Karen J. Wonders, P.E.

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Professional highlights

* Disaster reconstruction of housing and public infrastructure experience including monitoring and evaluating performance of funded partners and contractors
* Strong managerial skills developed in both public and private employment positions with emphasis in program management and land development; including extensive engineering plan review experience
* Strive to provide and maintain exceptional customer service relationship with clients, government agents, coworkers, consultants, contractors, vendors and the public
* Excellent and effective written and verbal communication skills; experienced in public speaking
* Works well as a team player in a multi-cultural environment and effectively communicates project information, issues and updates to entire team and superiors
* Possesses a proficient working knowledge of MS Office software including Word, Excel, Project and Outlook as well as multiple engineering design software programs

PROFESSIONAL EMPLOYMENT HISTORY

***Senior Project Manager,* JASARA, *Riyadh, KSA*** *Jan 2019 to Oct 2019*

* Responsible for oversight and deliverables of the 21M SAR wadi bridge construction with the King Abdullah Financial District (KAFD) in Riyadh, Saudi Arabia
* Conducted site visits, material specification and design reviews and attended weekly status meetings including safety briefs for the bridge project
* Design liaison for all aspects of the way-finding design package of the KAFD (King Abdullah Financial District) in Riyadh, which cover roads and pedestrian signage in regard to smart city applications. Assisted in preparation of the RFP for the wayfinding and signage consultant to design and manage the community experience throughout the KAFD
* Assistant manager for all coordination of skywalk construction
* Participated in proposal review teams for commercial and technical submittals
* Prepared smart city solution options for the different operational functions of the KAFD based on individual interviews with each department and compiling a list of consultants for a feasibility study
* Provided support for area managers on an as needed basis such as stacking diagrams, project related research and presentations

***Senior Program Engineer,* USAID – Regional Pacific Islands Office, *Pohnpei, FSM*** *Nov 2015 to Dec 2017*

* Responsible for monitoring and oversight of the disaster reconstruction of housing and public infrastructure and the engineering components of the $48M Typhoon Maysak Reconstruction Program (TMRP) as performed by the USAID implementing partner IOM (International Organization for Migration)
* Inspected project sites in the FSM States of Chuuk and Yap to ensure conformance to design specifications and safety and environmental standards
* Analyzed engineering designs, drawings, specifications, reports, and construction schemes and provided professional recommendations to guide the reconstruction program
* Reviewed and advised in the development of detailed engineering designs, plans and cost estimates for the housing replacement and repair, public infrastructure reconstruction and public utility assistance
* Monitored the adequacy and acceptability of the delivery of various goods and services provided under reconstruction activities, including construction, materials, equipment installation and training activities through field inspections, review of partner reports and attending meetings with project personnel and implementing partner representatives
* Served at the Federal GS 14 level and additional roles as Agreement Officer Representative (AOR) and alternate AOR

***Contracting Officer Representative,* Program Management Unit,** *2012 to 2015*

**Federated States of Micronesia National Government, *Palikir, Pohnpei, FSM***

* Responsible for program management of health and education sector infrastructure projects funded under the US Compact with the Federated States of Micronesia
* Developed scope of services and prepared bidding documents for engineering study, final design and construction projects
* Negotiated contracts with consultants and contractors
* Monitored, directed and managed activities of engineering consultants and construction contractors
* Reviewed, coordinated and approved consultant design and analysis reports, contractor submittals, final construction documents and payment invoicing
* Extensive experience and exposure working in austere outer island sites of the FSM. Work in these environments consisted of condition assessments resulting in recommendations for reconstruction and rehabilitation of health and education infrastructure
* Conducted first response disaster engineering services and preliminary damage assessments for public infrastructure damaged or destroyed due to Super Typhoon Maysak in 2015. Prepared the accompanying damage reports and limited scope assessments of school damages to determine minimum requirements necessary to enable commencement of school year activities. Assisted in coordination of reconstruction effort
* Served an interim role as Acting Contracting Officer

***QC Inspector,* Alpha Geotech, *Tempe, AZ (contract position with L-3 Communications)*** *2010*

* Responsible for quality control functions for the SBInet Program tower site construction – Ajo sector
* Established and maintained excellent working relationships with both Boeing and Federal government inspectors
* Assisted in upkeep of project documents under established company protocol
* Provided daily inspection reporting to supervisor and document control
* Obtained **DHS Security clearance** (public trust)
* Monitored the construction of communication tower sites for all quality control and supplier performance requirements, including auditing of supplier inventory
* Tasked with assuring proper construction sequencing was performed and appropriate sign-offs from Boeing Quality Assurance and Federal government entities were obtained
* Prepared daily reports and any necessary non-conformance reports for upper management to document status, issues and scheduling
* Attended quality control meetings
* Coordinated with the project site manager to provide a complete quality product to Boeing

***City Engineer,* City of Maricopa, *Maricopa, AZ*** *2005-2009*

* Managed and supervised the Engineering Division of the Development Services Department, comprised of a staff of five to seven individuals including engineering plan reviewers and construction inspectors
* Prepared fiscal budgets and maintained projects within approved budget
* Evaluated bid proposals and selected contractors and vendors for negotiation and award of bids
* Responsible for creation and evaluation of engineering standards and guidelines for land development design and construction
* Successfully presented budget and project approval requests to supervisors, directors and City Council
* Updated City Engineering Design Standards Manual to reflect newest land development industry standards, design requirements, construction methods and policy changes
* Coordinated with FEMA officials to guarantee City qualified as a participant in the National Flood Insurance Program and FEMA’s records accurately reflected the City’s flood risk
* Oversaw multi-jurisdictional coordination of public works projects as well as actively participated in various collaborative efforts with neighboring municipalities
* Enforced City engineering standards, codes and practices to safeguard the general public
* Designated representative for the City to conduct televised City Council meetings for purposes of presenting and obtaining approval for public projects

***Senior Engineer,* Willdan, *Phoenix, AZ*** *2004-2005*

* Managed and mentored the Engineering Plan Review Division responsible for conducting municipal services, comprised of four staff members
* Served as liaison between reviewers and municipal agencies for project plan reviews
* Monitored staff production output for quality and completeness prior to submittal to clients
* Assigned and coordinated tasks for individual staff members and teams
* Evaluated staff qualifications, accomplishments and policy compliance for annual performance reviews

***Project Manager****,* **Landform*, Phoenix, AZ*** *2003-2004*

* Prepared successful bid proposals for residential and commercial engineering design and survey projects; including custom home site designs
* Managed design teams to complete all projects on time and within budget and secure necessary agency approvals to the satisfaction of the clients
* Provided mentoring and guidance to staff and project teams

***Project Manager,* Site Design Group, Inc., *Tempe, AZ*** *2002-2003*

# Coordinated and managed all design consultants for the 30,000 square foot Palm Springs Skate Park and Swim Center project, including: civil, architectural, mechanical, electrical, structural and lighting. Palm Springs Skate Park is one of the top-rated parks in Southern California

* Conducted all team meetings as well as presented project updates to City Council, Planning Commission and Architectural Review sessions
* Supervised and reviewed preparation of construction documents, specifications and details of the skate park design, landscape and hardscape sections of the project

***Project Engineer,*** AESE*, Tempe, AZ 2001-2002*

***Project Manager,*** B & R Engineering, Inc*., Sun Lakes, AZ 1997-1999*

***Project Engineer,*** Michael Baker Jr., Inc., *Phoenix, AZ* *1990-1997*

***Civil Engineer III,*** Philadelphia Water Department, *Philadelphia, PA* *1986-1990*

EDUCATION

***BS Civil Engineering,*** Pennsylvania State University*1982-1986*

LICENSES

***Registered Professional Engineer* -** State of Arizona #25021 *1991*