



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
1

Offeror: Cardno, Inc

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.

CARDNO, INC
Company Name
9977 N. 90th Street, Suite 150
Address
Scottsdale, AZ 85258
City State Zip

[Signature]
Signature of Person Authorized to Sign Offer
DANIEL POTTINGER
Printed Name
PRINCIPAL ENGINEER
Title

Phone: 602-977-8075

DANIEL.POTTINGER@CARDNO.COM
Contact Email Address

Fax: 602-977-8099

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 29 day of February 2016

[Signature]
Procurement Officer



ATTACHMENT I – General Qualifications
ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP016-00005912

STATE PROCUREMENT OFFICE
Department of Administration
100 North 15th 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:	CARDNO, Inc.
b. FIRM (OR BRANCH OFFICE) STREET:	9977 N. 90 th Street, Suite 150
c. FIRM (OR BRANCH OFFICE) CITY:	Scottsdale
d. FIRM (OR BRANCH OFFICE) STATE:	Arizona
e. FIRM (OR BRANCH OFFICE) ZIP CODE:	85258

f. YEAR ESTABLISHED:	1947
----------------------	------

(g1). OWNERSHIP - TYPE:	Corporation
(g2). OWNERSHIP - SMALL BUSINESS STATUS:	No

h. POINT OF CONTACT NAME AND TITLE:	Loretta Flick
i. POINT OF CONTACT TELEPHONE NUMBER:	602-977-8045 or 602-326-5334
j. POINT OF CONTACT E-MAIL ADDRESS:	Loretta.flick@cardno.com

k. NAME OF FIRM (If block 1a is a branch office):	Cardno, Inc.
---	--------------



ATTACHMENT I – General Qualifications

**ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP016-00005912**

**STATE PROCUREMENT OFFICE
Department of Administration
100 North 15th Avenue, Suite 201
Phoenix, Arizona 85007**

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>
30	Housing (Residential, Multi-Family)	5
8	Commercial Development	2
10	Land Survey	1
10	Landscape Architecture	3
25	Surveying, Plating, Mapping, Flood Plain Studies	2
10	Topographic Surveying and Mapping	1
30	Subsurface Utility Engineering	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 |



ATTACHMENT I – General Qualifications

**ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSPO16-00005912**

**STATE PROCUREMENT OFFICE
Department of Administration
100 North 15th Avenue, Suite 201
Phoenix, Arizona 85007**

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

a. NAME Daniel J. Pottinger	b. ROLE IN THIS CONTRACT Civil Engineer / Senior Project Manager	c. YEARS EXPERIENCE	
		1. TOTAL 18 years	2. WITH CURRENT FIRM 6 Months
d. LOCATION (City and State)			
e. EDUCATION (DEGREE AND SPECIALIZATION) B.S., 1996, Civil Engineering, North Dakota State University		f. PROFESSIONAL TRAINING - REGISTRATIONS Professional Engineer - Civil, Arizona, 2000, 36384	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) American Council of Engineering Companies (ACEC) American Public Works Association(APWA)			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (City and State) Sonoran Boulevard Improvements, Phoenix, Arizona.	(2) YEAR COMPLETED - 2013	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Role CIVIL ENGINEER Client: City of Phoenix Project Design Budget: \$360,000 This high profile project provides an important east-west connection to I-17 and northeast Phoenix. The project extends seven miles between Cave Creek Road on the east and Dove Valley Road on the west. The new scenic major arterial roadway winds through State Trust Land and the planned Phoenix Sonoran Preserve. The project also was to widen Cave Creek Road to the ultimate cross section which will provide dual left turn lanes to Sonoran Boulevard.	Professional Services X	Construction (if applicable)
		<input type="checkbox"/> Check if project performed with current firm	
2.	(1) TITLE AND LOCATION (City and State) Water Main Replacement On Call, Phoenix, Arizona.	(2) YEAR COMPLETED - 2012	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Role: CIVIL ENGINEER Client: City of Phoenix Project Design Budget: \$135,000 Provided design services for the replacement of 9,950 linear feet of water main within the city quarter sections 12-29 and 12-30. The project included design of various size water mains, 171 water service connections, utility research, public water line abandonment (cut & plug), new fire hydrants, cost estimating, and topographic surveys and base mapping.	Professional Services X	Construction (if applicable)
		<input type="checkbox"/> Check if project performed with current firm	
3.	(1) TITLE AND LOCATION (City and State) Reclaimed Water Alignment Study Central WWTP to Sundance WRF	(2) YEAR COMPLETED - 2014	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Role: CIVIL ENGINEER Client: City of Buckeye Project Design Budget: \$75,000 Prepared a Design Concept Report (DCR) to evaluate alternatives for transmitting treated effluent from the Central Buckeye Wastewater Treatment Plant to the Sundance Water Reclamation Facility. The DCR evaluated two alternate routes and determined costs, feasibility, and operational characteristics for each option. An effluent balance study was developed to illustrate supply vs demand characteristics for the system. The project prepared an alignment study and master plan for the City of Buckeye's future effluent system. This project included the	Professional Services x	Construction (if applicable)
		<input type="checkbox"/> Check if project performed with current firm	



ATTACHMENT I – General Qualifications

**ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSPO16-00005912**

**STATE PROCUREMENT OFFICE
Department of Administration
100 North 15th Avenue, Suite 201
Phoenix, Arizona 85007**

	identification of potential effluent users, demand projections, evaluation of various alignments for the City's proposed reclaimed water transmission main, hydraulic calculations, water mass balance, and a preliminary design of pump station improvements. This project also included a mass balance study to determine reclaimed water production as compared to future reclaimed demands. In addition, options for recharge and long-term storage credits were evaluated and discussed. This project also included preparing cost estimates for recommended improvements.				
4.	(1) TITLE AND LOCATION (City and State) SR-89A - Oak Creek Canyon Bank Protection, Oak Creek, Arizona	(2) YEAR COMPLETED - 2015 <table border="1"> <tr> <td>Professional Services X</td> <td>Construction (if applicable)</td> </tr> </table>	Professional Services X	Construction (if applicable)	
	Professional Services X	Construction (if applicable)			
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Role: CIVIL ENGINEER Client: ADOT Project Design Budget: \$54,000 Responsible for the protection of the bank and scour analysis for a section of Oak Creek adjacent to SR-89A (MP 385.2). The work included construction plans on behalf of ADOT for construction of scour protection improvements along the embankment of Oak Creek Canyon. In addition to the gabion mattress, gabion baskets and gabion edge treatments, an embankment curb was added to divert street flows, and spillways were added to aid in erosion protection for areas not protected by the existing or proposed gabion mattress systems. This project was performed as part of an ADOT District Minor On-Call contract.	<input type="checkbox"/> Check if project performed with current firm				
5.	(1) TITLE AND LOCATION (City and State) Sossaman Channel Design Improvements, Mesa, Arizona	(2) YEAR COMPLETED - 2010 <table border="1"> <tr> <td>Professional Services X</td> <td>Construction (if applicable)</td> </tr> </table>	Professional Services X	Construction (if applicable)	
	Professional Services X	Construction (if applicable)			
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Role: CIVIL ENGINEER Client: City of Phoenix Project Design Budget: \$360,000 Responsible for the design of this project for Flood Control District of Maricopa. The project analyzed the erosion issues within this one mile channel section, and developed grading and structural improvements to reduce localized erosion. The project prepared plans, specifications, and cost estimates for the Sossaman Channel from north of Baseline Road to Guadalupe Road. These improvements included: replacing channel lining north of Baseline Road, adding new channel lining south of the Baseline Road box culverts to the first drop structure, rehabilitation and erosion control improvements to six existing drop structures, and rerouting an existing storm drain that discharges into the Sossaman Channel. This project was performed as part of a Flood Control District of Maricopa County On-Call contract.	<input type="checkbox"/> Check if project performed with current firm				



ATTACHMENT I – General Qualifications

**ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSPO16-00005912**

**STATE PROCUREMENT OFFICE
Department of Administration
100 North 15th Avenue, Suite 201
Phoenix, Arizona 85007**

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

a. NAME BENJAMIN NJUGUNA	b. ROLE IN THIS CONTRACT CIVIL ENGINEER/PROJECT MANAGER	c. YEARS EXPERIENCE	
		1. TOTAL 8 years	2. WITH CURRENT FIRM 2 YEAR 6 MONTHS
d. LOCATION (City and State) CARDNO, SCOTTSDALE, ARIZONA			
e. EDUCATION (DEGREE AND SPECIALIZATION) BS/ CIVIL ENGINEERING		f. PROFESSIONAL TRAINING - REGISTRATIONS PROFESSIONAL ENGINEER, AZ, 54742	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.)			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (City and State) KNEADER’S BAKERY & CAFÉ - MESA, ARIZONA	(2) YEAR COMPLETED 2015	
		Professional Services <input checked="" type="checkbox"/>	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Role: CIVIL ENGINEER / PROJECT MANAGER Client: Four Food Groups/ Kneader’s Bakery Project Budget: \$80,000 Civil Engineer and Project Manager for civil engineering design for two Kneader’s Bakery and Café sites in Mesa, Arizona. Work included the preparation of civil improvement plans for the commercial development as well as representing the owner in public hearing meetings. Both projects received full approvals and are currently under construction.	<input checked="" type="checkbox"/> Check if project performed with current firm	
2.	(1) TITLE AND LOCATION (City and State) QUERENCIA – PEORIA, ARIZONA	(2) YEAR COMPLETED 2014	
		Professional Services <input checked="" type="checkbox"/>	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Role: CIVIL ENGINEER / PROJECT MANAGER Client: Meritage Homes Project Budget: \$140,000 Querencia is an approximately 47-acre single family residential subdivision located about 0.25 miles southeast of the intersection of Jomax Road and Lake Pleasant Parkway in the City of Peoria, Arizona. Cardno performed the civil engineering and survey services for the project including and aerial survey of the project site as well as design and preparation of civil improvement plans for the project. A 404 wash study was conducted on an existing wash that cut across one edge of the property followed by the filing for a 404 permit with the US Army Corps of Engineers. Work on this project involved extensive coordination with the City of Peoria due to the challenges posed by the hilly terrain on the site. There was also a considerable amount of effort put into coordination with private utility companies owing to the presence of transmission mains across the property. Both Professional Services and construction are presently ongoing.	<input checked="" type="checkbox"/> Check if project performed with current firm	
3.	(1) TITLE AND LOCATION (City and State) SIENA AT OCOTILLO– CHANDLER, ARIZONA	(2) YEAR COMPLETED 2014	
		Professional Services	Construction (if applicable)



ATTACHMENT I – General Qualifications
ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP016-00005912

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

	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE</p> <p>Role: CIVIL ENGINEER / PROJECT MANAGER Client: Standard Pacific Homes Project Budget: \$80,000</p> <p>Siena at Ocotillo is an approximately 8-acre multifamily residential development located at the southeast corner of Dobson Road and Market Place in the City of Chandler, Arizona. Cardno performed the civil engineering and survey services for the project including the design and preparation of civil improvement plans as well as the preparation of a condominium plat of the development. Civil engineering work also included the design of an underground storm water storage system as well as the design of a storm water filtration system to remove debris and sediments from onsite runoff before conveying it to the system of manmade lakes in the area. Cardno carried out extensive coordination with the design team, the City of Chandler, the Ocotillo Design Review Board and private utility companies to alleviate conflicts in the design of proposed improvements within and around the tightly spaced development.</p> <p>Both Professional Services and construction are presently ongoing.</p>	X					
4.	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p>SAN TAN 30 – PINAL COUNTY, ARIZONA</p> <p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE</p> <p>Role: CIVIL ENGINEER / PROJECT MANAGER Client: CSWR131 Mortensen, LLC Project Budget: \$90,000</p> <p>San Tan 30 is an approximately 30-acre single family residential subdivision located near the southeast corner of Ocotillo Road and Coyote Road in Pinal County, Arizona. Cardno performed the civil engineering and survey services for the project including the ALTA and Topographic Survey, design and preparation of the Tentative Plat for the project. Cardno is under contract to design and prepare civil improvement plans as well as a final plat for the development. Cardno's work in this project will involve extensive coordination with the County as well as the different utility companies that serve the area.</p> <p>Both Professional services and Construction are on-going.</p>	<p>(2) YEAR COMPLETED</p> <p>2014</p> <table border="1"> <tr> <td>Professional Services</td> <td>Construction (if applicable)</td> </tr> <tr> <td align="center">X</td> <td></td> </tr> </table>	Professional Services	Construction (if applicable)	X		
Professional Services	Construction (if applicable)						
X							
5.	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p>PRADERA – GOODYEAR, ARIZONA</p> <p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE</p> <p>Role: CIVIL ENGINEER / PROJECT MANAGER Client: CSWR131 Mortensen, LLC Project Budget: \$90,000</p> <p>Pradera is an approximately 160-acre property located at the northwest corner of Citrus Road and Lower Buckeye Road in Goodyear, Arizona. Cardno previously designed the development as a progressive residential community, offering a variety of lot sizes and home types and also features multiple recreation trails and parks. The development was approved in the past but was never built. Cardno's recent work on this project has involved coordination with the City of Goodyear and other authorities having jurisdiction to update the old plans and obtain reapproval of the civil improvement plans. Extensive coordination has been carried out with the plan review agencies to ensure the project got credit for the previously approved plans.</p> <p>Both Professional services and Construction are on-going</p>	<p>(2) YEAR COMPLETED</p> <p>2014</p> <table border="1"> <tr> <td>Professional Services</td> <td>Construction (if applicable)</td> </tr> <tr> <td align="center">X</td> <td></td> </tr> </table>	Professional Services	Construction (if applicable)	X		
Professional Services	Construction (if applicable)						
X							



ATTACHMENT I – General Qualifications

**ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP016-00005912**

**STATE PROCUREMENT OFFICE
Department of Administration
100 North 15th Avenue, Suite 201
Phoenix, Arizona 85007**

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

a. NAME ROBERT E. RAMSEY	b. ROLE IN THIS CONTRACT CIVIL ENGINEER/PROJECT MANAGER	c. YEARS EXPERIENCE	
		1. TOTAL 13	2. WITH CURRENT FIRM 9 MONTHS
d. LOCATION <i>(City and State)</i> CARDNO, SCOTTSDALE, ARIZONA			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> UNIVERSITY OF ARIZONA: BS/ CIVIL ENGINEERING		f. PROFESSIONAL TRAINING - REGISTRATIONS PROFESSIONAL ENGINEER, AZ: 47526, NM: 23234 & LEED AP	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> American Council of Engineering Companies of Arizona(ACEC), APWA Public Works			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION <i>(City and State)</i> SONORAN PARKWAY, CITY OF PHOENIX (PHOENIX, AZ)	(2) YEAR COMPLETED - 2013
		Professional Services <input checked="" type="checkbox"/> X
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Role: CIVIL ENGINEER/PROJECT ENGINEER & UTILITY COORDINATOR Client: City of Phoenix Project Design Budget: \$360,000 Robert Ramsey served as the Project Engineer and Utility Coordinator for 2 miles of a new 7 mile long divided highway developed by the City of Phoenix, through Arizonan State Land. The design also included widening of Cave Creek Road at the intersection with Sonoran Boulevard. The design includes interim and ultimate roadway designs that incorporate super elevation, culvert and intersection design and cross sections. The hydraulic design for this project includes culvert design for 20 plus wash crossings, analyzing and modeling the offsite flows using HEC 1. The project included utility coordination with: ADOT, APS, COX, Qwest, SRP, SWG, City of Phoenix, and MCDOT.	<input type="checkbox"/> Check if project performed with current firm
2.	(1) TITLE AND LOCATION <i>(City and State)</i> CITY OF PHOENIX WATER MAIN REPLACMETN PROGRAM ON-CALL, CITY OF PHOENIX, (PHOENIX, AZ)	(2) YEAR COMPLETED - 2010 - 2015
		Professional Services <input checked="" type="checkbox"/> X
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Role: CIVIL ENGINEER / PROJECT MANAGER Client: CITY OF PHOENIX – MULTIPLE PROJECTS Project Design Budget: \$60,000 to \$225,000 (Range) Robert Served as the Project Manager and Utility Coordinator for the City of Phoenix Water Main Replacement Program for Quarter Sections 5-29, 7-27, 16-33, 25-26, 12-29, 11-30, and 12-30. Mr. Ramsey provided design services and full utility coordination for the replacement of approximately 75,000 linear feet of various size water mains between the six projects that included 681 water service connections. The project also included utility research, public water line abandonment (cut and plug), new fire hydrants, irrigation coordination/relocation, cost estimating, topographic surveys, review of utility records, pothole locations (coordination/placement), identifying utility conflicts and utilities requiring relocation. Robert's on-call projects within the City of Phoenix Water Main Replacement Program, included: WS85500364, WS85500376, WS855500388-N, WS85500388-1, WS85509006-1, & WS8509019-1.	<input checked="" type="checkbox"/> X Check if project performed with current firm



ATTACHMENT I – General Qualifications

**ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP016-00005912**

**STATE PROCUREMENT OFFICE
Department of Administration
100 North 15th Avenue, Suite 201
Phoenix, Arizona 85007**

3.	(1) TITLE AND LOCATION (<i>City and State</i>) RIO SALADO UTILITY STUDY – ARIZONA PUBLIC SERVICES COMPANY (APS), (TEMPE, AZ)	(2) YEAR COMPLETED - 2015	
		Professional Services <input checked="" type="checkbox"/>	Construction (if applicable)
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Role: SUBSURFACE UTILITY ENGINEER/ ENGINEER OF RECORD Client: ARIZONA PUBLIC SERVICE COMPANY (APS) Project Budget: \$45,000	<input checked="" type="checkbox"/>	Check if project performed with current firm
	Robert Ramsey led this project and oversaw the subsurface utility engineering (SUE) for the Rio Salado Utility Study, including engineer of record for the SUE mapping. The utility study included roughly 6,000 LF of Rio Salado Parkway and Scottsdale Road. The project was fully mapped and surveyed to the ASCE 38-02 standard (CI/ASCE 38-02 Quality Level D, C, B were achieved). The project included a wide range of utility's and utility companies. The project is currently being phased and will also include trench alignments, design plans, ROW survey, and test holes compliant to the ASCE standard (CI/ASCE 38-02 Quality Level A). The project also included utility research/coordination with City of Tempe (water, sewer, IRR, and storm), COX, Century Link, Southwest Gas, AT&T, and APS. Both Professional Services and construction are presently ongoing.		
4.	(1) TITLE AND LOCATION (<i>City and State</i>) TO#1 SR169/CHERRY/ORME ROAD PA, ARIZONA DEPARTMENT OF TRANSPORTATION (ADOT), (DEWEY, AZ)	(2) YEAR COMPLETED - 2014	
		Professional Services <input checked="" type="checkbox"/>	Construction (if applicable)
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Role: CIVIL ENGINEER / PROJECT MANAGER Client: ADOT Project Budget: \$76,000	<input type="checkbox"/>	Check if project performed with current firm
	Was the project manager for the preparation of a Project Assessment (PA) for the widening of SR 169 at the Cherry Road and Orme Road intersections. The widening would accommodate right and left turn lanes in the area to create safer intersections due to rolling terrain and existing road curvature. The project included extending a 6 barrel 10 ft x 6 ft box culvert, additional paved access to Orme Road, and environmental coordination including NEPA clearances and 404 considerations. Both Professional services and Construction are on-going.		
5.	(1) TITLE AND LOCATION (<i>City and State</i>) 4TH AVENUE DRAINAGE & SIDEWALK IMPROVMENTS, CITY OF BUCKEYE (BUCKEYE, AZ)	(2) YEAR COMPLETED - 2014	
		Professional Services <input checked="" type="checkbox"/>	Construction (if applicable)
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Role: CIVIL ENGINEER / PROJECT MANAGER Client: CITY OF BUCKEYE Project Budget: \$65,000	<input type="checkbox"/>	Check if project performed with current firm
	Robert led this project as Project Manager and provided design services for the addition of curb, gutter, and sidewalk to 4th Avenue. The project was funded by a Community Development Block Grant. The neighborhood was originally constructed in the 1930s with several of the lots still utilizing flood irrigation. Robert provided PS&E's to widen the existing road section from 24 feet of strip asphalt to the Town's current local street cross section. Due to the lots being flood irrigated in the area, Robert analyzed each lot to ensure the irrigation berming and outfall elevations were maintained to prevent flooding of the homes. The project also included the coordination of driveway locations and tie-in's to existing driveways. Additional sidewalk improvements were also designed to connect the Buckeye Senior Apartment Complex and the Buckeye Sports Fields.		



ATTACHMENT I – General Qualifications

**ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP016-00005912**

**STATE PROCUREMENT OFFICE
Department of Administration
100 North 15th Avenue, Suite 201
Phoenix, Arizona 85007**

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

a. NAME TYLER TUSSEY	b. ROLE IN THIS CONTRACT CADD TECHNICIAN	c. YEARS EXPERIENCE	
		1. TOTAL 4	2. WITH CURRENT FIRM 2
d. LOCATION (City and State) SCOTTSDALE, ARIZONA			
e. EDUCATION (DEGREE AND SPECIALIZATION) UNIVERSITY OF ARIZONA – CIVIL ENGINEERING		f. PROFESSIONAL TRAINING - REGISTRATIONS PROFESSIONAL ENGINEER, AZ #61027	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.)			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (City and State) KNEADER'S BAKERY & CAFÉ - MESA, ARIZONA	(2) YEAR COMPLETED - 2015	
		Professional Services <input checked="" type="checkbox"/>	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Role: CADD TECHNICIAN Client: Four Food Groups/ Kneader's Bakery Project Budget: \$80,000 Cadd Technician for civil engineering design for two Kneader's Bakery and Café sites in Mesa, Arizona. Work included the preparation of civil improvement plans for the commercial development as well as representing the owner in public hearing meetings. Both projects received full approvals and are currently under construction.	<input checked="" type="checkbox"/> Check if project performed with current firm	
2.	(1) TITLE AND LOCATION (City and State) QUERENCIA - PEORIA, ARIZONA	(2) YEAR COMPLETED - 2014	
		Professional Services <input checked="" type="checkbox"/>	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Role: CADD TECHNICIAN Client: Meritage Homes Project Budget: \$140,000 Querencia is an approximately 47-acre single family residential subdivision located about 0.25 miles southeast of the intersection of Jomax Road and Lake Pleasant Parkway in the City of Peoria, Arizona. Cardno performed the civil engineering and survey services for the project including and aerial survey of the project site as well as design and preparation of civil improvement plans for the project. A 404 wash study was conducted on an existing wash that cut across one edge of the property followed by the filing for a 404 permit with the US Army Corps of Engineers. Work on this project involved extensive coordination with the City of Peoria due to the challenges posed by the hilly terrain on the site. There was also a considerable amount of effort put into coordination with private utility companies owing to the presence of transmission mains across the property. Both Professional Services and construction are presently ongoing.	<input checked="" type="checkbox"/> Check if project performed with current firm	
3.	(1) TITLE AND LOCATION (City and State) SIENA AT OCOTILLO - CHANDLER, ARIZONA	(2) YEAR COMPLETED - 2014	
		Professional Services <input checked="" type="checkbox"/>	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Role: CADD TECHNICIAN Client: Standard Pacific Homes Project Budget: \$80,000 Siena at Ocotillo is an approximately 8-acre multifamily residential development located at the southeast corner of Dobson Road and Market Place in the City of Chandler, Arizona. Cardno performed the civil engineering and survey services for the project including the design and preparation of civil improvement plans as well as the preparation of a condominium plat of the development. Civil engineering work also included the design of an underground storm water storage system as well as the design of a storm water filtration system to remove debris and sediments from onsite runoff before conveying it to the system of manmade lakes in the area. Cardno carried out extensive coordination	<input checked="" type="checkbox"/> Check if project performed with current firm	



ATTACHMENT I – General Qualifications

**ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP016-00005912**

**STATE PROCUREMENT OFFICE
Department of Administration
100 North 15th Avenue, Suite 201
Phoenix, Arizona 85007**

with the design team, the City of Chandler, the Ocotillo Design Review Board and private utility companies to alleviate conflicts in the design of proposed improvements within and around the tightly spaced development.

Both Professional Services and construction are presently ongoing.

(1) TITLE AND LOCATION (*City and State*)

SAN TAN 30 – PINAL COUNTY, ARIZONA

(2) YEAR COMPLETED - **2014**

Professional Services

Construction (if applicable)

(3) BRIEF DESCRIPTION (*Brief scope, size, cost, etc.*) AND SPECIFIC ROLE

Check if project performed with current firm

**Role: CADD TECHNICIAN
Client: CSWR131 Mortensen, LLC Project Budget: \$90,000**

4.

San Tan 30 is an approximately 30-acre single family residential subdivision located near the southeast corner of Ocotillo Road and Coyote Road in Pinal County, Arizona. Cardno performed the civil engineering and survey services for the project including the ALTA and Topographic Survey, design and preparation of the Tentative Plat for the project. Cardno is under contract to design and prepare civil improvement plans as well as a final plat for the development. Cardno's work in this project will involve extensive coordination with the County as well as the different utility companies that serve the area.

Both Professional services and Construction are on-going.

(1) TITLE AND LOCATION (*City and State*)

PRADERA – GOODYEAR, ARIZONA

(2) YEAR COMPLETED - **2014**

Professional Services

Construction (if applicable)

(3) BRIEF DESCRIPTION (*Brief scope, size, cost, etc.*) AND SPECIFIC ROLE

Check if project performed with current firm

**Role: CADD TECHNICIAN
Client: CSWR131 Mortensen, LLC Project Budget: \$90,000**

5.

Pradera is an approximately 160-acre property located at the northwest corner of Citrus Road and Lower Buckeye Road in Goodyear, Arizona. Cardno previously designed the development as a progressive residential community, offering a variety of lot sizes and home types and also features multiple recreation trails and parks. The development was approved in the past but was never built. Cardno's recent work on this project has involved coordination with the City of Goodyear and other authorities having jurisdiction to update the old plans and obtain reapproval of the civil improvement plans. Extensive coordination has been carried out with the plan review agencies to ensure the project got credit for the previously approved plans.

Both Professional services and Construction are on-going.



ATTACHMENT I – General Qualifications

**ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSPO16-00005912**

**STATE PROCUREMENT OFFICE
Department of Administration
100 North 15th Avenue, Suite 201
Phoenix, Arizona 85007**

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

a. NAME JOHN P. JACOBSON	b. ROLE IN THIS CONTRACT PROJECT MANAGER/ LANDSCAPE ARCHITECT	c. YEARS EXPERIENCE	
		1. TOTAL 27	2. WITH CURRENT FIRM 1
d. LOCATION (City and State) CARDNO, INC. - SCOTTSDALE, ARIZONA			
e. EDUCATION (DEGREE AND SPECIALIZATION) THE OHIO STATE UNIVERSITY B.S. LANDSCAPE ARCHITECTURE		f. PROFESSIONAL TRAINING - REGISTRATIONS PROFESSIONAL LANDSCAPE ARCHITECT AZ #37041 NATIONAL COUNCIL OF LA REGISTRATION BOARDS #2061	

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

VALLEY FORWARD ENVIRONMENTAL EXCELLENCE AWARD: Phoenix Zoo Phoenix, Arizona
AMERICAN SOCIETY OF LANDSCAPE ARCHITECTS MERIT AWARD: Downtown Revitalization Buckeye, Arizona

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (City and State) ELLSWORTH ROAD STREETScape – QUEEN CREEK, ARIZONA	(2) YEAR COMPLETED - 2015	
		Professional Services X	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Role: PROJECT MANAGER LANDSCAPE ARCHITECT Client: Town of Queen Creek Project Budget: \$40,000 Landscape Architecture Practice Leader for streetscape and signage design associated with approximately one (1) mile of Ellsworth Road Improvements located in Queen Creek, Arizona. Design of planting, irrigation, and signage required detailed investigation and coordination with abutting property owners and the Town. Abutting land uses included private planned community development, public K-12 education, private pre-school facility, and Queen Creek Historical Society. Final design provided a cohesive streetscape experience while complimenting and enhancing the varied abutting property existing conditions.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION (City and State) PAPAGO PARK MULTI-USE TRAIL – TEMPE, ARIZONA	(2) YEAR COMPLETED -2015	
		Professional Services X	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Role: PROJECT MANAGER LANDSCAPE ARCHITECT Client: Salt River Project (SRP) Project Budget: \$45,000 Project Manager and Landscape Architect for approximately one (1) mile of multi-use pathway located in Papago Park Center, Tempe, Arizona. Responsibilities included stakeholder consensus building, permit & construction documentation preparation, bid phase assistance, and construction observation. Project efforts and program elements included existing conditions compilation, horizontal/vertical alignment generation, drainage way crossings, retaining walls, accessibility compliance, and as-built plan preparation.	<input type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION (City and State) DESERT RIDGE PLAN REVIEW SERVICES – PHOENIX, ARIZONA	(2) YEAR COMPLETED - 2015	
		Professional Services	Construction (if applicable)



ATTACHMENT I – General Qualifications

**ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSPO16-00005912**

**STATE PROCUREMENT OFFICE
Department of Administration
100 North 15th Avenue, Suite 201
Phoenix, Arizona 85007**

		X					
	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</p> <p>Role: PROJECT MANAGER LANDSCAPE ARCHITECT Client: Desert Ridge Community Association Project Budget: \$50,000</p> <p>Landscape Architect representing Desert Ridge Community Association (DRCA) in review of all DRCA commercial, retail, transportation, and residential development. Responsible to review and report findings of all development design submissions required to be in compliance with the DRCA Area Design Guidelines. Project types include communication tower facilities, retail & commercial businesses, master planned communities, multi-family developments, single family residential improvements, and primary entry monumentation elements.</p>	<input checked="" type="checkbox"/>	Check if project performed with current firm				
	<p>(1) TITLE AND LOCATION (City and State)</p> <p>CASHMAN PARK – PHOENIX, ARIZONA</p>	X	<p>(2) YEAR COMPLETED- 2014</p> <table border="1"> <tr> <td>Professional Services</td> <td>Construction (if applicable)</td> </tr> <tr> <td align="center">X</td> <td></td> </tr> </table>	Professional Services	Construction (if applicable)	X	
Professional Services	Construction (if applicable)						
X							
4.	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</p> <p>Role: PROJECT MANAGER LANDSCAPE ARCHITECT Client: City of Phoenix Project Budget: \$25,000</p> <p>Landscape Architect responsible for renovation design, value engineering, bidding assistance, and construction observation of an existing ten (10) acre community park located in Phoenix, Arizona. Cashman Park program elements requiring design, specification, cost estimating, and construction observation efforts included play equipment serving 2-5 year and 6-12 year user groups, clear-span shade sail structure, basketball courts and associated assemblies, volley ball courts with watering system, recreation trail system, fitness trail with fitness station equipment, planting, irrigation, entry signage munumentation, and lighting.</p>	<input type="checkbox"/>	Check if project performed with current firm				
	<p>(1) TITLE AND LOCATION (City and State)</p> <p>KNEADERS BAKERY & CAFÉ – MESA, ARIZONA</p>	X	<p>(2) YEAR COMPLETED 2015</p> <table border="1"> <tr> <td>Professional Services</td> <td>Construction (if applicable)</td> </tr> <tr> <td align="center">X</td> <td></td> </tr> </table>	Professional Services	Construction (if applicable)	X	
Professional Services	Construction (if applicable)						
X							
5.	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</p> <p>Role: LANDSCAPE ARCHITECT Client: Four Food Groups/Kneader’s Bakery Project Budget: \$30,000</p> <p>Landscape Architecture Practice Leader for two Kneader’s Bakery and Café sites in Mesa, Arizona. Project efforts included the preparation of planting, irrigation, hardscape, and signage improvement plans for the commercial development as well as representing the owner in public hearing meetings. Both projects received full approvals and are currently under construction.</p>	<input checked="" type="checkbox"/>	Check if project performed with current firm				



ATTACHMENT I – General Qualifications

**ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSPO16-00005912**

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

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

a. NAME Travis Bix	b. ROLE IN THIS CONTRACT Project Manager	c. YEARS EXPERIENCE	
		1. TOTAL 23	2. WITH CURRENT FIRM 17
d. LOCATION (City and State) Scottsdale, Arizona			
e. EDUCATION (DEGREE AND SPECIALIZATION) Management Training Seminar / 1996; ATSSA Traffic Control Supervisor / 1999; ASTTS Traffic Control Technician / 1999;		f. PROFESSIONAL TRAINING - REGISTRATIONS K-05, Utility Locating Contractor (Residential and Commercial) / AZ / #ROC263150	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) APWA, ACEC, SAME			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (City and State) Arizona Department of Transportation – Various Cities, AZ	(2) YEAR COMPLETED 2015 - On Going	
		Professional Services X	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager for On Call Utility Location and Designating Services. \$500K on average per year since 1999 providing ASCE 38-02 Subsurface Utility Engineering for ADOT's Engineering and Railroad division.	X	Check if project performed with current firm
2.	(1) TITLE AND LOCATION (City and State) Salt River Project – Various Cities, AZ	(2) YEAR COMPLETED 2015- On Going	
		Professional Services X	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager responsible for management of Cardno's Subsurface Utility Engineering services under this contract. Cardno's contract with SRP involves providing Subsurface Utility Engineering services on projects located at SRP facilities statewide, although the majority of work under this contract takes place within the greater Phoenix metropolitan area. With two designating crews and a minimum of three locating crews working daily, Cardno designates more than 2,000,000 feet of utilities and excavates more than 5,000 test holes for SRP each year. Under this contract, Cardno has provided services to SRP on an on-call basis since 1999.	X	Check if project performed with current firm
3.	(1) TITLE AND LOCATION (City and State) Maricopa County Department of Transportation – Various Cities, AZ.	(2) YEAR COMPLETED 2015- On Going	
		Professional Services X	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager responsible for management of Cardno's Subsurface Utility Engineering services under this contract. Cardno's contract with MCDOT primarily involves providing Subsurface Utility Engineering services on roadway improvement projects. Recent focus involves intersection clearing for installation of new traffic signals. Cardno has provided Subsurface Utility Engineering	X	Check if project performed with current firm



ATTACHMENT I – General Qualifications

**ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP016-00005912**

**STATE PROCUREMENT OFFICE
Department of Administration
100 North 15th Avenue, Suite 201
Phoenix, Arizona 85007**

services on an on-call basis to MCDOT under this contract since from 1999 to 2009.

4.	(1) TITLE AND LOCATION (City and State) City of Phoenix On Call Utility Locating – Phoenix, AZ	(2) YEAR COMPLETED 2012	
		Professional Services <input checked="" type="checkbox"/>	Construction (if applicable) <input type="checkbox"/>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager responsible for management of Cardno's On-Call Vacuum Excavation Potholing [test hole] Services contract for the period between 2001 and 2013 during which Cardno completed numerous locating projects and more than 750 test holes (ASCE Quality Level A). Additionally, from 2007 to 2013 Cardno also provided utility designating and mapping services (ASCE Quality Level D, C, and B) for various City of Phoenix projects.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION (City and State) Flood Control District of Maricopa County – Various Cities, AZ	(2) YEAR COMPLETED	
		Professional Services <input checked="" type="checkbox"/>	Construction (if applicable) <input type="checkbox"/>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager responsible for management of Cardno's Subsurface Utility Engineering services under this contract. A large portion of the work under this county-wide contract involves providing Subsurface Utility Engineering services for the design of underground storm drain piping. Cardno has provided services on an on-call basis to FCDMC under this contract since 2000.	<input checked="" type="checkbox"/>	Check if project performed with current firm



ATTACHMENT I – General Qualifications

**ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP016-00005912**

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

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

a. NAME Matthew Buchanan	b. ROLE IN THIS CONTRACT Land Surveyor	c. YEARS EXPERIENCE	
		1. TOTAL 17	2. WITH CURRENT FIRM 6 Months
d. LOCATION (City and State) Scottsdale, Arizona			
e. EDUCATION (DEGREE AND SPECIALIZATION) N/A		f. PROFESSIONAL TRAINING - REGISTRATIONS Registered Land Surveyor, 59228	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.)			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (City and State) Right-of-Way Project 019 PM 061 H8467 Nogales – Tucson - Ajo Way TI (JCT SR86) Tucson, Arizona	(2) YEAR COMPLETED 2014	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Role: Project Surveyor Client: ADOT - Project Budget: \$70,000 Responsible for a Supplemental Results of Survey and Final R/W plans. Survey and establish adjacent parcel boundary lines and existing R/W for side streets that intersect the I-19 existing R/W. Review title reports and create a Final R/w plan set depicting existing and proposed R/W.	Professional Services X	Construction (if applicable)
<input type="checkbox"/>		Check if project performed with current firm	
2.	(1) TITLE AND LOCATION (City and State) Vekol Wash Ground Survey Cross Sections and Random Points Gila Bend, Arizona	(2) YEAR COMPLETED 2015	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Role: Project Surveyor Client: Flood Control District of Maricopa County - Project Budget: \$28,000 Responsible for surveying 13 cross sections of Vekol Wash at 1 mile intervals and surveying one checkpoint per square mile within 49 square mile project limits. Create a survey report for the data obtained.	Professional Services X	Construction (if applicable)
<input type="checkbox"/>		Check if project performed with current firm	
3.	(1) TITLE AND LOCATION (City and State) Rio Salado Study Tempe, Arizona	(2) YEAR COMPLETED 2015	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Role: Land Surveyor/Project Manager Client: DGA Consulting - Project Budget: \$17,000 Responsible for horizontal and vertical control utilizing RTK GPS instruments. Field survey to measure and located utility designation paint marks performed by Cardno. Created existing utility mapping plan set.	Professional Services X	Construction (if applicable)
<input checked="" type="checkbox"/>		Check if project performed with current firm	
4.	(1) TITLE AND LOCATION (City and State) Cliffrose Kingman, Arizona	(2) YEAR COMPLETED 2015	
		Professional Services X	Construction (if applicable)
<input type="checkbox"/>		Check if project performed with current firm	



ATTACHMENT I – General Qualifications

**ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP016-00005912**

**STATE PROCUREMENT OFFICE
Department of Administration
100 North 15th Avenue, Suite 201
Phoenix, Arizona 85007**

	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</p> <p>Role: Land Surveyor/Project Manager Client: EPG - Project Budget: \$28,000 Cardno was contracted to perform a 3D ALTA/ACSM Land title survey of approximately 800 acres. Responsible for the horizontal and vertical survey control to retrace the boundary and create a topographic map with 1 foot contours to aid in civil design.</p>	<input checked="" type="checkbox"/>	<p>Check if project performed with current firm</p>			
	<p>(1) TITLE AND LOCATION (City and State) Lone Tree Chandler, Arizona</p>	<p>(2) YEAR COMPLETED Still under contract</p> <table border="1" style="width: 100%;"> <tr> <td style="width: 50%; text-align: center;"> Professional Services <input checked="" type="checkbox"/> </td> <td style="width: 50%; text-align: center;"> Construction (if applicable) </td> </tr> </table>		Professional Services <input checked="" type="checkbox"/>	Construction (if applicable)	
Professional Services <input checked="" type="checkbox"/>	Construction (if applicable)					
5.	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</p> <p>Role: Land Surveyor/Project Manager Client: Pulte Group - Project Budget: \$50,000 Cardno is contracted to perform construction staking services for Lone Tree, a residential community comprised of 72 single family homes. Responsible for all survey construction staking services for grading, water, sewer and paving. Perform site as-builts at the conclusion of the project.</p>	<input checked="" type="checkbox"/>	<p>Check if project performed with current firm</p>			



ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSPO16-00005912

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

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

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

a. TITLE AND LOCATION (City and State) Kneaders Bakery & Café, Mesa AZ	b. YEAR COMPLETED - 2015	
	PROFESSIONAL SERVICES X	CONSTRUCTION (If applicable)

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER Four Food Groups	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$80,000	e. TOTAL COST OF PROJECT \$80,000
---	---	---

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

Cardno provided civil engineering, project management and landscape architecture for two Kneader’s Bakery and Café sites in Mesa, Arizona. Work included the preparation of civil improvement plans for the commercial development as well as representing the owner in public hearing meetings. Both projects received full approvals and are currently under construction.

This project demonstrates the successful delivery of professional services and disciplines nominated in this contract.

Start Date: 2014 - End Date: 2015



ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP016-00005912

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

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

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

a. TITLE AND LOCATION (City and State) San Victor – Scottsdale, Arizona	b. YEAR COMPLETED - 2014	
	PROFESSIONAL SERVICES X	CONSTRUCTION (If applicable)

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER Standard Pacific Homes	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$85,000	e. TOTAL COST OF PROJECT \$85,000
---	---	---

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

San Victor is an approximately 6-acre multifamily residential development located at the southeast corner of 90th Street and San Victor Drive in the City of Scottsdale, Arizona. Cardno performed the civil engineering and survey services for the project including the design and preparation of civil improvement plans as well as the preparation of a condominium plat of the development. Cardno carried out extensive coordination with the design team as well as the City of Scottsdale and private utility companies to alleviate conflicts in the design of proposed improvements within and around the tightly spaced development.

This project demonstrates the successful delivery of professional services and disciplines nominated in this contract.

Start Date: 2013 - End Date: 2014



ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP016-00005912

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

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

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

a. TITLE AND LOCATION (City and State) Avian Meadows – Chandler, Arizona	b. YEAR COMPLETED - 2014	
	PROFESSIONAL SERVICES X	CONSTRUCTION (If applicable)

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER Communities Southwest	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$1,200,000	e. TOTAL COST OF PROJECT \$1,200,000
--	--	--

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

Avian Meadows is an approximately 65 acre, 200 lot subdivision, located near Chandler, Arizona. The community has been designed around a large open space system totaling more than 15 acres. It is directly across the street from the City of Chandler's Environmental Education Center which serves as a gateway to Veteran's Oasis Park. This park features a lush wetland and arid habitat which is inhabited by a variety of wildlife. Cardno provided landscape architecture, survey (ALTA), master planning and civil engineering. Cardno provided the necessary documents for Rezoning/Planned Area Development, preliminary plat, construction documents and final plat. Plans were also done for the offsite arterial roadways.

This project demonstrates the successful delivery of professional services and disciplines nominated in this contract.

Start Date: 01/12/09 End Date: 2014



ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP016-00005912

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

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

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

a. TITLE AND LOCATION (City and State)	b. YEAR COMPLETED – 2015- On Going	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Salt River Project (SRP) Utilities On Call Contract – Various Cities, AZ.	X	

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT	e. TOTAL COST OF PROJECT
Salt River Project (SRP)	\$100K Average Per Year	

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

Cardno's Subsurface Utility Engineering services manages this on-call contract with SRP providing Subsurface Utility Engineering services on projects located at SRP facilities statewide, although the majority of work under this contract takes place within the greater Phoenix metropolitan area. With two designating crews and a minimum of three locating crews working daily, Cardno designates more than 2,000,000 feet of utilities and excavates more than 5,000 test holes for SRP each year. Under this contract, Cardno has provided services to SRP on an on-call basis since 1999.

This project demonstrates the successful delivery of professional services and disciplines nominated in this contract.

Start Date: 1999 - End Date: On Going



ATTACHMENT I – General Qualifications

**ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP016-00005912**

**STATE PROCUREMENT OFFICE
Department of Administration
100 North 15th Avenue, Suite 201
Phoenix, Arizona 85007**

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> <p align="center">The Meadows – Peoria, Arizona</p>	b. YEAR COMPLETED – On Going	
	PROFESSIONAL SERVICES X	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER Community A Lago, LLC	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$1,100,000	e. TOTAL COST OF PROJECT \$1,092,000 to date
---	---	---

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

The Meadows is a part of the Camino á Lago Master Planned community consisting of approximately 1,350 acres, located in Peoria, AZ. Community Southwest is currently developing The Meadows, which is comprised of ten development units totaling 694 acres. Cardno is providing multidisciplinary services including concept master plans, master drainage design, civil engineering design, subdivision design, landscape architecture design, and theming. The Meadows is a master-planned mixed use development consisting of single-family detached residential homes, a community center, an elementary school, and a city park. The community has been designed to provide a broad range of residential zoning districts. The Meadows is part of the Camino A Lago Master Planned Community that was prepared by the Arizona State Land Department in the City of Peoria. The Cardno team provided multidisciplinary services including civil engineering, drainage, surveying, landscape architecture, and planning from the Planned Community Development amendment and rezoning stage to the preliminary plat stage to the final plat. Cardno is working with the State Land Department and the City for the preparation of a State Plat for designation of the arterial and collector road locations and alignments.

This project demonstrates the successful delivery of professional services and disciplines nominated in this contract.

Start Date: 04/15/07 End Date: On-going



ATTACHMENT I – General Qualifications

**ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP016-00005912**

**STATE PROCUREMENT OFFICE
Department of Administration
100 North 15th Avenue, Suite 201
Phoenix, Arizona 85007**

6. ADDITIONAL INFORMATION

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

The Arizona Cardno office is located in Scottsdale at 9977 N. 90th Street, Suite 150, Scottsdale, AZ 85258 and will be managed and lead by Daniel Pottinger, P.E. The Cardno Team includes talented professionals from different disciplines and diverse perspectives, with a shared mission to deliver superior client service, project management, responsible engineering practices, and thoughtful, creative design.

Cardno is a multi-disciplined, analysis and design firm offering civil engineering, landscape architecture, land use planning, GIS Services, land survey, subsurface utility engineering & location, environmental remediation, water resources, project management, construction administration, public involvement, and sustainable design services (LID) for the public and private sector. Cardno provides our clients with experienced professionals focused on delivering customized engineering and consulting solutions to plan, design, manage and deliver sustainable projects and community programs. Cardno is therefore able to provide the State of Arizona with the depth and range of services needed to complete any assignment that may be offered within the following categories and services:

GENERAL CIVIL ENGINEERING

• **Civil Engineering**

Cardno's Civil Engineering team of Engineers, Designers and CAD staff are fully experienced in the design of major/minor streets and roadways including paving geometrics, pavement drainage, signage and striping, topographic and corridor surveys, pavement management, adjacent site grading and drainage, utility coordination and permitting, earthwork analysis, Arizona Pollutant Discharge Elimination System/National Pollutant Discharge Elimination System (AZPDES/NPDES) permitting, value engineering, construction administration, construction cost estimating, and general permit coordination. The Cardno team has provided these services on numerous projects to public and private clients for over 20 years in the Phoenix area. The Cardno engineering team also includes Water Resource specialists with extensive experience performing on-call services for cities and counties in Arizona. This experience has been utilized in numerous flood mitigation projects culminating in drainage studies, alternatives analysis, recommendations and construction documents. Our experience includes hydrologic and hydraulic analysis, problematic drainage area assessments, drainage facility design, CLOMR/LOMR requests and environmental permitting (Section 404).

• **Surveying**

As a complete Land Survey practice, Cardno offers experience in all areas of land surveying, construction staking and design surveys for civil engineering design. The Cardno survey team's experience spans more than 30 years in the Phoenix area, having performed survey services for most of the cities, towns and counties within the metropolitan area and across Arizona. Clients have also included the Arizona Department of Transportation (ADOT) and the Maricopa County Flood Control District. The survey services include but are not limited to topographic surveys, cadastral and boundary surveys, construction staking, utility as-built surveys, GPS and photogrammetric control, preparation of legal descriptions and exhibits and American Land Title Association Surveys/American Congress on Surveying and Mapping (ALTA/ACSM) Land Title Surveys for projects large and small.

• **Landscape Architecture**

Cardno has licensed landscape architects in the Southwest, and a team of eight in the landscape architecture department. For more than 20 years the Cardno team has completed cost-effective and innovative design and construction administration services for both public and private clients across the globe. As a full service firm, Cardno's Arizona office has the resources needed to provide the State of Arizona with landscape architectural services. Our staff is highly experienced in the production of landscape architectural plans from concept through public participation and construction documents including grading plans, irrigation plans, planting plans, maintenance recommendations, conceptual renderings, elevation drawings and construction details. The Cardno team members are well acquainted with guiding plan sets through the governmental review process. We thoroughly review our project documents and specifications to ensure that each portion is tightly written and drawn in order for the implemented project to truly reflect the goals that were agreed upon. It is the desire of Cardno that the completed construction documents, as well as the implemented project exceed the expectations of the State of Arizona.

• **Subsurface Utilities Engineering**

Cardno has been providing Survey, Subsurface Utility Engineering (SUE) and Utility Potholing services since 1993 and in Arizona since 1998. Our specialty in utilities and utility engineering adds a much greater degree and level of confidence and trust in our service that is unparalleled in the utility industry. Annually, Cardno completes over 15,000,000 linear feet of designating (CI/ASCE 38-02 Quality Level B) and approximately 11,000 test holes (CI/ASCE 38-02 Quality Level A). Our client base includes over 35 state DOT's, an extensive list of counties and municipalities throughout the country, agencies that support airport, rail and regional transportation activities, engineering consultants, contractors and private utility companies. Cardno is recognized worldwide as a leader in the Subsurface Utility Engineering (SUE) industry. Cardno will approach and provide SUE services in accordance with the national Standard Guidelines for the Collection and Depiction of Existing Subsurface Utility Data (CI/ASCE 38-02), as published by the American Society of Civil Engineers (CI/ASCE 38-02). Our understanding of the requirements for subsurface utility engineering is unsurpassed by any other subsurface utility engineering provider.



ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP016-00005912

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

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:	25%
b. Percentage of Total Work Attributable to Non-Government Work:	75%

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

Signature:  Date: 12/15/2015

Name: Daniel Pottinger, P.E Title: Principal Engineer