



DOAA ABOUL-HOSN, PE

RESIDENT ENGINEER

Doaa Aboul-Hosn has been involved in construction administration and management of large public works projects including roadways, bridges, reinforced concrete structures, large earthwork projects, tunnels, shafts and pipelines since 1990. Prior to joining Structural Grace, Inc., Doaa was with the Metropolitan Water District of Southern California (MWD) for 13 years. Doaa was the first female Resident Engineer for MWD, an organization founded in 1927, and managed several complex projects while with the entity, including a challenging hard rock tunnel and shaft project. Doaa is a certified bridge inspector and open/underwater inspector. Doaa has served as Resident Engineer, Assistant Resident Engineer, Office Engineer and Inspector on various projects throughout her career.

EDUCATION

Bachelor of Science – Civil Engineering,
California State University, Los Angeles, CA

PROFESSIONAL ENGINEERING REGISTRATIONS

- Arizona – 56379
- California – 41841

CERTIFICATIONS / TRAINING

- FHWA – Safety Inspection of In-Service Bridges
- ACI Certification
- ATTI Certification
- ATSSA Traffic Control Supervisor

- **Resident Engineer, Station Finishes Contract, Valley Metro Rail, Phoenix, Arizona.** Resident Engineer on for the \$63 million Station Finishes Contract responsible for overall construction administration and inspection for thirty three train stations, four transit centers, and three operator facilities. The stations include numerous architectural and art elements. The project includes civil, structural, architectural, electrical and plumbing contract work. Other duties include; schedule monitoring; submittal and RFI review; monthly progress pay estimates; issuing and resolving change orders; utility and interfacing contract coordination; electrical start-up; as-builts; and city required special structural and geo-technical inspections.
- **Office Engineer, Town Lake Bridge, Valley Metro Rail, Phoenix, Arizona.** Providing on-site construction management support for a 1500 ft. 11 span steel truss Light Rail Bridge with drilled shafts and cast in place reinforced concrete piers. Responsibilities included issuing and negotiating change orders, submittal and RFI review, review of contractor progress payment applications and CPM Schedule reviews using Primavera Project Planner. Coordination duties included contact with City, County, State and Federal representatives as well as project design engineers, steel truss fabricator, and environmental representatives.
- **Senior Contract Administrator, Contract Administration, Valley Metro Rail, Phoenix, Arizona.** Provided contract administration services for Valley Metro Rail including duties related to procurement; prepared bid documents; prepared contract addendums; conducted contract bid opening meetings and pre-award bid reviews, and helped to develop change order and pre-bid procedures.
- **Office Engineer, 48th Street Bridge, Valley Metro Rail, Phoenix, Arizona.** Provided on-site construction management support for a bridge demolition and replacement contract. Scope of work included demolition of an existing bridge, construction of a new pre-stressed pre-cast girder reinforced concrete bridge with drilled shafts, installation of electrical, sewer and water lines for a future Maintenance and Storage Facility and the construction of roadway on either side of the bridge. Responsibilities include issuing and negotiating change orders, review of contractor pay application, review of contractor schedules using Primavera Project Planner, coordination with federal, state, county and city representatives, working with design engineers to resolve design conflicts, and inspection of contractor's work.
- **Resident Engineer, US93 Wickenburg Way North Mill and Replace with AC and AR-ACFC, Kingman to Wickenburg Highway, Wickenburg, Arizona.** Resident Engineer managing the construction administration for this pavement preservation and bridge repair project. Primarily responsible for working with the Contractor to ensure that the contract was being executed in compliance with ADOT Standard Specifications, Special Provisions and Drawings and with ADOT established tracking procedures. Duties included assuring adequate inspection of on-site work and batch plant, implementing corrective measures for out of spec work, review and approval of submittals, and requests for information, reviewing traffic control plans and insuring that traffic control and on-site safety procedures are followed, coordinating material testing, sample delivery, conducting pre-construction meeting and weekly meeting, tracking quantities and processing construction payments, processing supplemental agreements.