

**RFQ# ADSP014-00003465, Annual Request for Qualifications and Experience  
REVISED - Attachment I – General Qualifications**

(If a firm has branch offices, complete for each specific branch office seeking work.)

**1. REVISED ADSP013-00003465: Annual Request for Qualifications**

a.	FIRM (OR BRANCH OFFICE) NAME:	<b>Tristar Engineering &amp; Management Inc.</b>
b.	FIRM (OR BRANCH OFFICE) STREET:	<b>10625 N. 25<sup>th</sup> Avenue, Suite 103</b>
c.	FIRM (OR BRANCH OFFICE) CITY:	<b>Phoenix</b>
d.	FIRM (OR BRANCH OFFICE) STATE:	<b>Arizona</b>
e.	FIRM (OR BRANCH OFFICE) ZIP CODE:	<b>85029</b>
f.	YEAR ESTABLISHED:	<b>2002</b>
(g1).	OWNERSHIP - TYPE:	<b>Arizona Corporation</b>
(g2).	OWNERSHIP - SMALL BUSINESS STATUS:	<b>N/A</b>
h.	POINT OF CONTACT NAME AND TITLE:	<b>John Akin, PE, President</b>
i.	POINT OF CONTACT TELEPHONE NUMBER:	<b>602-288-5596</b>
j.	POINT OF CONTACT E-MAIL ADDRESS:	<b>jakin@tristar-az.com</b>
k.	NAME OF FIRM (If block 1a is a branch office):	<b>N/A</b>

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**2. EMPLOYEES BY DISCIPLINE**

a. Discipline Title	b. Function: Primary (P) or Secondary (S)	c. No. of Employees - Firm	d. No. of Employees - Branch
<b>Civil Engineer</b>	<b>P</b>	<b>6</b>	
<b>Construction Inspector</b>	<b>P</b>	<b>19</b>	
<b>Other</b>	<b>P</b>	<b>5</b>	
<b>Total</b>		<b>40</b>	



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**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section 4 for each key person.)**

a. NAME <b>John Akin, PE</b>	b. ROLE IN THIS CONTRACT <b>Principal in Charge</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>20</b>	2. WITH CURRENT FIRM <b>10</b>
d. FIRM NAME AND LOCATION (City and State) <b>Tristar Engineering and Management, Inc., Phoenix, Arizona</b>			
e. EDUCATION (DEGREE AND SPECIALIZATION) <b>Bachelor of Science, Civil Engineering, Northern Arizona University, 1992</b>		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) <b>Arizona, Professional Engineer, No. 30484, 1996</b>	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Mr. John Akin has more than 20 years of experience in the construction industry. He is a highly experienced Resident Engineer (RE) with expertise in managing, administering and overseeing the construction of bridges and roadways. John is a former Senior RE with the ADOT and was involved in multi-million dollar heavy-highway construction projects throughout the Phoenix Metropolitan Area including the design-build of the US-60 and I-17 projects. At Tristar, John has managed dozens of roadway reconstruction projects for ADOT and local governments throughout the state. He is experienced with Alternative Delivery Methods of construction, including CMAR, design-build and JOC.			

**H. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) Year Completed	
		Professional Services	Construction (if applicable)
1)	<b>Arizona Game &amp; Fish Department, Black Canyon Lake Dam Improvements (Task Orders 1, 2 and 3 under Tristar's ADOA Annual Professional Services Contract), Phoenix, AZ</b>	<b>Task 1: 4/2011 – 7/2011</b> <b>Task 2: 8/2011 – 1/2012</b> <b>Task 3: 5/2013 – 8/2013</b>	<b>7/2011</b> <b>1/2012</b> <b>8/2013</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm John served as the Project Manager for this new spillway construction project. Tristar provided on-site construction inspection and materials testing services including earthwork inspections, concrete testing and general inspection of the contractor's work and documentation of the work through daily dairy records.		
2)	<b>ADOT, SR 101L, 63<sup>rd</sup> Avenue Pedestrian Bridge, Glendale, AZ</b>	<b>3/2010 – 3/2011</b>	<b>3/2011</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm John served as the Project Manager/PM (PM/RE) for this \$2.7M federally funded cable-stayed bridge, which is 260 feet long and spans SR 101L on 63 <sup>rd</sup> Avenue. It is the first cable-stayed bridge in Arizona, weighs 198 tons and is supported by 20 cables. Tristar was the sole representative of ADOT and the City of Glendale, and administered the project from beginning to end. Services included review and approval of shop drawings and processing of all supplemental agreements, monthly estimates and contractor's payrolls. Tristar was also responsible for coordination among all stakeholders (ADOT, City of Glendale, contractor, designer, artists, etc.) and oversaw the inspection of all aspects of the project including concrete landscaping and bridge inspection, especially the bridge welding, erection, and the tensioning of the cables.		
3)	<b>ADOT, US 160, Red Mesa to Teec Nos Pos, Teec Nos Pos, AZ</b>	<b>5/2010 – 11/2010</b>	<b>11/2010</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm John served as the Principal in Charge of this project on which Tristar provided construction administration and inspection services. This 28-mile project is located near the Four Corners and included milling of the existing pavement near the Port of Entry; extension of drainage pipes; guardrail replacements; placement of a 2-inch A/C overlay and 1" AR-ACFC; placing pavement markings; rumble strips and other related work.		
4)	<b>ADOT, Statewide Bridge Repair, Safford, Tucson, Holbrook, Kingman, Phoenix Districts, AZ</b>	<b>10/2010 -4/2011</b>	<b>4/2011</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm John served as the Principal in Charge of this project. Tristar provided construction administration and inspection services for bridge repairs at ten separate locations throughout the state. The method for repair was primarily heat-straightening of steel bridge girders and spot improvements where required.		
5)	<b>ADOT, I-17 Pedestrian Bridge at CAP, Phoenix, AZ</b>	<b>3/2011 – 12/2012</b>	<b>12/2012</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm John served as the PM/RE for this signature pedestrian bridge over I-17 and the CAP. Under an on-call contract with ADOT, Tristar performed full-service construction management and inspection services for this federally funded project. This bridge links the Demm Hill Recreation area to the 3,000-acre Sonoran Preserve.		

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**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section 4 for each key person.)**

a. NAME <b>Aziz Haddad, PE, CPESC</b>		b. ROLE IN THIS CONTRACT <b>Resident Engineer/Project Manager</b>		c. YEARS EXPERIENCE	
				1. TOTAL <b>29</b>	2. WITH CURRENT FIRM <b>4</b>
d. FIRM NAME AND LOCATION (City and State) <b>Tristar Engineering and Management, Inc., Phoenix, Arizona</b>					
e. EDUCATION (DEGREE AND SPECIALIZATION) <b>Bachelor of Science, Civil Engineering, University of Arizona, 1980</b>			f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) <b>Arizona, Professional Engineer, No. 34581 Certified Professional in Erosion &amp; Sediment Control #2830</b>		
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Mr. Aziz Haddad has 29 years of experience in the construction administration of projects involving transportation, bridges, utilities, rest areas, and site development facilities. Prior to Tristar, he was with the ADOT for 14 years and with various other consulting firms for 11 years. He has been with Tristar for 4 years and has managed several large scale projects including the award-winning 63rd Avenue Pedestrian Bridge for the City of Glendale, two auxiliary lane projects for ADOT's Phoenix Construction District and Bell Road from 59th to 69th Avenues for the City of Glendale.					

**H. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) Year Completed	
		Professional Services	Construction (if applicable)
1)	<b>ADOT, CAP Bridge at I-17, Phoenix, AZ</b>	<b>3/2011 – 12/2012</b>	<b>12/2012</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Aziz served as the Construction Supervisor for this signature pedestrian bridge over I-17 and the CAP. Under an on-call contract with ADOT, Tristar performed full-service construction management and inspection services for this federally funded project. This bridge links the Demm Hill Recreation area to the 3,000-acre Sonoran Preserve.		
2)	<b>ADOT, SR 101L, 63<sup>rd</sup> Avenue Pedestrian Bridge, Glendale, AZ</b>	<b>3/2010 – 3/2011</b>	<b>3/2011</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Aziz served as the Construction Supervisor for this \$2.7M federally funded cable-stayed bridge, which is 260 feet long and spans SR 101L on 63 <sup>rd</sup> Avenue. It is the first cable stay bridge in Arizona, weighs 198 tons and is supported by 20 cables. Tristar was the sole representative of ADOT and the City of Glendale, and administered the project from beginning to end. Services included review and approval of shop drawings and processing of all supplemental agreements, monthly estimates and contractor's payrolls. Tristar was also responsible for coordination between ADOT, the City of Glendale, the contractor, the designer, artists and other stakeholders and oversaw the inspection of all aspects of the project including concrete landscaping and bridge inspection, especially the bridge welding, erection, and the tensioning of the cables.		
3)	<b>ADOT, Bell Road 59<sup>th</sup> Avenue to 69<sup>th</sup> Avenue, Glendale, AZ</b>	<b>3/2011 – 6/2011</b>	<b>6/2011</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Aziz was the Senior Resident Engineer on this project that included a mill and overlay of AC pavement on Bell Road from 59 <sup>th</sup> Avenue to 69 <sup>th</sup> Avenue. This project was constructed during the night time hours and weekends due to the high volume of traffic on Bell Road.		
4)	<b>ADOT, I-17, McGuireville Traffic Interchange, Cordes Junction, AZ</b>	<b>12/2009 – 6/2011</b>	<b>6/2011</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Aziz was the Sr. Resident Engineer on this \$8.9M project that included widening of two bridges on I-17, re-alignment of on and off ramps, milling and paving, guard rail, lighting, signing and striping and other incidental work. One of the unique aspects of the project was the widening of one ramp that was located in a floodplain and required permits from the County regarding scour depth and ramp embankment design.		
5)	<b>ADOT/Freeport McMoRan, Inc., US 191 Sun Ridge B Realignment, Morenci, AZ</b>	<b>4/2013 – 8/2013</b>	<b>8/2013</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Aziz was the Senior Resident Engineer on this roadway realignment/reconstruction project. Tristar provided oversight of the contractor's work, construction inspections, surveying, quality acceptance inspection and testing services for the reconstruction of US-191 near Milepost 178 on behalf of FMI for the project owner, ADOT.		

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**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT** (Complete one Section 4 for each key person.)

a. NAME <b>Jon Nelson, ACI, ATTI, ECC, NICET IV</b>	b. ROLE IN THIS CONTRACT <b>Electrical Inspector</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>17</b>	2. WITH CURRENT FIRM <b>4</b>
d. FIRM NAME AND LOCATION (City and State) <b>Tristar Engineering and Management, Inc., Phoenix, Arizona</b>			
e. EDUCATION (DEGREE AND SPECIALIZATION) <b>Bachelor of Science, Botany, Arizona State University, 1983 AGC-ADOT Erosion Control Coordinator Training</b>		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) <b>ACI Concrete Field Testing Technician – Grade I ATTI Field Technician IMSA Traffic Technician Level I</b>	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Mr. Jon Nelson has more than 17 years of supervisory and management experience on a wide variety of projects for ADOT, City of Phoenix and a multitude of Local Public Agencies. He recently completed a series of federally funded ITS projects for MCDOT with joint funding from LPAs such as the Cities of Glendale and Surprise. Prior to those projects, Jon served as a Lead Electrical Inspector for the L101 HOV Lanes (Design-Build) project.			

**H. RELEVANT PROJECTS**

1)	(1) TITLE AND LOCATION (City and State) <b>Maricopa County Department of Transportation (MCDOT), Northern Parkway, Sarival to Dysart, Glendale, AZ</b>	(2) Year Completed	
		Professional Services <b>1/2012 – 12/2013</b>	Construction (if applicable) <b>12/2013</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Jon served as the Electrical Inspector on this \$42M project. The new alignment is north of Northern Avenue and will connect SR 303L from the east to Dysart Road to the west. The project includes two new purpose lanes (four miles) with bridges over the BNSF Railroad and Sarival Avenue, multiple concrete reinforced drainage boxes, a drainage channel, drainage basins, traffic signals, signing and striping and parkway lighting.		
2)	(1) TITLE AND LOCATION (City and State) <b>ADOT, SR 101L, I-10 to Tatum Boulevard Design Build, Phoenix, AZ</b>	(2) Year Completed	
		Professional Services <b>2/2009 – 8/2011</b>	Construction (if applicable) <b>8/2011</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Jon was the Sr. Resident Field Representative for electrical, traffic signal and FMS inspections for this \$90M project that included 26 miles of one new general purpose lane in each direction, multiple bridges, drainage structures, signing and striping and freeway lighting. He inspected and coordinated testing and acceptance of: bridge sign structures for DMS, drilled shafts for bridge sign structures, Fiber Optic Cable, splice closures, pull boxes, conduit Load Centers, CCTV cameras, cabinets, VOTR'S and Node Assembly Equipment. He also reviewed, reconciled, and approved monthly contractor progress estimates for these items, reviewed and approved electrical and FMS component submittals, coordinated work efforts of other electrical inspectors, provided design reviews and attended weekly meetings.		
3)	(1) TITLE AND LOCATION (City and State) <b>ADOT, Red Mountain Freeway (SR 202L) HOV and General Purposes Lanes, SR 51 to SR 101L Design Build, Phoenix, AZ</b>	(2) Year Completed	
		Professional Services <b>2/2008 – 2/2010</b>	Construction (if applicable) <b>2/2010</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Jon was the Sr. Resident Field Representative for electrical, traffic signal and FMS inspections for this \$180M project that involved widening of several existing bridges, one new general purpose lane of traffic, drainage structures, traffic signals, signing and striping and freeway lighting. He inspected and coordinated testing and acceptance of: bridge sign structures for DMS, drilled shafts for bridge sign structures, Fiber Optic Cable, splice closures, pull boxes, conduit Load Centers, CCTV cameras, cabinets, VOTR'S, and Node Assembly Equipment. He also reviewed, reconciled, and approved monthly contractor progress estimates for these items, reviewed and approved electrical and FMS component submittals, coordinated work efforts of other electrical inspectors, provided design reviews and attended weekly meetings.		
4)	(1) TITLE AND LOCATION (City and State) <b>City of Surprise, Peoria Avenue to Litchfield Road Fiber, Surprise, AZ</b>	(2) Year Completed	
		Professional Services <b>3/2011 – 8/2011</b>	Construction (if applicable) <b>8/2011</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Jon served as a project supervisor for this \$413K ADOT administered local government project that involved CCTV, Ethernet backbone, 40,000 LF of fiber optic cable, conduit and pull boxes. He supervised inspectors, approved daily diaries, developed/negotiated letters of agreements and change orders, reviewed/authorized monthly progress payment estimates and reviewed/approved material submittals. He also led weekly meetings, prepared/distributed meeting minutes, coordinated contractor work activities and reviewed traffic control plans with City Staff.		
5)	(1) TITLE AND LOCATION (City and State) <b>City of Surprise, Greenway Road Fiber Project, Surprise, AZ</b>	(2) Year Completed	
		Professional Services <b>7/2010 – 12/2010</b>	Construction (if applicable) <b>12/2010</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Jon served as a project supervisor on this \$494K ADOT administered project that involved CCTV, Ethernet backbone and 30,000 LF of fiber optic cable, conduit and pull boxes. He supervised inspectors, approved daily diaries, developed/negotiated letters of agreements and change orders, reviewed/authorized monthly progress payment estimates and reviewed/approved material submittals. He also led weekly meetings, prepared/distributed meeting minutes, coordinated contractor work activities and reviewed traffic control plans with City Staff.		

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**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT** *(Complete one Section 4 for each key person.)*

a. NAME <b>Tom VanNess, ACI, ATTI, ECC, NICET IV</b>	b. ROLE IN THIS CONTRACT <b>Project Supervisor/Chief Inspector</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>28</b>	2. WITH CURRENT FIRM <b>8</b>
d. FIRM NAME AND LOCATION <i>(City and State)</i> <b>Tristar Engineering and Management, Inc., Phoenix, Arizona</b>			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> <b>Various Courses, Phoenix College, Phoenix AZ</b>		f. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> <b>ACI Concrete Field Testing Technician – Grade I ATTI Field Technician AGC-ADOT Erosion Control Coordinator NICET, Transportation Engineering Technology, Level IV</b>	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Tom has 28 years of construction inspection experience of major urban arterials, freeways, and bridges in Arizona. His career includes 20 years of inspecting construction projects while employed with ADOT. He has a thorough knowledge of MAG and various other municipality standards along with construction policies, procedures and documentation. He is also very familiar with OSHA requirements that assure the contractor maintains a safe work site. Tom has experience facilitating weekly meetings with project owners, contractors and other stakeholders. He always works to assure the client that all applicable policies and procedures are adhered to and instructs inspection personnel on plans interpretation.			

**H. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i> <b>Town of Gilbert, Riggs Road, Val Vista Drive to Recker Road, Gilbert, AZ</b>	(2) Year Completed	
	Professional Services <b>11/2011 – 10/2013</b>	Construction <i>(if applicable)</i> <b>10/2013</b>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm 1) Tom served as the Project Supervisor for this \$10.2M, 3-mile project that upgraded Riggs Road from a divided 2-lane arterial to a 6-lane roadway with raised landscaped median islands and bike lanes. Project scope included two new signalized intersections, underground drainage, utilities and coordination with adjacent businesses and residents. He supervised inspectors, coordinated with design engineers and consultants and worked closely with the contractor to ensure that the project was kept within schedule and budget. He also prepared supplemental agreements, coordinated activities with local municipalities, approved daily diaries and worked with staff on materials close-outs and field red lines.		
(1) TITLE AND LOCATION <i>(City and State)</i> <b>Town of Gilbert, Greenfield &amp; Warner Road Basin and Improvements, Gilbert, AZ</b>	(2) Year Completed	
	Professional Services <b>6/2006 – 6/2007</b>	Construction <i>(if applicable)</i> <b>6/2007</b>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm 2) Tom served as the Project Supervisor responsible for providing construction management services and supervision of inspection staff for this project that involved construction of a storm water retention basin, completion of improvements to Greenfield and Warner Roads, and installation of a 24-inch reclaimed water pipeline in Greenfield from Warner to Knox Roads.		
(1) TITLE AND LOCATION <i>(City and State)</i> <b>City of Peoria, 91<sup>st</sup> Avenue/Olive Avenue, Peoria, AZ</b>	(2) Year Completed	
	Professional Services <b>3/2010 – 12/2010</b>	Construction <i>(if applicable)</i> <b>12/2010</b>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm 3) As the Project Supervisor; Tom supervised inspectors and technicians, worked closely with the contractor to ensure that the project was kept on schedule and within budget and coordinated with the design engineers and consultants. He also wrote supplemental agreements, coordinated activities with local municipalities, approved daily diaries and worked with staff on materials close-outs and field red lines. The intent of this project was to create dual left-turns in all directions and match into an adjacent ADOT project along Olive Avenue under SR 101L. The project also included milling A/C, AR-AC paving, storm drain extension and reconstruction of several urban driveways.		
(1) TITLE AND LOCATION <i>(City and State)</i> <b>ADOT, SR 101L Olive Avenue Traffic Interchange, Peoria, AZ</b>	(2) Year Completed	
	Professional Services <b>3/2010 – 8/2011</b>	Construction <i>(if applicable)</i> <b>8/2011</b>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm 4) As the Project Supervisor, Tom supervised inspectors and technicians, worked closely with the contractor to ensure that the project stayed on schedule and within budget, and coordinated with design engineers and consultants. He also prepared supplemental agreements, coordinated activities with local municipalities, approved daily diaries and worked with staff on materials close-outs and field red line drawings. This project involved widening of the intersection by using a soil nail wall system, as well as PCCP and AC.		
(1) TITLE AND LOCATION <i>(City and State)</i> <b>ADOT, I-10, Mescal Road Traffic Interchange Underpass, Cochise County, AZ</b>	(2) Year Completed	
	Professional Services <b>6/2011 – 10/2011</b>	Construction <i>(if applicable)</i> <b>10/2011</b>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm 5) As the project Lead Inspector, Tom supervised one technician and worked closely with the contractor to ensure that the project was kept on schedule and within budget. He was also responsible for completing corresponding documentation such as daily diaries and construction quantlists. The project involved repairs to the bridge abutments and piers, replacement of bridge deck, drainage structures, PCCP and AC.		

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**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section 4 for each key person.)**

a. NAME <b>Pete Josephson, ACI, ATTI</b>	b. ROLE IN THIS CONTRACT <b>Lead Inspector</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>29</b>	2. WITH CURRENT FIRM <b>2</b>
d. FIRM NAME AND LOCATION (City and State) <b>Tristar Engineering and Management, Inc., Phoenix, Arizona</b>			
e. EDUCATION (DEGREE AND SPECIALIZATION)		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) <b>ACI Concrete Field Testing Technician – Grade 1 ATTI Field Technician</b>	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Mr. Pete Josephson has 29 years of experience in the construction industry, he has worked on a wide variety of projects including freeways, highways, urban arterials, airports, railroads, utilities and bridges. He also served on a survey crew for four years performing construction staking for highways and subdivisions and preparing and lot surveys. He then completed the required training to become a lead inspector and began working in construction management projects. Pete's lead inspector responsibilities include inspections, documentation of the contractor's work, tracking of quantities, review of pay estimates, oversight of contractor QC and traffic control measures and attending project weekly meetings.			

**H. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) Year Completed	
		Professional Services	Construction (if applicable)
1)	<b>Arizona Game &amp; Fish Department, Black Canyon Lake Dam Improvements (Task Orders 1, 2 and 3 under Tristar's ADOA Annual Professional Services Contract), Phoenix, AZ</b>	<b>Task 2: 8/2011 – 1/2012 Task 3: 5/2013 – 8/2013</b>	<b>1/2012 8/2013</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Pete served as the lead inspector the construction of a new spillway. His responsibilities included earthwork and concrete testing and general inspection of the contractor's work. In addition, Pete was responsible for completing corresponding documentation such as daily dairies.		
2)	<b>ADOT, I-10/SR 303L Traffic Interchange, Phase 1, Goodyear/Glendale, AZ</b>	<b>1/2012 – 1/2013</b>	<b>1/2013</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Pete was the lead structures inspector (S7) for this project. He was responsible for construction inspection and documentation of 10 cast-in-place post tension structures and 1 precast pre-stress girder structure. His responsibilities included inspection of false work, substructure and superstructure work and post tensioning of the structures after completion. He was also responsible for tracking work progress, pay quantities, Quantlists, sampling of materials used, daily dairies and attending weekly project meetings.		
3)	<b>ADOT, I-10 (Ehrenberg-Phoenix Highway), Sarival Avenue to SR 101L, Goodyear/Glendale, AZ</b>	<b>10/2009 – 4/2011</b>	<b>4/2011</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Pete was the lead structures inspector (S7) for this project. He was responsible for construction inspection and documentation of the widening of 8 cast-in-place box girder bridges and two full bridge replacements. His responsibilities included inspection of false work, substructure and superstructure work and post tensioning of the structures after completion. He was also responsible for tracking work progress, pay quantities, Quantlists, sampling of materials used, daily dairies and attending weekly project meetings.		
4)	<b>ADOT, I-10 (Ehrenberg - Phoenix Highway), Sarival Avenue to Dysart Road, Goodyear/Glendale, AZ</b>	<b>2009</b>	<b>2010</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Pete was the lead inspector (S7) on this project that widened six cast-in-place box girder bridges. The construction of the structures was unique in that they were "built high then lowered." His responsibilities included the inspection of false work, substructures and superstructures. He was also responsible for the documentation of work progress, Quantlists, pay quantities, post tensioning and the sampling of materials used during construction.		
5)	<b>ADOT, I-10 (Ehrenberg - Phoenix Highway), Verrado Way to Sarival Avenue, Goodyear/Glendale, AZ</b>	<b>2008</b>	<b>2009</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Pete was the lead structures inspector (S7) for this project that included widening three cast-in-place box girder bridges. He was responsible for the inspection of the false work, substructures and superstructures and the post tensioning of the structures after completion. His responsibilities also included the documentation of work progress, Quantlists, pay quantities, daily dairies and the sampling of materials used during construction..		

**RFQ# ADSP014-00003465, Annual Request for Qualifications and Experience  
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**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section 4 for each key person.)**

a. NAME <b>Randy Gorman, ACI, ATTI, NICET III</b>		b. ROLE IN THIS CONTRACT <b>Lead Inspector</b>		c. YEARS EXPERIENCE	
				1. TOTAL <b>36</b>	2. WITH CURRENT FIRM <b>10</b>
d. FIRM NAME AND LOCATION (City and State) <b>Tristar Engineering and Management, Inc., Phoenix, Arizona</b>					
e. EDUCATION (DEGREE AND SPECIALIZATION)			f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)		
			<b>ACI Concrete Field Testing Technician – Grade I ATTI Field Technician NICET Highway Construction Level III</b>		
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Mr. Randy Gorman has more than 36 years of experience on state- and federally funded projects. As a lead inspector he assures that the contractors comply with plans, specifications and special provisions. He also reviews and processes project reports and contractor payments. Randy has provided structures and paving inspection for the Kingman, Holbrook and Globe Districts for ADOT in recent years. He was a key member of the Team that was awarded the Marvin M. Black Partnering Award in the Kingman District for the Andy Devine Boulevard reconstruction project.					

**H. RELEVANT PROJECTS**

1)	(1) TITLE AND LOCATION (City and State) <b>Arizona Game &amp; Fish Department, Black Canyon Lake Dam Improvements (Task Orders 1, 2 and 3 under Tristar’s ADOA Annual Professional Services Contract), Phoenix, AZ</b>	(2) Year Completed	
		Professional Services <b>Task 1: 4/2011 – 7/2011 Task 2: 8/2011 – 1/2012 Task 3: 5/2013 – 8/2013</b>	Construction (if applicable) <b>7/2011 1/2012 8/2013</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Randy served as the lead inspector for the construction of a new spillway. His responsibilities included earthwork and concrete testing and general inspection of the contractors work. He was also responsible for completing corresponding documentation such as daily diaries.		<input checked="" type="checkbox"/> Check if project performed with current firm
2)	(1) TITLE AND LOCATION (City and State) <b>ADOT, US 160, Red Mesa to Teec Nos Pos, Teec Nos Pos, AZ</b>	(2) Year Completed	
		Professional Services <b>5/2010 - 11/2010</b>	Construction (if applicable) <b>11/2011</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Randy performed hot-plant inspection for this 13-mile asphalt overlay ADOT project. He was also responsible for completing corresponding documentation such as daily diaries and construction quantlists.		<input checked="" type="checkbox"/> Check if project performed with current firm
3)	(1) TITLE AND LOCATION (City and State) <b>ADOT, US 60, Show Low Creek Bridge, Show Low, AZ</b>	(2) Year Completed	
		Professional Services <b>4/2009 - 11/2009</b>	Construction (if applicable) <b>11/2009</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Randy was a lead inspector for this bridge replacement project located within Show Low’s city limits. His responsibilities included concrete testing and general inspection of the contractors work, as well as completing corresponding documentation such as daily diaries and construction quantlists		<input checked="" type="checkbox"/> Check if project performed with current firm
4)	(1) TITLE AND LOCATION (City and State) <b>ADOT, Andy Devine Boulevard (SR 66) Pavement Replacement, Kingman, AZ</b>	(2) Year Completed	
		Professional Services <b>3/2010 - 10/2010</b>	Construction (if applicable) <b>10/2010</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Randy served as the lead inspector for this project that replaced the existing A/C pavement with PCCP. This project was complicated as several commercial properties lined both sides of the road and required access to be maintained throughout the project. Additionally, this project had a large amount of truck traffic, which also complicated traffic control and detour signing.		<input checked="" type="checkbox"/> Check if project performed with current firm
5)	(1) TITLE AND LOCATION (City and State) <b>ADOT, US 93, Antelope Wash – Old US 93, AZ</b>	(2) Year Completed	
		Professional Services <b>5/2005 - 9/2007</b>	Construction (if applicable) <b>9/2007</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Randy was the lead inspector for all of the bridges and box culverts for this project north of Wikieup, Arizona within ADOT’s Kingman District. He was responsible for all concrete sampling and field testing, as well as inspection of rebar and forms. This 7-mile project divided US-93 into northbound and southbound roadways, separated by a median, and required through traffic be maintained throughout construction.		<input checked="" type="checkbox"/> Check if project performed with current firm

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**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section 4 for each key person.)**

a. NAME <b>Jason Lee, ACI, ATTI</b>	b. ROLE IN THIS CONTRACT <b>Lead Inspector</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>18</b>	2. WITH CURRENT FIRM <b>4</b>
d. FIRM NAME AND LOCATION (City and State) <b>Tristar Engineering and Management, Inc., Phoenix, Arizona</b>			
e. EDUCATION (DEGREE AND SPECIALIZATION)		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) <b>ACI Concrete Field Testing – Grade I ATTI Field Technician</b>	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Mr. Jason Lee has 18 years of experience in the construction industry. His experience includes field and lab testing for concrete, asphalt, and soils. He previously worked as the Quality Control Manager for an asphalt paving contractor overseeing the quality testing for several projects in Arizona and New Mexico. Jason has experience with asphalt paving according to various agency specifications including the Arizona Department of Transportation (ADOT), the Maricopa County Department of Transportation (MCDOT) and others.			

**H. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) Year Completed	
		Professional Services	Construction (if applicable)
1)	<b>Arizona Game &amp; Fish Department, Black Canyon Lake Dam Improvements (Task Orders 1, 2 and 3 under Tristar’s ADOA Annual Professional Services Contract), Phoenix, AZ</b>	<b>Task 3: 5/2013 – 8/2013</b>	<b>Task 3: 8/2013</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Jason served as an Inspector on this spillway improvements construction project. His responsibilities included earthwork and concrete testing and general inspection of the contractor’s work. He was also responsible for daily documentation of project activities.		
2)	<b>Maricopa County Department of Transportation (MCDOT), Northern Parkway, Sarival to Dysart, Glendale, AZ</b>	<b>2/2013 – 5/2013</b>	<b>12/2013</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Jason served as an Inspector on this \$42M project. The new alignment is north of Northern Avenue and will connect SR 303L from the east to Dysart Road to the west. The project includes two new purpose lanes (four miles) with bridges over the BNSF Railroad and Sarival Avenue, multiple concrete reinforced drainage boxes, a drainage channel, drainage basins, traffic signals, signing and striping and parkway lighting.		
3)	<b>Arizona Department of Transportation (ADOT), SR 87 Payson to Pine Shoulder Widening, Payson/Pine, AZ</b>	<b>5/2010 – 4/2011</b>	<b>4/2011</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Jason was responsible for inspection of subgrade, aggregate base, asphalt, guardrail, striping, and signs. He monitored and inspected an operation to jack and bore a pipe under the highway. He was also responsible for inspecting minor concrete incidentals, ACFC, and for monitoring and payment of traffic control for this project to widen shoulders and construct turn lanes.		
4)	<b>ADOT, SR 195/County Road 23, San Luis, AZ</b>	<b>6/2008 – 1/2009</b>	<b>1/2009</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Jason was responsible for inspecting and measuring payment quantities for new curb and gutter and catch basins, as well as monitoring mass earthwork haul and over excavation of existing unsuitable material. This nearly 2-mile project began at the new Port of Entry and was a combination of reconstruction, new construction, and overlay of existing roadways.		
5)	<b>ADOT, SR 179, Hot Plant Inspections, Sedona, AZ</b>	<b>3/2009 – 4/2010</b>	<b>4/2010</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Jason was responsible for performing asphalt hot plant inspection for two projects in the Sedona area. He also performed miscellaneous incidental inspection for curb and sidewalk, and delivered samples to the Regional Lab when other inspectors needed assistance.		

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**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section 4 for each key person.)**

a. NAME <b>Katherine Aragon</b>	b. ROLE IN THIS CONTRACT <b>Field Office Manager</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>19</b>	2. WITH CURRENT FIRM <b>4</b>
d. FIRM NAME AND LOCATION (City and State) <b>Tristar Engineering and Management, Inc., Phoenix, Arizona</b>			
e. EDUCATION (DEGREE AND SPECIALIZATION) <b>Bachelor of Science, Business Information Systems University of Phoenix, 1999</b>		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)	
<p><b>ADOT Courses such as:</b> Construction Progress Estimates, Force Accounting, Supplemental Agreement Tracking Systems, Certified Payroll Workshop, Computer Security Awareness, Quantlists for Inspectors, Construction Office Quantities, and Asphalt Unit Price Adjustments</p>			
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Katherine Aragon has 19 years of experience in the construction industry, first as a field inspector and later as construction office technician. She spent 15 years of her career at ADOT as a field office administrator and statewide computer support technician. At Tristar, she serves as a Field Office Supervisor and is responsible for monthly estimate documentation, review of certified payrolls, and other technical documentation for projects. She is experienced in using LCPtracker to document contractors' invoices, using B2GNow for DBE compliance, and interviewing contractor staff to comply with Davis Bacon Wage Rights. Recently, Katherine assisted ADOT's Flagstaff Org 8530 with closeout of 20 projects while performing ongoing office duties for an additional 8 projects.			

**H. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) Year Completed	
		Professional Services	Construction (if applicable)
1)	<b>Arizona Department of Transportation (ADOT), SR 101L, 63<sup>rd</sup> Avenue Pedestrian Bridge, Glendale, AZ</b>	<b>3/2010 – 3/2011</b>	<b>3/2011</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Katherine served as Field Office Manager on this \$2.7M project. Her daily duties included utilization of ADOT's software programs such as CPE, PEP, LCPtracker and FAST to complete project documentation in accordance with contract requirements.		
2)	<b>ADOT, I-17 Munds Park TI, Flagstaff, AZ</b>	<b>10/2011-9/2013</b>	<b>9/2013</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Katherine served in the ADOT Field Office as the Office Manager on this \$10M traffic interchange reconstruction project that included 416 end-product asphalt. Her daily duties included regular utilization of ADOT's software programs such as CPE, PEP, LCPtracker and FAST to complete project documentation in accordance with contract requirements.		
3)	<b>ADOT, Statewide Steel Girder Bridge Rehabilitation, Various Locations Throughout Arizona</b>	<b>10/2010 – 4/2011</b>	<b>4/2011</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Katherine served as the Field Office Manager on this project that included reconstruction of 11 steel girder structures throughout the state using the flame heat straightening technique. Her responsibilities included review and approval of pay items, checking certified payrolls, contractor employee interviews and reviewing force account documentation and change orders while utilizing ADOT's software programs such as CPE, PEP, LCPtracker and FAST.		
4)	<b>ADOT, Agua Fria Freeway (SR 101L) Olive Avenue Traffic Interchange, Peoria, AZ</b>	<b>3/2010 – 8/2011</b>	<b>8/2011</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Katherine served as Field Office Manager on this ARRA funded project. Her daily duties included utilization of ADOT's software programs such as CPE, PEP, LCPtracker and FAST to complete project documentation in accordance with contract requirements.		
5)	<b>ADOT, Tusayan Improvements, Tusayan, AZ</b>	<b>10/2011 – 4/2013</b>	<b>4/2013</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Katherine served as Office Manager in the ADOT Field Office on this street improvement and landscape enhancement project in the Town of Tusayan. Her responsibilities included review and approval of pay items, checking certified payrolls, contractor employee interviews and reviewing force account documentation and change orders while utilizing ADOT's software programs such as CPE, PEP, LCPtracker and FAST.		

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**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section 4 for each key person.)**

a. NAME <b>Rosary Cruz</b>	b. ROLE IN THIS CONTRACT <b>Field Office Manager</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>12</b>	2. WITH CURRENT FIRM <b>7</b>
d. FIRM NAME AND LOCATION (City and State) <b>Tristar Engineering and Management, Inc., Phoenix, Arizona</b>			
e. EDUCATION (DEGREE AND SPECIALIZATION) <b>Various ADOT Construction Administration Related Courses</b>		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Ms. Rosary Cruz has 12 years of construction field office and general administrative experience. She has worked on several projects (Federal- and state-funded) for the Arizona Department of Transportation (ADOT) and Del Webb/Pulte Home Corp., including the Daisy Mountain interchange constructed for the Anthem development. She has assisted with monthly estimate documentation; pay item documentation and reconciliation, verification and tracking of certified payrolls; force account documentation and transmittal compilation; project finalization and closeout; and various other field office administrative responsibilities. Rosary is proficient with ADOT's software programs such as CPE, PEP, SATS, LCPtracker and a variety of FAST applications.			

**H. RELEVANT PROJECTS**

1) (1) TITLE AND LOCATION (City and State) <b>Arizona Department of Transportation (ADOT), CAP Bridge at I-17, Phoenix, AZ</b>	(2) Year Completed	
	Professional Services <b>3/2011 – 12/2012</b>	Construction (if applicable) <b>12/2012</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Rosary served as the Field Office Supervisor for this signature pedestrian bridge over I-17 and the CAP. Her office duties include review and approval of pay items, checking certified payrolls, contractor employee interviews, reviewing force account documentation and change orders. Under an on-call contract with ADOT, Tristar performed full-service construction management and inspection services for this federally funded project. This bridge links the Demm Hill Recreation area to the 3,000-acre Sonoran Preserve.		
2) (1) TITLE AND LOCATION (City and State) <b>ADOT, On-Call Temporary Technical Construction Services Contract, 2011 to Present, Various Locations, AZ</b>	(2) Year Completed	
	Professional Services <b>10/2011 – 12/2013</b>	Construction (if applicable) <b>On-going</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Tristar provides inspection services on an individual assignment basis to supplement ADOT staff statewide. Tristar has completed more than 450 individual task assignments throughout the State of Arizona for inspection, office and resident engineer roles during the past three contracts dating back to 2003. Rosary serves as a Field Office Supervisor with various administrative and contract administration duties for various project assignments under this on-call contract. Her office duties often include review and approval of pay items, checking certified payrolls, contractor employee interviews, reviewing force account documentation and change orders.		
3) (1) TITLE AND LOCATION (City and State) <b>ADOT, Gila Bend – Buckeye Highway (SR 85), Southern Avenue – I-10, Phoenix, AZ</b>	(2) Year Completed	
	Professional Services <b>3/2009 – 2/2012</b>	Construction (if applicable) <b>2/2012</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Rosary was the Field Office Supervisor with various administrative and contract administration duties for this \$750k construct roadway project. Her office duties include review and approval of pay items, checking certified payrolls, contractor employee interviews, reviewing force account documentation and change orders.		
4) (1) TITLE AND LOCATION (City and State)	(2) Year Completed	
	Professional Services	Construction (if applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm		
5) (1) TITLE AND LOCATION (City and State)	(2) Year Completed	
	Professional Services	Construction (if applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm		

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**5. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**

*(Present no more than five (5) projects. Complete one Section 5 for each project.)*

a. TITLE AND LOCATION <i>(City and State)</i>  <b>Black Canyon Lake Dam &amp; Spillway Improvements Heber, Arizona</b>	b. YEAR COMPLETED <table border="1"> <tr> <td data-bbox="922 289 1258 317">PROFESSIONAL SERVICES</td> <td data-bbox="1258 289 1562 317">CONSTRUCTION <i>(If applicable)</i></td> </tr> <tr> <td data-bbox="922 317 1258 344"><b>Task 1: 4/2011 – 7/2011</b></td> <td data-bbox="1258 317 1562 344"><b>2011</b></td> </tr> <tr> <td data-bbox="922 344 1258 371"><b>Task 2: 8/2011 – 1/2012</b></td> <td data-bbox="1258 344 1562 371"><b>2012</b></td> </tr> <tr> <td data-bbox="922 371 1258 399"><b>Task 3: 5/2013 – 8/2013</b></td> <td data-bbox="1258 371 1562 399"><b>2013</b></td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>	<b>Task 1: 4/2011 – 7/2011</b>	<b>2011</b>	<b>Task 2: 8/2011 – 1/2012</b>	<b>2012</b>	<b>Task 3: 5/2013 – 8/2013</b>	<b>2013</b>
PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>									
<b>Task 1: 4/2011 – 7/2011</b>	<b>2011</b>									
<b>Task 2: 8/2011 – 1/2012</b>	<b>2012</b>									
<b>Task 3: 5/2013 – 8/2013</b>	<b>2013</b>									

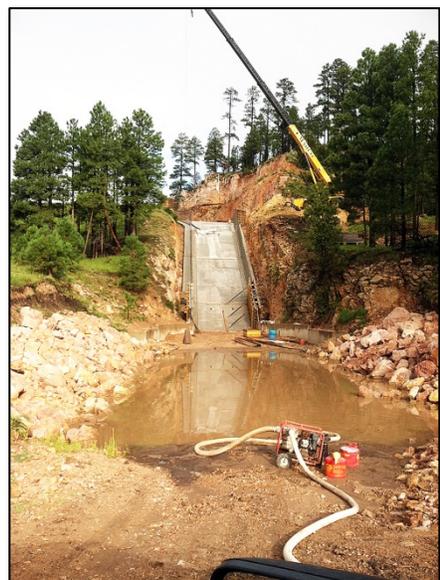
**23. PROJECT OWNER'S INFORMATION**

c. PROJECT OWNER <b>Arizona Game and Fish Department</b>	d. DOLLAR AMOUNT OF PROJECT <b>\$740,000.00</b>	e. TOTAL COST OF PROJECT <b>\$731,000.00</b>
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

Tristar acquired this contract with the Arizona Game and Fish Department as a result of our ADOA Professional Services Contract. The project was completed through Task Orders 1, 2 and 3.

The project scope of work involved construction of a new spillway and Tristar was brought on to provide on-site construction inspection and testing services. Project elements included earthwork and concrete testing and general inspection of the contractor's work. Tristar's inspectors also provided detailed daily dairies to document the work that was performed.



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5. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT		
<i>(Present no more than five (5) projects. Complete one Section 5 for each project.)</i>		
a. TITLE AND LOCATION <i>(City and State)</i> <b>63<sup>rd</sup> Avenue Pedestrian Bridge over the SR 101L Glendale, Arizona</b>	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES <b>3/2010 – 3/2011</b>	CONSTRUCTION <i>(If applicable)</i> <b>3/2011</b>
23. PROJECT OWNER'S INFORMATION		
c. PROJECT OWNER <b>Arizona Department of Transportation</b>	d. DOLLAR AMOUNT OF PROJECT <b>\$2.5M (Original Construction Budget)</b>	e. TOTAL COST OF PROJECT <b>\$2.7M (Final Construction Cost)</b>

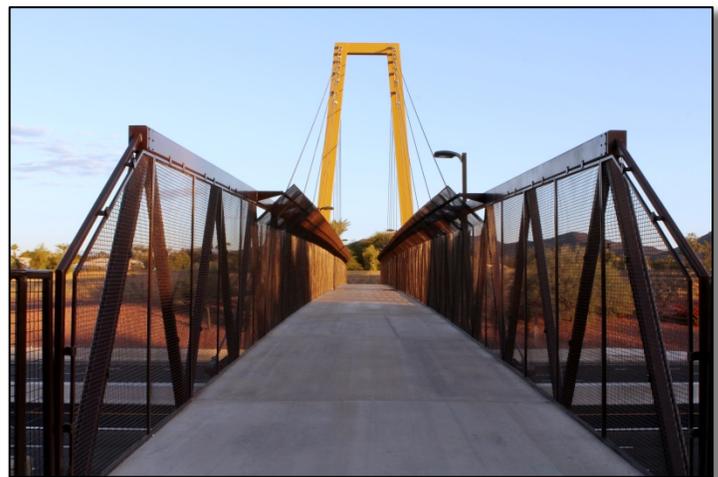
f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

This 260-foot long cable-stayed bridge that spans SR 101L on 63<sup>rd</sup> Avenue weighs 198 tons and is supported by 20 cables. The bridge connects the multi-use pathway south of the SR 101L freeway to those on the north side of the freeway. The sidewalk and bike lanes travel underneath the one-way eastbound frontage road via new grade separation structures and over Loop 101 via the new bridge. The pathway then crosses the westbound frontage road via a new at-grade crossing which required modification to the sound walls and the installation of a new HAWK Signal to stop motorists when pedestrians push a button for crossing the road.

Ancillary improvements included drainage of the underpass area toward existing underground freeway drains, retaining walls, concrete bench seating lining the path, low water use landscaping, CCTV surveillance cameras, lighting, fencing, and other related work. The path, bridges, walls, benches, lighting, and fencing are colored and textured to reflect an overall artistic theme to match the existing landscape and other features. The paint was chosen to be integral and sun-resistant to fading. The \$2.7M Federally funded bridge is the first cable-stayed bridge in Arizona.

Tristar was the sole representative of ADOT and the City of Glendale on the project, and administered the project from beginning to end. Services included reviewing and approving shop drawings, processing all supplemental agreements, monthly estimates and contractor's payrolls. Tristar was also responsible for coordination between ADOT, the City of Glendale, the contractor, the designer, artists and other stakeholders. Additionally, the project required coordination between the SR 101L design-build contractor and resident engineer.

Tristar also oversaw the inspection of all aspects of the project including concrete landscaping and bridge inspection, especially the bridge welding, erection, and the tensioning of the cables.



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**5. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**

*(Present no more than five (5) projects. Complete one Section 5 for each project.)*

a. TITLE AND LOCATION <i>(City and State)</i> <b>US 160 Red Mesa to Teec Nos Pos Teec Nos Pos, Arizona</b>		b. YEAR COMPLETED	
		PROFESSIONAL SERVICES <b>5/2010 – 11/2010</b>	CONSTRUCTION <i>(If applicable)</i> <b>11/2011</b>
23. PROJECT OWNER'S INFORMATION			
c. PROJECT OWNER <b>Arizona Department of Transportation</b>	d. DOLLAR AMOUNT OF PROJECT <b>\$5,496,188.00</b>	e. TOTAL COST OF PROJECT <b>\$5,287,891.00</b>	

f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

Tristar performed construction administration and inspection services on this project, which is located near the Four Corners in northeast Arizona. This 28-mile project included milling of the existing pavement near the Port of Entry; extension of drainage pipes; replacing and lengthening guardrail; placement of a 2-inch A/C overlay and 1" AR-ACFC; placing pavement markings; rumble strips and other related work.



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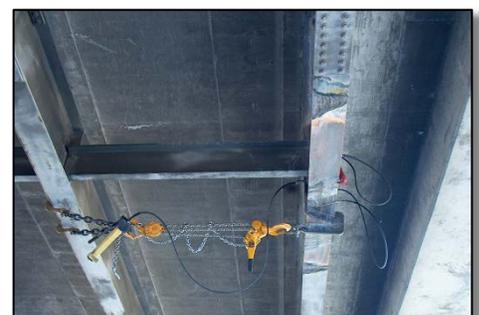
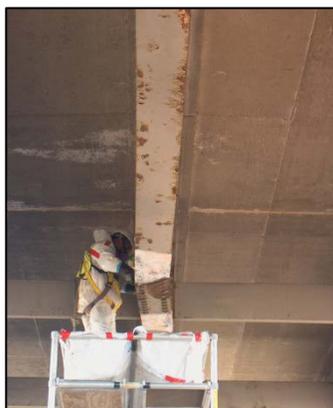
**5. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**

*(Present no more than five (5) projects. Complete one Section 5 for each project.)*

a. TITLE AND LOCATION <i>(City and State)</i> <b>Statewide Bridge Repair: Safford, Tucson, Holbrook, Kingman, Phoenix Districts, Arizona</b>		b. YEAR COMPLETED	
		PROFESSIONAL SERVICES <b>10/2010 – 4/2011</b>	CONSTRUCTION <i>(If applicable)</i> <b>4/2011</b>
23. PROJECT OWNER'S INFORMATION			
c. PROJECT OWNER <b>Arizona Department of Transportation</b>	d. DOLLAR AMOUNT OF PROJECT <b>\$633,000.00</b>	e. TOTAL COST OF PROJECT <b>\$937,000.00</b>	

f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

Tristar performed construction administration and inspection services on 11 bridge repair projects located throughout the State. The method for repair was primarily heat-straightening of steel bridge girders, with required spot improvements.



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5. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT		
<i>(Present no more than five (5) projects. Complete one Section 5 for each project.)</i>		
a. TITLE AND LOCATION <i>(City and State)</i>	b. YEAR COMPLETED	
<b>I-17 Pedestrian Bridge at CAP Phoenix, Arizona</b>	PROFESSIONAL SERVICES <b>3/2011 – 12/2012</b>	CONSTRUCTION <i>(If applicable)</i> <b>12/2012</b>
23. PROJECT OWNER'S INFORMATION		
c. PROJECT OWNER <b>Arizona Department of Transportation</b>	d. DOLLAR AMOUNT OF PROJECT <b>\$1.8M (Original Construction Budget)</b>	e. TOTAL COST OF PROJECT <b>\$1.9M (Final Construction Budget)</b>

f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

Tristar provided full-service construction management and inspection services on this signature 891-foot pedestrian bridge over I-17 north of Jomax Road and along the CAP canal and trail systems. This bridge links the Demm Hill Recreation area to the 3,000 acre Sonoran Preserve. This project was 95% federally funded and was administered by ADOT with the City of Phoenix as the ultimate owner of the bridge.

The bridge is a four-segment, weathered steel truss structure that was fabricated off-site and set in place during an extended overnight weekend closure of I-17.

The Bureau of Reclamation, Central Arizona Project and the City of Phoenix were key stakeholders.



6. ADDITIONAL INFORMATION

a. PROVIDE ANY ADDITIONAL INFORMATION YOU FEEL MAY BE NECESSARY TO DESCRIBE YOUR FIRMS QUALIFICATIONS. (ATTACH ADDITIONAL SHEETS AS NEEDED.)

Following this page is a brief statement of qualifications package for Tristar Engineering and Management, Inc. that provides a brief overview of our firm, our services, our staff, and projects that the firm has worked on.

7. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

a. Percentage of Total Work Attributable to State, Federal and Municipal Government Work:	100%
b. Percentage of Total Work Attributable to Non-Government Work:	0%

8. AUTHORIZED REPRESENTATIVE. The foregoing is a statement of facts.

Signature: 

Date: **December 12, 2013**

Name: **John Akin, PE**

Title: **President**

## OUR FIRM

**Tristar Engineering and Management, Inc. (Tristar)** is an Phoenix based professional consulting firm specializing in construction administration and inspection services. Our Team consists of many individuals who have previously worked for public agencies and who have many years of experience in construction management and inspection services on public works projects. Tristar's clients include the Arizona Game and Fish (administered through our Arizona Department of Administration contract), Arizona Department of Transportation (ADOT), Maricopa County Department of Transportation (MCDOT), the Cities of Glendale, Phoenix, and Yuma, Town of Gilbert, Yuma County, Southwest Gas, Freeport McMoran, Inc. and various consulting firms.

**Tristar** was established based on the principles and goals of providing professional construction management and inspection services to public agencies statewide. We are committed to delivering quality project and construction management services. Equally important, we believe that our client relationships are strengthened by the integrity and depth of knowledge of every Tristar professional that we assign to each project. This expertise, in turn, fosters our clients' confidence in us by reassuring them that their quality management program will be enforced.

### OUR CLIENTS

AZ Game & Fish  
ADOT  
City of Glendale  
City of Phoenix  
City of Yuma  
MCDOT  
Town of Gilbert  
Yuma County  
Southwest Gas  
Private  
Consulting Firms

## OUR SERVICES

- Construction Administration & Management
- Construction Inspection & Testing
- Materials Inspection & Field Testing
- Project Management & Coordination
- Construction Field Office Personnel
- Utility Coordination
- Constructability & Contract Document Review
- Bid Document Preparation
- Claims Assistance & Review

## CONTACT INFORMATION

### Tristar Engineering and Management, Inc.

10625 North 25<sup>th</sup> Avenue, Suite 103  
Phoenix, Arizona 85029-4789  
(602) 288-5594 / (602) 288-5592 (fax)

### Principals:

**John Akin, PE, President/ Senior RE**  
Cell (602) 568-4661

**Carlos Lara, PE, Vice President/ Senior RE**  
Cell (602) 768-4178

**Aziz Haddad, PE, Vice President/ Senior RE**  
Cell (602) 810-8680

## OUR PROFESSIONALS

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### MANAGEMENT TEAM

#### **John Patterson, PE (No. 21712) – Founder/CEO**

Mr. Patterson has more than 29 years of experience as a civil engineer and has a wide range of experience including construction management, project management, design, administration, and quality control/quality assurance. He spent ten years working for ADOT as an Area Construction Engineer where he supervised three field offices, overseeing the construction of projects totaling more than \$140M per year. John also served as the chairman of the Construction Survey Task Force that planned and reorganized the Phoenix District's Survey crews into their present-day arrangement.

#### **Steve Bruflat, PE (No. 16228) – Founder/Executive Vice President**

Mr. Bruflat has more than 40 years of experience in the design and construction of large-scale public works projects. He has an extensive background in street and highway engineering design and construction and construction administration on civil engineering projects. Steve spent 25 years of career as a Transportation Engineer with private consulting firms designing and managing transportation projects for the City of Phoenix, MCDOT, ADOT and private sector clients. Additionally, he has six years of experience as a consultant performing engineering studies analyzing the highway design and the traffic engineering features of existing roadway conditions and new roadway designs utilizing AASHTO, MUTCD, COP and ADOT standards.

#### **John Akin, PE (No. 30484) - President/Senior Resident Engineer**

Mr. Akin has more than 19 years of experience in the construction industry and was formerly a Senior Resident Engineer with ADOT. He has been with Tristar since 2004; at Tristar, he manages roadway and bridge construction projects for ADOT, MCDOT, numerous municipalities, and other consulting firms. He is a highly experienced Resident Engineer with expertise in managing, administering and overseeing the construction of bridges and roadways. Currently, John manages more than 20 construction technicians and has administered and/or performed oversight for more than a dozen Tristar projects, including alternative delivery projects such as CM@Risk.

#### **Carlos Lara, PE (No. 36232) – Vice President/Senior Resident Engineer**

Mr. Lara has more than 18 years of experience in the project management, construction administration, construction inspection, plan review, traffic analysis, utility coordination and roadway design of public projects statewide. Prior to Tristar, Carlos spent eight years with ADOT in the Yuma and Phoenix Districts and nearly three years with the City of Phoenix as a Civil Engineer III (Utility Coordination Supervisor). He has worked on many types of projects including highways, streets, bridges, freeway systems, pump stations, utility relocation, and other capital improvement program (CIP) projects in the Metropolitan Phoenix area. In the past four years, Carlos has been in responsible charge of roadway construction as Resident Engineer for projects totaling more than \$130M.

#### **Aziz Haddad, PE (No. 34581), CPESC - Senior Resident Engineer**

Mr. Haddad is experienced in the construction administration of projects involving transportation, bridges, utilities, rest areas and site development facilities. His experience in the construction management industry includes administration of contracts, project bids, scheduling personnel and equipment for projects, estimating and submitting cost analysis to clients, monitoring inspection activities and preparing progress estimates. Additional experience includes project staffing, preparation of supplemental agreements, inspection, materials testing, surveying and office supervision. Mr. Haddad's 29 years of experience includes 14 years with ADOT.



## **PROFESSIONAL ENGINEERS**

### **Corum Brown, PE (No. 55167), ACI, ATTI**

Mr. Brown has over 6 years of experience in the construction and engineering design fields. His construction experience includes projects for ADOT, MCDOT, and the Town of Gilbert, and he also has project design experience with the City of Mesa, ADOT and the Town of Gilbert. His experience in the field as an inspector, as well as his ADOT design experience provides him the skills and knowledge that are directly applicable to field assignments on highway, structure and roadway construction projects. Corum has inspected contractors' traffic control bid items, and has performed concrete and asphaltic concrete testing. Through his involvement on the SR 80 realignment project, Corum gained substantial knowledge of the complexities of highway construction.

### **Jose Miguel Rodriguez, PE (No. 54275), ACI**

Mr. Rodriguez has been with Tristar for 5 years during which he has worked on multiple high profile projects. His responsibilities have included project management, construction administration and inspection, materials coordination, plan review, traffic analysis and utility coordination. Jose has both a Bachelors and Master's degree in Civil Engineering Arizona State University. While he was in college, he worked at ADOT as an intern for three summers where he performed concrete and steel reinforcement tests; performed a variety of soil mechanics tests; and approved pre-cast products such as Mechanically Stabilized Earth (MSE) wall panels and concrete pipe. He was also a research assistant at ASU where he read and synthesized articles and journals on asphalt pavement; developed reliability based models for determining asphalt pavement performance; and conveyed work performed through written reports.

## **CHIEF INSPECTORS / PROJECT SUPERVISORS**

### **Tom VanNess, ACI, ATTI, NICET IV**

Mr. VanNess has more than 28 years of experience in the construction inspection and administration of urban bridges and roadways. He started at ADOT in 1985 as a Transportation Construction Technician, was later promoted to Transportation Quality Control Specialist, and finally advanced to a Transportation Engineering Specialist where he spent nine years before retiring. He has a thorough knowledge of MAG and ADOT standards, as well as construction policies, procedures and documentation. Tom is also very familiar with OSHA and ADOSH requirements which assure that a safe work site is maintained. His experience also includes staffing major highway construction projects; writing supplemental agreements; and coordinating activities with local municipalities.

### **John Prather, ACI, ATTI**

Mr. Prather has more than 34 years of experience in the construction industry, most of which was spent as a Transportation Engineer Specialist and Project Supervisor for ADOT. His career with ADOT also included working in the capacity of Transportation Construction Tech Supervisor, Transportation Construction Survey Supervisor and team leader, and engineering aide. During his tenure with ADOT, John oversaw the construction of many bridges, which included the supervision of multiple structures, earthwork, Portland cement concrete pavement (PCCP) paving, box culverts and underpasses. His responsibilities also included tracking and paying for pay items, writing and negotiating change orders, working with designers, and overseeing manpower to complete all inspection requirements.

### **George Bernal, ACI, ATTI**

Mr. Bernal has over 20 years of highway construction experience, including 11 years with the Arizona Department of Transportation (ADOT) and 6 years with a local heavy highway general contractor. Over



the years, he has worked on various construction projects (new and reconstruction) of freeways, bridges, drainage and utility systems. He has experience with Design-Bid-Build and Design-Build delivery methods. His inspection and testing experience includes earthwork, pipe, PCCP, asphaltic concrete, minor and major concrete structures.

**Robert Webb, ACI, ATTI**

Mr. Webb has over 35 years of experience in transportation construction, 30 years of which he spent with ADOT as a Transportation Engineering Specialist. In this role, he assisted Resident Engineers on multiple highway construction projects, including daily inspections, verifying project compliance with plans and specifications, writing contract change orders, making monthly progress and final payments. crew assignments and coordinating construction with agencies, municipalities, utilities and law enforcement. His experience also includes working as a Project Development Technician, during which he performed constructability reviews on project plans, met with various disciplines and design consultants, utilities and adjacent municipalities to review potential project changes.

**Tom Pigg, ACI, ATTI**

Mr. Pigg has more than 34 years of experience in the construction industry, 17 of which he spent at ADOT in various capacities including lead inspector, construction technician, office manager, construction technician supervisor and transportation engineering specialist. He has managed the construction of numerous large-scale bridge and roadway projects, including ADOT's first construction manager at risk (CMAR) project. Tom is highly experienced in all aspects of construction administration, including managing supplemental agreements, verifying plans and specifications, conducting field tests, preparing final documentation and field records and reviewing and approving purchases, pay estimates, field documentation, and change orders. His experience includes inspection of grade work, field tests, drilled shaft caissons, form and rebar, concrete, girder and false work, milling and overlay, box culverts and water line installations. Mr. Pigg is a champion of ADOT's partnering process and works with all parties to efficiently resolve issues.

**LEAD INSPECTORS****Pete Josephson, ACI, ATTI**

Mr. Josephson has 29 years of experience in the construction industry. He has worked on a wide variety of projects including freeways, highways, urban arterials, airports, railroads, utilities, bridges and land surveying projects. Previously, he served as a survey crew chief for four years performing construction staking for highways, subdivisions, boundaries and lot surveys. He then began working in construction management, completing the required training to become a lead inspector. As a lead inspector, Pete's responsibilities have included inspections, documentation of the contractors work, tracking of quantities, review of pay estimates, oversight of contractors QC and traffic control measures and attending weekly meetings.

**Randy Gorman, ACI, ATTI, NICET III**

Mr. Gorman has more than 36 years of experience supervising state- and Federally-funded projects, while ensuring contractor compliance with plans and specifications. His experience includes review of contractor reports, payment requests and materials testing procedures in accordance with AASHTO and ASTM standards. He has provided structures and paving inspection for ADOT and was a key member of the team that was awarded the Marvin M. Black Partnering Award in the Kingman District for the Andy Devine Boulevard reconstruction project.



**Jason Lee, ACI, ATTI**

Mr. Lee has more than 18 years of experience in the construction industry. His experience includes field and lab testing for concrete, asphalt, and soils. He previously worked as the Quality Control Manager for an asphalt paving contractor overseeing quality testing for several projects in Arizona and New Mexico. Jason has experience with asphalt paving according to various agency specifications including the ADOT, MCDOT and others.

**Dee Goodwin, ACI, ATTI**

Mr. Goodwin has more than 48 years of experience working in many areas of highway construction. As a former ADOT employee, he possesses an unsurpassed knowledge of policies and procedures regarding construction of roadway and related items within ADOT's Right of Way. His vast experience includes review and construction oversight of ADOT Permits, Construction Engineering Manpower Management Systems (CEMMS), field inspection, rest area construction, review and approval of temporary traffic control and surveying.

**Donald Keller, ACI, ATTI**

Mr. Keller has more than 34 years of experience in various facets of highway construction. He is a former ADOT employee, retiring from there as a Transportation Quality Control Technician IV. Don has experience supervising and performing inspection, testing and surveying on highway projects statewide. He is very knowledgeable with the inspection of earthwork, storm drains, sewer pipe, waterlines, structures, PCCP and AC paving; and he has provided inspections training for other staff. Additionally, he has extensive survey experience having spent five years as a Transportation Construction Survey Team Leader and five years as a Transportation Construction Survey Supervisor.

**Steve Tischler, ACI, ATTI, IMSA, NICET IV**

Mr. Tischler has 34 years of experience in the transportation construction industry, 27 of which he spent with ADOT. He has experience in virtually all aspects of construction including inspection, lab, survey, office, electrical, and maintenance of Arizona's roads and bridges. He is a seasoned inspector who has served in a variety of construction roles during his career. His broad experience gives him a unique perspective for understanding the complexities of roadway and bridge construction. Steve's focus is always to produce the highest quality of construction for the taxpayers of Arizona.

**FIELD INSPECTORS****Bill Byerly, ACI, ATTI**

Mr. Byerly has over 40 years of experience in the construction industry and has a diverse background in transportation-related projects from survey, to inspection, to sampling and testing of construction materials, to oversight of contractor's traffic control for large and small projects. Retired after 26 years with ADOT, Bill has experience inspecting roadway items such as concrete structures, asphalt paving, temporary and permanent traffic control as well as other roadway safety features. At Tristar, he has worked on various urban projects within the Phoenix Metropolitan Area.

**Jose Camacho, ACI, ATTI**

Mr. Camacho is an experienced construction inspector with more than 33 years of experience in the construction of urban freeways in Arizona. He spent 19 years with ADOT where he served as a Construction Inspector, Materials Coordinator and Surveyor. As a Materials Coordinator he was responsible for verifying the quality of all materials; entering information into required FAST databases; and managing documentation for material quality to and from the contractor. The majority of his ADOT experience involved field inspection and material testing for urban freeways in the



Phoenix Metropolitan Area, mainly on the I-17, SR 51 and SR 101L Pima Freeway. Mr. Camacho has experience with design-bid-build and design/build construction projects.

### **David Montgomery, ACI, ATTI, ICC**

Mr. Montgomery has more than 25 years of experience in field inspection, project documentation and field and laboratory testing of asphalt, soils, concrete, grout and mortar. He has performed special inspections for reinforced concrete, structural masonry, post tensioning, high strength bolts and fire proofing. For the past three years, he has worked as an ADOT Consultant Inspector. During that time, he has gained extensive experience in the inspection of materials being used on various projects, keeping track of pay items and force accounts. David also has experience performing hot plant inspection, approving/rejecting Asphalt Rubber Mix (ARAC) at the grade, and inspecting and documenting paving operations such as tack coat and ARAC.

### **Mark Chamberlin, ACI, ATTI**

Mr. Chamberlin has more than 13 years of experience in the construction industry. His experience includes utility coordination, inspecting sewer, water, storm drain, curb and gutter, sidewalk, paving, guardrails, earthwork, milling, hot plant, permanent signs and roundabout construction. Mark is also experienced in testing soils, aggregates, concrete and asphalt. Since joining Tristar in 2004, he has provided construction inspection and testing services for various ADOT projects located throughout the State, many of the projects have been in Northern Arizona.

### **Daniel Barton, ACI, ATTI**

Mr. Barton has more than 8 years of experience in the construction industry. He began his career as a Welder Mechanic and Heavy Equipment Operator and is very knowledgeable about heavy equipment operations and maintenance. His construction inspection experience includes field inspection, materials sampling and density testing. His experience in welding becomes beneficial in the inspection of construction items such as rebar. Prior to joining Tristar, Dan acquired experience in arc welding, torch cutting, material moisture sampling, dust control and smog control and received CPR and Minors Safety Hazard Awareness standards training.

## **ELECTRICAL INSPECTORS**

### **Jon Nelson, ACI, ATTI, IMSA**

Mr. Nelson has more than 37 years of supervisory and management experience on a variety of projects. He has excellent analytical and communication skills and has a proven ability to resolve issues by working with the contractor and project proponent to develop and institute innovative solutions. Jon has comprehensive construction inspection expertise, including PCCP, asphaltic concrete pavement, underground and overhead utilities, major and minor concrete structures, signage, lighting, striping, earthwork, drainage, fiber optic communication systems, highway lighting, traffic signal and electrical systems.

### **Jonathon VanNess, ACI, ATTI, IMSA**

Mr. VanNess has more than 11 years of experience in the construction industry, five of which he spent at ADOT. He has performed a variety of technical inspections related to highway construction and possesses a diversity of knowledge. While with ADOT, Jonathon served as a Lead Inspector for large statewide fiber optic projects. He inspected and appropriately paid for fiber optic splice closures, termination panels and transceivers, conduit runs and pull boxes, electrical conductors, loop His inspection responsibilities include oversight of quality control efforts, survey bench marks, earthwork, bases, PCCP, AC, concrete structures and reinforcing steel and verification of testing results, quantities, and material placements in accordance with specifications.



## **FIELD OFFICE ADMINISTRATORS**

### **Katherine Aragon**

Ms. Aragon has over 19 years of experience in the construction industry, first as a Field Inspector and later as construction office technician. She spent 15 years of her career at ADOT as a Field Inspector and Office Administrator. In these roles she has been responsible for monthly estimate documentation and transmittal compilation, Certified Payrolls, she also assisted with project final and closeout and has been responsible for various other office responsibilities such as office procurement and employee payroll. She is very proficient in most office software and ADOT's construction software. She played a key role in the development of the electronic bidding process and served as a software tester in the automation of the daily diary software (ADOT's PEN application).

### **Rosary Cruz**

Ms. Cruz is a construction Field Office Administrator with 12 years of construction field office and general administrative experience. She has worked on several projects (Federal and state funded) for ADOT. While on assignment to various ADOT projects, Rosary has assisted with monthly estimate documentation; pay item documentation and reconciliation; verification and tracking of certified payrolls; force account documentation and transmittal compilation; project final and closeout; and various other field office administrative responsibilities. She is proficient with ADOT's software programs such as CPE, PEP, SATS, LCPTracker and a variety of FAST applications.

### **Jacquelin Manzanares**

Ms. Manzanares is a construction office technician with seven years of construction field office and general administrative experience. She has worked on several ADOT projects and is very familiar with the ADOT's processes and procedures for construction field offices. Her field office experience includes payroll verification utilizing LCP Tracker and encompasses Davis Bacon Compliance, DBE Compliance, on-the-job training, and preparing field reports. She also has experience processing monthly invoices; monitoring Supplemental Agreements and Force Account entry and monitoring; distribution of plans, specials, and addendums; assisting with equipment maintenance scheduling; performing verification and tracking of asphalt and tack quantities, including hot plant reports; entering weekly timesheets for employees; and coordinating certifications and invoices for payment requests.

### **Shea Bowser**

Ms. Bowser is an entry level Field Office Assistant who has proficient skills and the ability to learn quickly as demonstrated by her early graduation from high school. She has a positive attitude as well as outstanding people, writing and communication skills. She is proficient in various computer software programs including various ADOT programs and is an eager learner who is flexible, dependable, honest and whose positive "can do" attitude will be a great addition to any team. She recently worked as an Field Office Assistant for the \$42M Northern Parkway project.



## PROJECT EXPERIENCE

### **Arizona Game & Fish Department, Black Canyon Lake Dam Improvements (Task 1, 2 and 3 under Tristar's ADOA Annual Professional Services Contract)**

Tristar provided on site construction inspection and materials testing services for this improvements project. The project included earthwork inspections, concrete testing and general inspection of the contractor's work and documentation of the work through daily dairy records.



### **ADOT, On-Call Temporary Technical Construction Services (Prime Contracts 2003-2007; 2007-2011; 2011-Present)**

Tristar provides inspection services on an individual assignment basis to supplement ADOT staff statewide. Tristar has completed more than 450 individual task assignments throughout the State for inspection, office and resident engineer roles during the past three contracts dating back to 2003. Inspectors' skills are required to be diverse to match the varying complexity of any project assignment. The minimum requirements for any inspector on assignment includes a thorough understanding of ADOT's standards and specifications; comprehensive communication skills with contractors, third-party stakeholders and agency personnel; and a comprehensive awareness of various construction methods. Projects range from multi-use pathways that include small drainage improvements with curb, gutter, sidewalk and paving, to highly complex, multi-phased urban freeway projects. Inspectors are assigned to projects for both short term assignments and long-term assignments.

### **ADOT On-Call Construction Administration, Statewide (2004 – 2008; 2008 – 2013, 2013 – Present)**

Tristar was selected by ADOT for this contract based on our experience with Federally-funded projects, expertise in construction administration and knowledge of ADOT's policies and procedures. The contract covers projects with construction budgets of up to \$10M, the complexity of the project can range from a local government pedestrian bridge that is Federally funded (where the local agency is not certified by ADOT to administer their own Federal projects); to an urban freeway auxiliary lane addition; to a rural highway safety improvement project; and everything in-between. Example projects we have completed are provided below:

- **I-10, East Benson-Johnson Road**

Tristar performed construction administration and inspection services for this project which is located in Cochise County just east of Benson. It begins at MP 307.9 and extends east for 14 miles. The project includes milling of the existing pavement and placement of AC ¾" End Product, Special Mix and AR-ACFC; milling and filling various locations to improve the smoothness of the roadway; extension of three concrete box culverts; removing and replacing guardrail; placing pavement markings; rumble strips and other related work.

- **US-160, Red Mesa to Teec Nos Pos (near Four Corners in northeast AZ)**

Tristar performed construction administration and inspection services for this project. This 28-mile project included some milling of the existing pavement near the Port of Entry; extension of drainage pipes; replacing and lengthening guardrail; placement of a 2-inch A/C overlay and 1" AR-ACFC; placing pavement markings; rumble strips and other related work.



▪ **SR 101L, 63<sup>rd</sup> Avenue Pedestrian Bridge, Glendale, Arizona**

This \$2.5M Federally funded cable-stayed bridge is 260 feet long and spans SR 101L on 63<sup>rd</sup> Avenue. The bridge, which is the first cable stay bridge in Arizona, weighs 198 tons and is supported by 20 cables. Tristar was the sole representative of ADOT and the City of Glendale on the project, and administered the project from beginning to end. Services included reviewing and approving shop drawings, processing all supplemental agreements, monthly estimates and contractor's payrolls. Tristar was also responsible for coordination between ADOT, the City of Glendale, the contractor, the designer, artists and other stakeholders.



Additionally, the project required coordination between the L101 design-build project contractor and resident engineer. Tristar also oversaw the inspection of all aspects of the project including concrete landscaping and bridge inspection, especially the bridge welding, erection, and the tensioning of the cables.

▪ **Statewide Bridge Repair: Safford, Tucson, Holbrook, Kingman, Phoenix Districts**

Tristar performed construction administration and inspection services for this project which included ten separate locations for bridge repair across the state. The method for repair was primarily heat-straightening of steel bridge girders, with other spot improvements that were required.

▪ **I-17 Pedestrian Bridge at CAP**

Tristar provided full-service construction management and inspection services on this signature 891-foot pedestrian bridge over the I-17 north of Jomax Road and along the CAP canal and trail systems. This bridge links the Demm Hill Recreation area to the 3,000 acre Sonoran Preserve. The project was 95% federally funded and was administered by ADOT with the City of Phoenix as the ultimate project owner. The bridge is a four-segment, weathered steel truss structure that was fabricated off-site and set in place during an extended overnight weekend closure of I-17.



**City of Phoenix Development Services Department, On-Call Field Inspections for Construction Projects, (2004-2006; 2006-2008; 2010-2012; 2012-Present)**

Tristar was selected by the City of Phoenix Development Services Department to provide inspectors to perform field permit inspection services for development services projects within the City of Phoenix. The inspection work consists of permit inspections for sewer, water, curb and gutter, sidewalk, utilities (gas, CATV, fiber optic, phone), parking lots, asphalt paving, landscape irrigation, landscape planting and miscellaneous construction items associated with each of the civil-site permit. Tristar's inspectors report directly to City Supervisors as an extension of their staff and manage multiple permits at a time for commercial and residential development projects. Some of the projects that Tristar's inspectors have worked on include:

- Laveen Meadows - 7<sup>th</sup> Avenue and Baseline
- Laveen Ranch - 67<sup>th</sup> Avenue and Southern



- Sienna Vista - 71<sup>st</sup> Avenue and Lower Buckeye
- Roger Ranch - 51<sup>st</sup> Avenue and Baseline
- Laveen Crossing - 51<sup>st</sup> Avenue and Baseline
- Stetson Valley (1,000 homes) at Happy Valley Road and 51<sup>st</sup> Avenue
- 35<sup>th</sup> Avenue and Deer Valley Road - Small Town Home Development
- Pinnacle Peak & 35<sup>th</sup> Avenue - Single Family Homes
- 51<sup>st</sup> Avenue and Beardsley Commercial Development

### **ADOT, I-17, Union Hills Road to Jomax Road, Phoenix, AZ**

Tristar provided full-service construction administration, inspection and field testing services for this \$70M, four-mile widening project on I-17. Planned for two major construction phases after an initial phase to establish work zones, Phase 1 paved the existing median with PCCP. Phase 2 moved traffic into the median and paved the outside lanes with PCCP, and was followed with an AC Rubber overlay on the whole the corridor. This project upgraded I-17 from two lanes in each direction to a system with an HOV lane, three through lanes and auxiliary lanes in each direction. In addition, the bridge over Deer Valley Road was replaced with a new bridge, I-17 bridges over SR 101L were widened and new ramp connections for SR 101L ramps to northbound I-17 were added to reduce traffic congestion.



***This project received the 2010 Arizona Transportation Partnering Excellence Award.***

### **MCDOT, MC-85 and Baseline Road Intersection Improvements, Buckeye, AZ**

Tristar provided CM and inspection services for the construction of this newly signalized intersection and roadway widening project. One additional lane was added in all four directions of this intersection, including ADA compliant sidewalk ramps and driveways. Drainage improvements for stormwater runoff were also provided and the project required significant coordination with two restaurants immediately adjacent to this intersection.

### **MCDOT, Meeker Boulevard & Wilson Way Intersection Improvements, Sun City West, AZ**



Tristar provided construction administration and inspection services for this intersection improvement project that was a Job Order Contract that converted Wilson Way to a signalized intersection with Meeker Boulevard. This project required significant coordination with the nearby grocery shopping and retail center while maintaining traffic ingress/egress. Small retaining walls were required to fit the new sidewalk ramps within the existing right of way because of the large grade differences that resulted due to the roadway widening.

### **City of Glendale, Bell Road Improvements, 59<sup>th</sup> to 69<sup>th</sup> Avenues, Glendale, AZ**

Tristar provided CM and inspection services for intersection and roadway improvements along Bell Road. Intersection work included new traffic signal detection devices, reconstruction of sidewalks and driveways to ADA standards, mill and replace asphalt pavement, manhole and valve cover adjustments. The work was all completed during the night time hours and the project was completed one week early of the planned 75 days.



### **Town of Gilbert, Greenfield Road / Warner Road Basin & Improvements, Gilbert, AZ**

Tristar provided project management and construction management services for the Town of Gilbert for the Greenfield Road / Warner Road intersection improvement project. A new storm water basin was constructed at the northwest corner, and included new landscape irrigation, contouring and planting for a future pedestrian park that will be constructed for the benefit of pedestrians and bicyclists using the SRP Canal pathway that crosses through the projects limits. Warner Road was widened to match previous widening improvements to the east and west of the project. Greenfield Road was also widened to match previous construction. A new 24-inch diameter reclaimed water pipeline was installed from Knox to Warner (½ mile), a new fiber-optic signal interconnect was installed from Knox to the north end of the project (¾ mile) and significant utility conflicts required extensive coordination for their relocation. The existing roadway lighting was reconstructed and integrated into the relocation of the overhead power to underground to match previous construction in all directions.

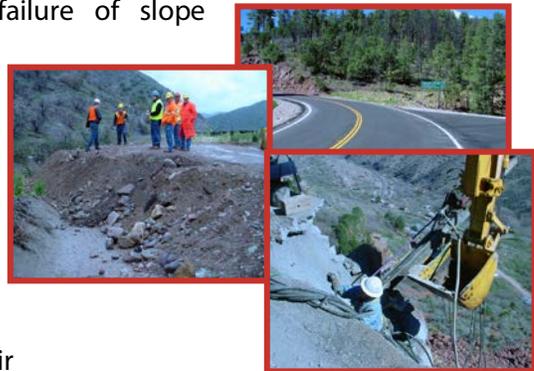


Tristar’s responsibilities included project management to complete design and utility coordination, bid document preparation, providing assistance with contractor bid evaluations, contract administration, construction inspection, and coordinating project efforts with Town staff.

### **ADOT, Emergency Repair Projects, Various Locations, AZ**

As a sub-consultant, Tristar provided inspection services and effectively responded to ADOT’s needs for emergency repair of roadway and structures construction on ADOT projects. Projects ranged from damaged roadways due to a tanker fuel spill to failure of slope stabilization. Projects that Tristar assisted ADOT on, to complete in short time frames, include:

- SR 87, Emergency Slope Stabilization
- US 191, MP 220.9, Emergency Roadway Reconstruction, South of Alpine, Arizona
- US 93, MP129.4, Emergency Roadway Sinkhole Repair, South of Wikieup, Arizona
- US 89A, MP 343.7, Emergency Retaining Wall Repair



### **SR 101L Sound Walls, 59<sup>th</sup> to 67<sup>th</sup> Avenues, Glendale, AZ**

Tristar provided construction inspection for the installation of sound walls along SR 101L from 59<sup>th</sup> Avenue to 67<sup>th</sup> Avenue. The City of Glendale had the responsibility to mitigate sound from the ADOT SR 101L along the mainline freeway and the eastbound and westbound frontage roads. The construction included installing masonry block sound walls between the mainline freeway and the frontage roads. The infield drainage system was modified to accommodate the new grading for the wall installation. Existing landscape was also replaced along both sides of the walls.

### **East Main Canal Multi-Use Path, Yuma, AZ**

Tristar provided plan review and assisted the City of Yuma with bid document preparation and construction cost estimates, construction management and inspection for an inner-city multi-use path project that traverses through the Yuma Crossing Historic Park. The scope of work for construction included grading and asphalt paving for a 14-foot wide path that also included overhead lighting provided by specialty luminaries, landscaped areas with rest areas and kiosks.



**MCDOT, Cotton Lane Bridge over the Gila River - MC 85 to Estrella Parkway, Goodyear, AZ - CM@Risk**

Tristar provided complete contract administration and construction oversight for MCDOT's first CM@Risk project, which was the County's largest single transportation infrastructure construction project with an estimated construction cost of nearly \$50.8M.



The primary purpose of the project was to provide additional all-weather access across the Gila River. The project included a new roundabout intersection for Cotton Lane with Estrella Parkway; a new six-lane, 2,060-foot, 17-span AASHTO Type VI Girder Bridge over the Gila River; a new single-span bridge over the Buckeye Water Conservation and Irrigation District Canal; and a new signalized intersection for Cotton Lane and MC-85 that will accommodate three lanes, dual left-turn lanes and dedicated right-turn lanes in all directions.

Tristar's responsibilities included complete construction administration and inspection of all roadway, bridge, channelization, electrical and signal construction. Tristar was also responsible for all project documentation, tracking and verifying contractor payments, tracking and reviewing shop drawings and related submittals and oversight of the quality assurance program for materials sampling and testing.

**Ocean to Ocean Highway, Historic Colorado River Bridge Rehabilitation, Yuma, AZ**

Tristar provided project management, construction administration and acceptance testing for this historic bridge rehabilitation project.



This bridge is on the list of National Register of Historic Places and was granted Federal money for improvements. The bridge was constructed in 1915, providing a significant link to Arizona and California via the Colorado River. After many years of traffic, it had lost its structural integrity and was condemned to vehicle traffic in 1988 and limited to pedestrian traffic only. After a joint partnership with ADOT, the Federal government, Yuma County, the Bureau of Indian Affairs and the State of California, the bridge reopened in 2002 allowing one-way vehicle traffic to cross,

along with upgraded pedestrian walkways.

The construction included bridge deck replacement, new bridge barrier, truss bearing modifications, new steel grating for sidewalks, watertight deck joints, traffic signals (to regulate one-way vehicle traffic on each side of bridge) and miscellaneous related items. Environmental mitigation concerns regarding vegetation, birds, wildlife and endangered species along the Colorado River was taken into consideration during construction.