOT).** Project Planner for this task. Conducted traffic warrant studies for 6 intersections along 15th Street.
- **Streetlight Policy Guide for Washington DC (DDOT).** Lead Engineer for lighting recommendations for development of a strategic plan for streetlight implementation in the Nation's Capital. It included the type of poles, fixtures, lamps and levels of illumination to be used in various parts of the City depending on the functional classification of roadway, type of neighborhood and historic significance.
- **Traffic Impact Study Reviews – Statewide, MD.** Based on Maryland State Highway Administration's (MSHA) familiarity with DCI staff and significant relevant experience of our staff, DCI was selected by the MSHA to be the first on-call consultant to review all traffic impact studies prepared in the State of Maryland. Mr. Green has personally reviewed over 100 traffic studies within the 23 counties of Maryland and has drafted letters of technical response, while representing the State, to the local governmental agencies who control the approval of developmental submittals.
- **Manassas Railroad Alignment Feasibility Study – Manassas, VA.** Assessed the impacts at various at-grade railroad crossings in Manassas, VA. Using NETSIM Long-Term and Short-Term event simulations, Mr. Green determined the traffic implications of various roadway closings for train crossings. For each roadway closing term, the length of time for the roadway network to return to normal operations was determined.
- **I-83 / Maryland Avenue Interchange – Baltimore, Maryland.** Using the CORSIM software, an analysis of freeway and intersection operations was conducted for various interchange design alternatives for the City of Baltimore. As part of the final report, a cost-benefit analysis was conducted that weighed a reduction in traffic delays with the costs of construction.

- **U.S. Route 50 / Columbia Park Road – Cheverly, Maryland.** A traffic analysis was conducted for various interchange design alternatives using the NETSIM and TRANZYT 7F software programs. Due to the proximity of intersections in the interchange vicinity, a transportation system analysis was necessary to ensure that an adequate interchange design could be developed to service future projections.
- **The Pentagon – Arlington, VA.** As part of an on-call assignment with the Military Traffic Management Command, a traffic engineering study was prepared that included traffic engineering and transportation planning, traffic signal designs, signing plans, and pavement marking plans. Mr. Green was responsible for the following specific elements of the study: intersection / interchange operations and capacity analyses, pedestrian routing and safety plans, geometric design modifications, an assessment of high accident locations and remedies to improve safety, and traffic signal warrant studies.
- **US Air Arena, Landover, Maryland.** Prepared access and circulation studies for the future road network changes in the vicinity of the US Air Arena. The study included capacity analyses, pavement marking plans, and signing plans. In addition, prepared a station feasibility study for a potential light rail or heavy rail station at the US Air Arena.
- **MD Route 100, Howard County, Maryland.** Prepared highway and sign lighting plans along MD 100 from U.S. Route 29 to I-95. Assisted in the preparation of the highway signing plans.
- **Maryland National Road Scenic Highway Corridor Partnership Plan from Baltimore City to Pennsylvania Line.** Project Planner for the safety studies of small towns, way finding plans, overlook site evaluations, pedestrian studies, safety engineering, accident studies for 165 mile roadway.
- **Traffic Evaluation of the South Van Dorn Street Data, Fairfax County, VA.** Prepared a report for the Corps of Engineers that assessed a traffic forecasted model for the proposed extension of South Van Dorn Street. Intersection capacity analyses and the design of intersection improvements were included as part of the study.
- **VA Route 7/U.S. Route 15 Bypass Traffic Engineering Design Services, Loudoun County, VA.** A study to assess the operations of various alternative designs is currently underway. The use of the NETSIM an/or FREESIM software will be used to determine assess operational characteristics of each alternative simulation study.
- **Parole Area Growth Management Study, Parole, MD.** Prepared a transportation needs study for the Anne Arundel County Department of Public Works. Four access alternative concepts were analyzed to assess the traffic and environmental impacts for Year 2010 traffic projections. In addition, other Transportation Demand Management strategies that included an assessment of alternative work schedules were examined.
- **Nationwide Traffic Engineering Studies, US Corps of Engineers, Norfolk, VA.** Prepared traffic engineering studies for military bases throughout the USA. The studies included: transportation planning, traffic forecasting, traffic signal warrant studies, traffic signal designs, the development of neighborhood traffic management plans, traffic circulation studies, accident studies, safety studies, speed studies, signing plans, pavement marking plans, and pedestrian routing plans.