



ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:  
ADSP015-00004729

STATE PROCUREMENT OFFICE  
Department of Administration  
100 North 15<sup>th</sup> Avenue, Suite 201  
Phoenix, Arizona 85007

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

1. Annual Request for Qualifications

a. FIRM (OR BRANCH OFFICE ) NAME:	Premier Engineering Corporation
b. FIRM (OR BRANCH OFFICE) STREET:	6437 W. Chandler Boulevard, Suite 1
c. FIRM (OR BRANCH OFFICE) CITY:	Chandler
d. FIRM (OR BRANCH OFFICE) STATE:	AZ
e. FIRM (OR BRANCH OFFICE) ZIP CODE:	85226
f. YEAR ESTABLISHED:	1995
(g1). OWNERSHIP - TYPE:	S Corporation
(g2). OWNERSHIP - SMALL BUSINESS STATUS:	M/D/SBE and SBA 8(a)
h. POINT OF CONTACT NAME AND TITLE:	C. Gnananasambanthan (CG), PE, President
i. POINT OF CONTACT TELEPHONE NUMBER:	(480) 829-6000
j. POINT OF CONTACT E-MAIL ADDRESS:	cg@pre-engr.com
k. NAME OF FIRM (If block 1a is a branch office):	







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**4. Resumes of Key Personnel Proposed for this Contract** (Complete one Section 4 for each key person.)

a. NAME <b>C. Gnanasambanthan (CG), PE, SE</b>		b. ROLE IN THIS CONTRACT <b>Project Principal</b>		c. YEARS EXPERIENCE	
				1. TOTAL <b>31</b>	2. WITH CURRENT FIRM <b>19</b>
d. LOCATION (City and State) <b>PREMIER ENGINEERING CORPORATION, Chandler, AZ</b>					
e. EDUCATION (DEGREE AND SPECIALIZATION) <b>MS - Structural Engineering; BS - Civil Engineering</b>			f. PROFESSIONAL TRAINING - REGISTRATIONS <b>AZ Civil #21686; AZ Structural #26023</b>		
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) CG is the President of Premier and has 31 years of extensive civil and structural engineering experience in the design of pavements, bridges, earth retaining structures and noise/retaining walls. CG has served as Project Principal on the majority of public works projects completed by Premier and has full authority to commit the necessary resources for the successful completion of projects.					

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION (City and State) <b>ADOT On-Call Statewide and Local Government Project Design Statewide, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2014</b>	Construction (if applicable) <b>n/a</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Principal.</b> Premier is currently serving as one of Arizona Department of Transportation's (ADOT) Local Governments On-Call consultants, highlighting our continuous involvement in federally-funded local projects. Premier has been awarded 11 task orders to date including widening 8 <sup>th</sup> Avenue in Graham County to a four-lane section, reconstruction of a three legged intersection at 8 <sup>th</sup> Avenue, Airport Road and Safford-Bryce Road with a roundabout; and the reconstruction of the existing Graham Canal Road "T" intersection.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION (City and State) <b>Camelback Road Pedestrian Underpass Phoenix, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2006</b>	Construction (if applicable) <b>2007</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Principal/Project Manager.</b> Premier prepared a Design Concept Report (DCR) and Environmental Determination Report (EDR) for this highly visible and complex project in the most prestigious business neighborhood in Phoenix. After a preliminary evaluation of alternatives, the underpass option with an aesthetically enhanced plaza at each entrance was recommended. The City requested that Premier complete the Final Design of the recommended alternative.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION (City and State) <b>Sonoran Boulevard: 15<sup>th</sup> Avenue to Cave Creek Road Phoenix, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2010</b>	Construction (if applicable) <b>2013</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Principal.</b> Premier was the Lead Consultant for Preliminary Design Services for this 6.89-mile project and provided Final Design Services for the 2.4-mile Central Segment. Our scope of services included survey, right-of-way maps, hydrological and hydraulic analysis, culverts and storm drain system design, floodplain/floodway analysis, CLOMR/LOMR application and permitting, environmental/archeological investigation, Section 404 analysis, landscaping, geotechnical explorations and post-design services.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION (City and State) <b>Light Rail Transit (LRT) Park-and-Ride (PNR) Facilities Phoenix, Tempe and Mesa, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2007</b>	Construction (if applicable) <b>2008</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Principal.</b> Premier, as the primary subconsultant, was responsible for the design of seven surface PNR facilities as part of the 20-mile section of the Central Phoenix/East Valley Light Rail Transit System project. Four facilities are located in the City of Phoenix, two in the City of Tempe and one in the City of Mesa. A combined total of 3,348 standard, American Disabilities Act (ADA)-compliant, kiss-and-ride parking stalls were designed by maximizing the layout at each location.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION (City and State) <b>SR303L: Waddell Road to Mountain View Boulevard (Segment 6) Surprise, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2011</b>	Construction (if applicable) <b>2013</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Principal.</b> Premier prepared the Plans, Specifications & Estimates (PS&E) for the 3.5-mile State Route (SR) 303L (Estrella Freeway) segment beginning at Waddell Road and ending at Mountain View Boulevard. The structural scope included the design of a new two-span cast-in-place post-tensioned concrete box girder bridge at the Greenway Road Traffic Interchange. The total length and out-to-out width of this underpass structure are 280 feet and 149 feet respectively. In addition, Premier was responsible for the final design of 487,000 square feet of retaining walls and sound walls along the project.	<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>Fadi Jalaghi, PE, SE</b>	b. ROLE IN THIS CONTRACT <b>Project Manager &amp; Lead Structural Engineer</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>29</b>	2. WITH CURRENT FIRM <b>16</b>

d. LOCATION (City and State) **PREMIER ENGINEERING CORPORATION, Chandler, AZ**

e. EDUCATION (DEGREE AND SPECIALIZATION)

**MS - Structural Engineering; BS - Civil Engineering**

f. PROFESSIONAL TRAINING - REGISTRATIONS

**AZ Civil #24338; AZ Structural #24472**

g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.)

Fadi has 29 years of professional engineering experience in project management, design and construction of various types of bridges, special highway structures, earth retaining structures, sound walls and buildings. He has managed and coordinated a number of final bridge design and transportation related projects for ADOT, Maricopa County Department of Transportation (MCDOT), City of Phoenix and other local agencies. He is a certified bridge inspector and has performed hundreds of in-depth inspections on all types of bridges across the state.

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION (City and State) <b>ADOT On-Call Statewide and Local Government Project Design Statewide, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2014</b>	Construction (if applicable) <b>n/a</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Manager.</b> Premier is currently serving as one of ADOT's Local Governments On-Call consultants, highlighting our continuous involvement in federally-funded local projects. Premier has been awarded 11 task orders to date including widening 8 <sup>th</sup> Avenue in Graham County to a four-lane section, reconstruction of a three legged intersection at 8 <sup>th</sup> Avenue, Airport Road and Safford-Bryce Road with a roundabout; and the reconstruction of the existing Graham Canal Road "T" intersection.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION (City and State) <b>Camelback Road Pedestrian Underpass Phoenix, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2006</b>	Construction (if applicable) <b>2007</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Manager (Final Design)/Lead Structural Engineer.</b> Premier prepared a DCR and EDR for this highly visible and complex project in the most prestigious business neighborhood in Phoenix. After a preliminary evaluation of alternatives, the underpass option with an aesthetically enhanced plaza at each entrance was recommended. The City requested that Premier complete the Final Design of the recommended alternative.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION (City and State) <b>7<sup>th</sup> Street; Carefree Highway to Desert Hills Maricopa County, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2006</b>	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Lead Structural Engineer.</b> 7 <sup>th</sup> Street was improved to a minor arterial road with bicycle lanes, through lanes in each direction plus a continuous two-way turn lane without sidewalks. A Preliminary Design Technical Memorandum (PDTM) was prepared and based on the recommendations in the PDTM, Premier completed the design to 40%. Services included project management, survey, mapping, drainage, roadway, traffic and structural design; right-of-way, utility relocation and public involvement.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION (City and State) <b>Light Rail Transit (LRT) Park-and-Ride (PNR) Facilities Phoenix, Tempe and Mesa, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2007</b>	Construction (if applicable) <b>2008</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Structural Design Engineer.</b> Premier, as the primary subconsultant, was responsible for the design of seven surface PNR facilities as part of the 20-mile section of the Central Phoenix/East Valley Light Rail Transit System project. Four facilities are located in the City of Phoenix, two in the City of Tempe and one in the City of Mesa. A combined total of 3,348 standard, ADA-compliant, kiss-and-ride parking stalls were designed by maximizing the layout at each location.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION (City and State) <b>SR303L: Waddell Road to Mountain View Boulevard (Segment 6) Surprise, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2011</b>	Construction (if applicable) <b>2013</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Structural Engineer.</b> Premier prepared the PS&E for the 3.5-mile State Route (SR) 303L (Estrella Freeway) segment beginning at Waddell Road and ending at Mountain View Boulevard. The structural scope included the design of a new two-span cast-in-place post-tensioned concrete box girder bridge at the Greenway Road Traffic Interchange. The total length and out-to-out width of this underpass structure are 280 feet and 149 feet respectively. In addition, Premier was responsible for the final design of 487,000 square feet of retaining walls and sound walls along the project.	<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>Kim Boyd, PE, LEED AP®</b>	b. ROLE IN THIS CONTRACT <b>Roadway Engineer &amp; Utility Coordinator</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>19</b>	2. WITH CURRENT FIRM <b>11</b>

d. LOCATION (City and State) **PREMIER ENGINEERING CORPORATION, Chandler, AZ**

e. EDUCATION (DEGREE AND SPECIALIZATION)  
**BS - Civil Engineering**

f. PROFESSIONAL TRAINING - REGISTRATIONS  
**AZ Civil #32837**

g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.)  
Kim has 19 years of experience in civil engineering design. She performs engineering, project administration and client coordination for a variety of projects including roadways, parking lots, academic and park facilities, commercial and residential developments. Her technical expertise includes grading/drainage, erosion control, utility systems and pavement design, project specifications, site development, cost estimating and project bid and award assistance.

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION (City and State) <b>ADOT On-Call Statewide and Local Government Project Design Statewide, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2014</b>	Construction (if applicable) <b>n/a</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Roadway Engineer.</b> Premier is currently serving as one of ADOT's Local Governments On-Call consultants, highlighting our continuous involvement in federally-funded local projects. Premier has been awarded 11 task orders to date including widening 8 <sup>th</sup> Avenue in Graham County to a four-lane section, reconstruction of a three legged intersection at 8 <sup>th</sup> Avenue, Airport Road and Safford-Bryce Road with a roundabout; and the reconstruction of the existing Graham Canal Road "T" intersection.	<input checked="" type="checkbox"/> Check if project performed with current firm	
2.	(1) TITLE AND LOCATION (City and State) <b>Camelback Road Pedestrian Underpass Phoenix, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2006</b>	Construction (if applicable) <b>2007</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Design Engineer.</b> Premier prepared a DCR and EDR for this highly visible and complex project in the most prestigious business neighborhood in Phoenix. After a preliminary evaluation of alternatives, the underpass option with an aesthetically enhanced plaza at each entrance was recommended. The City requested that Premier complete the Final Design of the recommended alternative.	<input checked="" type="checkbox"/> Check if project performed with current firm	
3.	(1) TITLE AND LOCATION (City and State) <b>El Mirage Road: Northern Avenue to Cactus Road Design Services El Mirage, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2014</b>	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Manager.</b> Premier provided final design services for El Mirage Road from Northern Avenue to Cactus Road. The project included intersection improvements at Olive Avenue, Peoria Avenue and Cactus Road. Northern Avenue intersection improvements will match the future Northern Parkway. The improvements for this three-mile project included widening of the existing El Mirage Road to six lanes with a raised median. We are currently completing the repackaging efforts for Phase 1.	<input checked="" type="checkbox"/> Check if project performed with current firm	
4.	(1) TITLE AND LOCATION (City and State) <b>Light Rail Transit (LRT) Park-and-Ride (PNR) Facilities Phoenix, Tempe and Mesa, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2007</b>	Construction (if applicable) <b>2008</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Lead Civil Engineer.</b> Premier, as the primary subconsultant, was responsible for the design of seven surface PNR facilities as part of the 20-mile section of the Central Phoenix/East Valley Light Rail Transit System project. Four facilities are located in the City of Phoenix, two in the City of Tempe and one in the City of Mesa. A combined total of 3,348 standard, ADA-compliant, kiss-and-ride parking stalls were designed by maximizing the layout at each location.	<input checked="" type="checkbox"/> Check if project performed with current firm	
5.	(1) TITLE AND LOCATION (City and State) <b>SR303L: Waddell Road to Mountain View Boulevard (Segment 6) Surprise, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2011</b>	Construction (if applicable) <b>2013</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Utility Coordinator.</b> Premier prepared the PS&E for the 3.5-mile State Route (SR) 303L (Estrella Freeway) segment beginning at Waddell Road and ending at Mountain View Boulevard. The structural scope included the design of a new two-span cast-in-place post-tensioned concrete box girder bridge at the Greenway Road Traffic Interchange. The total length and out-to-out width of this underpass structure are 280 feet and 149 feet respectively. In addition, Premier was responsible for the final design of 487,000 square feet of retaining walls and sound walls along the project.	<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>Matt Tsark, PE</b>		b. ROLE IN THIS CONTRACT <b>Roadway &amp; Water/ Wastewater Engineer</b>		c. YEARS EXPERIENCE	
		1. TOTAL <b>17</b>	2. WITH CURRENT FIRM <b>1</b>		
d. LOCATION (City and State) <b>PREMIER ENGINEERING CORPORATION, Chandler, AZ</b>					
e. EDUCATION (DEGREE AND SPECIALIZATION) <b>BS - Civil Engineering</b>			f. PROFESSIONAL TRAINING - REGISTRATIONS <b>AZ Civil #37417</b>		
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) Matt has 17 years of professional experience in project management, design and construction of various types of water, wastewater, stormwater management, transportation, site development and municipal infrastructure projects. Matt has managed a variety of projects at high levels of responsibility.					

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION (City and State) <b>80<sup>th</sup> Street Water Line Improvements; University Drive to Main Street Mesa, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2014</b>	Construction (if applicable) <b>2015</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Engineer.</b> Premier has been tasked to prepare the PS&E to relocate 5,500 LF of 6-inch water line that runs within an alley in the Broadview Acres subdivision into the adjacent public street frontages along 80 <sup>th</sup> Street between University Drive and Main Street. The new water lines will range in size from 8- to 12-inch and connect to the existing water lines located in University Drive, Main Street and Akron Street. The water line improvements include the design for additional fire hydrants and valves to bring the system up to current City of Mesa code requirements.	<input checked="" type="checkbox"/> Check if project performed with current firm	
2.	(1) TITLE AND LOCATION (City and State) <b>Old Downtown Show Low Pedestrian Improvements Show Low, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2014</b>	Construction (if applicable) <b>2015</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Manager.</b> As part of our Statewide On-call contract with ADOT, Premier provided engineering and survey services to the City of Show Low for pedestrian enhancements in the Old Downtown Show Low Redevelopment District. The project included the development of construction documents for 1,100 linear feet of 6-foot wide pedestrian walkways, curb, gutter and on-street parking along Hall Street, from 8 <sup>th</sup> Street to 9 <sup>th</sup> Street, and 9 <sup>th</sup> Street, from Huning Street to McNeil Street.	<input checked="" type="checkbox"/> Check if project performed with current firm	
3.	(1) TITLE AND LOCATION (City and State) <b>CG1207 Waterline Rehabilitation Project Buckeye, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2013</b>	Construction (if applicable) <b>2013</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Manager.</b> Provided survey, engineering design, construction documents, bid phase, and construction-related services for improvements to several small waterlines in old-town neighborhoods. The project involved a total of 5,380 LF of 6-, 8-, and 12-inch diameter waterlines and 73 service connections.	<input type="checkbox"/> Check if project performed with current firm	
4.	(1) TITLE AND LOCATION (City and State) <b>Dove Valley Road: 183<sup>rd</sup> to 203<sup>rd</sup> Avenues Surprise, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2014</b>	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Manager.</b> Premier is preparing the PS&E for approximately two miles of roadway for Dove Valley Road from 187 <sup>th</sup> Avenue to 203 <sup>rd</sup> Avenue. The improvements included roadway paving, environment and geotechnical investigations, signing and striping and minor drainage improvements. The improvements consist of pavement similar to the MCDOT rural roadway cross section, approximately 28 feet wide.	<input checked="" type="checkbox"/> Check if project performed with current firm	
5.	(1) TITLE AND LOCATION (City and State) <b>107<sup>th</sup> Avenue: Union Hills Drive to Beardsley Road Peoria, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2014</b>	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Manager.</b> Premier is providing engineering and surveying services and preparing PS&E to improve traffic flow by providing a center, dual left-turn lane along 107 <sup>th</sup> Avenue between Union Hills Drive and Beardsley Road. 107 <sup>th</sup> Avenue is designated as a minor arterial roadway and is generally bordered by a single family residential neighborhoods on both sides. The project will accommodate the additional lane, new asphalt pavement will be constructed at the Sack Drive and Palm Tree Drive intersections. The project will also include minor upgrades to the existing driveways located along the west side of 107 <sup>th</sup> Avenue, south of Sack Drive.	<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>Jim Hubbard, PE</b>	b. ROLE IN THIS CONTRACT <b>Drainage Engineer</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>37</b>	2. WITH CURRENT FIRM <b>8</b>
d. LOCATION (City and State) <b>PREMIER ENGINEERING CORPORATION, Chandler, AZ</b>			
e. EDUCATION (DEGREE AND SPECIALIZATION) <b>MS - Civil Engineering; BS - Civil Engineering</b>		f. PROFESSIONAL TRAINING - REGISTRATIONS <b>AZ Civil #18153</b>	

g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.)  
Jim has 37 years of experience in civil engineering providing management, guidance and direction for project design and plan preparation. During his career, Jim has performed numerous hydrologic and hydraulic analyses for flood control projects for counties and municipalities throughout Arizona with FEMA and ADWR involvement and has extensive experience using computer simulation models for hydraulic and hydrologic analysis.

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION (City and State) <b>Northern Avenue Storm Drain: 45<sup>th</sup> to 63<sup>rd</sup> Avenues Glendale, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2009</b>	Construction (if applicable) <b>2010</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Manager.</b> Premier provided the City of Glendale with full-service civil engineering to study the contributing drainage area, design the new storm drain system and developed construction documents for this two-mile stretch of Northern Avenue from 63 <sup>rd</sup> Avenue to 47 <sup>th</sup> Avenue. Additional services included utility coordination, management assistance, construction administration, and cost-effective drainage solutions and mitigated disruption to the traveling public and local businesses to the extent possible.	<input checked="" type="checkbox"/> Check if project performed with current firm	
2.	(1) TITLE AND LOCATION (City and State) <b>Rittenhouse Road Bridge over Queen Creek Wash Maricopa County, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2013</b>	Construction (if applicable) <b>2014</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Manager.</b> Premier was selected to prepare Scoping Documents for the Rittenhouse Road Bridge Over Queen Creek Wash project. This project addressed substandard load and traffic capacity ratings for this urban arterial. The project included extensive hydrologic and hydraulic analysis of Queen Creek Wash and existing structure, design of one quarter of a mile of five-lane roadway improvements, and multi-agency coordination. Additionally, Premier led railroad coordination efforts, including the initial contact and ongoing communications such as as-built requests and design stage submittals for coordination/conflict review.	<input checked="" type="checkbox"/> Check if project performed with current firm	
3.	(1) TITLE AND LOCATION (City and State) <b>24<sup>th</sup> Avenue/Camelback Road Drainage Improvements Phoenix, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2004</b>	Construction (if applicable) <b>2007</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Manager.</b> Premier provided engineering services for the evaluation and construction of a regional retention/detention facility located near 24 <sup>th</sup> Avenue and Camelback Road. Significant utility coordination was required for this project including water line abandonment and relocation. The waterline design included the relocation of 700 feet of 6-inch ductile iron pipe waterline. Public awareness was a critical aspect of this project.	<input checked="" type="checkbox"/> Check if project performed with current firm	
4.	(1) TITLE AND LOCATION (City and State) <b>Final Design for Drainage Improvements at 89<sup>th</sup> Ave and Williams Rd Peoria, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2008</b>	Construction (if applicable) <b>2009</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Manager.</b> Premier prepared the PS&E for the roadway and drainage improvements to alleviate storm water runoff ponding on the north side of the intersection. Premier prepared a Technical Memorandum presenting the various solutions and recommended the most viable alternative for final design. The selected alternative was an inverted crown local roadway typical section with valley gutter and roll curb from Williams Road to Deer Valley Road with runoff collected on the north side of Deer Valley Road and conveyed in multiple pipe culverts to the channel on the south side of Deer Valley Road.	<input checked="" type="checkbox"/> Check if project performed with current firm	
5.	(1) TITLE AND LOCATION (City and State) <b>Deer Valley Road: 83<sup>rd</sup> to 91<sup>st</sup> Avenues Peoria, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2009</b>	Construction (if applicable) <b>2010</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Manager.</b> Premier prepared a DCR and PS&E for roadway and drainage improvements to Deer Valley Road between 91 <sup>st</sup> and 83 <sup>rd</sup> Avenues including intersection improvements at 83 <sup>rd</sup> Avenue. The improved Deer Valley Road accommodates two lanes in each direction with a continuous two-way left-turn lane as well as bike lanes in both directions. Storm drain pipes and culvert crossings were designed to resolve the off-site flow concerns along the corridor.	<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>Jesse Boyd, PE, RLS</b>	b. ROLE IN THIS CONTRACT <b>Roadway Engineer</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>15</b>	2. WITH CURRENT FIRM <b>10</b>
d. LOCATION (City and State) <b>PREMIER ENGINEERING CORPORATION, Chandler, AZ</b>			
e. EDUCATION (DEGREE AND SPECIALIZATION) <b>BS - Mechanical Engineering</b>		f. PROFESSIONAL TRAINING - REGISTRATIONS <b>AZ Civil #55056 / AZ Registered Land Surveyor #42937</b>	

g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.)  
Jesse has a BS in Mechanical Engineering and 15 years of experience in civil engineering and land surveying with a primary emphasis on public works transportation projects. His experience includes design of transportation and site development projects such as freeways, roadways, bridges, schools and parking facilities.

**H. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	<b>El Mirage Road: Northern Avenue to Cactus Road Design Services</b> <i>El Mirage, AZ</i>	2014	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Engineer.</b> Premier provided final design services for El Mirage Road from Northern Avenue to Cactus Road. The project included intersection improvements at Olive Avenue, Peoria Avenue and Cactus Road. Northern Avenue intersection improvements will match the future Northern Parkway. The improvements for this three-mile project included widening of the existing El Mirage Road to six lanes with a raised median. We are currently completing the repackaging efforts for Phase 1.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	<b>Rittenhouse Road Bridge over Queen Creek Wash</b> <i>Maricopa County, AZ</i>	2013	2014
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Engineer.</b> Premier was selected to prepare Scoping Documents for the Rittenhouse Road Bridge Over Queen Creek Wash project. This project addressed substandard load and traffic capacity ratings for this urban arterial. The project included extensive hydrologic and hydraulic analysis of Queen Creek Wash and existing structure, design of one quarter of a mile of five-lane roadway improvements, and multi-agency coordination. Additionally, Premier led railroad coordination efforts, including the initial contact and ongoing communications such as as-built requests and design stage submittals for coordination/conflict review.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	<b>80<sup>th</sup> Street Water Line Improvements; University Drive to Main Street</b> <i>Mesa, AZ</i>	2014	2015
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Mapping/Conceptual Design.</b> Premier has been tasked to prepare the PS&E to relocate 5,500 LF of 6-inch water line that runs within an alley in the Broadview Acres subdivision into the adjacent public street frontages along 80 <sup>th</sup> Street between University Drive and Main Street. The new water lines will range in size from 8- to 12-inch and connect to the existing water lines located in University Drive, Main Street and Akron Street. The water line improvements include the design for additional fire hydrants and valves to bring the system up to current City of Mesa code requirements.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	<b>ADOT On-Call Statewide and Local Government Project Design</b> <i>Statewide, AZ</i>	2014	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Survey Manager.</b> Premier is currently serving as one of ADOT's Local Governments On-Call consultants, highlighting our continuous involvement in federally-funded local projects. Premier has been awarded 11 task orders to date including widening 8 <sup>th</sup> Avenue in Graham County to a four-lane section, reconstruction of a three legged intersection at 8 <sup>th</sup> Avenue, Airport Road and Safford-Bryce Road with a roundabout; and the reconstruction of the existing Graham Canal Road "T" intersection.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	<b>SR303L: Waddell Road to Mountain View Boulevard (Segment 6)</b> <i>Surprise, AZ</i>	2011	2013
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Surveyor.</b> Premier prepared the PS&E for the 3.5-mile State Route (SR) 303L (Estrella Freeway) segment beginning at Waddell Road and ending at Mountain View Boulevard. The structural scope included the design of a new two-span cast-in-place post-tensioned concrete box girder bridge at the Greenway Road Traffic Interchange. The total length and out-to-out width of this underpass structure are 280 feet and 149 feet respectively. In addition, Premier was responsible for the final design of 487,000 square feet of retaining walls and sound walls along the project.	<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>Mark Luond, RLS, CFedS</b>	b. ROLE IN THIS CONTRACT <b>Land Surveyor</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>27</b>	2. WITH CURRENT FIRM <b>4</b>
d. LOCATION (City and State) <b>PREMIER ENGINEERING CORPORATION, Chandler, AZ</b>			
e. EDUCATION (DEGREE AND SPECIALIZATION) <b>BS - Forest Engineering</b>		f. PROFESSIONAL TRAINING - REGISTRATIONS <b>AZ Registered Land Surveyor #39783</b>	

g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.)  
Mark has 27 years of experience in land survey for both private and public projects. He has performed surveys for freeways, roadways, academic facilities, residential/commercial developments and cemeteries. Mark's technical capabilities include ALTA/ASCM Land Title Surveys, right-of-way and utility route surveys, construction surveys, topographic surveys, aerial target surveys, cemetery plats, condominium plats, control and boundary surveys, hydrographic surveys, elevation certificates, legal descriptions and subdivisions.

**H. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	<b>Arizona State University Sun Devil Stadium Renovations</b> <i>Tempe, AZ</i>	2014	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Survey Project Manager.</b> Premier has recently completed a geotechnical investigation program and provided surveying and mapping services for the renovation of Sun Devil Stadium at Arizona State University in Tempe, Arizona. Premier's scope of work was initiated under a very aggressive schedule and included topographic surveying and mapping, establishment of horizontal and vertical control, utility surveys and locating, aerial mapping services, field exploration with borings, geophysical surveys, field and laboratory testing and geotechnical analysis of the foundations for the stadium structures, pavements, slabs, retaining walls, and utilities.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	<b>Phoenix Sky Harbor International Airport (PSHIA) Taxiway B8</b> <i>Phoenix, AZ</i>	2006	2007
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Survey Project Manager.</b> Premier was selected by the City of Phoenix to prepare construction documents for the removal and reconstruction of Taxiway B8 at PSHIA. The project was fast-tracked through design in order to coincide with a 21-day shutdown of Runway 8-26. Taxiway B8 is a taxiway connector located on the north airfield between Runway 8-26 and Taxiway B. Work associated with this project included full depth pavement removal, PCCP reconstruction, airfield lighting and pavement markings.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	<b>80<sup>th</sup> Street Water Line Improvements; University Drive to Main Street</b> <i>Mesa, AZ</i>	2014	2015
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Survey Project Manager.</b> Premier has been tasked to prepare the PS&E to relocate 5,500 LF of 6-inch water line that runs within an alley in the Broadview Acres subdivision into the adjacent public street frontages along 80 <sup>th</sup> Street between University Drive and Main Street. The new water lines will range in size from 8- to 12-inch and connect to the existing water lines located in University Drive, Main Street and Akron Street. The water line improvements include the design for additional fire hydrants and valves to bring the system up to current City of Mesa code requirements.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	<b>75<sup>th</sup> Avenue and Thunderbird Road Intersection Widening</b> <i>Peoria, AZ</i>	2010	2011
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Surveyor.</b> Premier provided survey services including records research, preliminary and right-of-way mapping, topographic/route survey, legal descriptions and Records of Survey for acquired lands. The project is located at the 75 <sup>th</sup> Avenue and Thunderbird Road intersection and extends one quarter mile in all four directions.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	<b>SR303L: Waddell Road to Mountain View Boulevard (Segment 6)</b> <i>Surprise, AZ</i>	2011	2013
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Surveyor.</b> Premier prepared the PS&E for the 3.5-mile State Route (SR) 303L (Estrella Freeway) segment beginning at Waddell Road and ending at Mountain View Boulevard. The structural scope included the design of a new two-span cast-in-place post-tensioned concrete box girder bridge at the Greenway Road Traffic Interchange. The total length and out-to-out width of this underpass structure are 280 feet and 149 feet respectively. In addition, Premier was responsible for the final design of 487,000 square feet of retaining walls and sound walls along the project.	<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>Shameem Dewan, PhD, PE</b>	b. ROLE IN THIS CONTRACT <b>Geotechnical Engineer</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>17</b>	2. WITH CURRENT FIRM <b>2</b>
d. LOCATION (City and State) <b>PREMIER ENGINEERING CORPORATION, Chandler, AZ</b>			
e. EDUCATION (DEGREE AND SPECIALIZATION) <b>PhD - Civil Engineering / (2) MS - Civil Engineering / BS - Civil Engineering</b>		f. PROFESSIONAL TRAINING - REGISTRATIONS <b>AZ Civil #41051</b>	

g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.)  
Shameem has a PhD and two Master's Degree's in Civil Engineering and over 17 years of professional experience. Shameem spent the earlier stages of his career as an educator teaching geotechnical courses followed by more than a decade as a practicing geotechnical engineer in the Phoenix Metro Area. His strengths include geotechnical evaluations for buildings, bridges, roadways, taxiways and runways; pavement design and management; construction materials testing/inspection; and construction monitoring and compliance.

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION (City and State) <b>Arizona State University Sun Devil Stadium Renovations Tempe, AZ</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Geotechnical Engineer.</b> Premier has recently completed a geotechnical investigation program and provided surveying and mapping services for the renovation of Sun Devil Stadium at Arizona State University in Tempe, Arizona. Premier's scope of work was initiated under a very aggressive schedule and included topographic surveying and mapping, establishment of horizontal and vertical control, utility surveys and locating, aerial mapping services, field exploration with borings, geophysical surveys, field and laboratory testing and geotechnical analysis of the foundations for the stadium structures, pavements, slabs, retaining walls, and utilities.	Professional Services 2014	Construction (if applicable)
		<input checked="" type="checkbox"/> Check if project performed with current firm	
2.	(1) TITLE AND LOCATION (City and State) <b>Phoenix Sky Harbor International Airport Terminal 3 Modernization Phoenix, AZ</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Geotechnical Engineer.</b> Premier provided subsurface field investigation, laboratory testing, geotechnical analysis, and provided recommendations on the design and construction of shallow and deep foundations, slabs-on-grade, retaining walls, pavements, and utilities as a subconsultant on the PSHIA Terminal 3 Modernization project.	Professional Services 2013	Construction (if applicable)
		<input checked="" type="checkbox"/> Check if project performed with current firm	
3.	(1) TITLE AND LOCATION (City and State) <b>Sonoran Boulevard: 15<sup>th</sup> Avenue to Cave Creek Road Phoenix, AZ</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Geotechnical Engineer.</b> Premier was the Lead Consultant for Preliminary Design Services for this 6.89-mile project and provided Final Design Services for the 2.4-mile Central Segment. Our scope of services included survey, right-of-way maps, hydrological and hydraulic analysis, culverts and storm drain system design, floodplain/floodway analysis, CLOMR/LOMR application and permitting, environmental/archeological investigation, Section 404 analysis, landscaping, geotechnical explorations and post-design services.	Professional Services 2010	Construction (if applicable) 2013
		<input checked="" type="checkbox"/> Check if project performed with current firm	
4.	(1) TITLE AND LOCATION (City and State) <b>Rio Salado Commerce Park Phoenix, AZ</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Geotechnical Engineer.</b> Completed a review of site conditions, observation of site work including grading, stabilization, backfill placement and verification testing for geotechnical stabilization program for the site. The purpose of the geotechnical stabilization program was to document and evaluate the effect of stabilization of on-site debris fill to develop the site as a commercial property.	Professional Services	Construction (if applicable)
		<input type="checkbox"/> Check if project performed with current firm	
5.	(1) TITLE AND LOCATION (City and State) <b>Reach 11 Recreation Area Phoenix, AZ</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Geotechnical Engineer.</b> A geotechnical exploration was conducted to provide evaluations for the construction of the project site features including soccer fields, stadium seating, announcer booth, maintenance and concession buildings, roadways, parking lots, and pedestrian walkways. Test pits were also completed for borrow source evaluation and geotechnical evaluations (slope stability and seepage analysis) related to the Deer Valley Road alignment and dam relocation.	Professional Services	Construction (if applicable)
		<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 (City and State) <b>ADOT Statewide and Local Government Project Design</b> Statewide, AZ	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES varied	CONSTRUCTION (If applicable) varied

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER Arizona Department of Transportation	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT varied	e. TOTAL COST OF PROJECT varied
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)



New River Trail: Northern to Olive Avenues



Old Downtown Show Low Pedestrian Improvements



Burnt Well Rest Area

Premier has successfully completed or is currently working on On-Call task orders throughout the state. These task orders vary in degree of complexity and include both ADOT and Local Public Agency projects. Our Task Order assignments have included:

- **Fain Road Widening** – Drainage design services included hydraulics and scour for the bridges, and bank protection analysis.
- **New River Trail: Northern Avenue to Olive Avenue** - Design services for this Local Public Agency (LPA) project included DCR, paving and drainage design, signing and marking, traffic control, retaining wall design, landscape/irrigation, and erosion and sediment control. The scope also included supplemental field topographic survey and survey control, right-of-way, utility and materials clearances, and environmental clearance coordination.
- **City of Show Low Whipple Road Reconstruction** - Final engineering design services for roadway improvements to Whipple Road for the City of Show Low. The design services include roadway, drainage, signing and marking, and environmental, right-of-way and utility clearances.
- **Graham County: 8<sup>th</sup> Avenue, Airport Road, Safford-Bryce Road Intersection** - Preliminary design services that include topographic survey, DCR, roadway design and utility coordination. Project improvements include roadway widening, construction of a new roundabout intersection, drainage design, signing and marking, traffic analysis, and environmental, utility, and right-of-way clearances.
- **Burnt Well and Ehrenberg Rest Areas Rehabilitation** - Final engineering design services for the rehabilitation of these ADOT rest areas located along I-10. The project design scope included water distribution system rehabilitation, septic system rehabilitation and replacement, restroom building rehabilitation, shade ramada aesthetic rehabilitation, caretaker residence rehabilitation, pavement marking and signage, traffic control, ADA compliance evaluation and site upgrades, erosion and sediment control, supplemental field topographic survey, and survey control.
- **Lake Havasu Avenue Reconstruction** - Preliminary and final engineering design services to improve a 4,000-foot section of Lake Havasu Avenue between Palo Verde Boulevard and Industrial Boulevard. Design services include topographic surveying and mapping, PA, roadway design, signing and marking, and onsite drainage analysis/memorandum, along with environmental, utility and right-of-way clearances.
- **Salt River Canyon Rest Area Rehabilitation and San Simon Rest Area Rehabilitation** - Final engineering design services for the rehabilitation of these ADOT rest areas located along US 60 and I-10 respectively.
- **Old Downtown Show Low Pedestrian Improvements** - Final engineering services for pedestrian enhancements in the Old Downtown Show Low Redevelopment District including pedestrian walkways, curb, gutter and on street parking.



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

a. TITLE AND LOCATION (City and State) <b>Phoenix Sky Harbor International Airport (PSHIA) Terminal 3 Modernization</b> Phoenix, AZ	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2014	CONSTRUCTION (if applicable) 2015(est.)

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER City of Phoenix Aviation Department	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT unknown	e. TOTAL COST OF PROJECT unknown
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)



Premier completed a geotechnical evaluation to support the PSHIA Terminal 3 Modernization project, a design-build project primed by DWL Architects & Planners with design builder Hunt-Austin Joint Venture. Terminal 3 Modernization included potential extensions of Terminal 3 processor building, modification of the north concourse, and replacement of the south concourse. The north concourse will be widened and remodeled to provide additional capacity in terms of more check points, servicing larger number of planes, and increasing arrival and departure facilities. The existing south Concourse will be completely replaced with a new model. The roadway pavements along Sky Harbor Boulevard will be widened to accommodate expanded curbside operations for arrival and departing passengers. Correspondingly, underground utilities may need to be relocated, as necessary, to accommodate changes to the roadway and the Processor building foundations for the expansion of security screening and other areas.

Premier completed subsurface field investigation, laboratory testing, geotechnical analysis, and provided recommendations on the design and construction of shallow and deep foundations, slabs-on-grade, retaining walls, pavements, and utilities.



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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 (City and State) <b>El Mirage Road: Northern Avenue to Cactus Road</b> El Mirage, AZ	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) 2017 (est.)

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER City of El Mirage	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$20M	e. TOTAL COST OF PROJECT unknown
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)



Premier was selected by MCDOT to provide the final design services for El Mirage Road from Northern Avenue to Cactus Road. During scoping negotiations, the final design for these roadway improvements was broken into two project phases; Northern Avenue to Olive Avenue - Phase I (MCDOT #TT344) and Olive Avenue to Cactus Road - Phase II (MCDOT #TT367). The design for the two project phases were completed concurrently. This project also included intersection improvements at Olive Avenue, Peoria Avenue and Cactus Road. The Northern Avenue intersection improvements were designed to match the proposed future Northern Parkway (MCDOT #TT347) improvements currently being designed by others.

The roadway improvements included the widening of the existing El Mirage Road to three lanes of travel in each direction with a raised median extending from approximately 1,400 feet north of Northern Avenue to Heritage Park (Cinnabar) located on the west side of El Mirage Road just south of Peoria Avenue. The roadway widening will taper to two lanes of travel in each direction with a raised median from Heritage Park to Peoria Avenue continuing with a paved median from Peoria Avenue to Cactus Road.

We are currently completeing repackaging efforts for Phase 1 improvements.



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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 (City and State) <b>Light Rail Transit (LRT) Park-and-Ride (PNR) Facilities</b> <i>Phoenix, Tempe and Mesa, AZ</i>	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2007	CONSTRUCTION (If applicable) 2008

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER Valley Metro	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$21M	e. TOTAL COST OF PROJECT \$21M
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)



Premier designed seven surface PNR facilities as part of the Central Phoenix/East Valley (CP/EV) LRT project. Four facilities are located in the City of Phoenix, two in the City of Tempe and one in the City of Mesa. A combined total of 3,348 standard, ADA-accessible, and kiss-and-ride parking stalls were designed by maximizing the layout at each location. The scope of services included parking lot layout, design of pavement, curbs, access roadway modifications, grading and drainage, on-site retention basins, traffic circulation studies, pedestrian sidewalks, lighting and landscaping. Additional site amenities provided at these locations include benches, trash receptacles, drinking fountains, bike racks/lockers, security buildings, CCTV security cameras and motorcycle parking. Close project coordination was required with the Cities of Phoenix, Tempe, and Mesa, in addition to all line section designers and station architects. Premier was responsible for leading the efforts in the approval and permitting processes of all the appropriate municipalities, including the Development Services Department (DSD) of Phoenix.



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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>Camelback Road Pedestrian Underpass</b> <i>Phoenix, AZ</i>	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2006	CONSTRUCTION <i>(If applicable)</i> 2007

**23. PROJECT OWNER'S INFORMATION**

c. PROJECT OWNER City of Phoenix	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$4M	e. TOTAL COST OF PROJECT \$6M
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)



Premier was retained by the City of Phoenix to prepare a DCR and EDR for this highly visible and complex project in the most prestigious business neighborhood in Phoenix. Premier completed the preliminary evaluation of alternatives and recommended the alternative of an underpass option with aesthetically enhanced plaza at each entrance. Utility relocation (including fiber optic duct banks) and construction sequencing in one of the busiest sections of Phoenix made the underpass design very challenging.

The City requested that Premier complete the final design of the recommended alternative. Premier geometrically revised the entire roadway segment from 24<sup>th</sup> to 26<sup>th</sup> Streets in order to design the underpass as a shallow crossing. The vertical profile of Camelback Road was raised by about six feet at the underpass location and matched to the existing grades just east and west of the 24<sup>th</sup> and 26<sup>th</sup> Street intersections, respectively. The horizontal alignment of the roadway was significantly changed to create additional plaza area on the south side of Camelback Road. Numerous driveways were re-graded to match the new roadway profile.

Drainage design included analyzing off-site contributing runoff using HEC-1 and storm drain reconstruction in order to lower the existing storm drain to pass under the new pedestrian underpass. Due to the complexity of the project, Premier conducted numerous design workshops and public meetings.

The Camelback Road Pedestrian Underpass Project has won the following awards:

- American Concrete Institute (ACI) AZ Chapter 2009 Overall Award Commercial, Exposing the Best in Concrete
- ACI AZ Chapter 2009 Award for Transportation, Exposing the Best in Concrete
- ACI 2008 Concrete Infrastructure Award
- American Council of Engineering Companies (ACEC) 2008 National Recognition Award
- Arizona Public Works Association (APWA) 2008 Public Works Projects of the Year in Transportation (\$2-\$10M) Category
- Valley Forward 2008 Environmental Excellence Award for Outstanding Environmental Achievement
- Associated General Contractors (AGC) 2007 Build Arizona Award, Public Highway Construction Under \$10M
- ACEC AZ 2007 Grand Award (Transportation Category)
- Phoenix Commission on Disabilities Issues, Ability Counts Award Program (Architectural Accessibility Award for New Facilities 2007)
- Southwest Contractor Best of 2007 Arizona Award Winners Transportation Projects



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6. ADDITIONAL INFORMATION

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

**Firm Overview**

Premier Engineering Corporation was founded in 1995, and over the course of nearly two decades has grown to be one of the most well respected consulting engineering firms in the valley. Premier is a multi-disciplinary local M/DBE firm with in-house capabilities to perform transportation, transit, general civil, structural, geotechnical, materials testing, water/wastewater, water resources engineering, land survey and construction management projects for federal, state and local government agencies.

Although our staff has grown to include a number of excellent project managers, Premier’s principals continue to play key roles as both project and quality control managers assuring that our clients receive optimal products. We have earned the confidence of our clients over the years due to our employees’ passion, integrity, and responsiveness. Our goal is to solve your program and project challenges with our unmatched level of enthusiasm and commitment to high-quality service within the required budgetary and schedule requirements.

**SERVICES**

Premier’s professional staff develops cost-effective solutions that are functional, efficient and focused on exceeding client expectations. We have the capability and experience to provide the following services:

- **Construction Management**
- **Federal Programs**
- **Geotechnical Engineering**
- **Land Development**
- **Structural**
- **Survey/GIS**
- **Transportation**
- **Water/Wastewater**
- **Water Resources Engineering**

**Construction Management**

Premier provides quality construction management services to help our clients in managing the construction process. Our professional staff monitors construction activities to ensure compliance with contract documents, coordinate site activities, and review change orders on behalf of our clients. Additional Construction Management services include:

- *Schedule and Budget Evaluations*
- *Value Engineering*
- *Constructability Reviews*
- *Cost Estimate Accuracy Checks*
- *Monitoring and Coordinating Daily*
- *Construction Activities*

**Federal Programs**

Premier’s Federal Programs professionals integrate the technical disciplines for our federal clients, tailored to the specified need of each agency. Services include program management, project management, technical staffing and the services provided in each of Premier’s departments such as construction management, site civil design, structural and water resources engineering. Our ability to satisfy and exceed client expectations originates in a collaborative culture supported by the entire team. Premier is uniquely qualified to provide services to our Federal Clients with the following staff credentials:

- *Design by LEED® Accredited Professionals*
- *Survey Support by Certified Federal Surveyor*
- *Project Management by PMI® credentialed PMP*

**Geotechnical**

Premier’s Geotechnical staff provides geotechnical engineering, material testing, and inspection services for buildings, bridges, roadways, runways/taxiways, utilities, waterways and landfill projects. Our in-house staff offers expertise with specialized geotechnical and material testing services in addition to traditional geotechnical analysis and design projects. These specialized services include work related to landfills, non-destructive testing, and construction monitoring services. Premier’s geotechnical services include (we are in the process of setting up our lab):



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ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:  
ADSP015-00004729

STATE PROCUREMENT OFFICE  
Department of Administration  
100 North 15<sup>th</sup> Avenue, Suite 201  
Phoenix, Arizona 85007

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- *Geotechnical Subsurface Investigation*
- *Geophysical Exploration*
- *Quality Control Testing and Inspection*
- *Pavement Design and Management*
- *Landfill Design, Liner Testing and Inspection*
- *Landfill Pre- and Post-Closure Compliance*
- *Stabilization of Construction Debris Dump Site*
- *Non-Destructive Integrity Testing of Drilled Shafts*
- *Construction Vibration and Settlement Monitoring*
- *Phase I and Phase II Environmental Site Assessment*
- *Geotechnical and Geo-Environmental Remediation*
- *Earth Retaining Structures*

**Land Development**

Premier’s Land Development professionals provide functional, efficient, and cost-effective site development solutions using sustainable design practices. Our LEED® accredited engineers transform land into viable projects, creating a responsible fit between physical site constraints, public expectations, fiscal requirements, and environmental considerations. Our staff has the experience and capabilities to develop commercial/industrial sites, residential/commercial subdivisions, educational facilities (K-12 schools, community colleges and universities), hospitals/medical centers, churches/worship centers, golf courses and public parks, apartment complexes, and pedestrian and bicycle facilities.

Services include:

- *Site Demolition*
- *Site Planning*
- *Grading and Drainage*
- *Paving and Horizontal Control*
- *Design Reports*
- *Quantity and Cost Estimates*
- *Special Provisions*
- *Bidding Assistance*
- *Post-Design Services*
- *Storm Water Pollution Prevention Plans (SWPPP)*

**Structural**

Premier’s Structural staff provides planning and engineering services for bridges, retaining and sound walls, pump stations, and drainage structures. Our professionals offer extensive experience in all phases of structural projects, including project management, studies, concept and structure selection reports, final design and inspections. Premier’s bridge expertise encompasses the entire spectrum from bridge concepts to final design and construction administration and from bridge inspection to repair designs. We also provide design of other transportation related structures. Services include:

- *Bridge and Wall Type Selection Studies*
- *Bridge Design (Traffic, Railroad, Bicycle and Pedestrian)*
- *Bridge Inspection Services*
- *Pump Station/Drainage Structure Design*
- *Retaining/Noise/Combination Wall Design*
- *Special Box Culverts and Junction Structures*
- *Miscellaneous Structures*

**Survey/GIS**

Premier’s Survey staff provides a wide range of land surveying services to both private and public clients. Our fully-equipped survey crews, using Global Positioning System (GPS) technology and a total dedication to quality and service, meet all our clients’ land surveying needs. Our survey professionals provide services in the following areas/disciplines:

- *Construction Staking*
- *ALTA/ACSM Surveys*
- *Boundary Surveys*
- *Right-of-Way Mapping*
- *Topographic Surveys*
- *Aerial Mapping Control*
- *Base Map Preparation*
- *Cadastral Surveys*
- *Utility Records Research and Mapping*
- *Final Platting*



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- *Preparation of Legal Descriptions*
- *Exhibits for Right-of-Way/Easement Dedication*
- *Geographic Information Systems (GIS)*
- *Building Information Modeling/Management (BIM)*

**Transportation**

Premier’s Transportation professionals provide planning and engineering services for roadway and major streets, freeways and transit projects. Our accomplished staff offers extensive experience in all phases of transportation projects, including project management, studies, planning, preliminary design concepts and final design. We strive to provide innovative and cost-effective solutions for the transportation needs of our clients. Premier’s in-house capabilities include the resources to complete the following tasks:

- *Corridor/Route Studies*
- *Design Concept Reports*
- *Freeway/Highway Design*
- *Arterial/Street Design*
- *Right-of-Way Analysis and Planning*
- *Utility Design and Relocation*
- *Transit Related Facilities Design*

**Water/Wastewater**

Premier’s Water/Wastewater staff can provide planning, design and construction services for a variety of utility projects. These include both potable and reclaimed water distribution and transmission mains, sewage collection systems (both gravity and pressure systems), as well as, booster and lift stations. Our staff is well qualified to guide through the permitting process and assist both large and small operations through the various phases of a project. We have provided these services to both large and small utility providers using various sources of funding and project delivery methods.

- *Water Transmission Mains*
- *Sanitary Sewer Design*
- *Booster Stations*
- *Pumping Stations*
- *Utility System Design/Evaluation*
- *Design Flow Forecasting*

**Water Resources**

Premier’s dedicated staff of engineers and hydrologists is well qualified to evaluate and project all levels of water resources needs/demands and provide innovative buildable project solutions. Our professionals will guide your project through the protection and management of water resources as they flow and move through the various natural and man-made conduits and collection systems to the treatment plants and distribution systems necessary for your project. Premier’s water resources capabilities include:

- *Master Drainage Studies*
- *Floodplain Delineation and Studies*
- *Hydrologic/Hydraulic/Sediment Transport Analyses and Modeling*
- *Pavement Drainage Design*
- *Storm Drain Studies and Design*
- *Retention/Detention Basin Facility Design*
- *Water Distribution System Analysis and Design*
- *Bridge/Culvert Hydraulics and River Mechanics*
- *401/404 Permits*
- *Due Diligence Studies*
- *Flood Insurance Rate Maps and Studies*
- *Regional Flood Control Planning/Design*
- *FEMA Letters of Map Revision (LOMR)*
- *Water Resources Planning and Asset Management*
- *Watershed Management/Wetlands*
- *Stream Stabilization/Restoration*
- *Scour Evaluation and Erosion Control*
- *Dams and Levees*



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**Quality Assurance/Quality Control (QA/QC)**

Premier’s quality management plan establishes a continuous process to ensure quality on a firm-wide basis and at a project-specific level. Premier has developed and adopted a global QA/QC plan that outlines separate procedures for the various tasks typically associated with engineering studies, design work and preparation of construction documents. Prior to client submittal, the QC package containing all pertinent documents is reviewed by the Project Manager and the QA/QC Officer identified for that project. This audit confirms that Premier’s QA/QC plan has been followed in preparation of the reports and the Plans, Specifications and Estimate documents minimizing work product errors and omissions.

**Technology**

Premier’s technological infrastructure consists of high-performance workstations connected through a Microsoft Windows Server network. We communicate and share electronic information with our clients rapidly and securely through our broadband internet connection. Our computers are custom-built to meet the high demands of today’s leading graphics and analysis software. Premier maintains ongoing software subscriptions to Autodesk, Bentley and other leading names, utilizing the latest releases of titles such as AutoCAD, Civil 3D, Microstation and InRoads for the purposes of design and drafting. We use the Adobe Creative Suite for high-end press-quality publications. Along with the Microsoft Office suite for documents and emails, our Newforma Project Center software keeps us organized, providing easy methods to file project emails, track action items, and collaborate with our clients through its FTP-like file-sharing system. Premier also has the in-house ability to produce full-size prints, copies and scans, in both color and black-white.

**Safety**

Premier strives to have zero safety incidents on each and every project. Our solid safety performance results in reduced costs and increased productivity. We recognize that accidents are costly and can have a significant negative impact by affecting employees, subcontractors, and public image as well as a project’s overall cost and schedule. Premier’s health and safety program includes job-specific safety training and site-specific Safety Plans to identify and reduce potential hazards. Our program focuses on safety behavior and empowerment of employees to recognize, report, and correct unsafe acts and/or conditions. As a result of our efforts, we have never had a reportable incident on a project.

**In Their Own Words....**

**“As we have grown to expect, Premier’s service was exemplary throughout the design of the project.”**

*~ Steve Beasley, PE  
ADOT Urban Project Management Group*

**“...Navigating through the conflicting requirements of multiple agencies was a challenge and Kimberly Boyd did an excellent job coordinating and resolving many issues. The Department is very pleased by the level of performance provided by your sincere and dedicated design team.”**

*~ Murshed Alam, PE  
ADOT Phoenix Construction District*



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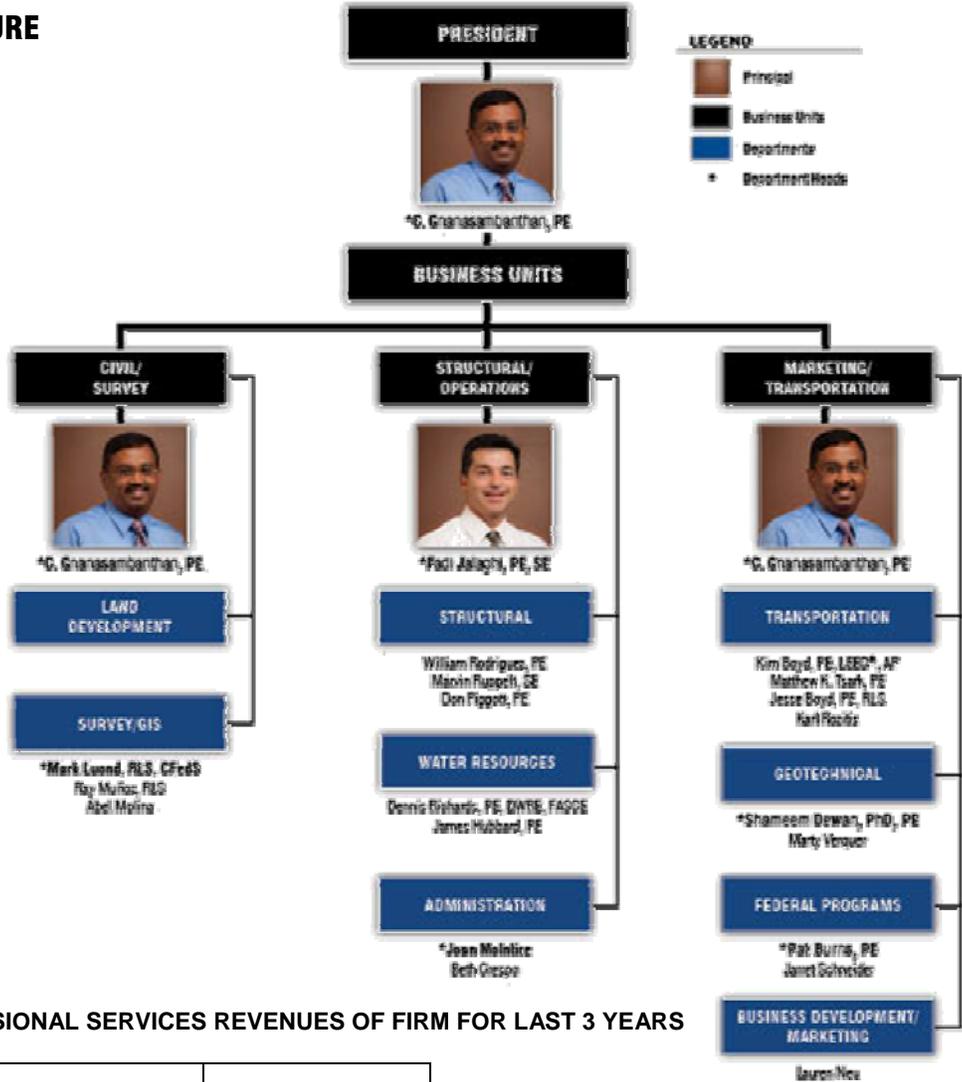
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FIRM ORGANIZATIONAL STRUCTURE



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:	85%
b.	Percentage of Total Work Attributable to Non-Government Work:	15%

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

Signature: C. Gnanasambanthan Date: 12/30/2014  
Name: C. Gnanasambanthan, PE, SE Title: President