



DAVID DAVIDSON

SENIOR INSPECTOR

Dave Davidson has been involved in construction and construction inspection for complex public works and private projects including roads and bridges, industrial parks, water treatment facilities, power plants, dams, tunnels and shafts, large hydraulic structures, missile sites, hospitals and schools since 1972. Dave is proficient at performing various types of inspections, including signals and lighting and landscaping and irrigations.

- **Construction Inspector, MCDOT, Chandler Heights Bridge at Sonoqui Wash, Queen Creek, Arizona.** Inspection duties for this three-span, cast-in-place and post tensioned box girder bridge included earthwork, asphalt paving, roadway and utility relocation, reinforced concrete and coordination with local residents and Town of Queen Creek officials. The project is a five-lane bridge over Sonoqui Wash and is being constructed in conjunction with the Flood Control District of Maricopa County and Sonoqui Wash Channelization effort.
- **Lead Field Inspector, US93 Wickenburg Way North Mill and Replace with AC and AR-ACFC, Kingman to Wickenburg Highway, ADOT, Wickenburg, Arizona.** Lead Field Inspector for this pavement perseveration and bridge repair project. Primarily responsibilities included verifying traffic contract, performed AC paving and milling inspections and coordinated material testing, sampling and verification coring.
- **Construction Inspector, Phoenix to Globe US60, Miami City Limits to McMillen Wash, ADOT, Miami, Arizona.** Lead Field Inspector for this pavement perseveration and drainage, sewer and water improvements project. Primary responsibilities included inspecting roadway milling and paving and sewer line construction.
- **Chief Construction Inspector, Tempe Town Lake Bridge, Valley Metro Rail, Tempe, Arizona.** Responsibilities included supervision of three inspectors, inspection of structural steel truss bridge, concrete deck and cast-in-place retaining walls, drilled shafts, compacted backfill, roadway and asphalt pavement; coordination of surveys and material testing, review of surveys and material testing results, preparation of daily reports, as-builts, and verifying quantities for pay apps.
- **Chief Construction Inspector, Light Rail Stations, Valley Metro Rail, Phoenix/Tempe/Mesa, Arizona.** Responsibilities included supervising all inspections for thirty three train stations; four transit centers; and three operator facilities. The stations include numerous architectural and art elements. Inspection duties for this \$63 million project include civil, structural, architectural, electrical and plumbing. Other duties included tracking quantities for progress pay estimates; utilizing a web based construction management system for daily inspection reports; extensive utility and interfacing contract coordination. Coordination with various city departments. Resolution of problems arising from design conflicts, unforeseen site conditions and construction errors. Digital photo documentation for daily, weekly and monthly recording.
- **Construction Inspector, Maintenance and Storage Facility, Valley Metro Rail, Phoenix, Arizona.** Inspector for the Maintenance and Storage Facility providing structural, civil, mechanical and electrical inspections as well as special IBC structural and geotechnical inspections. Also provided inspections on fill materials for site preparation, grading and drainage, drain channel and swales, culverts and underground drainage pipes, roadways, parking lots, landscaping, fencing, water mains for fire protection and domestic services, utility services, electrical ductbanks, OCS pole foundations and systems ductbanks.
- **Construction Inspector, 48th Street Bridge Replacement Segment, Valley Metro Rail, Phoenix, Arizona.** Provided detailed inspections for the 48th Street Bridge Replacement segment of the Valley Metro Light Rail Project. Responsibilities during this \$2.1-million project included daily inspections of reinforced concrete, asphaltic concrete paving, and landscaping, preparation of daily reports, confirming contractor's work was in compliance with the contract documents, and verifying quantities for pay applications.

CERTIFICATIONS / TRAINING

- ACI Concrete Field Testing Tech
- Arizona Technical Institute (ATI) Certification
- Highway Plan Reading
- Pay Item/Diary Documentation
- PEN Based Systems
- Highway Plans Reading
- Asphalt Field Sampling/Testing
- Dust Control Certification – Maricopa County
- ATSSA Traffic Control Technician