



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:	David Evans and Associates, Inc.
b. FIRM (OR BRANCH OFFICE) STREET:	4600 East Washington Street, Suite 430
c. FIRM (OR BRANCH OFFICE) CITY:	Phoenix
d. FIRM (OR BRANCH OFFICE) STATE:	AZ
e. FIRM (OR BRANCH OFFICE) ZIP CODE:	85034
f. YEAR ESTABLISHED:	1991
(g1). OWNERSHIP - TYPE:	Corporation
(g2). OWNERSHIP - SMALL BUSINESS STATUS:	No
h. POINT OF CONTACT NAME AND TITLE:	Mark Borushko, Land Development General Manager
i. POINT OF CONTACT TELEPHONE NUMBER:	602-678-5151
j. POINT OF CONTACT E-MAIL ADDRESS:	mborushko@deainc.com
k. NAME OF FIRM <i>(If block 1a is a branch office):</i>	



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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
Bridge Engineer	P	29	2
CADD Technician	P	28	2
Civil Engineer	P	52	4
Sanitary Engineer	P	12	1
Hydraulic Engineer	P	14	1
Construction Manager	P	10	1
Engineering Technician	P	25	0
Landscape Architect	P	21	1
Program Manager	P	4	1
Project Manager	P	31	0
Registered Land Surveyor	P	37	2
Survey Technician	P	62	3
Administrative	P	128	3
Land Planner	P	10	1
Other	P	360	0
<b>Total</b>		<b>823</b>	<b>22</b>



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**3. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST YEAR**

a. Approximate No. of Projects	b. Experience	c. Revenue Index Number <i>(see below)</i>
110	Bridges, Bridge Engineer	9
165	Commercial Buildings; Shopping Centers; Retail	6
20	Water Supply; Treatment and Distribution	3
35	Construction Management	6
165	Construction Surveying/Staking	7
50	Transportation and Traffic Engineering	7
60	Environmental Planning	6
50	Stormwater Handling & Facilities	4
165	Housing (Residential, Multifamily, Apartments, Condominiums)	6
50	Irrigation; Drainage	4
165	Land Surveying	7
90	Landscape Architecture	4
50	Planning (Community; Regional; Areawide & State)	5
50	Structural Design; Special Structures	4
165	Railroad and Rapid Transit	9
90	Recreational Facilities (Parks; Marinas; etc.)	5

**PROFESSIONAL SERVICES REVENUE INDEX NUMBER**

- |   |   |
|---|---|
| 1. Less than \$100,000                  | 6. \$2 million to less than \$5 million   |
| 2. \$100,000 to less than \$250,000     | 7. \$5 million to less than \$10 million  |
| 3. \$250,000 to less than \$500,000     | 8. \$10 million to less than \$25 million |
| 4. \$500,000 to less than \$1 million   | 9. \$25 million to less than \$50 million |
| 5. \$1 million to less than \$2 million | 10. \$50 million or greater               |



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

12. NAME <b>Mark Borushko</b>	13. ROLE IN THIS CONTRACT <b>Principal-in-Charge</b>	14. YEARS EXPERIENCE	
		a. TOTAL <b>32</b>	b. WITH CURRENT FIRM <b>6</b>
15. FIRM NAME AND LOCATION <i>(City and State)</i> <b>David Evans and Associates, Inc. Phoenix, Arizona</b>			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> MBA, Arizona State University, 1986 BS, Urban Planning, Michigan State University, 1982		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> n/a	

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*  
 Mark serves as General Manager for DEA's Land Development Business Unit with firm-wide responsibility for all aspects of the Business Unit including profit and loss, operations, development and delivery of service offerings, and sales and marketing. Mark brings more than 30 years of experience in real estate development consulting and construction management. He has managed the entitlement of thousands of acres of land ranging from small infill sites and mixed use projects to large master planned communities, as well as the development and construction of infrastructure systems and thousands of builder lots and custom home sites.

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
1.	<b>Northern Arizona Veterans Memorial Cemetery at Camp Navajo, Arizona</b>	2015	2015 (anticipated)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Mark is serving as Principal-in-Charge for the design of the new cemetery. Services include planning, preliminary design, and final design of the cemetery and associated infrastructure, including drainage, water and sewer system, environmental assessment, landscape architecture, and architecture. <p align="right">Check if project performed with current firm <input checked="" type="checkbox"/></p>		
2.	<b>Arizona State Veterans Home, Tucson, Arizona</b>	2010	2012
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Mark served as Principal-in-Charge for the site civil design elements for a new 130,000 square foot facility. DEA researched existing utilities, modeled water and sewer, prepared a final drainage report and stormwater management plans, and produced final grading, drainage, water, fire, and sewer plans. <p align="right">Check if project performed with current firm <input checked="" type="checkbox"/></p>		
3.	<b>Rancho Gabriela Water Supply Facility, Surprise, Arizona</b>	2011	2011
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Mark served as Principal-in-Charge for design of the water supply facility that includes water storage, wells, booster pumps, and an arsenic removal system. Services included master planning, design, and construction phasing. <p align="right">Check if project performed with current firm <input checked="" type="checkbox"/></p>		
4.	<b>Adobe Mountain School Fire Water Distribution System, Phoenix, Arizona</b>	2015	2015 (anticipated)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Mark served as Principal-in-Charge for design of upgrades to the fire protection system and the addition of a new waterline at the juvenile detention center. This project was let under the 2011 ADOA Annual Services Contract. <p align="right">Check if project performed with current firm <input checked="" type="checkbox"/></p>		
5.	<b>Veterans Memorial Cemetery Floodplain Feasibility Study, Marana, Arizona</b>	2011	2011
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Mark served as Principal-in-Charge for a feasibility study to determine whether or not the floodplain could be minimized to allow for construction of the Veterans Memorial Cemetery at Marana. This project was let under the 2011 ADOA Annual Services Contract. <p align="right">Check if project performed with current firm <input checked="" type="checkbox"/></p>		



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12. NAME <b>Ramzi Georges, PE, CFM</b>	13. ROLE IN THIS CONTRACT <b>Project Manager</b>	14. YEARS EXPERIENCE	
		a. TOTAL <b>17</b>	b. WITH CURRENT FIRM <b>14</b>

15. FIRM NAME AND LOCATION *(City and State)*  
**David Evans and Associates, Inc. Phoenix, Arizona**

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> BS, Civil Engineering, 1995, Carleton University BS, Business Management, 1995, Carleton University	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Arizona (37287), Professional Civil Engineer, 2002
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*  
Ramzi has 16 years of experience in planning and design and water resources engineering. He has also supervised large groups of design experts in the successful execution of complex projects. Prior to working as a site development engineer, Ramzi worked in water resources and was responsible for the preparation of drainage reports, NPDES permits, and 404 delineation plans, giving him an excellent understanding of site drainage and its impacts to development.

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if Applicable)
1.	<b>Northern Arizona Veterans Memorial Cemetery at Camp Navajo, Arizona</b>	2015	2015 (anticipated)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Ramzi is serving as Project Manager for the design of the new cemetery. Services include planning, preliminary design, and final design of the cemetery and associated infrastructure, including drainage, water and sewer system, environmental assessment, landscape architecture, and architecture. <input checked="" type="checkbox"/> Check if project performed with current firm		
2.	<b>Arizona State Veterans Home, Tucson, Arizona</b>	2010	2012
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Ramzi served as Project Manager for the site civil design elements for a new 130,000 square foot facility. DEA researched existing utilities, modeled water and sewer, prepared a final drainage report and stormwater management plans, and produced final grading, drainage, water, fire, and sewer plans. <input checked="" type="checkbox"/> Check if project performed with current firm		
3.	<b>Adobe Mountain School Fire Water Distribution System, Phoenix, Arizona</b>	2015	2015 (anticipated)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Ramzi served as Project Manager for design of upgrades to the fire protection system and the addition of a new waterline at the juvenile detention center. This project was let under the 2011 ADOA Annual Services Contract. <input checked="" type="checkbox"/> Check if project performed with current firm		
4.	<b>Prescott Veterans Hospital Electrical Deficiencies Correction for Bldg 148, Prescott, Arizona</b>	2011	2011
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Ramzi served as Project Manager for design of upgrades to the electrical system at the Prescott VA Hospital. This project was let under the 2011 ADOA Annual Services Contract. <input checked="" type="checkbox"/> Check if project performed with current firm		
5.	<b>Veterans Memorial Cemetery Floodplain Feasibility Study, Marana, Arizona</b>	2014	n/a
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Ramzi served as project manager for a feasibility study and floodplain analysis for a potential site for a new cemetery near Marana. This project was let under the 2011 ADOA Annual Services Contract. <input checked="" type="checkbox"/> Check if project performed with current firm		



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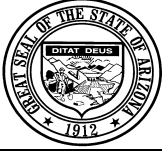
*(Complete one Section 4 for each key person.)*

12. NAME <b>Tom Lute, RLS</b>	13. ROLE IN THIS CONTRACT <b>Survey Project Manager</b>	14. YEARS EXPERIENCE	
		a. TOTAL <b>41</b>	b. WITH CURRENT FIRM <b>24</b>
15. FIRM NAME AND LOCATION <i>(City and State)</i> <b>David Evans and Associates, Inc. Phoenix, Arizona</b>			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Survey & Construction Technical Program, 1978, University of Akron		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Arizona (14959), Registered Land Surveyor, 1982 Ohio (6730), Registered Land Surveyor, 1981	

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*  
As survey manager for DEA's Phoenix office, Tom is responsible for each surveying project from research through submittal of final deliverables. With more than 40 years of experience, he has provided project management for a wide variety of surveying projects, including control, ALTA, boundary, topographic, route, and cadastral surveys; right-of-way acquisition surveys; legal description preparation; strip maps; and construction surveying.

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
1.	<b>SR89A, SR179 to Airport Road, Sedona and Flagstaff, Arizona</b>	2012	n/a
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Tom served as Project Manager for a control survey, data collection along 25 miles of SR89A from Sedona to Flagstaff using our TITAN® Mobile Laser Scanning System, and topographic mapping, DTM and a "best fit" centerline alignment for a 3.5 mile area. By using mobile laser scanning, DEA was able to collect the point cloud data in less than one week without any lane closures and minimal entry into the highway right-of-way. This project was assigned under the ADOT on-call services contract that DEA has had since 2005.	Check if project performed with current firm <input checked="" type="checkbox"/>	
2.	<b>Scottsdale Sonoran Preserve Priority 2 &amp; 4 ALTA/ACSM Land Title Surveys, Scottsdale, AZ</b>	2012	n/a
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Tom served as Project Manager and Project Surveyor for an ALTA/ACSM Land Title Survey on a 1,937-acre parcel and a 1,139-acre parcel in North Scottsdale. City of Scottsdale needed the documents for the proposed purchase of property from AZ State Land Department. This survey spanned six sections of land and required the re-establishment of two section corners. A Record of Survey drawing was filed with Maricopa County.	Check if project performed with current firm <input checked="" type="checkbox"/>	
3.	<b>Pinnacle Peak Area Drainage Master Plan Study/Plan Mapping, Maricopa County, AZ</b>	2011	n/a
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE DEA was selected as a subconsultant to Cooper Aerial Mapping to provide digital topographic maps for approximately 60-square miles in north-central Maricopa County, Arizona. DEA tasks included project control survey, setting aerial panels, performing GPS observations for airborne GPS, and using the TITAN® Mobile Laser Scanner to scan 150 miles of major roadway to create a DTM to 1-foot interval mapping standards which was incorporated into the 2-foot contour interval mapping created by Cooper Aerial. Tom served as Project manager for this effort.	Check if project performed with current firm <input checked="" type="checkbox"/>	
4.	<b>Apache Junction On-Call Survey Services, Apache Junction, AZ</b>	On-Going	n/a
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE DEA is currently under contract with the city of Apache Junction to provide on-call surveying services on an "as needed" basis. A recently completed task order under this on-call was a right-of-way determination for 3 miles of Meridian Road. This survey will be used to supplement a preliminary design project to reconstruct the roadway.	Check if project performed with current firm <input checked="" type="checkbox"/>	



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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>Northern Arizona Veterans Memorial Cemetery at Camp Navajo, Arizona</b>	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2014	CONSTRUCTION <i>(If applicable)</i> 2014 (anticipated)

**23. PROJECT OWNER'S INFORMATION**

c. PROJECT OWNER Arizona Department of Administration	d. DOLLAR AMOUNT OF PROJECT \$703,000 (fee)	e. TOTAL COST OF PROJECT \$7.1 million
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

DEA led the design of a new Veteran's Memorial Cemetery in Northern Arizona. The site is located within the Camp Navajo National Guard Facility but the property will be transferred to Arizona Department of Veteran's Services. DEA conducted a preliminary site investigation that included survey, soil investigation, utility research, and an environmental assessment. Site master planning included a design charette, and architectural elements. DEA then developed the preliminary site concept and designed the site grading and drainage, erosion control plans, water (well) and sewer system, and pump; and managed fire protection, landscape architecture, and architectural design. Offsite improvements included roadway design to connect to the existing roadway on the base. DEA also coordinated with the base for security clearances and with the base engineering and maintenance staff during design. DEA will also provide construction administration services. The project was designed to achieve LEED Silver certification.

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

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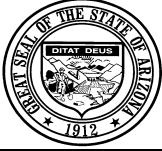
a. TITLE AND LOCATION <i>(City and State)</i> <b>SR89A, SR179 to Airport Road, Sedona and Flagstaff, Arizona</b>	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION <i>(If applicable)</i> n/a

**23. PROJECT OWNER'S INFORMATION**

c. PROJECT OWNER Arizona Department of Transportation	d. DOLLAR AMOUNT OF PROJECT \$54,800	e. TOTAL COST OF PROJECT \$54,800
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

As part of DEA's on-call contract with ADOT, DEA performed a control survey, collected data along 25 miles of SR89A from Sedona to Flagstaff using our TITAN® Mobile Laser Scanning System, and provided topographic mapping, DTM and a "best fit" centerline alignment for the 3.5 mile area from Pump House Wash to the Overlook Scenic Rest Area. By using mobile laser scanning, DEA was able to collect the point cloud data in less than one week without any lane closures and minimal entry into the highway right-of-way. The scan data also allowed the DTM file to include the cut walls without having to occupy the steep slopes providing a much safer project overall.



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

a. TITLE AND LOCATION <i>(City and State)</i> <b>Arizona State Veterans Home, Tucson, Arizona</b>	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2010	CONSTRUCTION <i>(If applicable)</i> 2012

**23. PROJECT OWNER'S INFORMATION**

c. PROJECT OWNER Arizona Department of Veterans Services	d. DOLLAR AMOUNT OF PROJECT \$28,000,000	e. TOTAL COST OF PROJECT \$28,000,000
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

The Arizona State Veterans Home is a 130,000 square foot facility located adjacent to the Tucson Veterans Hospital at 6th Avenue and Ajo Way in Tucson, Arizona. This \$28M, 120-bed skilled nursing facility provides long term and rehabilitative care for geriatric and chronically ill veterans and dependent/surviving spouses from throughout Arizona. As a subconsultant, DEA provided civil engineering services for this fast-track design-build project. Tasks included researching existing utilities, water and sewer modeling, preparing a final drainage report and stormwater management plans, and producing final grading, drainage, water, fire, and sewer plans.

**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>Rancho Gabriela Water Supply Facility, Surprise, Arizona</b>	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2011	CONSTRUCTION <i>(If applicable)</i> 2011

**23. PROJECT OWNER'S INFORMATION**

c. PROJECT OWNER City of Surprise	d. DOLLAR AMOUNT OF PROJECT \$12,500,000	e. TOTAL COST OF PROJECT \$12,500,000
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

DEA designed the Rancho Gabriela Water Supply Facility that serves the southern portion of the City of Surprise. The facility was built in response to additional water demand and consists of 5.5 million gallons of water storage, 3 groundwater wells, booster pumps with capacity of 21,000 gpm (30.2 MGD), and an arsenic removal system to treat a raw water flowrate of 12,000 gpm (17.3 MGD).

The facility was designed and constructed in four phases over a period of 10 years. DEA prepared a water supply facility master plan that sized and defined each phase. The master plan established demand increments that specified when the next phase was required.

The water storage reservoirs consist of above ground steel tanks. The original reservoir has a capacity of 3.5MG and the second reservoir added during expansion phase 3 has a capacity of 2.0MG. The booster pumps are veritable frequency drive pumps to allow additional flexibility with pumping rates and result in less energy usage. The entire facility is control by equipment housed in two buildings. The facility also includes two hydropneumatic tanks to account for nuisance demands. Two standby generators provide emergency power in the event of a citywide power outage.





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a. TITLE AND LOCATION <i>(City and State)</i>	b. YEAR COMPLETED	
<b>Ed Pastor Regional Transit Center at Central and Broadway, Phoenix, Arizona</b>	PROFESSIONAL SERVICES 2004	CONSTRUCTION <i>(If applicable)</i> 2004

**23. PROJECT OWNER'S INFORMATION**

c. PROJECT OWNER City of Phoenix	d. DOLLAR AMOUNT OF PROJECT \$3,500,000	e. TOTAL COST OF PROJECT \$3,500,000
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

DEA was the lead firm providing engineering, planning, landscape architecture, urban design, historic preservation, and construction management services for this transit center project. The 5-acre transit center at South Mountain Village in Phoenix provides increased bus capacity and operational flexibility to accommodate transit needs in the area. The center has eight bus bays, bicycle racks and lockers, signage and other information/way finding, shelter from the elements, waiting areas, pedestrian crossings, trash receptacles, benches, landscaping, and public art. This \$3.5 million project incorporates a restored historic building and highlights the agricultural heritage of south Phoenix. The project also involved coordination with local stakeholders as well as a multidiscipline project team. A goal of the project was to develop a more modern image for the area, and ensure the center's compatibility with the nearby South Mountain Preserve Park.



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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.)

David Evans and Associates, Inc. (DEA) takes pride in providing quality, value-driven service to both public and private clients throughout Arizona. We set a high standard for quality and seek to understand the needs of each client. Strong client relationships with sound project management skills provide the formula for continued project success.

DEA is experienced with executing on-call contract task orders for many government agencies throughout Arizona, including the Arizona Department of Transportation, Maricopa County Department of Transportation, Flood Control District of Maricopa County, City of Phoenix, City of Tempe, City of Glendale, City of Scottsdale, and Town of Queen Creek.

DEA is committed to providing engineering and surveying services to Arizona Department of Administration and is available to proceed with task orders without delay.

FIRM OVERVIEW

DEA is a multi-disciplinary consulting firm that has been filling the need for high-quality engineering, planning, and surveying services since 1976. The Phoenix office was established in 1991. Today, DEA has more than 650 employees including professional engineers, surveyors, planners, transportation experts, right-of-way specialists, and construction managers. The firm has 20 offices in Arizona, California, Colorado, Idaho, New York, Oregon, and Washington.

DEA's organization includes four business lines: transportation, land development, water, and energy. All four business lines are supported by a geomatics (survey) center of excellence, an alternative delivery methods discipline, a landscape architecture group, environmental professionals, and a construction management team as needed.

DEA has implemented an aggressive, firmwide program of Total Quality Management (TQM). Committees in each office specifically identify issues, develop recommendations, and implement solutions. The firm's goal is to achieve "built-in" quality systems at the beginning of a project through to its completion. Quality control provides an additional assurance that all processes are working and that the end product will meet the client's high standards.

ENGINEERING SERVICES

Land Development Engineering

Land Planning & Entitlement Services

- Land Acquisition Due Diligence
- Pre-Development Scheduling and Coordination
- Critical Path Management
- Preliminary Land Planning/Lotting Studies
- Site Planning
- Sustainable Community Design
- Land Use/Zoning Strategies
- Rezoning Coordination and Presentations
- Governmental Agency/Environmental Permitting
- Neighborhood Outreach/Public Participation
- Development Cost Estimates

Civil Engineering Design Services

- Residential Design
- Site Development
- Grading and Drainage Plans
- Paving Design
- Utility Design and Coordination

Transportation Engineering

Transportation Engineering

- Roads and Highways

- Bikeways
- Light Rail
- Airport Facilities
- Roundabouts

Transportation Planning

- Multimodal, Highway & Transit Planning
- Corridor Studies
- Transit Station Planning
- Park-and-Ride Planning
- Intelligent Transportation Systems (ITS)/Advanced Technology Plans
- Federal and State Environmental Documentation

Traffic Engineering

- Signing & Striping Plans
- Signal Design
- Pedestrian/Parking Studies
- Accident Analyses
- Traffic Impact Analyses
- Roundabouts

Bridge Engineering & Inspection

- Bridge Design
- Bridge Type Selection Reports



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

- Bridge Rehabilitation
- Bridge Inspection
- Bridge Management
- Bridge Overload Permitting Analysis and Inspection
- Athletic Fields and Sport Courts
- Open Space Master Planning
- Reclamation and Restoration
- Erosion Control and Bank Stabilization
- Park Planning and Design
- Wayfinding and Signage Guideline Preparation

**Water Engineering**

**Water Resource Services**

- Hydrology/Hydraulics Analysis & Design
- Floodplain Delineation Studies
- Watershed Analysis
- Solutions to Street Flooding Problems
- Roadway Drainage Design
- FEMA LOMR/CLOMR Studies
- 401 Certification/404 Permitting

**Water/Wastewater Services**

- Water/Wastewater Master Plans
- Wastewater Collection Systems
- Large Diameter Trunk Sewers
- Lift Stations and Force Mains
- Waterlines
- Booster Stations
- Water Distribution Systems
- Well Sites
- Water Storage Facilities
- Hydropneumatic Tanks
- Water Disinfection
- PRV Stations
- Construction Administration/Inspection

**Energy Engineering**

**Traditional Energy**

- Site Selection
- Permitting
- Electrical Design
- Transmission and Distribution Line Design
- Substation Design
- Site Civil Design

**Renewable Energy Design (Solar, Wind, Geothermal, and Wave)**

- Site Selection
- Feasibility Studies
- Wind Potential Analysis
- Tower & Turbine Placement
- Impact Analysis
- Permitting
- Electrical Design
- Site Civil Design

**LAND SURVEYING SERVICES**

- Mobile Laser Scanning
- 3D Laser Scanning
- Geodetic Surveys
- Cadastral Surveys
- ALTA Surveys
- Boundary Surveys
- Topographic Surveys
- Hydrographic Surveys
- Construction Surveys
- Field-to-Finish Mapping
- GPS Surveys
- Base Mapping Services
- Platting Services

**LANDSCAPE ARCHITECTURE SERVICES**

- Planting and Irrigation Design
- Project Thematic and Neighborhood Character Design
- Gateway and Streetscape Design
- Playground, Trail and Trailhead Design



ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:  
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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:	37
b. Percentage of Total Work Attributable to Non-Government Work:	27

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

Signature: Mark D. Borushko

Date: December 23, 2014

Name: Mark D. Borushko

Title: Vice President & General Manager