



## JIM WAHLUND

### CONSTRUCTION SURVEY MANAGER

Jim Wahlund serves as the Construction Surveying Manager and consistently provides quality construction surveying services for complex transportation projects. Jim has worked in the construction surveying industry in 1985. Since joining Structural Grace in 2001, Jim has served as the Chief Construction Surveyor responsible for vertical and horizontal control of urban and rural structures throughout Arizona including the Terminal Four Bridges for the Sky Harbor Airport, I-17/Loop 101 Interchange, I-10/US 60 Interchange, and I-10 and I-17 Stack Interchange. Jim's responsibilities include surveying operations for the layout of transportation structures, roadways, piping, retaining walls, utilities, preliminary calculations, scheduling, project management and coordination with contractor and sub-contractors. Jim is proficient in the use of both Trimble Robotics and NavCom GPS Systems.

#### EDUCATION

General Studies – University of Oklahoma, Norman, OK

#### CERTIFICATIONS

- NICET Level III Certification – Highway Surveys

- ***I-10 Loop 202 Santan Interchange, Chandler, Arizona.*** Chief construction staking manager responsible for surveying operations of two mile reconstruction of I-10 including 3-tier interchange over I-10, traffic interchange at Chandler Boulevard, 1-mile of new alignment of SR 202, pump station, one million cubic yards of earthwork, pipe, and PCCP paving.
- ***Red Mountain Freeway (SR 202L), 202L/US 60 TI, Mesa, Arizona.*** Chief construction staking manager for 8 bridges, walls, roadway –mainline, ramps, arterials, intersection. Bridges include the following: Ramps 202S to 60E, 202N to 60E; 60W to 202S; 60E to 202N; SE Ramp over Southern; EN Ramp over Southern and Southern Ave Overpasses.
- ***I-10/I-17 “Stack” Interchange, Phoenix Arizona.*** Chief Surveyor on 4-tier interchange including 7 bridges, 162 columns, retaining walls, cast-in-place pipe and PCCP paving.
- ***Phoenix Sky Harbor Airport, Taxiway Romeo Pavement Reconstruction, Phoenix, Arizona.*** Chief construction staking manager for the removal and total reconstruction of an existing taxiway at Phoenix Sky Harbor Airport. This CMAR project was in conjunction with the City of Phoenix Aviation Department and Pulice Construction. This project included 1825' PCCP taxiway, new asphalt shoulders, asphalt infield area, slope paving, roadway barrier, new security fence, drainage, taxiway lighting, conduit, new anchor and approach slabs at existing bridges. Construction began on September 16, 2008 and was open to aircraft traffic on 11/12/08.
- ***Terminal Four Bridges, Sky Harbor Airport, Phoenix, Arizona.*** Chief Surveyor on project that included 10 bridges on both sides of new terminal at Phoenix Sky Harbor Airport.
- ***Grand Avenue Widening: 83<sup>rd</sup> Ave to 99<sup>th</sup> Ave, Phoenix, Arizona.*** Construction Survey Manager providing construction surveying for this two mile widening of Grand Avenue, including roadway widening and reconstruction, new retaining walls, water lines, storm drain, lighting and for the widening of the Eastbound and Westbound bridges over New River (designed by Structural Grace).
- ***Automated Train, Phoenix Sky Harbor International Airport, Phoenix, Arizona.*** Construction Survey Manager providing construction surveying for the columns and caps for the Automated Train at Sky Harbor Airport. This involves constructing 65 columns and 47 caps that will eventually support the elevated section of the train. This is Phase I which goes from 44<sup>th</sup> St and Washington to Terminal 4. Structural Grace is also providing construction surveying for the bridge over Taxiway R for the Automated Train. This four span bridge spans the existing taxiway. The columns are over 80-feet high and the bridge is over 100-feet high.
- ***I-17 Carefree Highway, Phoenix, Arizona.*** Chief construction staking manager responsible for the construction surveying for new interchange. The proposed traffic interchange reconstruction project consisted of removing the existing traffic interchange, bridge and ramps and constructing the new Carefree Highway roadways, a new precast girder bridge and new ramps and auxiliary lanes to Interstate 17. This work included grading, PCCP and AC roadway paving, RCB extension, drainage appurtenances guardrail, signing, striping, signals, lighting, traffic control and other related work.