

## **RESUME OF GARY A. NORRIS, P.E., P.T.O.E**

### **Senior Transportation Engineer**

Gary A. Norris is a senior engineer with 35 years of experience in traffic engineering and transportation planning as a consulting engineer, a traffic engineer and a transportation planner for local governments and private clients. Mr. Norris has developed traffic management plans and other traffic engineering designs for large public works projects. As a private consultant, he has conducted in excess of 1,000 traffic impact analyses. He also served as the City of Renton, Washington Traffic Engineer for ten years and was responsible for the planning, design, construction, operation, and maintenance of City transportation facilities including 5000 luminaries and 100 traffic signals. Mr. Norris managed the City's \$10 million Capital Improvement Program and the \$1.2 million transportation department budget.

#### **EDUCATION**

University of Washington, M.S., Civil Engineering, Transportation Planning, 1977

University of Washington, B.S., Civil Engineering, Traffic Engineering, 1973

#### **PROFESSIONAL REGISTRATIONS AND LICENSES**

Professional Traffic Operations Engineer, US, 2004

Professional Engineer, WA, 1980

Professional Engineer, OR, 1998

Professional Engineer, ID, 2003

Professional Engineer, MD, 2010

#### **CURRENT EXPERIENCE**

##### **Senior Transportation Engineer, Valerie J. Southern - Transportation Consultant, LLC**

Engineering consultant specializing in transportation engineering and systems planning (all modes) for governments and larger engineering firms. Recent assignments include independent engineering assessment for the Department of Defense and best practices analysis and research for the Transportation Research Board.

#### **PAST EXPERIENCE**

**City of Ellensburg - 20 Year Transportation Plan/Study; Ellensburg, WA.** Senior Transportation Engineer for the development of a city long range transportation plan consistent with State Growth Management Act (GMA) objectives. Work involved gathering of traffic count data at all arterial/arterial intersections; collecting all arterial and intersection accident data and evaluating safety on the arterial network. Work also involved conducting a roadway inventory to evaluate current pavement status, traffic control, and parking. Work also involved development of a traffic forecasting model to project 20 year traffic growth; evaluating existing and future LOS at all arterial/arterial intersections; formulation of a capital facilities plan to address system capacity and safety deficiencies and future needs. Work also involved preparation of detailed cost estimates; development of a traffic impact fee program to address the funding need; and the development of a traffic impact fee ordinance.

**Meridian Avenue East/SR 161 Corridor Analysis; Edgewood, WA.** Project Manager for development of a context-sensitive design that met the traffic and transportation needs of the City of Edgewood and related stakeholders. The scope involved development of alternative methods to widening SR 161 to achieve the Washington State DOT goals of safety and mobility. Worked with the City, WSDOT, neighboring cities, businesses, land owners, public safety providers and other community interests. Developed a corridor traffic model, conducted LOS analysis at nine intersections, developed Transportation Systems Management (TSM) improvement alternatives, and prepared cost estimates.

**Cle Elum Transportation Plan Update; Cle Elum WA.** Senior Transportation Engineer in the preparation of an update to the City's Comprehensive Transportation Plan consistent with the State GMA. This work included documentation of existing facilities and operating conditions; traffic counts for average weekdays and PM turning movement counts at 11 intersections; level of service analysis for each of the analysis intersection for the existing and three alternative network development concepts based on the 20 year traffic volume forecasts. The work also included coordination with a Steering Committee composed of local business, community service, and residential communities as well as local and regional transportation system providers.

**S. Holgate Street Railway Crossing Closure Traffic Impact Analysis; Seattle, WA.** As Project Manager responded to the Washington State DOT Rail Office's need for a traffic impact analysis to evaluate the potential closure of the Holgate Street Railway Crossing in the City of Seattle. Gathered and evaluated roadway data to document conditions on the existing roadway that included roadway information, average daily traffic volumes, turning movement traffic volumes, pedestrian/bicycle traffic, accident data, 20-year growth scenario, planned and programmed improvements, travel time analysis, traffic simulation modeling, grade crossing safety analysis, truck access analysis, transit and non-motorized transport, and emergency response.

**University Place Town Center Environment Impact Statement (EIS); City of University Place, WA.** As Project Manager responsible for the development of the transportation element of the EIS for the University Place Town Center Project. This included evaluation of three alternative land use concepts. Also calculated trip generation using ITE trip generation rates for AM, PM and weekend peak hours; distributed traffic to the adjacent street network based on regional traffic forecasting model assignments through 15 intersections; calculated AM, PM and weekend peak hour level of service using Synchro 6 at the 15 analysis intersections; and determined necessary mitigation measures to provide an acceptable level of service.

**Seattle Intermodal Transportation Terminal; Seattle, WA.** As Project Manager responsible for traffic related analysis for updating the Seattle Intermodal Transit Terminal EIS. The analysis included trip generation and traffic assignment for the revised transit, automobile, pedestrian and bicycle trips resulting from the proposed terminal. Conducted level of service analysis for existing conditions and future conditions with and without the project at critical intersections (30) within the study area.

## **PUBLICATIONS**

- Work Zone Traffic Control: The Next Generation, ITE District 6 Annual Meeting Compendium of Papers, 2003.
- Sub Area Transportation Planning: A Case Study of Bellevue Washington, Traffic Quarterly, ENO Foundation, 1978

## **AFFILIATIONS**

- Fellow, Institute of Transportation Engineers
- Member, Transportation Safety Committee, ITE
- Co-Chairman, Washington State Section ITE Safety Committee
- Past President, Washington State Section, ITE
- Washington State Chapter, APWA