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Summary of Qualifications

- Over 19 years of experience in transportation and civil engineering.
- Licensed Professional Engineer in Illinois and Missouri.
- Licensed Professional Transportation Operations Engineer (PTOE).
- Bachelor's Degree in Civil Engineering from Missouri University of Science and Technology.
- Master's Degree in Civil Engineering with an emphasis in Transportation Engineering from Southern Illinois University Edwardsville.

SURFACE DEPLOYMENT AND DISTRIBUTION COMMAND

June 2016 - Present

TRANSPORTATION ENGINEERING AGENCY

1 Soldier Way ▪ Scott AFB, IL 62225

Senior Traffic Engineer

- Acts as the primary advisor and assistant to the Transportation Systems Branch Chief in program development and accomplishment in matters related to traffic engineering and access road studies for military installations throughout the world.
- Actively manages projects performed by contractors including performing thorough reviews, coordinating peer reviews, documenting status and cost in the tracking tool, and posting draft and final documents.
- Conducts independent traffic engineering studies and analyses using current policies and engineering methodologies.
- Functions as the Department of Defense (DoD) engineering authority on traffic engineering and related infrastructure matters. Makes traffic recommendations to installations and other Defense organizations.
- Performs various traffic and transportation studies such as intersection traffic analysis, entry control facility studies, sign management studies, and pedestrian/bike trail planning studies for installations within the United States and Europe.

KASKASKIA ENGINEERING GROUP, LLC

January 2009 – June 2016

208 E. Main Street – Suite 100 ▪ Belleville, IL 62220

Transportation Team Leader

- Served as the exclusive program manager for major, high-profile projects for major clients. Provided engineering expertise and analyses for the Illinois Department of Transportation for the development of the state-wide *Illinois State Transportation Plan* which includes the vision of transportation for all modes to provide travel options that are user focused, economically supportive, and ecologically sensitive.
- Combined engineering knowledge and software tools, including geographic information system (GIS), to evaluate existing transportation facilities, identify problem areas, develop possible solutions, and make recommendations for solutions to ensure a safe and efficient transportation system throughout the future design year.
- Served as the company's leading technical engineer for railroad design and program management. Served as Lead Coordinator for Grade Crossings for the Program Management Team for the Chicago-St. Louis High Speed Rail project.
- Prepared transportation analyses for prominent, confidential developments which significantly impacted the existing transportation system. Prepared traffic analyses for multiple scenarios using transportation modeling software, including the preparation of 3D modeling simulations, to visually show the impacts of the transportation scenarios and the proposed recommended improvements to mitigate the traffic impacts and provide multi-modal transportation connectivity.

WASHINGTON COUNTY

1243 W. Adams ▪ Nashville, IL 62263

County Engineer

- Managed the County highway and bridge system for day-to-day operations and long-term improvement projects. Prepared cost estimates for projects and utilized this information for the development of the various operational budgets and programming for the Department.
- Served as the Bridge Program Manager for 159 County and Township bridges which included performing routine, special, and emergency bridge inspections, documentation of the bridge inspections, and reporting of the inspections to the Illinois Department of Transportation.
- Reviewed construction plans, specifications, and contract documents for compliance with design standards and constructability for various civil engineering and transportation projects.
- Facilitated monthly Road & Bridge Committee meetings. Presented updates for the monthly operation of the County Highway Department to the Washington County Board, public, and media.
- Served on the County 9-1-1 Committee, the County Safety Committee, and various sub-committees of the Illinois Association of County Engineers.

October 2006 – December 2008**THOUVENOT, WADE & MOERCHEN, INC.**

4940 Old Collinsville Road ▪ Swansea, IL 62226

Transportation Project Manager

- Prepared site improvement plans for residential, commercial, and mixed-use developments which included drainage and stormwater detention design, sanitary sewer design, waterline layout and permitting, site layout and grading, roadway profiles, intersection warping details, and construction details as well as preparation of construction cost estimates and specifications.
- Identified the need to perform traffic analyses and reports in-house. Worked independently to research the requirements, develop the analyses procedures, and document the process for training. Performed traffic engineering analyses utilizing Highway Capacity Software (HCS) and Trafficware's Synchro/SimTraffic for unsignalized, signalized, and roundabout intersections. Project sized ranged from a single intersection to complex transportation networks consisting of over 50 nodes.
- Actively managed 20 transportation contracts per month with an average construction fee of \$20,000,000. Developed project scopes, fee estimates, and contract documents and reviewed and approved monthly invoices for work completed for each contract.
- Prepared technical reports summarizing engineering analyses, life-cycle costs, and recommended improvements to meet policy objectives.

October 2002 – September 2006**HORNER & SHIFRIN, INC.**401 S. 18th Street – Suite 400 ▪ St. Louis, MO 63103**Transportation Project Engineer**

- Performed civil and transportation engineering analyses for private and public improvement projects for the preparation of engineering project reports and construction plans for private developers, local governmental agencies, and the Missouri Department of Transportation. Projects included new roadways and rehabilitations as well as bridge and culvert drainage analysis and hydraulic reports.

October 1999 – September 2002**SITE DEVELOPMENT ENGINEERING, INC.**

3808 S. Lindbergh Blvd. – Suite 106 ▪ St. Louis, MO 63127

Civil Engineer

- Responsible for the design and development of site engineering and roadway plans for commercial and residential developments including site layout and grading, sanitary sewer design, storm sewer design, stormwater detention design, roadway profile and cross section design, and waterline design utilizing engineering design software.
- Performed topographic and boundary surveys, reduced survey data, and prepared drawings.

December 1997 – October 1999