

Susan L. Poe, P.E.

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PROFESSIONAL EXPERIENCE

Illinois Department of Transportation, District 9, Carbondale, Illinois

May 1998 - Present

Geometrics Engineer

June 2000 - Present

Responsible for managing the District's Geometrics Section and the development of intersection and interchange designs and construction plans which are cost-effective and often unique and conform to state policy. Perform traffic studies and capacity analyses for use in the development of geometric configurations with minimal adverse social and environmental impact. Review district high accident locations and recommend appropriate accident countermeasures for inclusion into the annual program. Maintain an up to date knowledge of innovative intersection/interchange types and capacity software along with a network of peers to exchange ideas and lessons learned. Provide advice and guidance to consultants, county, and municipal engineers during preparation of geometric designs prior to reviewing and approving designs. Review and grant approval of private and/or commercial development plans to ensure acceptable levels of operation and safety potential are maintained on the state system.

Studies and Plans Design Engineer

May 1998 – June 2000

Prepare design/environmental reports to determine the scope, location, design, cost and environmental impacts of assigned improvements and prepare detailed construction plans and specifications for these projects. Identify and evaluate various alternatives and recommend solutions to supervisors. Determine alignments, grade lines, drainage requirements, pavement design and special details required for complete designs. Prepare project specific general notes, special provisions, cost estimates and estimates of time. Perform calculations and check the work of others for accuracy and completeness. Utilize MicroStation CADD software and Geopak engineering software for design and plan preparation.

Missouri Department of Transportation, District 10, Sikeston, Missouri **January 1995 – May 1998**

Highway Designer (Rotation)

Assist survey crew in conducting ground surveys designed to establish baselines, elevations, stream bed profiles, and other topographical features for use in plan design. Assist Local Road Liaison by reviewing local and city submittals for project funding and project plans. Attend various field checks and planning meetings with local officials. Assist designers in plan preparation and using CADD in design squads.

Notable Projects:

Designer I-55 and Route HH Interchange Sikeston, MO
Project Engineer I-57/I-64 and Veterans Parkway Interchange Mt. Vernon, IL
Project Engineer I-57 and IL 13 Single Point Interchange Marion, IL
Project Engineer IL 13/IL 154 Roundabout Pinckneyville, IL
Project Engineer IL 13 and Norman Road Restricted Crossing U Turn Intersection (RCUT) Marion, IL
Evaluated and Approved Capacity/Layout of I-57 and Morgan Avenue Diverging Diamond Interchange Marion, IL

Education:

Southern Illinois University, Carbondale, Illinois
Bachelor of Science in Civil Engineering, December 1994

Professional Registration:

State of Illinois Professional Engineer

Honors:

IDOT District 9 Engineer of the Year, 2006