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

1. **REVISED ADSPO13-00003465*: Annual Request for Qualifications***

a.	FIRM (OR BRANCH OFFICE) NAME:	Wilson Engineers
b.	FIRM (OR BRANCH OFFICE) STREET:	9633 S. 48th Street, Suite 290
c.	FIRM (OR BRANCH OFFICE) CITY:	Phoenix
d.	FIRM (OR BRANCH OFFICE) STATE:	Arizona
e.	FIRM (OR BRANCH OFFICE) ZIP CODE:	85044

f.	YEAR ESTABLISHED:	2006

(g1).	OWNERSHIP - TYPE:	LLC
(g2)	OWNERSHIP - SMALL BUSINESS STATUS:	Yes, Less than 100 Employees

h.	POINT OF CONTACT NAME AND TITLE:	Stephen M. Todd, Principal
i.	POINT OF CONTACT TELEPHONE NUMBER:	480-893-8860
j.	POINT OF CONTACT E-MAIL ADDRESS:	Steve.todd@wilson-engineers.com

k.	NAME OF FIRM *(If block 1a is a branch office)*:	Wilson Engineers

2. EMPLOYEES BY DISCIPLINE

a. Discipline Title	b. Function: Primary (P) or Secondary (S)	c. No. of Employees - Firm	d. No. of Employees - Branch
Civil Engineer	P	19	19
Construction Inspector	P	10	10
Electrical Engineer	P	7	7
Sanitary Engineer	P	5	5
Other	P	11	11
Total		52	52

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)*
12	Construction Management	7
2	Electrical Studies	2
8	Sewage Collection, Treatment and Disposal	5
9	Water Supply; Treatment and Distribution	5
6	Wastewater Treatment Facility	6
4	Water Well Rehabilitation; Water Well Work	2

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

1. Less than $100,000
2. $100,000 to less than $250,000
3. $250,000 to less than $500,000
4. $500,000 to less than $1 million
5. $1 million to less than $2 million
6. $2 million to less than $5 million
7. $5 million to less than $10 million
8. $10 million to less than $25 million
9. $25 million to less than $50 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	b. ROLE IN THIS CONTRACT	c. YEARS EXPERIENCE	
		1. TOTAL	2. WITH CURRENT FIRM
Steve Todd	Principal/Project Manager	23	23

d. FIRM NAME AND LOCATION *(City and State)*

Wilson Engineers, Phoenix, AZ

e. EDUCATION *(DEGREE AND SPECIALIZATION)*

B.S. in Chemical Engineering,
Arizona State University, 1990

f. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*

Professional Engineer in Arizona (PE #28375)

g. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

- *Arizona Grade 4 Water Treatment Plant Operator*
- *Arizona Grade 4 Wastewater Treatment Plant Operator*
- *Arizona Grade 4 Water Distribution Systems Operator*
- *Arizona Grade 4 Wastewater Collection Systems Operator*

H. RELEVANT PROJECTS

1)

(1) TITLE AND LOCATION *(City and State)*	(2) Year Completed	
	Professional Services	Construction *(if applicable)*
AWRF Expansion to 22MGD – Chandler, AZ	2013	

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

[X] Check if project performed with current firm

Project Principal and QA/QC reviewer for the design of a Wastewater Treatment Plant expansion from 7 MGD to 22 MGD. Project included process design, preparation of construction plans, permitting, and construction management. This was a $105.5M, 40 month design project.

The City of Chandler selected Wilson Engineers to provide permitting, design, and construction management services to expand the capacity of the Airport Water Reclamation Facility from 15 MGD to 22 MGD. This project provided additional wastewater treatment capabilities to accommodate the City's increasing industrial flow demands. The plant is an extended aeration design with nutrient removal, and the main treatment processes include fine, activated sludge basins, secondary clarifiers, flocculation, filtration, ultraviolet (UV) disinfection, odor control, and mechanical dewatering.

2)

(1) TITLE AND LOCATION *(City and State)*	(2) Year Completed	
	Professional Services	Construction *(if applicable)*
Vistancia Potable Wells 4 and 9 – Peoria, AZ	2011	2013

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

[X] Check if project performed with current firm

Project Principal and QA/QC reviewer for the design of two new potable water wells. Project included design, preparation of construction plans, permitting, and construction management. This was a $1.95M, 28 month project.

Wilson Engineers was selected to provide design, permitting, and construction services for the City of Peoria/Vistancia Potable Wells 4 and 9 project. The project entails equipping two potable wells, in addition to the existing 8 potable well system previously completed by Wilson Engineers, with vertical turbine well pumps, chlorination system, back-up generator system, pump-to-waste capabilities, perimeter masonry site wall, security system, and SCADA communication system for these remote facilities. Each well has a capacity of 900 gpm and 650 gpm, respectfully, and pump directly to the well transmission system where it is stored and subsequently pumped into the distribution system.

3)

(1) TITLE AND LOCATION *(City and State)*	(2) Year Completed	
7A-GS2 Concrete Reservoir – Phoenix, AZ	Professional Services 2012	Construction *(if applicable)*

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

[X] Check if project performed with current firm

Project Principal and QA/QC reviewer for the design of a new 3 MG concrete potable water reservoir. Project included design, preparation of construction plans, permitting, and construction management. This was a $7.2M, 36 month project.

Wilson Engineers was selected to provide design and construction services for the City of Phoenix's 7A-GS2 3 MG Concrete Reservoir Project. The first phase includes one 3 MG partially buried concrete reservoir system filled from the City's Water Distribution System Zone 6A and operating on the City's Zone 5E hydraulic grade. Along with the reservoir, the design includes the initial gas based chlorine facilities and chlortainer storage vessels, reservoir isolation valve vault and PRV station to transfer flow from Zone 6A to 5E, a reservoir recirculation pump station, and perimeter wall and landscaping improvements supported by City Art Funds. Lastly, with the implementation of the Stage II DBP Rule forthcoming, the reservoir was designed to easily accommodate the installation of five future surface aerators to reduce THMs (the design includes 'knock-outs' for future access hatches, guide rails, spare electrical capacity, and increased ventilation for the reservoir).

4)

(1) TITLE AND LOCATION *(City and State)*	(2) Year Completed	
3B-B2 Booster Pump Station – Phoenix, AZ	Professional Services 2012	Construction *(if applicable)*

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

[X] Check if project performed with current firm

Project Principal and QA/QC reviewer for the design of a new 12 MGD potable water booster pump station. Project included design, preparation of construction plans, permitting, and construction management. This was a $8.5M, 26 month project.

Wilson Engineers was selected by the City of Phoenix to provide design and construction related services for replacing the 3B-B2 12 MGD Booster Pump Station that serves Pressure Zone 3B. The new booster pump station is being designated as 3B-B4. The design includes four new vertical turbine can pumps, a pressure sustaining return line, a 5,000 gallon surge tank, and a new electrical building housing 4,160V equipment. As part of this project a new 4,160V service entrance is being coordinated with SRP. The process control strategy for the facility was coordinated with the City's Operations Staff to ensure that the local control and SCADA control met the City's desires.

5)

(1) TITLE AND LOCATION *(City and State)*	(2) Year Completed	
OWRF/AWRF Lift Station – Chandler, AZ	Professional Services 2011	Construction *(if applicable)* 2013

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

[X] Check if project performed with current firm

Project Principal and QA/QC reviewer for the design of a new 20 MGD sewage lift station. Project included design, preparation of construction plans, permitting, and construction management. This was a $17.1M, 30 month project.

The OWRF/AWRF Lift Station designed by Wilson Engineers was constructed within the Ocotillo WRF site and has the ability to pump up to 20 MGD to the Airport WRF. The Lift Station was also Master planned for a future OWRF Influent Pump Station. The Lift Station is able to collect flows from a 66" gravity line that carries primarily domestic sewage and from a 42" gravity line that carries industrial sewage from Intel. The Lift Station consists of three independent compartments connected by actuated sluice gates that allows the Lift Station to collect sewage from those two different sources and convey flows via the new 36" Ocotillo Force Main and/or via the existing 24" Queen Creek Force Main. Each of the two main wet wells includes two (2) 385HP VFD pumps and one (1) 140HP VFD pump. The wet wells are able to be operated independently or as one. The Lift Station design also includes a bridge crane to service the pumps, odor control units that consist of spray nozzles that release hydroxyl ions to eliminate odors and reduce pH corrosion, an electrical building and a backup generator.

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

a. NAME	b. ROLE IN THIS CONTRACT	c. YEARS EXPERIENCE	
		1. TOTAL	2. WITH CURRENT FIRM
Uday Gandhe	Principal / Senior Project Manager	23	17

d. FIRM NAME AND LOCATION *(City and State)*

Wilson Engineers, Phoenix, AZ

e. EDUCATION *(DEGREE AND SPECIALIZATION)*

- B.S. in Civil Engineering, Osmania University, India, 1985
- M.S. in Geotechnical Engineering, Osmania University, India, 1987
- M.S. in Environmental Engineering, New Jersey Institute of Technology,1991
- Master of Business Administration, Arizona State University, 2001

f. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*

Professional Engineer in Arizona (PE # 30184) and Hawaii

g. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

H. RELEVANT PROJECTS

1)

(1) TITLE AND LOCATION *(City and State)*	(2) Year Completed	
	Professional Services	Construction *(if applicable)*
AWRF Expansion to 22MGD – Chandler, AZ	2013	

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

[X] Check if project performed with current firm

Project Manager for the design of a Wastewater Treatment Plant expansion from 7 MGD to 22 MGD. Project included process design, preparation of construction plans, permitting, and construction management. This was a $105.5M, 40 month design project.

The City of Chandler selected Wilson Engineers to provide permitting, design, and construction management services to expand the capacity of the Airport Water Reclamation Facility from 15 MGD to 22 MGD. This project provided additional wastewater treatment capabilities to accommodate the City's increasing industrial flow demands. The plant is an extended aeration design with nutrient removal, and the main treatment processes include fine, activated sludge basins, secondary clarifiers, flocculation, filtration, ultraviolet (UV) disinfection, odor control, and mechanical dewatering.

2)

(1) TITLE AND LOCATION *(City and State)*	(2) Year Completed	
	Professional Services	Construction *(if applicable)*
OWRF/AWRF Lift Station – Chandler, AZ	2011	2013

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

[X] Check if project performed with current firm

Project Manager for the design of a new 20 MGD sewage lift station. Project included design, preparation of construction plans, permitting, and construction management. This was a $17.1M, 30 month project.

The OWRF/AWRF Lift Station designed by Wilson Engineers was constructed within the Ocotillo WRF site and has the ability to pump up to 20 MGD to the Airport WRF. The Lift Station was also Master planned for a future OWRF Influent Pump Station. The Lift Station is able to collect flows from a 66" gravity line that carries primarily domestic sewage and from a 42" gravity line that carries industrial sewage from Intel. The Lift Station consists of three independent compartments connected by actuated sluice gates that allows the Lift Station to collect sewage from those two different sources and convey flows via the new 36" Ocotillo Force Main and/or via the existing 24" Queen Creek Force Main. Each of the two main wet wells includes two (2) 385HP VFD pumps and one (1) 140HP VFD pump. The wet wells are able to be operated independently or as one. The Lift Station design also includes a bridge crane to service the pumps, odor control units that consist of spray nozzles that release hydroxyl ions to eliminate odors and reduce pH corrosion, an electrical building and a backup generator.

3)

(1) TITLE AND LOCATION *(City and State)*	(2) Year Completed	
	Professional Services	Construction *(if applicable)*
Chandler OWRF Blowers	2013	

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

[X] Check if project performed with current firm

Project Engineer for the OWRF Blowers.

The City of Chandler selected Wilson Engineers for an emergency blower repair work with a very aggressive schedule and no room for delay. In less than four months, Wilson assessed the existing aeration system, coordinated the refurbishing requirements of blowers from another facility and managed the construction services, working very closely with the City and the Contractor. Wilson Engineers strived to develop several practical options to determine the best location for the refurbished blowers, which were significantly larger in size and weight than the existing blowers. Wilson considered several alternatives and recommended installing the refurbished blowers in the existing Blower Building. Wilson conducted further investigation to ensure that all new mechanical and electrical components would not compromise the structural integrity of the building. During the startup and commissioning phase, Wilson Engineers was available 24/7 and assisted the City on multiple occasions.

4)

(1) TITLE AND LOCATION *(City and State)*	(2) Year Completed	
	Professional Services	Construction *(if applicable)*
7A-GS2 Concrete Reservoir – Phoenix, AZ	2012	

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

[X] Check if project performed with current firm

Project Engineer for the design of a new 3 MG concrete potable water reservoir. Project included design, preparation of construction plans, permitting, and construction management. This was a $7.2M, 36 month project.

Wilson Engineers was selected to provide design and construction services for the City of Phoenix's 7A-GS2 3 MG Concrete Reservoir Project. The first phase includes one 3 MG partially buried concrete reservoir system filled from the City's Water Distribution System Zone 6A and operating on the City's Zone 5E hydraulic grade. Along with the reservoir, the design includes the initial gas based chlorine facilities and chlortainer storage vessels, reservoir isolation valve vault and PRV station to transfer flow from Zone 6A to 5E, a reservoir recirculation pump station, and perimeter wall and landscaping improvements supported by City Art Funds. Lastly, with the implementation of the Stage II DBP Rule forthcoming, the reservoir was designed to easily accommodate the installation of five future surface aerators to reduce THMs (the design includes 'knock-outs' for future access hatches, guide rails, spare electrical capacity, and increased ventilation for the reservoir).

5)

(1) TITLE AND LOCATION *(City and State)*	(2) Year Completed	
	Professional Services	Construction *(if applicable)*
3B-B2 Booster Pump Station – Phoenix, AZ	2012	

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

[X] Check if project performed with current firm

Project Engineer for the design of a new 12 MGD potable water booster pump station. Project included design, preparation of construction plans, permitting, and construction management. This was a $8.5M, 26 month project.

Wilson Engineers was selected by the City of Phoenix to provide design and construction related services for replacing the 3B-B2 12 MGD Booster Pump Station that serves Pressure Zone 3B. The new booster pump station is being designated as 3B-B4. The design includes four new vertical turbine can pumps, a pressure sustaining return line, a 5,000 gallon surge tank, and a new electrical building housing 4,160V equipment. As part of this project a new 4,160V service entrance is being coordinated with SRP. The process control strategy for the facility was coordinated with the City's Operations Staff to ensure that the local control and SCADA control met the City's desires.

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

a. NAME	b. ROLE IN THIS CONTRACT	c. YEARS EXPERIENCE	
		1. TOTAL	2. WITH CURRENT FIRM
Mike Johnson	Project Manager	18	18

d. FIRM NAME AND LOCATION *(City and State)*

Wilson Engineers, Phoenix, AZ

e. EDUCATION *(DEGREE AND SPECIALIZATION)*

- M.S.E. Civil Engineering, Arizona State University, 1995
- B.S.E. Civil Engineering, Arizona State University, 1993

f. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*

Professional Registration in Arizona (PE#32278)

g. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

H. RELEVANT PROJECTS

1)

(1) TITLE AND LOCATION *(City and State)*	(2) Year Completed	
	Professional Services	Construction *(if applicable)*
Vistancia Potable Wells 4 and 9 – Peoria, AZ	2011	2013

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE [X] Check if project performed with current firm

Project Manager for the design of two new potable water wells. Project included design, preparation of construction plans, permitting, and construction management. This was a $1.95M, 28 month project.

Wilson Engineers was selected to provide design, permitting, and construction services for the City of Peoria/Vistancia Potable Wells 4 and 9 project. The project entails equipping two potable wells, in addition to the existing 8 potable well system previously completed by Wilson Engineers, with vertical turbine well pumps, chlorination system, back-up generator system, pump-to-waste capabilities, perimeter masonry site wall, security system, and SCADA communication system for these remote facilities. Each well has a capacity of 900 gpm and 650 gpm, respectfully, and pump directly to the well transmission system where it is stored and subsequently pumped into the distribution system.

2)

(1) TITLE AND LOCATION *(City and State)*	(2) Year Completed	
	Professional Services	Construction *(if applicable)*
7A-GS2 Concrete Reservoir – Phoenix, AZ	2012	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE [X] Check if project performed with current firm

Project Manager for the design of a new 3 MG concrete potable water reservoir. Project included design, preparation of construction plans, permitting, and construction management. This was a $7.2M, 36 month project.

Wilson Engineers was selected to provide design and construction services for the City of Phoenix's 7A-GS2 3 MG Concrete Reservoir Project. The first phase includes one 3 MG partially buried concrete reservoir system filled from the City's Water Distribution System Zone 6A and operating on the City's Zone 5E hydraulic grade. Along with the reservoir, the design includes the initial gas based chlorine facilities and chlortainer storage vessels, reservoir isolation valve vault and PRV station to transfer flow from Zone 6A to 5E, a reservoir recirculation pump station, and perimeter wall and landscaping improvements supported by City Art Funds. Lastly, with the implementation of the Stage II DBP Rule forthcoming, the reservoir was designed to easily accommodate the installation of five future surface aerators to reduce THMs (the design includes 'knock-outs' for future access hatches, guide rails, spare electrical capacity, and increased ventilation for the reservoir).

3)

(1) TITLE AND LOCATION *(City and State)*	(2) Year Completed	
	Professional Services	Construction *(if applicable)*
3B-B2 Booster Pump Station – Phoenix, AZ	2012	

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

[X] Check if project performed with current firm

Project Manager for the design of a new 12 MGD potable water booster pump station. Project included design, preparation of construction plans, permitting, and construction management. This was a $8.5M, 26 month project.

Wilson Engineers was selected by the City of Phoenix to provide design and construction related services for replacing the 3B-B2 12 MGD Booster Pump Station that serves Pressure Zone 3B. The new booster pump station is being designated as 3B-B4. The design includes four new vertical turbine can pumps, a pressure sustaining return line, a 5,000 gallon surge tank, and a new electrical building housing 4,160V equipment. As part of this project a new 4,160V service entrance is being coordinated with SRP. The process control strategy for the facility was coordinated with the City's Operations Staff to ensure that the local control and SCADA control met the City's desires.

4)

(1) TITLE AND LOCATION *(City and State)*	(2) Year Completed	
	Professional Services	Construction *(if applicable)*
Willcox Wastewater Treatment Plant 0.6 MGD Reconstruction - Willcox, AZ.	2013	

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

[X] Check if project performed with current firm

Project Manager responsible for the design of the City's Wastewater Treatment Plant 0.6 MGD Reconstruction.

The WWTP includes submersible influent pumps, solids screening, oxidation ditches, clarifiers, filters, sodium hypochlorite disinfection, solids dewatering with screw press, solids storage tank, and a new non-potable water system. Specific tasks included coordinating the Aquifer Protection Permit (APP) Application process with ADEQ, preparation of the detailed design report and construction documents.

5)

(1) TITLE AND LOCATION *(City and State)*	(2) Year Completed	
	Professional Services	Construction *(if applicable)*
OWRF/AWRF Lift Station – Chandler, AZ	2011	2013

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

[X] Check if project performed with current firm

Project Engineer for the design of a new 20 MGD sewage lift station. Project included design, preparation of construction plans, permitting, and construction management. This was a $17.1M, 30 month project.

The OWRF/AWRF Lift Station designed by Wilson Engineers was constructed within the Ocotillo WRF site and has the ability to pump up to 20 MGD to the Airport WRF. The Lift Station was also Master planned for a future OWRF Influent Pump Station. The Lift Station is able to collect flows from a 66" gravity line that carries primarily domestic sewage and from a 42" gravity line that carries industrial sewage from Intel. The Lift Station consists of three independent compartments connected by actuated sluice gates that allows the Lift Station to collect sewage from those two different sources and convey flows via the new 36" Ocotillo Force Main and/or via the existing 24" Queen Creek Force Main. Each of the two main wet wells includes two (2) 385HP VFD pumps and one (1) 140HP VFD pump. The wet wells are able to be operated independently or as one. The Lift Station design also includes a bridge crane to service the pumps, odor control units that consist of spray nozzles that release hydroxyl ions to eliminate odors and reduce pH corrosion, an electrical building and a backup generator.

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

a. NAME	b. ROLE IN THIS CONTRACT	c. YEARS EXPERIENCE	
		1. TOTAL	2. WITH CURRENT FIRM
Mike Churchill	Sr. Electrical Engineer/Project Manager	20	9

d. FIRM NAME AND LOCATION *(City and State)*

Wilson Engineers, Phoenix, AZ

e. EDUCATION *(DEGREE AND SPECIALIZATION)*

- Bachelor of Science in Electrical Engineering Technology, I.C.S., Canada, 1988
- Granton Institute of Technology, Toronto, Canada Electrical Power Distribution 1986

f. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*

Professional Engineer in Arizona (PE # 41023)

g. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

H. RELEVANT PROJECTS

1)

(1) TITLE AND LOCATION *(City and State)*	(2) Year Completed	
	Professional Services	Construction *(if applicable)*
AWRF Expansion to 22MGD – Chandler, AZ	2013	

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

[X] Check if project performed with current firm

Electrical Engineer for the design of a Wastewater Treatment Plant expansion from 7 MGD to 22 MGD. Project included process design, preparation of construction plans, permitting, and construction management. This was a $105.5M, 40 month design project.

The City of Chandler selected Wilson Engineers to provide permitting, design, and construction management services to expand the capacity of the Airport Water Reclamation Facility from 15 MGD to 22 MGD. This project provided additional wastewater treatment capabilities to accommodate the City's increasing industrial flow demands. The plant is an extended aeration design with nutrient removal, and the main treatment processes include fine, activated sludge basins, secondary clarifiers, flocculation, filtration, ultraviolet (UV) disinfection, odor control, and mechanical dewatering.

2)

(1) TITLE AND LOCATION *(City and State)*	(2) Year Completed	
	Professional Services	Construction *(if applicable)*
Vistancia Potable Wells 4 and 9 – Peoria, AZ	2011	2013

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

[X] Check if project performed with current firm

Electrical Engineer for the design of two new potable water wells. Project included design, preparation of construction plans, permitting, and construction management. This was a $1.95M, 28 month project.

Wilson Engineers was selected to provide design, permitting, and construction services for the City of Peoria/Vistancia Potable Wells 4 and 9 project. The project entails equipping two potable wells, in addition to the existing 8 potable well system previously completed by Wilson Engineers, with vertical turbine well pumps, chlorination system, back-up generator system, pump-to-waste capabilities, perimeter masonry site wall, security system, and SCADA communication system for these remote facilities. Each well has a capacity of 900 gpm and 650 gpm, respectfully, and pump directly to the well transmission system where it is stored and subsequently pumped into the distribution system.

3)

(1) TITLE AND LOCATION *(City and State)*	(2) Year Completed	
7A-GS2 Concrete Reservoir – Phoenix, AZ	Professional Services 2012	Construction *(if applicable)*

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

[X] Check if project performed with current firm

Electrical Engineer reviewer for the design of a new 3 MG concrete potable water reservoir. Project included design, preparation of construction plans, permitting, and construction management. This was a $7.2M, 36 month project.

Wilson Engineers was selected to provide design and construction services for the City of Phoenix's 7A-GS2 3 MG Concrete Reservoir Project. The first phase includes one 3 MG partially buried concrete reservoir system filled from the City's Water Distribution System Zone 6A and operating on the City's Zone 5E hydraulic grade. Along with the reservoir, the design includes the initial gas based chlorine facilities and chlortainer storage vessels, reservoir isolation valve vault and PRV station to transfer flow from Zone 6A to 5E, a reservoir recirculation pump station, and perimeter wall and landscaping improvements supported by City Art Funds. Lastly, with the implementation of the Stage II DBP Rule forthcoming, the reservoir was designed to easily accommodate the installation of five future surface aerators to reduce THMs (the design includes 'knock-outs' for future access hatches, guide rails, spare electrical capacity, and increased ventilation for the reservoir).

4)

(1) TITLE AND LOCATION *(City and State)*	(2) Year Completed	
3B-B2 Booster Pump Station – Phoenix, AZ	Professional Services 2012	Construction *(if applicable)*

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

[X] Check if project performed with current firm

Electrical Engineer for the design of a new 12 MGD potable water booster pump station. Project included design, preparation of construction plans, permitting, and construction management. This was a $8.5M, 26 month project.

Wilson Engineers was selected by the City of Phoenix to provide design and construction related services for replacing the 3B-B2 12 MGD Booster Pump Station that serves Pressure Zone 3B. The new booster pump station is being designated as 3B-B4. The design includes four new vertical turbine can pumps, a pressure sustaining return line, a 5,000 gallon surge tank, and a new electrical building housing 4,160V equipment. As part of this project a new 4,160V service entrance is being coordinated with SRP. The process control strategy for the facility was coordinated with the City's Operations Staff to ensure that the local control and SCADA control met the City's desires.

5)

(1) TITLE AND LOCATION *(City and State)*	(2) Year Completed	
OWRF/AWRF Lift Station – Chandler, AZ	Professional Services 2011	Construction *(if applicable)* 2013

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

[X] Check if project performed with current firm

Electrical Engineer for the design of a new 20 MGD sewage lift station. Project included design, preparation of construction plans, permitting, and construction management. This was a $17.1M, 30 month project.

The OWRF/AWRF Lift Station designed by Wilson Engineers was constructed within the Ocotillo WRF site and has the ability to pump up to 20 MGD to the Airport WRF. The Lift Station was also Master planned for a future OWRF Influent Pump Station. The Lift Station is able to collect flows from a 66" gravity line that carries primarily domestic sewage and from a 42" gravity line that carries industrial sewage from Intel. The Lift Station consists of three independent compartments connected by actuated sluice gates that allows the Lift Station to collect sewage from those two different sources and convey flows via the new 36" Ocotillo Force Main and/or via the existing 24" Queen Creek Force Main. Each of the two main wet wells includes two (2) 385HP VFD pumps and one (1) 140HP VFD pump. The wet wells are able to be operated independently or as one. The Lift Station design also includes a bridge crane to service the pumps, odor control units that consist of spray nozzles that release hydroxyl ions to eliminate odors and reduce pH corrosion, an electrical building and a backup generator.

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

a. NAME	b. ROLE IN THIS CONTRACT	c. YEARS EXPERIENCE	
		1. TOTAL	2. WITH CURRENT FIRM
Ed McCurdy	Construction Manager	30	28

d. FIRM NAME AND LOCATION *(City and State)*

Wilson Engineers, Phoenix, AZ

e. EDUCATION *(DEGREE AND SPECIALIZATION)*

- B.S. in Civil Engineering, Oregon State University, 1969

f. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*

Professional Engineer in Colorado and New Mexico

g. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

H. RELEVANT PROJECTS

1)

(1) TITLE AND LOCATION *(City and State)*	(2) Year Completed	
	Professional Services	Construction *(if applicable)*
AWRF Expansion to 22MGD – Chandler, AZ	2013	

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

[X] Check if project performed with current firm

Construction Manager for the design of a Wastewater Treatment Plant expansion from 7 MGD to 22 MGD. Project included process design, preparation of construction plans, permitting, and construction management. This was a $105.5M, 40 month design project.

The City of Chandler selected Wilson Engineers to provide permitting, design, and construction management services to expand the capacity of the Airport Water Reclamation Facility from 15 MGD to 22 MGD. This project provided additional wastewater treatment capabilities to accommodate the City's increasing industrial flow demands. The plant is an extended aeration design with nutrient removal, and the main treatment processes include fine, activated sludge basins, secondary clarifiers, flocculation, filtration, ultraviolet (UV) disinfection, odor control, and mechanical dewatering.

2)

(1) TITLE AND LOCATION *(City and State)*	(2) Year Completed	
	Professional Services	Construction *(if applicable)*
Vistancia Potable Wells 4 and 9 – Peoria, AZ	2011	2013

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

[X] Check if project performed with current firm

Construction Manager for the design of two new potable water wells. Project included design, preparation of construction plans, permitting, and construction management. This was a $1.95M, 28 month project.

Wilson Engineers was selected to provide design, permitting, and construction services for the City of Peoria/Vistancia Potable Wells 4 and 9 project. The project entails equipping two potable wells, in addition to the existing 8 potable well system previously completed by Wilson Engineers, with vertical turbine well pumps, chlorination system, back-up generator system, pump-to-waste capabilities, perimeter masonry site wall, security system, and SCADA communication system for these remote facilities. Each well has a capacity of 900 gpm and 650 gpm, respectfully, and pump directly to the well transmission system where it is stored and subsequently pumped into the distribution system.

3)

(1) TITLE AND LOCATION *(City and State)*	(2) Year Completed	
	Professional Services	Construction *(if applicable)*
7A-GS2 Concrete Reservoir -- Phoenix, AZ	2012	

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

[X] Check if project performed with current firm

Construction Manager for the design of a new 3 MG concrete potable water reservoir. Project included design, preparation of construction plans, permitting, and construction management. This was a $7.2M, 36 month project.

Wilson Engineers was selected to provide design and construction services for the City of Phoenix's 7A-GS2 3 MG Concrete Reservoir Project. The first phase includes one 3 MG partially buried concrete reservoir system filled from the City's Water Distribution System Zone 6A and operating on the City's Zone 5E hydraulic grade. Along with the reservoir, the design includes the initial gas based chlorine facilities and chlortainer storage vessels, reservoir isolation valve vault and PRV station to transfer flow from Zone 6A to 5E, a reservoir recirculation pump station, and perimeter wall and landscaping improvements supported by City Art Funds. Lastly, with the implementation of the Stage II DBP Rule forthcoming, the reservoir was designed to easily accommodate the installation of five future surface aerators to reduce THMs (the design includes 'knock-outs' for future access hatches, guide rails, spare electrical capacity, and increased ventilation for the reservoir).

4)

(1) TITLE AND LOCATION *(City and State)*	(2) Year Completed	
	Professional Services	Construction *(if applicable)*
3B-B2 Booster Pump Station -- Phoenix, AZ	2012	

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

[X] Check if project performed with current firm

Construction Manager for the design of a new 12 MGD potable water booster pump station. Project included design, preparation of construction plans, permitting, and construction management. This was a $8.5M, 26 month project.

Wilson Engineers was selected by the City of Phoenix to provide design and construction related services for replacing the 3B-B2 12 MGD Booster Pump Station that serves Pressure Zone 3B. The new booster pump station is being designated as 3B-B4. The design includes four new vertical turbine can pumps, a pressure sustaining return line, a 5,000 gallon surge tank, and a new electrical building housing 4,160V equipment. As part of this project a new 4,160V service entrance is being coordinated with SRP. The process control strategy for the facility was coordinated with the City's Operations Staff to ensure that the local control and SCADA control met the City's desires.

5)

(1) TITLE AND LOCATION *(City and State)*	(2) Year Completed	
	Professional Services	Construction *(if applicable)*
OWRF/AWRF Lift Station – Chandler, AZ	2011	2013

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

[X] Check if project performed with current firm

Construction Manager for the design of a new 20 MGD sewage lift station. Project included design, preparation of construction plans, permitting, and construction management. This was a $17.1M, 30 month project.

The OWRF/AWRF Lift Station designed by Wilson Engineers was constructed within the Ocotillo WRF site and has the ability to pump up to 20 MGD to the Airport WRF. The Lift Station was also Master planned for a future OWRF Influent Pump Station. The Lift Station is able to collect flows from a 66" gravity line that carries primarily domestic sewage and from a 42" gravity line that carries industrial sewage from Intel. The Lift Station consists of three independent compartments connected by actuated sluice gates that allows the Lift Station to collect sewage from those two different sources and convey flows via the new 36" Ocotillo Force Main and/or via the existing 24" Queen Creek Force Main. Each of the two main wet wells includes two (2) 385HP VFD pumps and one (1) 140HP VFD pump. The wet wells are able to be operated independently or as one. The Lift Station design also includes a bridge crane to service the pumps, odor control units that consist of spray nozzles that release hydroxyl ions to eliminate odors and reduce pH corrosion, an electrical building and a backup generator.

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 2013	
	PROFESSIONAL SERVICES 2013	CONSTRUCTION *(If applicable)*
City of Chandler Airport Water Reclamation Facility, Chandler AZ		

23. PROJECT OWNER'S INFORMATION

c .PROJECT OWNER	d .DOLLAR AMOUNT OF PROJECT	e. TOTAL COST OF PROJECT
City of Chandler	$105.5 Million	$105.5 Million

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

The City of Chandler selected Wilson Engineers to provide permitting, design, and construction management services to expand the capacity of the Airport Water Reclamation Facility from 15 MGD to 22 MGD. This project provided additional wastewater treatment capabilities to accommodate the City's increasing industrial flow demands. The plant is an extended aeration design with nutrient removal, and the main treatment processes include fine, activated sludge basins, secondary clarifiers, flocculation, filtration, ultraviolet (UV) disinfection, odor control, and mechanical dewatering.

Dewatering facilities included a sludge holding tank and belt presses. The sludge thickening process was also expanded to reduce

the loading on the dewatering facilities. A three-stage chemical scrubber was provided for the headworks building and the sludge facilities.

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 2013	
	PROFESSIONAL SERVICES 2011	CONSTRUCTION *(If applicable)* 2013
City of Peoria/Vistancia CFD Potable Wells 4 and 9, Peoria, AZ		

23. PROJECT OWNER'S INFORMATION

c .PROJECT OWNER	d .DOLLAR AMOUNT OF PROJECT	e. TOTAL COST OF PROJECT
City of Peoria	$1.95 Million	$1.95 Million

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

Wilson Engineers was selected to provide design, permitting, and construction services for the City of Peoria/Vistancia Potable Wells 4 and 9 project. The project entails equipping two potable wells, in addition to the existing 8 potable well system previously completed by Wilson Engineers, with vertical turbine well pumps, chlorination system, back-up generator system, pump-to-waste capabilities, perimeter masonry site wall, security system, and SCADA communication system for these remote facilities. Each well has a capacity of 900 gpm and 650 gpm, respectfully, and pump directly to the well transmission system where it is stored and subsequently pumped into the distribution system.

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	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION *(If applicable)*
City of Phoenix 7A-GS2 3 MG Concrete Reservoir Project		

23. PROJECT OWNER'S INFORMATION

c .PROJECT OWNER	d .DOLLAR AMOUNT OF PROJECT	e. TOTAL COST OF PROJECT
City of Phoenix	$7.2 Million	$7.2 Million

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

Wilson Engineers was selected to provide design and construction services for the City of Phoenix's 7A-GS2 3 MG Concrete Reservoir Project. The first phase includes one 3 MG partially buried concrete reservoir system filled from the City's Water Distribution System Zone 6A and operating on the City's Zone 5E hydraulic grade. Along with the reservoir, the design includes the initial gas based chlorine facilities and chlortainer storage vessels, reservoir isolation valve vault and PRV station to transfer flow from Zone 6A to 5E, a reservoir recirculation pump station, and perimeter wall and landscaping improvements supported by City Art Funds. Lastly, with the implementation of the Stage II DBP Rule forthcoming, the reservoir was designed to easily accommodate the installation of five future surface aerators to reduce THMs (the design includes 'knock-outs' for future access hatches, guide rails, spare electrical capacity, and increased ventilation for the reservoir).

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	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
City of Phoenix 3B-B2 Booster Pump Station Replacement Project	2012	

23. PROJECT OWNER'S INFORMATION

c .PROJECT OWNER	d .DOLLAR AMOUNT OF PROJECT	e. TOTAL COST OF PROJECT
City of Phoenix	$8.5 Million	$8.5 Million

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

Wilson Engineers was selected by the City of Phoenix to provide design and construction related services for replacing the 3B-B2 12 MGD Booster Pump Station that serves Pressure Zone 3B. The new booster pump station is being designated as 3B-B4. The design includes four new vertical turbine can pumps, a pressure sustaining return line, a 5,000 gallon surge tank, and a new electrical building housing 4,160V equipment. As part of this project a new 4,160V service entrance is being coordinated with SRP. The process control strategy for the facility was coordinated with the City's Operations Staff to ensure that the local control and SCADA control met the City's desires.

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	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
City of Chandler OWRF/AWRF Lift Station	2011	2013

23. PROJECT OWNER'S INFORMATION

c .PROJECT OWNER	d .DOLLAR AMOUNT OF PROJECT	e. TOTAL COST OF PROJECT
City of Chandler	$17.1 Million	$17.1 Million

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

The OWRF/AWRF Lift Station designed by Wilson Engineers was constructed within the Ocotillo WRF site and has the ability to pump up to 20 MGD to the Airport WRF. The Lift Station was also Master planned for a future OWRF Influent Pump Station. The Lift Station is able to collect flows from a 66" gravity line that carries primarily domestic sewage and from a 42" gravity line that carries industrial sewage from Intel. The Lift Station consists of three independent compartments connected by actuated sluice gates that allows the Lift Station to collect sewage from those two different sources and convey flows via the new 36" Ocotillo Force Main and/or via the existing 24" Queen Creek Force Main. Each of the two main wet wells includes two (2) 385HP VFD pumps and one (1) 140HP VFD pump. The wet wells are able to be operated independently or as one. The Lift Station design also includes a bridge crane to service the pumps, odor control units that consist of spray nozzles that release hydroxyl ions to eliminate odors and reduce pH corrosion, an electrical building and a backup generator.

6. ADDITIONAL INFORMATION

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

Wilson Engineers provides sound technical expertise and comprehensive design solutions to fit our client's goals. Our project teams deliver a full complement of master planning, design, and construction services for water, wastewater, and reclaimed water systems.

- Water Systems: Feasibility studies, wells, distribution systems, pump stations, storage facilities, and treatment plants.
- Wastewater Systems: Studies, collection system designs, treatment plants, and lift stations.

The adjacent table presents relevant projects that our Firm has completed for Arizona State Agencies.

Firm Description
Wilson Engineers is an Arizona-based firm with a staff of over 50 personnel specializing in water, wastewater, reclaimed water engineering, and construction management. We provide full-service planning, design, construction management, start-up, and commissioning services for public and private clients.

Firm Contact: Stephen Todd, PE, Wilson Engineers, 9633 South 48th Street Suite 290, Phoenix, Arizona 85044 | Tel: 480-893-8860 | Fax: 480-893-8968

Steve.Todd@Wilson-Engineers.com

Our employees have been helping Arizona communities grow since 1985. Our local clients include the cities of Avondale, Buckeye, Chandler, Gilbert, Glendale, Goodyear, Mesa, Peoria, Phoenix, Scottsdale, Tempe, and other Arizona communities.
We have also worked for such state clients as Arizona Department of Administration, Arizona State Parks Department, Arizona Department of Environmental Quality, Arizona Game and Fish Department, and Arizona Department of Corrections. We bring the following features to your projects:

- Owner-level leadership to facilitate your schedule needs—Stephen Todd, PE, our designated project principal, is an Arizona-registered professional engineer and a veteran engineer with the authority to make critical project decisions.
- A thorough understanding of the local agency approval and permitting processes, and can phase tasks as needed, to meet schedule requirements.
- Strategic relationships with reliable local subconsultants to ensure we build synergistic teams to create the best design for each unique client situation. They know our computer-aided drafting (CAD) standards, procedures, and preferences, which expedites drawing drafts and revisions.
- Relevant project experience allows us to have relationships with local contractors who know our designs are based on sound solutions incorporating proven constructability options.

ARIZONA STATE AGENCY PROJECTS

Year	Agency	Project
1986	ADOA	ASP Safford Wastewater Treatment Plant
1986	ADOA	ASP Perryville Wastewater Treatment Plant
1987	ASP	Patagonia State Park Wastewater Treatment Plant
1987	ADOA	ASPC Florence Wells and Transmission Mains
1988	ADOA	ASP Ft. Grant Wastewater Treatment Plant
1988	AG&F	Pinetop Springs Improvement Study
1990	ADOA	Block 2 Capitol Addition Boundary Survey
1990	ADOA	ASP Safford Utility System Expansion
1991	AG&F	Bubbling Ponds Hatchery Improvements
1992	ASP	Slide Rock Wastewater Treatment Improvements
1993	ADOA	ASPC Eyman Wastewater Treatment Expansion
1993	ADOA	ASPC Tucson Pump Stations and Force Mains
1993	ADOA	ASP Yuma Aquifer Protection Permit
1995	ADOA	ASP Globe Wastewater Treatment Plant
1996	ADEQ	On Call Open End Contract (18 separate task orders)
1997	AG&F	Ben Avery Utilities Study and Design
1999	ADOA	ASPC Tucson 2 Utility Systems
2000	ADOA	ASP Ft Grant Well Improvement Study
2001	ADOA	ASP Yuma Water Supply Pilot Testing
2002	ADOA	ASP Ft. Grant Landfill Closure
2003	ADJC	SWRJCC Wetland Well Evaluation
2003	ADC	ASPC Florence - Picacho Unit Septic Tank
2004	ADOA	1,000 Beds Utility Systems
2004	ADOA	ASPC Eyman Utilities Canal Crossing Permits
2006	ADC	ASPC Florence - Picacho Unit Arsenic Removal System
2006	ADC	ASPC Lewis Brine Disposal Study
2007	ADOA	Adobe Mountain School Arsenic Removal System
2008	ADOA	ASPC Lewis Water Improvements
2008	ADOA	ASPC Tucson WWTP Closure
2009	ADOA	ASPC Eyman Permitting
2010	ADOA	ASPC Lewis APP Modifications
2010	ADOA	ASPC Ft. Grant Well Rehabilitation
2010	ASPC	Lewis Wells
2011	ASPC	Lewis Well 4 Motor Upgrade

ADOA - Arizona Department of Administration
ASP - Arizona State Parks Department
AG&F - Arizona Game and Fish Department
ADEQ - Arizona Department of Environmental Quality
ADJCD - Arizona Department of Juvenile Corrections
ADC - Arizona Department of Corrections

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:	95
b.	Percentage of Total Work Attributable to Non-Government Work:	5

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

Signature: _____ Date: 12/12/2013

Name: Stephen M. Todd Title: Principal