



Offer and Acceptance

State of Arizona
State Procurement Office
100 N. 15th Ave. Suite 201
Phoenix, AZ 85007

SOLICITATION NO.: ADSP016-00005912 Request
for Qualifications: 2016 Annual Professional
Services List

PAGE
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Offeror: Hilgartwilson, LLC

OF
1

OFFER

TO THE STATE OF ARIZONA:

The Undersigned hereby offers and agrees to furnish the material, service or construction in compliance with all terms, conditions, specifications and amendments in the Solicitation and any written exceptions in the offer. Signature also certifies Small Business status.

HILGARTWILSON, LLC

Company Name

2141 E. Highland Avenue, Suite 250

Address

Phoenix AZ 85016

City State Zip

rhilgart@hilgartwilson.com

Contact Email Address

Signature of Person Authorized to Sign Offer

Ron Hilgart

Printed Name

Managing Principal

Title

Phone: (602) 490-0535 x103

Fax: (602) 368-2436

By signature in the Offer section above, the Offeror certifies:

1. The submission of the Offer did not involve collusion or other anticompetitive practices.
2. The Offeror shall not discriminate against any employee or applicant for employment in violation of Federal Executive Order 11246, State Executive Order 2009-9 or A.R.S. §§ 41-1461 through 1465.
3. The Offeror has not given, offered to give, nor intends to give at any time hereafter any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor, or service to a public servant in connection with the submitted offer. Failure to provide a valid signature affirming the stipulations required by this clause shall result in rejection of the offer. Signing the offer with a false statement shall void the offer, any resulting contract and may be subject to legal remedies provided by law.
4. The Offeror certifies that the above referenced organization IS/ IS NOT a small business with less than 100 employees or has gross revenues of \$4 million or less.

ACCEPTANCE OF OFFER

The Offer is hereby accepted.

The Contractor is now bound to sell the materials or services listed by the attached contract and based upon the solicitation, including all terms, conditions, specifications, amendments, etc., and the Contractor's Offer as accepted by the State.

This Contract shall henceforth be referred to as Contract No. ADSP016-00005912

The effective date of the Contract is March 1, 2016

The Contractor is cautioned not to commence any billable work or to provide any material or service under this contract until Contractor receives purchase order, contract release document or written notice to proceed.

State of Arizona
Awarded this 26 day of February 2016

Procurement Officer



ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP016-00005912

STATE PROCUREMENT OFFICE
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DEFINITIONS

Architect Services, Engineer Services, Land Surveying Services, Assayer Services, Geologist Services and Landscape Architect Services: Those professional services within the scope of the practice of those services as provided in ARS § 32-101.

Branch Office: A geographically distinct place of business or subsidiary office of a firm that has a key role on the team.

Discipline: Primary technical capabilities of key personnel, as evidenced by academic degree, professional registration, certification, and/or extensive experience.

Firm: Defined in ARS § 32-101(B.19.).

Key Personnel: Individuals who will have major contract responsibilities and/or provide unusual or unique expertise.

SPECIFIC INSTRUCTIONS:

1. Complete this form for each branch office seeking work under this RFQ.

a. – e. **Firm (or Branch Office) Name and Address.** Self-explanatory.

f. **Year Established.** Enter the year the firm (or branch office, if appropriate) was established under the current name.

g. **Ownership.**

(g1). *Type.* Enter the type of ownership or legal structure of the firm (sole proprietor, partnership, corporation, joint venture, etc.).

(g2). *Small Business Status.* A firm is a small business if the firm has less than 100 employees **or** has gross revenues of \$4 million or less.

h.-j. **Point of Contact.** Provide this information for a representative of the firm that the Customer can contact for additional information. The representative must be empowered to speak on contractual and policy matters.

k. **Name of Firm.** Enter the name of the firm.

2. **Employees by Discipline.**

a. Select disciplines from the List of Disciplines (Function Code) listed on Page 3 of 4 Instructions. For employees that do not qualify for any of the disciplines, select "Other". *Note: The intended searchable database indicated in the RFQ will be populated from the Qualifications Form I Excel attachment only.*

b. Each person can be counted only twice; once for his/her primary function and once for his/her secondary function. Primary and secondary functions should be indicated by including a "P" or an "S" in column b after the Description Title is given.

c-d. If the form is completed for a firm (including all branch offices), enter the number of employees by disciplines in column c. If the form is completed for a branch office, enter the number of employees by discipline in column d and for the firm in column c.

3. **Profile of Firm's Experience and Annual Average Revenue for Last Year.**

a. Enter the approximate number of projects the firm (or branch) has done attributable by Profile Code listed on Page 3 of 4 Instructions over the last year.



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- b. Enter the appropriate Profile Codes from Instructions Pages 3 of 4 that represent the type of work the firm (or branch) has done over the last year.
 - c. Using the Revenue Index Number on Page 3 of 6 Form, indicate the approximate revenue the firm has earned over the last year per Profile Code entered into the table.
4. **Resumes of Key Personnel Proposed for This Contract.** Complete this section for each key person who will participate in this contract.
 - a. Self-explanatory.
 - b. Self-explanatory
 - c. Total years of relevant experience (block c1), and years of relevant experience with current firm, but not necessarily the same branch/office (block c2).
 - d. Name, City and State of the firm where the person currently works, which must correspond with one of the firms (or branch office or a firm, if appropriate) listed in Section 1.
 - e. Provide information on the highest relevant academic degree(s) received. Indicate the area(s) of specialization for each degree.
 - f. Provide information on current relevant professional registration(s) and in which State(s) they are current.
 - g. Provide information on any other professional qualifications relating to this contract, such as education, professional registration, publications, organizational memberships, certifications, training, awards, and foreign language capabilities.
 - h. Provide information on no more than five (5) projects in the last year which the person had a significant role that demonstrates the person's capability relevant to her/his proposed role in this contract. These projects do not necessarily have to be any of the projects presented in Section 5 for the project team if the person was not involved in any of those those projects or the person worked on other projects that were more relevant than the team projects in Section 5. Use the check box provided to indicate if the project was performed with any office of the current firm. If any of the professional services or construction projects are not complete, leave Year Completed blank and indicate the status in Brief Description and Specific Role.
5. **Example Projects Which Best Illustrate Firms Qualification for this contract.** Select project where multiple team members worked together, if possible, that demonstrate the team's capability to perform work similar to that required for this contract. Complete one Section 5 for each project. List no more than five (5) projects.
 - a. Title and Locations of project or contract. For an indefinite delivery contract, the location is the geographic scope of the contract.
 - b. Enter the year completed of the professional services (such as planning, engineering study, or design), and/or the year completed if construction. If any of the professional services or the construction projects are not complete, leave Year Completed blank and indicate the status in Brief Description of Project and Relevance to This Contract (block f).
 - c. Project Owner or user, such as a government agency or installation, an institution, a corporation or private individual.
 - d. Provide the original budget or not to exceed dollar amount for the project.
 - e. Provide the Total Cost of the Project. If any of the professional services or construction projects is not complete, indicate the percentage complete and whether this project will be on budget, over or under budget.
 - f. Brief Description: Indicate scope, size, and length of project, principle elements and special features of the project. Discuss the relevance of the example project to this contract.
6. **Additional Information.** Use this section to provide additional information you feel may be necessary to describe your firm's qualifications for this contract.
7. **Annual Average Professional Services Revenues of Firm for Last 3 Years.** Complete this block for the firm or branch office for which this form is completed. In column a, enter an approximate percentage of total work attributable to State, Federal or Municipal Work. In column b, enter an approximate percentage of total work attributable to Non-Government work. Percentages should take into consideration work completed over the last 3 years.



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8. **Authorized Representative.** An authorized representative of the firm or branch office must sign and date the completed form. Signing attests that the information provided is current and factual. Provide the name and title of the authorized representative who signed the form.

List of Disciplines (Function Codes) for Question 2

- | | | |
|---------------------------|--|--------------------------|
| Aeronautical Engineer | Environmental Engineer | Mining Engineer |
| Agricultural Engineer | Environmental Scientist | Nuclear Engineer |
| Archeologist | Fire Protection Engineer | Petroleum Engineer |
| Architect | Geodetic Surveyor | Photogrammetrist |
| Architectural Engineering | Geographic Information System Specialist | Project Manager |
| Biologist | Geological Engineer | Sanitary Engineer |
| CADD Technician | Geologist | Soils Engineer |
| Chemical Engineer | Hydrographic Surveyor | Structural Engineer |
| Civil Engineer | Hydraulic Engineer | Technician/Analyst |
| Construction Manager | Hydrologist | Transportation Engineer |
| Construction Inspector | Industrial Engineer | Water Resources Engineer |
| Control Systems Engineer | Landscape Architect | |
| Cost Engineer/Estimator | Mechanical Engineer | |
| Ecologist | Metallurgical Engineer | |
| Electrical Engineer | | |

List of Experience Categories (Profile Codes for Question 3)

- | | |
|---|--|
| Acoustics, Noise Abatement | Dams (<i>Concrete; Arch</i>) |
| Aerial Photography; Airborne Data and Imagery Collection and Analysis | Dams (<i>Earth; Rock</i>); Dikes; Levees |
| Activity Centers | Desalinization (<i>Process and Facilities</i>) |
| Air Pollution Control | Design-Build - Preparation of Requests for Proposals |
| Airports; Navajds; Airport Lighting; Aircraft Fueling | Digital Elevation and Terrain Model Development |
| Airports; Terminals and Hangars; Freight Handling | Digital Orthophotography |
| Agricultural Development; Grain Storage; Farm Mechanization | Dining Halls; Clubs; Restaurants |
| Animal Facilities | Dredging Studies and Design |
| Anti-Terrorism/Force Protection | Design & Planning Structured Parking Facilities |
| Area Master Planning | Detention Security Systems |
| Auditoriums and Theaters | Disability / Special Needs |
| Automation; Controls; Instrumentation | Ecological and Archeological Investigations |
| Barracks; Dormitories | Educational Facilities; Classrooms |
| Bridge Design: Bridges | Electrical Studies and Design |
| Cartography | Electronics |
| Cemeteries (<i>Planning and Relocation</i>) | Elevators; Escalators; People-Movers |
| Chemical Processing and Storage | Energy / Water Auditing Savings |
| Child Care/Development Facilities | Energy Conservation; New Energy Sources |
| Codes; Standards; Ordinances | Environmental Impact Studies, Assessments or Statements |
| Cold Storage; Refrigeration and Fast Freeze | Fallout Shelters; Blast-Resistant Design |
| Commercial Building (<i>Low Rise</i>); Shopping Centers | Fire Protection |
| Community Facilities | Fisheries; Fish Ladders |
| Communications Systems; TV; Microwave | Forensic Engineering |
| Computer Facilities | Garages; Vehicles Maintenance Facilities; Parking |
| Conservation and Resource Management | Gas Systems (<i>Propane; Natural, Etc.</i>) |
| Construction Management | Geodetic Surveying: Ground and Airborne |
| Construction Surveying | Heating; Ventilating; Air Conditioning |
| Corrosion Control; Cathodic Protection Electrolysis | Highways; Streets; Airfield Paving; Parking Lots |
| Cost Estimating; Cost Engineering and Analysis; Parametric Costing; Forecasting | Historical Preservation |
| Cryogenic Facilities | Hospital and Medical Facilities |
| Construction Materials Testing | Hotels; Motels |
| | <i>Housing (Residential, Multi-Family; Apartments; Condominiums)</i> |



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Hotels; Motels
Hydraulics and Pneumatics
Hydrographic Surveying
Industrial Buildings; Manufacturing Plants
Industrial Processes; Quality Control
Industrial Waste Treatment
Intelligent Transportation Systems
Infrastructure
Irrigation; Drainage
Judicial and Courtroom Facilities
Laboratories; Medical Research Facilities
Land Surveying
Landscape Architecture
Libraries; Museums; Galleries
Lighting (*Interior; Display; Theater, Etc.*)
Lighting (*Exteriors; Streets; Memorials; Athletic Fields, Etc.*)
Labs - General
Labs – Research – Dry
Labs – Research – Wet
LEED Accredited A/E
LEED Independent 3rd Party Building Commissioning
Mapping Location/Addressing Systems
Materials Handling Systems; Conveyors; Sorters
Metallurgy
Materials Testing
Measurement / Verification / Conservation Water Consumption Savings
Mining and Mineralogy
Medical Related
Modular Systems Design; Fabricated Structures or Components
Mold Investigation
Museums
Nuclear Facilities; Nuclear Shielding
Office Buildings; Industrial Parks
Outdoor Recreation
Petroleum and Fuel (*Storage and Distribution*)
Photogrammetry
Pipelines (*Cross-Country - Liquid and Gas*)
Phase I Environmental
Prisons & Correctional Facilities
Plumbing and Piping Design
Prisons and Correctional Facilities
Product, Machine Equipment Design Pneumatic Structures, Air-Support Buildings Power Generation, Transmission, Distribution Public Safety Facilities
Radar; Sonar; Radio and Radar Telescopes
Radio Frequency Systems and Shielding's
Railroad; Rapid Transit
Recreation Facilities (*Parks, Marinas, Etc.*)
Refrigeration Plants/Systems
Rehabilitation (*Buildings; Structures; Facilities*)
Research Facilities
Resources Recovery; Recycling
Roof Infrared Imaging to Identify Water Leaks

Roofing
Safety Engineering; Accident Studies; OSHA Studies
Security Systems; Intruder and Smoke Detection
Seismic Designs and Studies
Sewage Collection, Treatment and Disposal
Soils and Geologic Studies; Foundations
Solar Energy Utilization
Solid Wastes; Incineration; Landfill
Special Environments; Clean Rooms, Etc.
Structural Design; Special Structures
Surveying; Platting; Mapping; Flood Plain Studies
Sustainable Design
Swimming Pools
Storm Water Handling and Facilities
Specifications Writing
Toxicology
Testing and Inspection Services
Traffic and Transportation Engineering
Topographic Surveying and Mapping
Towers (*Self-Supporting and Guyed Systems*)
Tunnels and Subways
Traffic Studies
Transportation
Urban renewals; Community Development
Utilities (*Gas and Steam*)
Value Analysis; Life-Cycle Costing
Warehouse and Depots
Water Resources; Hydrology; Ground Water
Water Supply; Treatment and Distribution
Wind Tunnels; Research/Testing Facilities Design
Waste Water Treatment Facility
Water Well Rehabilitation; Water Well Work
Zoning; Land Use Studies



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(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:	HILGARTWILSON, LLC
b. FIRM (OR BRANCH OFFICE) STREET:	2141 East Highland Ave. #250
c. FIRM (OR BRANCH OFFICE) CITY:	Phoenix
d. FIRM (OR BRANCH OFFICE) STATE:	AZ
e. FIRM (OR BRANCH OFFICE) ZIP CODE:	85016
f. YEAR ESTABLISHED:	2009
(g1). OWNERSHIP - TYPE:	Partnership
(g2) OWNERSHIP - SMALL BUSINESS STATUS:	Small Business
h. POINT OF CONTACT NAME AND TITLE:	Ron Hilgart, Managing Principal
i. POINT OF CONTACT TELEPHONE NUMBER:	(602) 490-0535 x 103
j. POINT OF CONTACT E-MAIL ADDRESS:	rhilgart@hilgartwilson.com
k. NAME OF FIRM <i>(If block 1a is a branch office):</i>	



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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 (see below)
28	Commercial Building (Low Rise); Shopping Centers	4
5	Community Facilities	2
14	Construction Management	3
14	Construction Surveying	3
5	Cost Estimating; Cost Engineering and Analysis: Parametric Costing: Forecasting	2
14	Highways; Streets; Airfield Paving; Parking Lots	3
58	Housing (Residential, Multi-Family; Apartments; Condominiums)	5
28	Infrastructure	4
5	Irrigation; Drainage	2
28	Land Surveying	4
5	Sewage Collection, Treatment and Disposal	2
16	Surveying; Platting; Mapping; Flood Plain Studies	4
5	Storm Water Handling Facilities	2
5	Topographic Surveying and Mapping	2
14	Transportation	3
14	Water Resources; Hydrology; Ground Water	3
5	Wastewater Treatment Facility	2
14	Zoning; Land Use Studies	3

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 |

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

a. NAME Ron Hilgart	b. ROLE IN THIS CONTRACT Managing Principal	c. YEARS EXPERIENCE	
		1. TOTAL 32	2. WITH CURRENT FIRM 6
d. LOCATION <i>(City and State)</i> Phoenix, AZ			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Bachelor of Science – Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS Professional Engineer - AZ	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> ASCE, APWA, ULI, ACEC. Past President of ASCE-YMF. Past City of Peoria Council Member and Chairman of the Planning and Zoning Commission. Past Board Member of Maricopa County Sports Commission. Currently, Chairman of the ASU Friends of Civil Engineering Steering Committee.			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION <i>(City and State)</i> Tierra Del Rio, Peoria, Arizona	(2) YEAR COMPLETED Ongoing
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Principal for this 1,041 acre master planned community. Provided planning, entitlements, engineering, construction management and surveying. Project was 1st entitled through Maricopa County and later annexed and entitled through Peoria. Constraints, opportunities and challenges on the project included floodplain management and recovery of lands from the floodplain, 404 delineations and permitting, hillside development, mountainside preservation and significant utility extensions and upgrades. Infrastructure improvements were in excess of \$50M.	Professional Services Planning, Entitlements, Engineering, Surveying
		Construction (if applicable) Partially Constructed
	<input checked="" type="checkbox"/> Check if project performed with current firm	
2.	(1) TITLE AND LOCATION <i>(City and State)</i> Town of Miami Wastewater System Improvements, Miami, Arizona	(2) YEAR COMPLETED Ongoing
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Principal overseeing the design of a new grit separator at the wastewater treatment plant, new septage receiving station, upgrades to the existing wastewater treatment plant lift station and the construction of 64,000 lineal feet of new sewer lines, which will replace 100 year old sewer lines, throughout the Town of Miami, Arizona.	Professional Services Project Management, Civil Engineering
		Construction (if applicable) Partially Constructed
	<input checked="" type="checkbox"/> Check if project performed with current firm	
3.	(1) TITLE AND LOCATION <i>(City and State)</i> Moon Valley Country Club/Lookout Mountain Golf Course Water Line, Phoenix, Arizona	(2) YEAR COMPLETED Ongoing
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project principal for the engineering design, construction management and topographic survey services for the installation of a 2,500 gpm raw water pump station, 23,100 LF of 16-inch water main and 8,200 LF of 12-inch water main to convey water from the Arizona Canal to lakes at the Cave Creek Golf Course, Moon Valley Country Club, and Lookout Mountain Golf Course for irrigation use. This project includes raw water pump station design, topographic survey, utility coordination, coordination with SRP, permitting, construction-phase engineering support, and construction management services.	Professional Services Civil Engineering, Project Management, Construction Management, Surveying
		Construction (if applicable) Bidding and groundbreaking expected this summer
	<input checked="" type="checkbox"/> Check if project performed with current firm	
4.	(1) TITLE AND LOCATION <i>(City and State)</i> Arroyo Seco, Buckeye, Arizona	(2) YEAR COMPLETED Ongoing
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Principal and Project Manager for this 350 acre residential development. Services included land planning, entitlements, preliminary engineering and preliminary platting for 1051 residential units with parks and open space. Subsequently, provided final engineering and platting for the first phase, consisting of 418 residential units. Engineering included the design of all infrastructure, including a well, booster pumps and reservoir for a new water system, extensive drainage improvements and approximately 2.5 miles of arterial street improvements.	Professional Services Land Planning, Entitlements, Surveying, Engineering
		Construction (if applicable) Estimated to break ground spring of 2016
	<input checked="" type="checkbox"/> Check if project performed with current firm	
5.	(1) TITLE AND LOCATION <i>(City and State)</i> Zanjero Trails, Maricopa County and Surprise, Arizona	(2) YEAR COMPLETED Ongoing
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Principal for this 2,700 acre master planned community owned by the Maricopa Water District. The project is unique in that it is 9 miles long with portions in unincorporated portions of Maricopa County and portions within the City of Surprise. Portions are also in Buckeye's planning area. Provided planning, entitlements, engineering, and surveying. To date, all of the 2,700 acres is entitled and land planned, several thousand residential units are preliminary platted, a couple thousand residential units are engineered and final platted, and a high school and some infrastructure has been constructed.	Professional Services Land Planning, Entitlements, Surveying, Engineering
		Construction (if applicable) Partially Constructed
	<input checked="" type="checkbox"/> Check if project performed with current firm	

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

a. NAME Darrell Wilson	b. ROLE IN THIS CONTRACT Managing Principal	c. YEARS EXPERIENCE	
		1. TOTAL 26	2. WITH CURRENT FIRM 6
d. LOCATION <i>(City and State)</i> Phoenix, AZ			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS Professional Engineer – AZ and CO	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> Board of Directors – Pinal Partnership, Past City of Phoenix Advisory Board, Homebuilders Association of Central Arizona, Luke Air Force Base 62nd Fighter Squadron - HC			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION <i>(City and State)</i> Legends (7,000 acre Planned Community), Casa Grande, AZ	(2) YEAR COMPLETED 2004-2007	Professional Services Masterplan engineering Land Use planning Infrastructure design/engineering Land Surveying Entitlements	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Served as the project principal responsible for leading the design effort associated with this large scale planned project located approximately six miles west of downtown Casa Grande in Pinal County. Teaming with LVA, the firm prepared the annexation application and two General Plan Amendments. Coordinated with the City of Casa Grande and Pinal County with respect to regulatory documentation and zoning. Instrumental in leading the public involvement effort to initiate community outreach, and speaking at public meetings and to interested stakeholders. The community includes a large regional park, two village cores, seven elementary schools, two middle schools, two high schools, and numerous commercial parcels.	<input type="checkbox"/>	Check if project performed with current firm	
2.	(1) TITLE AND LOCATION <i>(City and State)</i> The Preserve at Goldfield Ranch (2,100 acre Planned Community) Unincorporated Maricopa County, AZ	(2) YEAR COMPLETED 2007-2012	Professional Services Master Plan engineering Land Use planning Infrastructure design/engineering Land Surveying Entitlements	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Served as the project principal for this development of approximately 2,079 acres located in the northeast fringes of unincorporated Maricopa County where conceptual land uses and site planning studies were completed. In preparation for the Development Master Plan Amendment and Unit Plan of Development zoning, participated in development team design charettes. The Preserve Development Master Plan was amended to conform to the client's desired plan of development. The Development Master Plan is required for large master planned communities prior to rezoning, allowing for creative design and ensuring adequate facilities and infrastructure are provided. The design team was responsible for the Unit Plan of Development rezoning to provide variations in development standards and innovative project design, and also provided presentation graphics, marketing exhibits, and land use concept exhibits for neighborhood meetings.	<input checked="" type="checkbox"/>	Check if project performed with current firm	
3.	(1) TITLE AND LOCATION <i>(City and State)</i> Tempe Lakeside Apartments, Tempe, AZ	(2) YEAR COMPLETED 2014-15	Professional Services Civil Engineering/Design Land surveying Construction Staking	Construction (if applicable) 2015-16
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Served as Project Principal for this mixed use development within Tempe called Tempe Lakeside Apartments which is being developed on the north side of the Tempe Town Lake, south of the Loop 202 and will include 284 apartment units with 4,000 sf of retail. As part of the permitting of the project HILGARTWILSON has coordinated with various agencies such as City of Tempe, Salt River Project, Arizona Department of Transportation, the City of Phoenix who serves as the reviewing agency for the Sub-Regional Operating Group committee, and the Flood Control District of Maricopa County. The project is scheduled to start construction at the beginning of 2015. HILGARTWILSON provided civil engineering and surveying services for the entitlements and permitting portions of the project.	<input checked="" type="checkbox"/>	Check if project performed with current firm	
4.	(1) TITLE AND LOCATION <i>(City and State)</i> Adora Trails, Gilbert, AZ	(2) YEAR COMPLETED 2010 to Current	Professional Services Land Use & Master Planning Civil Engineering/Design Infrastructure Parcel Improvements	Construction (if applicable) 2010 - Current
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Served as Project Principal for this planned community in the Town of Gilbert consisting of approximately 580ac of land at the southwest corner of Riggs Rd and Constellation Way. The Adora Trails community includes a wide range of product type and approximately 1800 single-family homes, an elementary school and a community center. Services include civil engineering design, community site planning and development consulting.	<input checked="" type="checkbox"/>	Check if project performed with current firm	

<p>(1) TITLE AND LOCATION (<i>City and State</i>) Phoenix Sky Train Public Transportation System, Phoenix, AZ</p>	<p>(2) YEAR COMPLETED 2011-2015</p>	
<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Served as Project Principal for the surveying and engineering design services for the Phoenix Sky Train (automated people mover system) Segment 1A, a 3,600-ft expansion from Terminal 4 to Terminal 3 at Sky Harbor Airport. As part of the Design / Build team with Weitz Company, HILGARTWILSON provided civil design and construction services (staking, engineering, inspections, and as-built plans) for the Phoenix Sky Train running surface and guidebeam infrastructure. Due to the computer control aspects of the system, very exacting tolerances were required for design and construction staking/layout to ensure adequate ride quality, which HILGARTWILSON successfully met. Horizontal and vertical design elements, as well as 3-D vehicle clearance envelope evaluations were critical in meeting the correct ride requirements for the system. HILGARTWILSON used a combination of horizontal layout and vertical profile for the running surface and guidebeam installations. HILGARTWILSON developed dynamic design tools to produce the extensive tables required for guidebeam manufacturing, allowing minor profile modifications to be quickly updated on the plans and in the guidebeam tables. HILGARTWILSON, as part of the Design/Build Team, delivered the completed construction to the City of Phoenix and The Weitz Company, on-time and within budget.</p>	<p>Professional Services Civil Engineering/Design Land Surveying – Design Construction Staking</p>	<p>Construction (if applicable) 2013/2014</p>
<p>5.</p>	<p><input checked="" type="checkbox"/></p>	<p>Check if project performed with current firm</p>

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

a. NAME Nguyen Lam	b. ROLE IN THIS CONTRACT Senior Project Manager	c. YEARS EXPERIENCE	
		1. TOTAL 17	2. WITH CURRENT FIRM 6
d. LOCATION <i>(City and State)</i> Phoenix, AZ			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS Professional Engineer – AZ and CA	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> Valley Partnership – Member; Homebuilders Association of Central Arizona - Member			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION <i>(City and State)</i> Desert Ridge Superblock 7 North, Phoenix, Arizona	(2) YEAR COMPLETED 2013- Ongoing
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager for the preliminary site and final documents for the remaining 5 parcels at SuperBlock 7 North at the Desert Ridge community. The project contemplated the development of a gated, private subdivision that will offer a total of 265 lots ranging from 45-foot wide to 65-foot wide lots. The project is located near the confluence of two major wash corridors that required extensive hydrologic and hydraulic evaluations and design. In addition to onsite improvements, offsite roadway improvements are needed for Pinnacle Peak Road and private collector bisecting the site.	Professional Services Engineering, Survey and Land Planning
		<input checked="" type="checkbox"/> Check if project performed with current firm
2.	(1) TITLE AND LOCATION <i>(City and State)</i> Tegavah, Maricopa County, Arizona	(2) YEAR COMPLETED Ongoing
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager for the entitlement and engineering for the 856-acre, 1,250 lot master planned community in the Rio Verde area. The project was initially developed with large custom lots in Unit 1. As part of the current scope of work, a Development Master Plan and Rezone was obtained for the project, which included the preliminary plat for the first 244 lots. The engineering for the project is in progress with development of the first 244 lots to begin first quarter of 2015.	Professional Services Engineering, Survey, and Land Planning
		<input checked="" type="checkbox"/> Check if project performed with current firm
3.	(1) TITLE AND LOCATION <i>(City and State)</i> Adora Trails, Gilbert, Arizona	(2) YEAR COMPLETED 2010-Ongoing
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager for the development of a 586-acre subdivision totaling 1,871 single family lots. The project is composed of multiple phases of residential subdivisions with a central community center and park. The first phase of the community was developed in 2007. Since then, HILGARTWILSON prepared final plats and improvement plans for 511 lots with design work underway for the balance of the project.	Professional Services Engineering, Survey, and Land Planning
		<input checked="" type="checkbox"/> Check if project performed with current firm
4.	(1) TITLE AND LOCATION <i>(City and State)</i> The Bridges at Gilbert (East), Gilbert, Arizona	(2) YEAR COMPLETED 2013
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager for the design of a 202-acre community consisting of 571 single family lots. This was a portion of The Bridges at Gilbert, which had contemplated a high density residential community. Mr. Lam worked closely with the owner team to obtain a PAD Amendment to enable development of conventional single family lots. The scope included approximately 2,300 lineal feet of collector road including water, sewer, and reclaimed water main improvements and a new boxed culvert to cross the Sonoqui Wash. The crossing required coordination with the Flood Control District of Maricopa County and obtaining a 404 Nationwide Permit.	Professional Services Engineering, Survey, and Land Planning
		<input checked="" type="checkbox"/> Check if project performed with current firm
5.	(1) TITLE AND LOCATION <i>(City and State)</i> Marbella Vineyards, Gilbert, Arizona	(2) YEAR COMPLETED 2012-2013
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager for the development of a 100-acre subdivision totaling 294 single family lots. HILGARTWILSON prepared an updated preliminary plat including final plat and construction plans. Design services included the half street improvement of a major arterial road abutting the site and evaluating existing offsite drainage impacting the site. The scope of services has also included overall project management and ongoing efforts that include construction management services.	Professional Services Engineering, Survey, and Land Planning
		<input checked="" type="checkbox"/> Check if project performed with current firm

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

a. NAME Kirk Pangus	b. ROLE IN THIS CONTRACT Director of Survey Services	c. YEARS EXPERIENCE	
		1. TOTAL 42	2. WITH CURRENT FIRM 3
d. LOCATION <i>(City and State)</i> Phoenix, AZ			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> BS /BA		f. PROFESSIONAL TRAINING - REGISTRATIONS Registered Land Surveyor – AZ, CA, CO, ID, OK, NV, TX, UT	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> Certified Federal Surveyor, (CFedS) per USDOJ, BLM; APLS; NSPS; WFPS			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION <i>(City and State)</i> 175 th Avenue & Lower Buckeye Road, Goodyear, Arizona		(2) YEAR COMPLETED 2015	
			Professional Services ALTA - NSPS Land Title Survey	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Completion of an ALTA – NSPS Survey for a 40 acre (vacant land) site abutting 175th Ave & Lower Buckeye Road. This project included analysis of the Title Report and associated documents which affect the property and its potential uses. Cost was \$5,000.00 My role was project principal and responsible registrant for the completion of the survey.	<input checked="" type="checkbox"/>	Check if project performed with current firm	
2.	(1) TITLE AND LOCATION <i>(City and State)</i> Peart Park, Casa Grande, Arizona		(2) YEAR COMPLETED Ongoing	
			Professional Services Boundary Survey Legal Description Preliminary and Final Plats	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Peart Park is an existing City owned Park site which includes a Park, lift station, and municipal buildings owned by the City of Casa Grande. The project area includes 6.5 +/- acres and the contracted fees are \$17,800.00 My role was project principal for the client, coordinating and supervising the completion of the survey.	<input checked="" type="checkbox"/>	Check if project performed with current firm	
3.	(1) TITLE AND LOCATION <i>(City and State)</i> Desert Ridge Super Block 7, Phoenix, Arizona		(2) YEAR COMPLETED 2015	
			Professional Services Final Plats	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Construction staking and As Built plan services for the construction of 262 lots in Phoenix, AZ. The improvements included Onsite Lot and Drainage Grade staking; Wet Utilities; Dry Utilities; Curb & Paving for streets; onsite amenities; perimeter roadway improvements and site signage. Total combined Fees for the Plats and the Construction staking services was \$152,000.00 My role was project principal and responsible registrant for the completion of the Final Plats and project principal for the construction staking services.	<input checked="" type="checkbox"/>	Check if project performed with current firm	
4.	(1) TITLE AND LOCATION <i>(City and State)</i> Desert Ridge Super Blocks 5, 6 and 9, Phoenix, Arizona		(2) YEAR COMPLETED 2013	
			Professional Services Legal Descriptions	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Analysis of “remainder” parcels based on the original State Plat for Superblocks 5, 6, & 9 lying south of SR 202. Completion of Legal Descriptions defining said remnant parcels based on existing developed parcels cut out of the original blocks. Fee: \$2,400.00 My role was project principal and responsible registrant for the completion of the survey.	<input checked="" type="checkbox"/>	Check if project performed with current firm	
5.	(1) TITLE AND LOCATION <i>(City and State)</i> Moon Valley Waterline Survey, Phoenix, Arizona		(2) YEAR COMPLETED 2014	
			Professional Services Land Survey	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Establishment of a Horizontal & Vertical Survey Control Network, Topographic Mapping (Aerial and Ground), for a 5.5 mile waterline improvement project	<input checked="" type="checkbox"/>	Check if project performed with current firm	

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

a. NAME Aubrey Thomas	b. ROLE IN THIS CONTRACT Project Manager – Storm Water Resources	c. YEARS EXPERIENCE	
		1. TOTAL 12	2. WITH CURRENT FIRM 6
d. LOCATION <i>(City and State)</i> Phoenix, AZ			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Bachelors, Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS Professional Engineer – AZ	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> Certified Floodplain Manager ASFPM #08-03383			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION <i>(City and State)</i> Desert Ridge Superblock 7, Phoenix, Arizona	(2) YEAR COMPLETED 2015	Professional Services Engineering & Survey	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Responsible for the master and final drainage design for this 108 acre residential development. Efforts included the hydrologic analysis of several square miles of watershed, 1.5 miles of HEC-RAS floodplain analysis/delineation for undisturbed washes, and multiple other hydraulic structures. Also assisted with the design of bank improvements, which were constructed to recover developable land from the adjacent drainageways. These design efforts have been prepared to support the development process through the planning, zoning, entitlement and, ultimately, construction phases of the project.	<input checked="" type="checkbox"/>	Check if project performed with current firm	
2.	(1) TITLE AND LOCATION <i>(City and State)</i> Spook Hill FRS, Mesa, Arizona	(2) YEAR COMPLETED 2011	Professional Services Engineering	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Successfully represented and acted as an expert witness for the Flood Control District of Maricopa County in a \$10M+ civil suit awarded to them. Efforts on the project included performing extensive drainage analyses (hydrologic modeling, sediment transport calculations, unsteady hydraulic modeling, dam safety evaluation, etc.) to demonstrate the viability to develop a District property as a residential community.	<input checked="" type="checkbox"/>	Check if project performed with current firm	
3.	(1) TITLE AND LOCATION <i>(City and State)</i> Sun Streams Solar Energy Farm, Maricopa County, Arizona	(2) YEAR COMPLETED 2013	Professional Services Engineering & Survey	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager for this 2,200 acre solar energy facility located in southwestern Maricopa County. Evaluated a number of potential development sites for viability. Responsible for the site planning, land acquisition evaluation, jurisdictional 404 permitting, floodplain permitting, preliminary grading and drainage design, required to support the Special Use Permit process on the selected location.	<input checked="" type="checkbox"/>	Check if project performed with current firm	
4.	(1) TITLE AND LOCATION <i>(City and State)</i> CantaMia, Goodyear, Arizona	(2) YEAR COMPLETED Ongoing	Professional Services Engineering & Survey	Construction (if applicable) Construction Management
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Performed detailed design of numerous hydraulic structures (storm drain, culverts, channels, etc.) and miscellaneous other final drainage design tasks for lakefront residential development. Onsite stormwater detention facilities were combined with recreational lakes to provide an efficient means of post development discharge attenuation, maintenance of stormwater quality and maximization of developable land. Also prepared a series of LOMRs to remove over 50 residential lots from a FEMA designated flood hazard zone.	<input checked="" type="checkbox"/>	Check if project performed with current firm	
5.	(1) TITLE AND LOCATION <i>(City and State)</i> White Tank Mountain Alluvial Fans 38 & 39, Buckeye, Arizona	(2) YEAR COMPLETED 2008	Professional Services Survey & Engineering	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Performed hydrologic, hydraulic, and geomorphic analysis of several square miles of alluvial fan 39 (100-yr discharge = 3,000+ cfs) on the west slope of White Tank Mountains. Required extensive coordination with a consortium of local landholders, the Town of Buckeye, and County and Federal floodplain administrators. Culminated in preparation of a Technical Data Notebook for submittal to Flood Control District of Maricopa County (FCDMC) and FEMA. Performed detailed hydraulic design of regional detention and debris basin aimed at mitigating flood hazards associated with alluvial fan 38 (100-yr discharge = 2,500+ cfs).	<input type="checkbox"/>	Check if project performed with current firm	

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

a. NAME Mark Ipson, P.E.	b. ROLE IN THIS CONTRACT Project Manager – Water Infrastructure	c. YEARS EXPERIENCE	
		1. TOTAL 9	2. WITH CURRENT FIRM 3.5
d. LOCATION <i>(City and State)</i> Phoenix, AZ			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> M.S. Degree in Civil Engineering (Brigham Young University), with emphasis in Water Resources		f. PROFESSIONAL TRAINING - REGISTRATIONS Professional Engineer – AZ and CA LEED Accredited Professional	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> Member of American Water Works Association (AWWA), and its local chapter, AZ Water Association Presentation at May 2011 AZ Water Conference: “Bisbee Sewer Improvements: Stuck Between a Rock and a Hard Place” Presentation at May 2009 AZ Water Conference: “Cave Creek Water System Improvements: From Concept to Completion in Eight Months”			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION <i>(City and State)</i> La Loma Well, Transmission Main, and Storage Tank Improvements, Litchfield Park, Arizona	(2) YEAR COMPLETED Ongoing	Professional Services Water Facilities Engineering Design	Construction (if applicable) Not Yet Constructed
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Analysis and design of a 600 gpm groundwater well site located on Luke Air Force Base, approximately 9,000 LF of 8-inch water transmission main, and a 60,000 gallon water storage facility, with associated improvements to serve the irrigation water demands for the La Loma campus, located northwest of Litchfield Road and Camelback Road. Project includes detailed evaluation of existing facilities, design of the recommended improvements, and coordination with Luke Air Force Base, APS, and other project stakeholders. Project is at the 30% design stage. Construction is anticipated in 2016. Mr. Ipson is serving as the Project Manager for this project.		<input checked="" type="checkbox"/> Check if project performed with current firm	
2.	(1) TITLE AND LOCATION <i>(City and State)</i> Arroyo Seco Water System Improvements, Buckeye, Arizona	(2) YEAR COMPLETED Ongoing	Professional Services Water Facilities Engineering Design	Construction (if applicable) Not Yet Constructed
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Design of a 1,300 gpm well and coagulation-filtration arsenic treatment system, an 0.9 MG water storage facility, 2,160 gpm booster pump station, and approximately two miles of 12-inch and 16-inch water main. Project involved coordination with MCDOT, FCDMC, City of Buckeye, utilities, and other agencies. Plans and Specifications are at 100% completion. Construction anticipated to start in mid-2016. Mr. Ipson served as Project Manager for this project.		<input checked="" type="checkbox"/> Check if project performed with current firm	
3.	(1) TITLE AND LOCATION <i>(City and State)</i> Westwind and Westpark Water and Wastewater Studies, Buckeye, Arizona	(2) YEAR COMPLETED Ongoing	Professional Services Engineering Study and Planning	Construction (if applicable) Not Applicable
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Preparation of water and wastewater studies for Westwind and Westpark, encompassing 1,366 acres of proposed residential, school, commercial, and industrial properties. Project includes evaluation of existing water and wastewater infrastructure, identification of potential water supply facilities, onsite water and wastewater hydraulic analyses, optimization of water and wastewater system layouts, and preparation of cost estimates. The water and wastewater studies identify projected water demands and wastewater flows, water supply and storage facilities, phasing recommendations for development of the water and wastewater systems, design criteria, and pipe alignments and sizing. The water and wastewater system improvements have not yet been constructed. Mr. Ipson is serving as the Project Manager for this project.		<input checked="" type="checkbox"/> Check if project performed with current firm	
4.	(1) TITLE AND LOCATION <i>(City and State)</i> Moon Valley Raw Water Pipeline and Pump Station, Phoenix, Arizona	(2) YEAR COMPLETED Ongoing	Professional Services Water Facilities Engineering Design	Construction (if applicable) Not Yet Constructed – 90% Plans
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Planning, analysis, and design of a 2,500 gpm raw water pump station and six miles of 16-inch and 12-inch raw water main to convey water from the Arizona Canal north to the Cave Creek Golf Course, Moon Valley Country Club, and Lookout Mountain Golf Course. Project included an alignment analysis for the pipeline and evaluation of multiple pump station sites. These analyses evaluated potential utility conflicts, surface features, traffic control requirements, pavement replacement requirements, projected construction costs, and construction schedules for each alternative. The pump station location and pipeline alignment are now finalized, and the design is currently 90% complete. The improvements will be owned and operated by the City of Phoenix. This project is currently at 90% design. Construction anticipated to begin in 2016. Estimated Construction Cost is \$7.0M. Mr. Ipson is serving as the Project Manager for this project.		<input checked="" type="checkbox"/> Check if project performed with current firm	
5.	(1) TITLE AND LOCATION <i>(City and State)</i> Town of Miami Wastewater Collection System Improvements, Miami, Arizona	(2) YEAR COMPLETED Ongoing	Professional Services Engineering Design, Program Mgmt	Construction (if applicable) 2014 (Phase 1); 2015 (Phase 2)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Prior to joining HILGARTWILSON, Mr. Ipson prepared the Preliminary Engineering Report (PER) for proposed upgrades to the existing Town of Miami wastewater collection system, which dates back to the 1920s. The PER detailed the failing condition of the existing wastewater collection system and evaluated several alternatives for upgrading the system, with capital and life-cycle costs identified for each alternative. It also recommended a specific alternative for implementation, calling for the replacement of nearly 80,000 linear feet of sewer, installation of a grit separator at the Town’s wastewater treatment plant, and upgrades to the Town’s influent pump station. Mr. Ipson also prepared construction plans and specifications for a portion of the Phase 1 improvements, including upgrades to the Town’s influent pump station (funded by USDA) and for the installation of a new 10,000 gpd septage receiving station at the Town’s public works yard (funded by CDBG). At HILGARTWILSON, Mr. Ipson continues to work on the project as a part of the Program Management team. In this role, he provides plan reviews, coordinates with funding agencies (USDA, WIFA, and EPA) to process pay applications and other required documentation, and coordinates with Town staff, the design firm, Arizona Eastern Railroad, the legal team, and others to ensure a successful project. This is a phased project. Construction of Phase 1 complete in 2014. \$2.5M of construction completed to date.		<input checked="" type="checkbox"/> Check if project performed with current firm	

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

a. NAME Rick Hurula	b. ROLE IN THIS CONTRACT Director – Construction Services	c. YEARS EXPERIENCE	
		1. TOTAL 31 years	2. WITH CURRENT FIRM 3.5 years
d. LOCATION (City and State) Phoenix, AZ			
e. EDUCATION (DEGREE AND SPECIALIZATION) B.S. - Resource Development, Michigan State University; M.B.A. – Business , Arizona State University		f. PROFESSIONAL TRAINING - REGISTRATIONS	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) Member of Construction Industry Advisory Council at Arizona State University			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (City and State) Stonebridge Ranch, Peoria, Arizona	(2) YEAR COMPLETED 2015	
		<table border="1"> <tr> <td>Professional Services Construction Management - Managed all aspects of civil improvements, project accounting, and site landscaping</td> <td>Construction (if applicable) Construction Management - Managed all aspects of civil improvements, project accounting, and site landscaping</td> </tr> </table>	Professional Services Construction Management - Managed all aspects of civil improvements, project accounting, and site landscaping
Professional Services Construction Management - Managed all aspects of civil improvements, project accounting, and site landscaping	Construction (if applicable) Construction Management - Managed all aspects of civil improvements, project accounting, and site landscaping		
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE 536 Lot Residential Subdivision with construction budget of \$2,900,000.00. Generated original construction budget, bid all work, awarded all contacts, performed job cost accounting and managed all aspects of civil and landscaping construction.	<input checked="" type="checkbox"/> Check if project performed with current firm	
2.	(1) TITLE AND LOCATION (City and State) CantaMia at Estrella Mountain Ranch, Phase 1 POD 3, Goodyear, Arizona	(2) YEAR COMPLETED 2015	
		<table border="1"> <tr> <td>Professional Services Managed all aspects of civil improvements, project accounting, and site landscaping</td> <td>Construction (if applicable) Managed all aspects of civil improvements, project accounting, and site landscaping</td> </tr> </table>	Professional Services Managed all aspects of civil improvements, project accounting, and site landscaping
Professional Services Managed all aspects of civil improvements, project accounting, and site landscaping	Construction (if applicable) Managed all aspects of civil improvements, project accounting, and site landscaping		
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE 196 Lot Residential Subdivision with construction budget of \$5,150,000.00. Generated original construction budget, bid all work, awarded all contacts, performed job cost accounting and managed all aspects of civil and landscaping construction. Job finished per schedule and \$600,000 under budget.	<input checked="" type="checkbox"/> Check if project performed with current firm	
3.	(1) TITLE AND LOCATION (City and State) Moon Valley Lookout Mt. Water Line, Phoenix, Arizona	(2) YEAR COMPLETED Current	
		<table border="1"> <tr> <td>Professional Services Managed all aspects of civil improvements, project accounting, and site landscaping</td> <td>Construction (if applicable) Managed all aspects of civil improvements, project accounting, and site landscaping</td> </tr> </table>	Professional Services Managed all aspects of civil improvements, project accounting, and site landscaping
Professional Services Managed all aspects of civil improvements, project accounting, and site landscaping	Construction (if applicable) Managed all aspects of civil improvements, project accounting, and site landscaping		
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE 35,000 LF 16" Non-Potable waterline with a construction budget of \$8,300,000.00. Generated original construction budget, will publically bid all work, award all contacts, perform job cost accounting and manage all aspects of civil construction. Job is current.	<input checked="" type="checkbox"/> Check if project performed with current firm	
4.	(1) TITLE AND LOCATION (City and State) CantaMia Phase 2 Effluent Re-Use pipeline and pumping facility, Goodyear, Arizona	(2) YEAR COMPLETED Current	
		<table border="1"> <tr> <td>Professional Services Managed all aspects of civil improvements, project accounting, and site landscaping</td> <td>Construction (if applicable) Managed all aspects of civil improvements, project accounting, and site landscaping</td> </tr> </table>	Professional Services Managed all aspects of civil improvements, project accounting, and site landscaping
Professional Services Managed all aspects of civil improvements, project accounting, and site landscaping	Construction (if applicable) Managed all aspects of civil improvements, project accounting, and site landscaping		
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE 3000 LF of Non-Potable water pipe and modifications to an existing wastewater treatment facility. Generated original construction budget, bid all work, awarded all contacts, performing job cost accounting and managing all aspects of civil construction. Job is currently under construction.	<input checked="" type="checkbox"/> Check if project performed with current firm	
5.	(1) TITLE AND LOCATION (City and State) CantaMia at Estrella Mountain Ranch, Phase 2, POD 4, Goodyear, Arizona	(2) YEAR COMPLETED Current	
		<table border="1"> <tr> <td>Professional Services Managed all aspects of civil improvements, project accounting, and site landscaping</td> <td>Construction (if applicable) Managed all aspects of civil improvements, project accounting, and site landscaping</td> </tr> </table>	Professional Services Managed all aspects of civil improvements, project accounting, and site landscaping
Professional Services Managed all aspects of civil improvements, project accounting, and site landscaping	Construction (if applicable) Managed all aspects of civil improvements, project accounting, and site landscaping		
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE 200 Lot Residential Subdivision with construction budget of \$7,500,000.00. Generated original construction budget, bid all work, awarded all contacts, performing job cost accounting and managing all aspects of civil and landscaping construction. Job is currently under construction.	<input checked="" type="checkbox"/> Check if project performed with current firm	

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

a. NAME Toni Bonar, AICP	b. ROLE IN THIS CONTRACT Land Planning Manager	c. YEARS EXPERIENCE	
		1. TOTAL 16	2. WITH CURRENT FIRM 5
d. LOCATION <i>(City and State)</i> Phoenix, AZ			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> BSD, Housing & Urban Development – Planning & Land Development		f. PROFESSIONAL TRAINING - REGISTRATIONS American Institute of Certified Planners	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> Served on the American Planning Association, Arizona Chapter Board of Directors 2013 and 2014 American Institute of Certified Planners International Public Participation			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION <i>(City and State)</i> Russell Ranch South – Glendale Planning Area, Maricopa County, AZ	(2) YEAR COMPLETED 2015	Professional Services Planning	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Served as planning project manager on the approximate 136-acre planned community located northwest of 181 st Avenue and Camelback Road. The Project is a mix of single-family residential, neighborhood park, and open spaces. Services included site planning, Comprehensive Plan Amendment, and RUPD rezone.	<input checked="" type="checkbox"/>	Check if project performed with current firm	
2.	(1) TITLE AND LOCATION <i>(City and State)</i> Agave & 46 th Drive – Phoenix, AZ	(2) YEAR COMPLETED Ongoing	Professional Services Planning	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Serving as planning project manager on the approximate 6-acre single-family residential development located south of Agave Drive and Agave Road. The Project is a single-family residential development. Services include site planning, General Plan Amendment, and public outreach.	<input checked="" type="checkbox"/>	Check if project performed with current firm	
3.	(1) TITLE AND LOCATION <i>(City and State)</i> Stetson Valley, Tracts 8 & 10 – Phoenix, AZ	(2) YEAR COMPLETED Ongoing	Professional Services Planning	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Serving as planning project manager on the approximate 50-acre mixed use Project located north of Stetson Valley and Deem Hill Parkways and northeast of 55 th Avenue and Happy Valley Road. The Project consists of two noncontiguous parcels within a developed master planned community. One parcel is a 16-acre single-family development and the other is a 34-acre single-family residential and neighborhood commercial development. Services include site planning and processing of a Minor General Plan Amendment and PCD rezone, including public outreach.	<input checked="" type="checkbox"/>	Check if project performed with current firm	
4.	(1) TITLE AND LOCATION <i>(City and State)</i> Trillium – Buckeye, AZ	(2) YEAR COMPLETED Ongoing	Professional Services Planning	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Serving as project manager on the approximate 3,029-acre master planned community located east of Sun Valley Parkway and north of the Cactus Road alignment. The Project is a mixed-use master planned community including single-family and multifamily residential, mixed-uses, community center, neighborhood and community parks, natural open spaces, commercial, and business park. Services include processing of a Major General Plan Amendment and a Community Master Plan Amendment; including public outreach..	<input checked="" type="checkbox"/>	Check if project performed with current firm	
5.	(1) TITLE AND LOCATION <i>(City and State)</i> Allen Ranches – Glendale Planning Area, Maricopa County, AZ	(2) YEAR COMPLETED Ongoing	Professional Services Planning	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Serving as planning project manager on the approximate 833-acre mixed use development located between Camelback and Bethany Home Roads and Loop 303 and Citrus Road near Luke Air Force Base. The Project is a mixed-use single-family residential, industrial, and commercial development. Services include site planning and processing of a Minor Comprehensive Plan Amendment, RUPD rezone, and Military Compatibility Permit.	<input checked="" type="checkbox"/>	Check if project performed with current firm	

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> Horseshoe Draw, Sierra Vista, Arizona	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES Lead Design Consultant Surveyor	CONSTRUCTION <i>(If applicable)</i> N/A

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER Hereford Natural Resource Convention District	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$1.3 Million	e. TOTAL COST OF PROJECT Not Yet Constructed
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

Horseshoe Draw is a natural watercourse that stretches from northern Sonora Mexico to a confluence with the San Pedro River 10 miles southeast of Sierra Vista, Arizona. The watercourse has experienced significant flooding and erosion over the last decade. The flooding and erosion have resulted in a public safety hazard for local residents and a reduction in habitat quality along the watercourse. HILGARTWILSON teamed with the local branch of the Natural Resource Conservation District to successfully obtain funding to design a comprehensive solution for mitigation of the hazard. This solution entails the construction of a large, earthen embankment and detention basin. In addition to the engineering and survey related efforts that HILGARTWILSON has provided, the project requires extensive coordination with a variety of agencies including the Cochise County, the Arizona Department of Water Resources and the US Army Corps of Engineers.

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> Phoenix Sky Train Public Transportation System, Phoenix, AZ	b. YEAR COMPLETED PROFESSIONAL SERVICES 2011 - 2015 CONSTRUCTION <i>(If applicable)</i> 2013/2014	
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23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER Weitz/ City of Phoenix	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$913,490.00	e. TOTAL COST OF PROJECT \$923,757.00
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

HILGARTWILSON provided surveying and engineering design services for the Phoenix Sky Train (automated people mover system) Segment 1A, a 3,600-ft expansion from Terminal 4 to Terminal 3 at Sky Harbor Airport. As part of the Design / Build team with Weitz Company, HILGARTWILSON provided civil design and construction services (staking, engineering, inspections, and as-built plans) for the Phoenix Sky Train running surface and guidebeam infrastructure. Due to the computer control aspects of the system, very exacting tolerances were required for design and construction staking/layout to ensure adequate ride quality, which HILGARTWILSON successfully met. Horizontal and vertical design elements, as well as 3-D vehicle clearance envelope evaluations were critical in meeting the correct ride requirements for the system. HILGARTWILSON used a combination of horizontal layout and vertical profile for the running surface and guidebeam installations. HILGARTWILSON developed dynamic design tools to produce the extensive tables required for guidebeam manufacturing, allowing minor profile modifications to be quickly updated on the plans and in the guidebeam tables. HILGARTWILSON, as part of the Design/Build Team, delivered the completed construction to the City of Phoenix and The Weitz Company, on-time and within budget.

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> Wastewater Collection System Improvements, Miami, AZ	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2009/2016	CONSTRUCTION <i>(If applicable)</i> Phase 1 Complete Phases 2-5 Under Construction

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER Town of Miami	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$24 million	e. TOTAL COST OF PROJECT Estimated ~ \$24 million (Partially constructed)
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

HILGARTWILSON is providing professional engineering and consulting services as the Program Manager for upgrades to the Town of Miami wastewater collection system. In this role, HILGARTWILSON provides plan reviews, coordinates with funding agencies (USDA, WIFA, and EPA) to process pay applications and other required documentation, and coordinates with Town staff, the design firm, Arizona Eastern Railroad, local utilities, the legal team, and others to ensure a successful project.

A Preliminary Engineering Report (PER) was completed in accordance with USDA-RUS Bulletin 1780-3 for proposed upgrades to the existing Town of Miami wastewater collection system, which dates back to the 1920s. The PER detailed the failing condition of the existing wastewater collection system and evaluated several alternatives for upgrading the system, with capital and life-cycle costs identified for each alternative. It recommended a specific alternative for implementation, calling for the replacement of nearly 80,000 linear feet of sewer, installation of a grit separator at the Town's wastewater treatment plant, and upgrades to the Town's influent pump station.

The improvements recommended in the PER are being designed and constructed in phases. Construction of Phase 1 is complete and consisted of upgrades to the Town's influent pump station (funded by USDA), installation of a grit separator (funded by USDA and EPA), and installation of a new 10,000 gpd septage receiving station at the Town's public works yard (funded by CDBG and USDA). Construction of Phase 2 is underway and includes the sewer trunk main through the center of Town. Construction plans and specifications have also been prepared for Phases 3, 4, and 5, and are currently 95% complete. These phases include the sewer lines within the local streets throughout town.

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. YEAR COMPLETED	
Vela Apartments (Tempe Lakeside Apartments), Tempe, AZ	PROFESSIONAL SERVICES 2014	CONSTRUCTION <i>(if applicable)</i> 2015

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER Transwestern	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$35 Million	e. TOTAL COST OF PROJECT Estimated \$35 Million (Partially Constructed)
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

This mixed use development within Tempe called Vela Apartments (also known as Tempe Lakeside Apartments) which is being developed on the north side of the Tempe Town Lake, south of the Loop 202 and will include 284 apartment units with 4,000 sf of retail. As part of the permitting of the project HILGARTWILSON has coordinated with various agencies such as City of Tempe, Salt River Project, Arizona Department of Transportation, the City of Phoenix who serves as the reviewing agency for the Sub-Regional Operating Group committee, and the Flood Control District of Maricopa County.

Construction has started on this project with an anticipated completion date in 2016. HILGARTWILSON provided civil engineering and surveying services for the entitlements and permitting portions of the project.

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> Littleton Elementary Schools, Phoenix, Avondale, & Tolleson, Arizona	b. YEAR COMPLETED PROFESSIONAL SERVICES Improvements Grading & Drainage Construction Documents		CONSTRUCTION <i>(If applicable)</i> 2011-2012
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23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER Elementary School District	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$3.3 Million	e. TOTAL COST OF PROJECT Estimated \$3.3 million (Total Cost Unknown)
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

As part of a \$3.3 million bond project, HILGARTWILSON provided civil engineering and survey services for improvements to six (6) school sites within the District boundaries in Phoenix, Avondale, and Tolleson, Arizona. The scope of services includes design for improvements ranging from grading and drainage improvements, new pedestrian corridors, the addition of sports facilities and parking, driveway and bus drop-off improvements. Work for these schools was completed in 2011 with construction completed in 2012. The schools included Underdown Elementary, Collier Elementary, Tres Rios Elementary, Country Place Elementary, Estrella Vista Elementary, Quentin Elementary, and Littleton Elementary.



6. ADDITIONAL INFORMATION

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

HILGARTWILSON's mission is to become an integral part of our client's team. HILGARTWILSON fosters a culture that emphasizes collaboration, effective communication and detailed coordination with our clients and other team consultants and sub-consultants. This culture results in a team environment that strives to understand client's requirements and goals, and then delivers the expertise and experience to produce quality work on time and on budget.

All projects are subject to HILGARTWILSON's internal checks and quality control measures. The quality control procedure includes following and adhering to detailed checklists that have been developed over the years. The checklists include conceptual design considerations and specific plan check items, as well as coordination requirements with the client, other consultants or sub-consultants, utility companies and stakeholders. In addition to a peer review, projects are also reviewed by a member of HILGARTWILSON's staff with extensive construction experience, who is responsible for looking for value engineering opportunities and performing a constructability review. All projects have a principal assigned, who is actively involved in not only monitoring the project's progress, but actively participating in developing design concepts and providing quality control. In addition, a project manager is also assigned to each project that is responsible for the day-to-day operations of the contracted services. The project manager is involved in not only monitoring the project's progress, but actively participates in contract oversight, communication and coordination with our client, team consultants and sub-consultants, including compliance with contract requirements, maintaining customer satisfaction and exercising controls to ensure the product is free of errors and is completed on time and on budget. These processes guarantee quality control is consistent with client expectations, accepted professional standards and company policies.

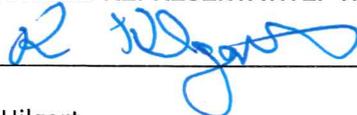
When or if a problem should arise during the course of the project our team will quickly work to identify the problem and design an expedient and cost effective solution. The appropriate client personal will be contacted and a meeting requested to review the problem and outline the resolution. HILGARTWILSON will work with the client to insure the problem is resolved to the client's expectation.

Fully understanding our clients "final deliverable" at the commencement of the project is key to producing the final product in a cost-efficient manner.

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

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

Signature: 

Date: December 21, 2015

Name: Ron Hilgart

Title: Managing Principal