

## ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO: ADSPO15-00004729

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

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

## 1. Annual Request for Qualifications

		Woodson Engineering & Surveying, Inc.
a.	FIRM (OR BRANCH OFFICE ) NAME:	404 N. Filler Olympia
b.	FIDM (OD RDANICH OFFICE) STREET:	124 N Elden Street
υ.	FIRM (OR BRANCH OFFICE) STREET:	Flagstaff
C.	FIRM (OR BRANCH OFFICE) CITY:	i iagsiaii
	,	AZ
d.	FIRM (OR BRANCH OFFICE) STATE:	
		86001
e.	FIRM (OR BRANCH OFFICE) ZIP CODE:	
		4004
f.	YEAR ESTABLISHED:	1994
1.	TEAN EGTADEIGHED.	I
		Corporation
(g1).	OWNERSHIP - TYPE:	
		yes
(g2)	OWNERSHIP - SMALL BUSINESS STATUS:	
		•
-		Jeff Swan, Senior Project Manager
h.	POINT OF CONTACT NAME AND TITLE:	
		928-774-4636
i.	POINT OF CONTACT TELEPHONE NUMBER:	
_		iswan@woodsoneng.com
j.	POINT OF CONTACT E-MAIL ADDRESS:	
k.	NAME OF FIRM (If block 1a is a branch office):	



# ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO: ADSPO15-00004729

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

## 2. EMPLOYEES BY DISCIPLINE

a. Discipline Title		b. Function: Primary (P) or Secondary (S)	c. No. of Employees - Firm	d. No. of Employees - Branch
CADD Technician		P	2	
Civil Engineer		Р	4	
Hydraulic Engineer		Р	2	
Technician/Analyst		Р	2	
Transportation Engineer		Р	1	
Other		Р	4	
Project Manager		S	6	
Civil Engineer		S	3	
	Total		24	



## ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO: ADSPO15-00004729

STATE PROCUREMENT OFFICE Department of Administration 100 North 15<sup>th</sup> 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 (see below)
1	Airports; Terminals and Hangars; Freight Handling	1
6	Commercial Building (low rise); Shopping Centers	1
6	Construction Surveying	1
2	Forensic Engineering	1
9	Highways; Streets; Airfield Paving; Parking Lots	2
10	Housing (Residential, Multi-Family; Apartments; Condominiums)	2
12	Land Surveying	1
2	Recreation Facilities (parks, Marinas, Etc.)	1
10	Sewage Collection, Treatment and Disposal	2
9	Surveying; Platting; Mapping; Flood Plain Studies	2
6	Storm Water Handling and Facilities	2
3	Traffic and Transportation Engineering	1
14	Topographic Surveying and Mapping	2
4	Transportation	1
8	Water Supply; Treatment and Distribution	2
3	Zoning; Land Use Studies	1

#### 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



## ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO: ADSPO15-00004729

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

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

a. NA		b. ROLE IN THIS CONTRACT	ipiete one Section	C.	. YEARS EXPERIENCE			
		Project Principal		1. TOTAL <b>36</b>	2. WITH CURRENT FIRM <b>20.5</b>			
	d. FIRM NAME AND LOCATION (City and State) Woodson Engineering & Surveying, Flagstaff, AZ							
	UCATION (DEGREE AND SPECIALIZATION) BSCE (Civil Engineering) University of MBA, University of Arizona	Arizona Ariz Ariz	zona, Professio	nal Engir	(STATE AND DISCIPLINE) neer (Civil), #14855 urveyor, #16630			
g. OT	HER PROFESSIONAL QUALIFICATIONS (Publications, Organisms) Fellow, American Society of Civil Engir		Outstanding Civ	il Engine	er			
		H. RELEVANT PROJECTS	<u> </u>					
	(1) TITLE AND LOCATION (City and State)  Contract City Engineer, City of Winslow,	Winslow, AZ	Professional Services Ongoing	C	Completed Construction (if applicable) Ongoing			
1)	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND	SPECIFIC ROLE		neck if project	performed with current firm			
1)	Serves as the contract City Engineer. As the management of capital projects for projects and coordinated with developer	or both design and cons	ff on engineerir	ng related	d projects. Assisted in			
	(1) TITLE AND LOCATION (City and State)	CC A.7	Professional Services		Completed Construction (if applicable)			
2)	Flagstaff Unified School District, Flagsta	iff, AZ 	Ongoing		Ongoing			
2)	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND	) SPECIFIC ROLE	X Ch	neck if project	performed with current firm			
	Principal in charge for on-call services for capital and adjacent-ways improvements throughout the district							
	(1) TITLE AND LOCATION (City and State)		Professional Services		Completed Construction (if applicable)			
	Coconino Community College, Flagstaff,	, AZ 	2004		2004			
۵)	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND	) SPECIFIC ROLE	⊠ <sub>Ch</sub>	neck if project	performed with current firm			
3)	Planning, design and construction of a	• • • • • • • • • • • • • • • • • • •						
	Mark was involved with the preliminary preservices. Site improvements included with make a final campus.							
	(1) TITLE AND LOCATION (City and State)	Llalbrack A7	Professional Services		Completed Construction (if applicable)			
	Contract City Engineer, City of Holbrook	., HOIDTOOK, AZ	2008	•	2008			
4)	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND	) SPECIFIC ROLE	X <sub>Ch</sub>	neck if project	performed with current firm			
٦)	Served as the contract City Engineer, as		ipal projects. A	is the eng	gineer, advised city staff			
	on engineering related projects. Assiste construction. Reviewed and approved d							
	(1) TITLE AND LOCATION (City and State)	Λ7	Professional Services		Completed Construction (if applicable)			
	City of Flagstaff City Engineer, Flagstaff		1993		1993			
5)	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND		X  <sub>Ch</sub>	neck if project	performed with current firm			
	Served as the City Engineer for the City of Fl Improvements, Traffic Engineering, Materials the liaison for the City with NAU and other lo	s Testing, Inspection, Survey	and Contracts A	\dministra	ition. He also served as			



### ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO: ADSPO15-00004729

	RESUMES OF KET PERSONNEL PROPOSEL		ipiete one Section		<u> </u>
a. NA		b. ROLE IN THIS CONTRACT		c. Y	YEARS EXPERIENCE  2. WITH CURRENT FIRM
Ri	ck Schuller	Associate Principal		24	15
d. FI	RM NAME AND LOCATION (City and State)			124	
	odson Engineering & Surveying, Flagsta	ff. AZ			
l e. ED	UCATION (DEGREE AND SPECIALIZATION)		PROFESSIONAL REG	SISTRATION (S	STATE AND DISCIPLINE)
	University of Minnesota, BS Civil Engir		al Engineer, Mir	•	•
	Oniversity of Minimesota, Do orvir Engin	•	•		
		Profession	al Engineer, Ari	ZUIIa - CIV	II, #3433 <i>1</i>
a. OT	HER PROFESSIONAL QUALIFICATIONS (Publications, Org	anizations. Training. Awards. etc.)			
	rthern Arizona Builders Association, Arizo		Assoc America	an Society	of Civil Engineers
1401	THE THE THE DUNCTION OF THE PROPERTY OF THE PR		13300., 711101100	Til Society	or orvir Engineers
		H. RELEVANT PROJECTS			
	(1) TITLE AND LOCATION (City and State)			(2) Year Co	•
	Flagstaff 2010 Bond Beaver St and Leroux S	it., Flagstaff, AZ	Professional Services		nstruction (if applicable)
			2012		112
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND	SPECIFIC ROLE	$oxed{ imes}_{Ch}$	neck if project po	erformed with current firm
1)	Utility and streetscape design for sewer, water, i		& gutter, ADA ram	os and analy	vsis of local drainage
	and hydrologic and hydraulics conditions of exi				
	nents with contractor. Work included topograph				
	alternative analysis and design construction ser				
	(1) TITLE AND LOCATION (City and State)	11003. 2031 <b>9</b> .1 0031 \$200/000/	1	(2) Year Co	•
	Northern Arizona Intergovernmental Public Tran	sportation Authority (NAIPTA)	Professional Services	Cc	onstruction (if applicable)
	Transit Link Project, Flagstaff, AZ	sportation riamonty (in in 17.)	2011		)12
	<b>1</b> . <b>1</b> .				
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) ANI		ഥ <sub>Ch</sub>	eck if project pe	erformed with current firm
2)	A design/build project, which, teamed Woodson	Engineering with a national eng	ineering firm and a	ı large Arizor	na contractor. Woodson
	Engineering provided the survey and mapping work used to develop project base maps. We also provided drainage and uti				
	work for this entire project which consisted of a	new roadway servicing the tran-	sit link right throug	gh the existir	ng NAU campus along with
	new updated bus stops in the Flagstaff downtow	n area and Woodlands Village.	The City of Flagsta	iff, NAIPTA a	and NAU were all partners
	in this Federally and locally funded project. Size	e: 5 miles. Design Cost \$370,413	3, Construction Co	st \$4.2 millio	on.
	(1) TITLE AND LOCATION (City and State)			(2) Year Co	ompleted
	Southside Improvement Project, City of Flag	gstaff On-Call, Flagstaff, AZ	Professional Services		Construction (if applicable)
			2008	[2	2010
3)	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) ANI	O SPECIFIC ROLE	X	neck if project p	erformed with current firm
0,	Provided surveying, planning and engineering s		eet and sidewalk r	estoration n	roject as part of our On-
	Call Contract with the City of Flagstaff. Scope in				
	trees and street furniture. Rick was project ma				
	(1) TITLE AND LOCATION (City and State)	lagor for this multilaceted, coll	ipion project. Lat	(2) Year Co	
	Flagstaff Unified School District, Sinagua Hi	igh School: New Athletic	Professional Services		Construction (if applicable)
	Field, Track, Parking Lot Addition and Reco		2009		2009
	Field, Hack, Falking Lot Addition and Reco	iistiuction, Flagstan, AZ			2007
4)	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) ANI	O SPECIFIC ROLE	X <sub>Ch</sub>	neck if project po	erformed with current firm
7)	Provided surveying, planning and engineering s		i-use field and trac	ck and for a	parking lot addition and a
	parking lot reconstruction project as part of o				
	stormwater management for the fields and park				
	access and ADA access. Construction cost is \$		g lot layout and on	culation pla	ming melaung stadent
	(1) TITLE AND LOCATION (City and State)	1.5 111111011.		(2) Year Co	empleted
	Coconino Community College, Flagstaff, AZ	, -	Professional Services		onstruction (if applicable)
			2004		2004
<b>-</b> \	(a) PRIEE DECORIDATION (B.: 6	A CDECIFIC DOLF	<u> </u>	l.	
5)	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND		Ch Cch	eck if project pe	erformed with current firm
	As the project manager, Rick was responsible fo				
	administration of the new Flagstaff Campus. Wo				or the campus including
	the access road, pedestrian and bicycle access a	and intersection improvements	at Lone Tree Road		



# ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO: ADSPO15-00004729

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

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

a. NA	MF	b. ROLE IN THIS CONTRACT	(0011	ipiete one dection		: YEARS EXPERIENCE
Jeff Swan				1. TOTAL	2. WITH CURRENT FIRM	
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			42	8
	RM NAME AND LOCATION (City and State) Odson Engineering & Surveying, Flagst	aff Δ7				
VVO	odson Engineering & Surveying, Flagst	all, AL				
e. ED	UCATION (DEGREE AND SPECIALIZATION)					(STATE AND DISCIPLINE)
	BSE (Civil Engineering) California Po	lytechnic Univ.				neer (Civil), #10518
	MPA, Northern Arizona University			•		Surveyor, #17524
			Cer	tified Floodplai	n Manage	er through AFPM
	HER PROFESSIONAL QUALIFICATIONS (Publications, O		c.)			
	mber ASCE, Member Intertribal Transpo					
iviei	mber Arizona Intelligent Transportation	System				
		H. RELEVANT PROJ	ECTS			
	(1) TITLE AND LOCATION (City and State)				. ,	Completed
	City of Winslow Floodplain Mapping, W	/inslow AZ		Professional Services Underway	C	Construction (if applicable)
1)	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AN	ID SPECIFIC ROLE		X <sub>Ch</sub>	ack if project	performed with current firm
	Managed the floodplain study process		ns to	the existing flo	odnlain	mans.
	Approximately 900 properties are benef	•	,,,,	the emeting he	о артант	apo.
	(1) TITLE AND LOCATION (City and State)				(0) \/	O
	Ruby Wash Diversion Levee Recertification	ation Winslow A7		Professional Services		Completed Construction ( <i>if applicable</i> )
	Ruby Wash Diversion Levee Recentines	ation, willslow, AZ		Underway		
2)	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) Al	ND SPECIFIC ROLE		X <sub>Ch</sub>	ack if project	norformed with current firm
,	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Managed the levee recertification process in accordance with FEMA and Corps of Engineers requirements.					
	Levee was recertified in 2010. FEMA is					13 requirements.
	(1) TITLE AND LOCATION (City and State)	- III the process of fevi	Jing t	T		Completed
	Snowflake - Concho Road, Snowflake,	Δ7		Professional Services		Completed Construction (if applicable)
	onomiako onomo read, enemiako,	712		2011		2011
3)	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) Al	ND SPECIFIC ROLE		$oldsymbol{ol}oldsymbol{ol}oldsymbol{ol}oldsymbol{oldsymbol{ol}}}}}}}}}}}}}}}$	eck if project	performed with current firm
-,	Managed the design and construction of	of the widening and rek	ahilit			
	was \$411,000.	in the widening and ref	abiiit		Ji Toauwa	ay. Construction Cost
	•					
	(1) TITLE AND LOCATION (City and State)	oulor A7 A7		Professional Services	(2) Year (	Completed Construction (if applicable)
	Economic Development along SR 77, T	ayloi, AZ, AZ		2010		2010
	(2) PRIES DECORIDED (Pries	ND ODEOLEIO DOLE		<u></u>		<b>I</b>
4)						performed with current firm
	Managed the design of widening and signalization of a state highway for commercial development occurring along the highway. Project partially funded by a Department of Commerce grant. Construction contract was					
		nded by a Department	OI CO	mmerce grant.	Constru	ction contract was
	\$322,221.					
	(1) TITLE AND LOCATION (City and State)	District For all and		Professional Services		Completed Construction (if applicable)
	Arizona Department of Transportation	DISTRICT Engineer,		2003		Constitution (ii applicable)
	Holbrook, AZ			<u> </u>		
5)	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AN					performed with current firm
	Managed the operations, construction progra					
	supporting county, municipal and tribal trans construction of Querino Wash Bridge on I-40					
	Holbrook Winslow and Kaventa	, assisting in attaining and	u 00113	a acting Transpor	tatiOII LIII	nancement projects in



### ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO: ADSPO15-00004729

Aname   Survey Manager   Survey   Survey Manager   Survey   Survey Manager   Survey		RESUMES OF KEY PERSONNEL PROPOSEI		ipioto ono ocotion					
C.FRM NAME AND LOCATION (City and State)   Woodson Engineering & Surveying, Flagstaff, AZ					c. `				
Woodson Engineering & Surveying, Flagstaff, AZ  □. EDUCATION (DEGREE AND SPECIALIZATION) DeVry Institute of Technology Northern Arizona University, BS  □. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Arizona Professional Land Surveyor, #18215  □. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Arizona Professional Land Surveyors Associated Viveyors Associated Advisory Committee Member, Public Land Survey System Education Foundation, National Society of Professional Surveyors, Western Federation of Professional Surveyors.  □. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)  □. OTHER PROFESSIONAL QUALIFICATIONS (Publications) □. OTHER PROFESSIONAL PROFESSIONAL REQUIRED (Publications) □. OTHER PROFESSIONAL QUALIFICATION (Publications) □. OTHER PROFESSIONAL PROFESSIONAL REQUIRED (Publications) □. OTHER PROFESSIONAL PROFESS			Survey Manager						
DeVry Institute of Technology Northern Arizona University, BS  9. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Arizona Professional Land Surveyors Assoc, Arizona Professional Land Surveyors Education Foundation, Arizona Board of Technical Registration Enforcement Advisory Committee Member, Public Land Surveyors Education Foundation, National Society of Professional Surveyors, Western Federation of Professional Surveyors.  H. RELEVANT PROJECTS  (1) ITITLE AND LOCATION (City and State)  (1) ITITLE AND LOCATION (City and State)  (2) Year Completed  (1) ITITLE AND LOCATION (City and State)  (2) Teach (It project performed with current firm With tough traffic and weather conditions, we performed a topographical survey of Butler Avenue, gathering needed information allowing our engineering team to evaluate and design landscape medians improvements along Butler Avenue between Beaver Street and Lone Tree Road.  (2) TITILE AND LOCATION (City and State)  (2) TITILE AND LOCATION (City and State)  (3) BRIEF DESCRIPTION (Birle Goope, Size, Cost, etc.) AND SPECIFIC ROLE  (3) BRIEF DESCRIPTION (Birle Goope, Size, Cost, etc.) AND SPECIFIC ROLE  (4) TITLE AND LOCATION (City and State)  (5) TITLE AND LOCATION (City and State)  (6) State of Description (Birle Goope, Size, Cost, etc.) AND SPECIFIC ROLE  (7) TITLE AND LOCATION (City and State)  (8) BRIEF DESCRIPTION (Birle Goope, Size, Cost, etc.) AND SPECIFIC ROLE  (9) BRIEF DESCRIPTION (Birle Goope, Size, Cost, etc.) AND SPECIFIC ROLE  (10) TITLE AND LOCATION (City and State)  (11) TITLE AND LOCATION (City and State)  (12) Title AND LOCATION (City and State)  (13) BRIEF DESCRIPTION (Birle Goope, Size, Cost, etc.) AND SPECIFIC ROLE  (14) TITLE AND LOCATION (City and State)  (15) TITLE AND LOCATION (City and State)  (16) Brief DESCRIPTION (Birle Goope, Size, Cost, etc.) AND SPECIFIC ROLE  (17) TITLE AND LOCATION (City and State)  (18) BRIEF DESCRIPTION (Birle Goope, Size, Cost, etc.) AND SPECIFIC ROLE  (19) TITLE AND LOCATION (City and Sta									
Northern Arizona University, BS  9. OTHER PROFESSIONAL CUALIFICATIONS, (Publications, Organizations, Training, Assands, eds.) Arizona Professional Land Surveyors Assoc, Arizona Professional Land Surveyors Education Foundation, Arizona Board of Technical Registration Enforcement Advisory Committee Member, Public Land Survey System Education Foundation, National Society of Professional Surveyors, Western Federation of Professional Surveyors.  H. RELEVANT PROJECTS  (1) TITLE AND LOCATION (City and State)  H. RELEVANT PROJECTS  (2) Year Completed  (1) TITLE AND LOCATION (City and State)  (2) Technological Surveyors	e. EDU	·							
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Arizona Professional Land Surveyors Assoc, Arizona Professional Land Surveyors Education Foundation, Arizona Board of Technical Registration Enforcement Advisory Committee Member, Public Land Survey System Education Foundation, National Society of Professional Surveyors, Western Federation of Professional Surveyors.  H. RELEVANT PROJECTS  (1) TITLE AND LOCATION (City and State)  City of Flagstaff, Butler Avenue Medians, Flagstaff, AZ  (2) Year Completed  (3) BRIEF DESCRIPTION (Brief scope, size, cost. etc.) AND SPECIFIC ROLE  With tough traffic and weather conditions, we performed a topographical survey of Butler Avenue, gathering needed information allowing our engineering team to evaluate and design landscape medians improvements along Butler Avenue between Beaver Street and Lone Tree Road.  (1) TITLE AND LOCATION (City and State)  City of Flagstaff, South Beaver St & South Leroux St, Flagstaff, AZ  (2) Year Completed  (1) TITLE AND LOCATION (City and State)  City of Flagstaff, South Beaver and South Leroux in downtown Flagstaff was performed. The survey information guided our engineering team to complete construction and utility documents for the City of Flagstaff. We also performed construction staking on the project. Size 7 Blocks. Design Cost \$250,000, Construction Cost \$2.4 million  (1) TITLE AND LOCATION (City and State)  Cedar Ridge, Flagstaff AZ  (3) BRIEF DESCRIPTION (Brief scope, size, cost. etc.) AND SPECIFIC ROLE  A detailed topographical survey of South Beaver and South Leroux in downtown Flagstaff was performed. The survey information guided our engineering team to complete construction and utility documents for the City of Flagstaff. We also performed not purpose to the project of the project performed as purpose to the project of the project performed as purpose to the project of the project performed with current firm National States of the Presidio in the Pines project for control and typing his togeth		DeVry Institute of Technology	Ari	zona, Registere	d Land Su	ırveyor, #18215			
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Arizona Professional Land Surveyors Assoc, Arizona Professional Land Surveyors Education Foundation, Arizona Board of Technical Registration Enforcement Advisory Committee Member, Public Land Survey System Education Foundation, National Society of Professional Surveyors, Western Federation of Professional Surveyors.  H. RELEVANT PROJECTS  (1) TITLE AND LOCATION (City and State)  City of Flagstaff, Butler Avenue Medians, Flagstaff, AZ  (2) Year Completed  (3) BRIEF DESCRIPTION (Brief scope, size, cost. etc.) AND SPECIFIC ROLE  With tough traffic and weather conditions, we performed a topographical survey of Butler Avenue, gathering needed information allowing our engineering team to evaluate and design landscape medians improvements along Butler Avenue between Beaver Street and Lone Tree Road.  (1) TITLE AND LOCATION (City and State)  City of Flagstaff, South Beaver St & South Leroux St, Flagstaff, AZ  (2) Year Completed  (1) TITLE AND LOCATION (City and State)  City of Flagstaff, South Beaver and South Leroux in downtown Flagstaff was performed. The survey information guided our engineering team to complete construction and utility documents for the City of Flagstaff. We also performed construction staking on the project. Size 7 Blocks. Design Cost \$250,000, Construction Cost \$2.4 million  (1) TITLE AND LOCATION (City and State)  Cedar Ridge, Flagstaff AZ  (3) BRIEF DESCRIPTION (Brief scope, size, cost. etc.) AND SPECIFIC ROLE  A detailed topographical survey of South Beaver and South Leroux in downtown Flagstaff was performed. The survey information guided our engineering team to complete construction and utility documents for the City of Flagstaff. We also performed not purpose to the project of the project performed as purpose to the project of the project performed as purpose to the project of the project performed with current firm National States of the Presidio in the Pines project for control and typing his togeth		Northern Arizona University, BS				-			
H. RELEVANT PROJECTS  H. RELEVANT PROJECTS  (1) TITLE AND LOCATION (City and State)  (2) Year Completed  Professional Services  (2) Year Completed  Professional Services  (3) BRIEF DESCRIPTION (Birief scope, size, cost, etc.) AND SPECIFIC ROLE  (4) TITLE AND LOCATION (City and State)  (5) BRIEF DESCRIPTION (Birief scope, size, cost, etc.) AND SPECIFIC ROLE  (6) TITLE AND LOCATION (City and State)  (7) TITLE AND LOCATION (City and State)  (8) BRIEF DESCRIPTION (Birief scope, size, cost, etc.) AND SPECIFIC ROLE  (8) BRIEF DESCRIPTION (City and State)  (1) TITLE AND LOCATION (City and State)  (1) TITLE AND LOCATION (City and State)  (2) Year Completed  (3) BRIEF DESCRIPTION (Birief scope, size, cost, etc.) AND SPECIFIC ROLE  A detailed topographical survey of South Beaver and South Leroux in downtown Flaststaff was performed. The survey information guided our engineering team to complete construction and utility documents for the City of Flagstaff. We also performed construction staking on the project. Size 7 Blocks. Design Cost \$250,000, Construction Cost \$2.4 million  (1) TITLE AND LOCATION (City and State)  (2) Year Completed  (2) Year Completed  (2) Year Completed  (3) BRIEF DESCRIPTION (Biref scope, size, cost, etc.) AND SPECIFIC ROLE  (3) BRIEF DESCRIPTION (Biref scope, size, cost, etc.) AND SPECIFIC ROLE  (4) TITLE AND LOCATION (City and State)  (5) Year Completed  (6) Year Completed  (7) Year Completed  (8) Year Completed  (9) Year Completed  (9) Year Completed  (1) TITLE AND LOCATION (City and State)  (1) TITLE AND LOCATION (City and State)  (2) Year Completed  (3) BRIEF DESCRIPTION (Biref scope, size, cost, etc.) AND SPECIFIC ROLE  (3) BRIEF DESCRIPTION (Biref scope, size, cost, etc.) AND SPECIFIC ROLE  (4) Professional Services  (5) Year Completed  (6) Year Completed  (7) Year Completed  (8) Year Completed  (9) Year Completed  (1) Year Completed  (1) Year Completed  (1) Year Completed  (1) Year Completed  (2) Year Completed  (3) Professional Services  (4) Year Completed  (6) Year Completed  (7) Year Com	Arizo	g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)							
City of Flagstaff, Butler Avenue Medians, Flagstaff, AZ  Check if project performed with current firm With tough traffic and weather conditions, we performed a topographical survey of Butler Avenue, gathering needed information allowing our engineering team to evaluate and design landscape medians improvements along Butler Avenue between Beaver Street and Lone Tree Road.  (1) TITLE AND LOCATION (City and State)  City of Flagstaff, South Beaver St & South Leroux St, Flagstaff, AZ  (2) Year Completed  City of Flagstaff, South Beaver St & South Leroux St, Flagstaff, AZ  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  A detailed topographical survey of South Beaver and South Leroux in downtown Flagstaff. We also performed construction staking on the project. Size 7 Blocks. Design Cost \$250,000, Construction Cost \$2.4 million  (4) TITLE AND LOCATION (City and State)  Cedar Ridge, Flagstaff AZ  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Provide survey services consisting of construction staking of the access road. This work included set-up calculations based on the plans and plate3 of the Presidio in the Pines project for control and typing this together in the field with the Cedar Ridge subdivision. We provided one set of centerline offset stakes with cuts/fills to finish grade. We [performed a topographic survey of Detention Basins 2 and 6 including the outlet structures elevations for the purpose of verifying the as-constructed storage volumes of the basins. The civil construction is approximately \$4 million.  (1) TITLE AND LOCATION (City and State)  City of Flagstaff - Various, Flagstaff, AZ  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Numerous boundary, control and topographic surveys for various projects				Education Founda	tion, Nation	al Society of Professional			
City of Flagstaff, Butler Avenue Medians, Flagstaff, AZ    City of Flagstaff, Butler Avenue Medians, Flagstaff, AZ   City of Flagstaff, Butler Avenue Medians, Flagstaff, AZ   City of Flagstaff, AZ   City of Butler Avenue, gathering needed information allowing our engineering team to evaluate and design landscape medians improvements along Butler Avenue between Beaver Street and Lone Tree Road.			H. RELEVANT PROJECTS						
2012   2013   2013   2013   2013   2013   2013   2013   2013   2014   2015			- Flamstoff A.7	Professional Services					
With tough traffic and weather conditions, we performed a topographical survey of Butter Avenue, gathering needed information allowing our engineering team to evaluate and design landscape medians improvements along Butter Avenue between Beaver Street and Lone Tree Road.  (1) TITLE AND LOCATION (City and State)  (2) Year Completed  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  A detailed topographical survey of South Beaver and South Leroux in downtown Flagstaff was performed. The survey information guided our engineering team to complete construction and utility documents for the City of Flagstaff. We also performed construction staking on the project. Size 7 Blocks. Design Cost \$250,000, Construction Cost \$2.4 million  (1) TITLE AND LOCATION (City and State)  (2) Year Completed  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  (4) Year Completed (Foresting In project performed with current firm provides survey services consisting of construction staking of the access road. This work included set-up calculations based on the plans and plate3 of the Presidio in the Pines project for control and typing this together in the field with the Cedar Ridge subdivision. We provided one set of centerline offset stakes with cuts/fills to finish grade. We [performed a topographic survey of Detention Basins 2 and 6 including the outlet structures elevations for the purpose of verifying the as-constructed storage volumes of the basins. The civil construction is approximately \$4 million.  (4) TITLE AND LOCATION (City and State)  (5) Professional Services  (6) Year Completed  (7) Year Completed  (8) Professional Services  (9) Year Completed  (1) TITLE AND LOCATION (City and State)  (1) TITLE AND LOCATION (City and State)  (2) Year Completed  (3) Professional Ser		Sity of Flagstaff, Butler Avenue Medians	S, Flagstaff, AZ						
With tough traffic and weather conditions, we performed a topographical survey of Butter Avenue, gathering needed information allowing our engineering team to evaluate and design landscape medians improvements along Butter Avenue between Beaver Street and Lone Tree Road.  (1) TITLE AND LOCATION (City and State)  (2) Year Completed  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  A detailed topographical survey of South Beaver and South Leroux in downtown Flagstaff was performed. The survey information guided our engineering team to complete construction and utility documents for the City of Flagstaff. We also performed construction staking on the project. Size 7 Blocks. Design Cost \$250,000, Construction Cost \$2.4 million  (1) TITLE AND LOCATION (City and State)  (2) Year Completed  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  (4) Year Completed (Foresting In project performed with current firm provides survey services consisting of construction staking of the access road. This work included set-up calculations based on the plans and plate3 of the Presidio in the Pines project for control and typing this together in the field with the Cedar Ridge subdivision. We provided one set of centerline offset stakes with cuts/fills to finish grade. We [performed a topographic survey of Detention Basins 2 and 6 including the outlet structures elevations for the purpose of verifying the as-constructed storage volumes of the basins. The civil construction is approximately \$4 million.  (4) TITLE AND LOCATION (City and State)  (5) Professional Services  (6) Year Completed  (7) Year Completed  (8) Professional Services  (9) Year Completed  (1) TITLE AND LOCATION (City and State)  (1) TITLE AND LOCATION (City and State)  (2) Year Completed  (3) Professional Ser	1) (3	B) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND	SPECIFIC ROLE	⊠ <sub>Ch</sub>	eck if project p	erformed with current firm			
Street and Lone Tree Road  (1) TITLE AND LOCATION (City and State)  City of Flagstaff, South Beaver St & South Leroux St, Flagstaff, AZ  (2) Year Completed  City of Flagstaff, South Beaver St & South Leroux St, Flagstaff, AZ  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  A detailed topographical survey of South Beaver and South Leroux in downtown Flagstaff was performed with current firm quided our engineering team to complete construction and utility documents for the City of Flagstaff. We also performed construction staking on the project. Size 7 Blocks. Design Cost \$250,000, Construction Cost \$2.4 million  (1) TITLE AND LOCATION (City and State)  Cedar Ridge, Flagstaff AZ  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  (3) Provide survey services consisting of construction staking of the access road. This work included set-up calculations based on the plans and plate3 of the Presidio in the Pines project for control and typing this together in the field with the Cedar Ridge subdivision. We provided one set of centerline offset stakes with cuts/fills to finish grade. We [performed a topographic survey of Detention Basins 2 and 6 including the outlet structures elevations for the purpose of verifying the as-constructed storage volumes of the basins. The civil construction is approximately \$4 million.  (1) TITLE AND LOCATION (City and State)  City of Flagstaff - Various, Flagstaff, AZ  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Numerous boundary, control and topographic surveys for various projects including Pulliam Airport Water Storage Tank, Flagstaff Urban Trail System, Reclaimed Waterline, Rio Homes, Sunnyside Improvements Phase II, and LiDAR mapping elevation project evaluation.  (1) TITLE AND LOCATION (City and State)  HDR, Twin Arrows, AZ  Construction (if applicable)  (2) Year				vey of Butler Ave	nue, gathei	ring needed information			
(1) TITLE AND LOCATION (City and State)  (2) Year Completed Construction (if applicable) (2) Salter DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE A detailed topographical survey of South Beaver and South Leroux in downtown Flagstaff was performed. The survey information guided our engineering team to complete construction and utility documents for the City of Flagstaff. We also performed construction staking on the project. Size 7 Blocks. Design Cost \$250,000, Construction Cost \$2.4 million  (1) TITLE AND LOCATION (City and State) Cedar Ridge, Flagstaff AZ  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE (4) Provide survey services consisting of construction staking of the access road. This work included set-up calculations based on the plans and plate3 of the Presidio in the Pines project for control and typing this together in the field with the Cedar Ridge subdivision. We provided one set of centerline offset stakes with cuts/fills to finish grade. We [performed a topographic survey of Detention Basins 2 and 6 including the outlet structures elevations for the purpose of verifying the as-constructed storage volumes of the basins. The civil construction is approximately \$4 million.  (1) TITLE AND LOCATION (City and State) City of Flagstaff - Various, Flagstaff, AZ  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Numerous boundary, control and topographic surveys for various projects including Pulliam Airport Water Storage Tank, Flagstaff Urban Trail System, Reclaimed Waterline, Rio Homes, Sunnyside Improvements Phase II, and LiDAR mapping elevation project evaluation.  (1) TITLE AND LOCATION (City and State) HDR, Twin Arrows, AZ	a	llowing our engineering team to evaluate and	l design landscape medians in	provements alon	g Butler Av	enue between Beaver			
City of Flagstaff, South Beaver St & South Leroux St, Flagstaff, AZ 2012 2013  2) (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	S	Street and Lone Tree Road							
2)  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  A detailed topographical survey of South Beaver and South Leroux in downtown Flagstaff was performed. The survey information guided our engineering team to complete construction and utility documents for the City of Flagstaff. We also performed construction staking on the project. Size 7 Blocks. Design Cost \$250,000, Construction Cost \$2.4 million  (1) TITLE AND LOCATION (City and State)  Cedar Ridge, Flagstaff AZ  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  (3) Provide survey services consisting of construction staking of the access road. This work included set-up calculations based on the plans and plate3 of the Presidio in the Pines project for control and typing this together in the filed with the Cedar Ridge subdivision. We provided one set of centerline offset stakes with cuts/fills to finish grade. We [performed a topographic survey of Detention Basins 2 and 6 including the outlet structures elevations for the purpose of verifying the as-constructed storage volumes of the basins. The civil construction is approximately \$4 million.  (1) TITLE AND LOCATION (City and State)  City of Flagstaff - Various, Flagstaff, AZ  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Numerous boundary, control and topographic surveys for various projects including Pulliam Airport Water Storage Tank, Flagstaff Urban Trail System, Reclaimed Waterline, Rio Homes, Sunnyside Improvements Phase II, and LiDAR mapping elevation project evaluation.  (1) TITLE AND LOCATION (City and State)  HDR, Twin Arrows, AZ  (2) Year Completed  Professional Services  Construction (if applicable)  Construction (if applicable)  Construction (if applicable)									
A detailed topographical survey of South Beaver and South Leroux in downtown Flagstaff was performed. The survey information guided our engineering team to complete construction and utility documents for the City of Flagstaff. We also performed construction staking on the project. Size 7 Blocks. Design Cost \$250,000, Construction Cost \$2.4 million  (1) TITLE AND LOCATION (City and State)  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  (4) Provide survey services consisting of construction staking of the access road. This work included set-up calculations based on the plans and plate3 of the Presidio in the Pines project for control and typing this together in the field with the Cedar Ridge subdivision. We provided one set of centerline offset stakes with cuts/fills to finish grade. We [performed a topographic survey of Detention Basins 2 and 6 including the outlet structures elevations for the purpose of verifying the as-constructed storage volumes of the basins. The civil construction is approximately \$4 million.  (1) TITLE AND LOCATION (City and State)  (2) Year Completed  Construction (If applicable)  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Numerous boundary, control and topographic surveys for various projects including Pulliam Airport Water Storage Tank, Flagstaff Urban Trail System, Reclaimed Waterline, Rio Homes, Sunnyside Improvements Phase II, and LiDAR mapping elevation project evaluation.  (1) TITLE AND LOCATION (City and State)  HDR, Twin Arrows, AZ  (2) Year Completed  Professional Services  Construction (If applicable)  Construction (If applicable)	(	City of Flagstaff, South Beaver St & Sou	ıth Leroux St, Flagstaff, AZ						
A detailed topographical survey of South Beaver and South Leroux in downtown Flagstaff was performed. The survey information guided our engineering team to complete construction and utility documents for the City of Flagstaff. We also performed construction staking on the project. Size 7 Blocks. Design Cost \$250,000, Construction Cost \$2.4 million  (1) TITLE AND LOCATION (City and State)  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  (4) Provide survey services consisting of construction staking of the access road. This work included set-up calculations based on the plans and plate3 of the Presidio in the Pines project for control and typing this together in the field with the Cedar Ridge subdivision. We provided one set of centerline offset stakes with cuts/fills to finish grade. We [performed a topographic survey of Detention Basins 2 and 6 including the outlet structures elevations for the purpose of verifying the as-constructed storage volumes of the basins. The civil construction is approximately \$4 million.  (1) TITLE AND LOCATION (City and State)  (2) Year Completed  Construction (If applicable)  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Numerous boundary, control and topographic surveys for various projects including Pulliam Airport Water Storage Tank, Flagstaff Urban Trail System, Reclaimed Waterline, Rio Homes, Sunnyside Improvements Phase II, and LiDAR mapping elevation project evaluation.  (1) TITLE AND LOCATION (City and State)  HDR, Twin Arrows, AZ  (2) Year Completed  Professional Services  Construction (If applicable)  Construction (If applicable)			_	2012	2	U13			
guided our engineering team to complete construction and utility documents for the City of Flagstaff. We also performed construction staking on the project. Size 7 Blocks. Design Cost \$250,000, Construction Cost \$2.4 million  (1) TITLE AND LOCATION (City and State)  Cedar Ridge, Flagstaff AZ  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  (3) Provide survey services consisting of construction staking of the access road. This work included set-up calculations based on the plans and plate3 of the Presidio in the Pines project for control and typing this together in the field with the Cedar Ridge subdivision. We provided one set of centerline offset stakes with cuts/fills to finish grade. We [performed a topographic survey of Detention Basins 2 and 6 including the outlet structures elevations for the purpose of verifying the as-constructed storage volumes of the basins. The civil construction is approximately \$4 million.  (1) TITLE AND LOCATION (City and State)  City of Flagstaff - Various, Flagstaff, AZ  (2) Year Completed  Professional Services  Construction (if applicable)  2011  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Numerous boundary, control and topographic surveys for various projects including Pulliam Airport Water Storage Tank, Flagstaff Urban Trail System, Reclaimed Waterline, Rio Homes, Sunnyside Improvements Phase II, and LiDAR mapping elevation project evaluation.  (1) TITLE AND LOCATION (City and State)  HDR, Twin Arrows, AZ  Construction (if applicable)	2) (	3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) ANI	D SPECIFIC ROLE	2012					
construction staking on the project. Size 7 Blocks. Design Cost \$250,000, Construction Cost \$2.4 million  (1) TITLE AND LOCATION (City and State)  Cedar Ridge, Flagstaff AZ  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Provide survey services consisting of construction staking of the access road. This work included set-up calculations based on the plans and plate3 of the Presidio in the Pines project for control and typing this together in the field with the Cedar Ridge subdivision. We provided one set of centerline offset stakes with cuts/fills to finish grade. We [performed a topographic survey of Detention Basins 2 and 6 including the outlet structures elevations for the purpose of verifying the as-constructed storage volumes of the basins. The civil construction is approximately \$4 million.  (1) TITLE AND LOCATION (City and State)  City of Flagstaff - Various, Flagstaff, AZ  (2) Year Completed  Professional Services  Construction (if applicable)  (2) Year Completed  Professional Services  Construction (if applicable)  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Numerous boundary, control and topographic surveys for various projects including Pulliam Airport Water Storage Tank, Flagstaff Urban Trail System, Reclaimed Waterline, Rio Homes, Sunnyside Improvements Phase II, and LiDAR mapping elevation project evaluation.  (1) TITLE AND LOCATION (City and State)  HDR, Twin Arrows, AZ  (2) Year Completed  Professional Services  Construction (if applicable)  Construction (if applicable)				<u>2012</u> ⊠ <sub>Ch</sub>	eck if project p	erformed with current firm			
(1) TITLE AND LOCATION (City and State)  Cedar Ridge, Flagstaff AZ  (2) Year Completed  Professional Services 2011  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Provide survey services consisting of construction staking of the access road. This work included set-up calculations based on the plans and plate3 of the Presidio in the Pines project for control and typing this together in the field with the Cedar Ridge subdivision. We provided one set of centerline offset stakes with cuts/fills to finish grade. We [performed a topographic survey of Detention Basins 2 and 6 including the outlet structures elevations for the purpose of verifying the as-constructed storage volumes of the basins. The civil construction is approximately \$4 million.  (1) TITLE AND LOCATION (City and State)  City of Flagstaff - Various, Flagstaff, AZ  (2) Year Completed  Construction (if applicable)  City of Flagstaff - Various, Flagstaff, AZ  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Numerous boundary, control and topographic surveys for various projects including Pulliam Airport Water Storage Tank, Flagstaff Urban Trail System, Reclaimed Waterline, Rio Homes, Sunnyside Improvements Phase II, and LiDAR mapping elevation project evaluation.  (4) TITLE AND LOCATION (City and State)  HDR, Twin Arrows, AZ  (2) Year Completed  Professional Services  Construction (if applicable)  Construction (if applicable)	<sup>2</sup> )	A detailed topographical survey of South Beav	ver and South Leroux in down	<u>2012</u> ⊠ <sub>Ch</sub> town Flagstaff was	eck if project p	erformed with current firm  d. The survey information			
Cedar Ridge, Flagstaff AZ    South Construction (If applicable)	2) A	A detailed topographical survey of South Beau Juided our engineering team to complete c	ver and South Leroux in down construction and utility docur	2012 ⊠ <sub>Ch</sub> town Flagstaff was nents for the Cit	eck if project p s performed y of Flags	erformed with current firm  d. The survey information  taff. We also performed			
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Provide survey services consisting of construction staking of the access road. This work included set-up calculations based on the plans and plate3 of the Presidio in the Pines project for control and typing this together in the field with the Cedar Ridge subdivision. We provided one set of centerline offset stakes with cuts/fills to finish grade. We [performed a topographic survey of Detention Basins 2 and 6 including the outlet structures elevations for the purpose of verifying the as-constructed storage volumes of the basins. The civil construction is approximately \$4 million.  (1) TITLE AND LOCATION (City and State)  City of Flagstaff - Various, Flagstaff, AZ  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Numerous boundary, control and topographic surveys for various projects including Pulliam Airport Water Storage Tank, Flagstaff Urban Trail System, Reclaimed Waterline, Rio Homes, Sunnyside Improvements Phase II, and LiDAR mapping elevation project evaluation.  (1) TITLE AND LOCATION (City and State)  HDR, Twin Arrows, AZ  (2) Year Completed  Professional Services  Construction (if applicable)	2) A 9 C	A detailed topographical survey of South Beav juided our engineering team to complete c construction staking on the project. Size 7 Blo	ver and South Leroux in down construction and utility docur	2012 ⊠ <sub>Ch</sub> town Flagstaff was nents for the Cit	eck if project p s performed y of Flags \$2.4 millior	erformed with current firm  d. The survey information taff. We also performed			
3) Provide survey services consisting of construction staking of the access road. This work included set-up calculations based on the plans and plate3 of the Presidio in the Pines project for control and typing this together in the field with the Cedar Ridge subdivision. We provided one set of centerline offset stakes with cuts/fills to finish grade. We [performed a topographic survey of Detention Basins 2 and 6 including the outlet structures elevations for the purpose of verifying the as-constructed storage volumes of the basins. The civil construction is approximately \$4 million.  (1) TITLE AND LOCATION (City and State)  City of Flagstaff - Various, Flagstaff, AZ  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Numerous boundary, control and topographic surveys for various projects including Pulliam Airport Water Storage Tank, Flagstaff Urban Trail System, Reclaimed Waterline, Rio Homes, Sunnyside Improvements Phase II, and LiDAR mapping elevation project evaluation.  (1) TITLE AND LOCATION (City and State)  HDR, Twin Arrows, AZ  (2) Year Completed  Professional Services  Construction (if applicable)  Construction (if applicable)	2) A 9 0	A detailed topographical survey of South Beau juided our engineering team to complete of construction staking on the project. Size 7 Blo 1) TITLE AND LOCATION (City and State)	ver and South Leroux in down construction and utility docur	town Flagstaff was ments for the Cit construction Cost	eck if project ps performed y of Flags \$2.4 millior	erformed with current firm  d. The survey information taff. We also performed n ompleted			
3) Provide survey services consisting of construction staking of the access road. This work included set-up calculations based on the plans and plate3 of the Presidio in the Pines project for control and typing this together in the field with the Cedar Ridge subdivision. We provided one set of centerline offset stakes with cuts/fills to finish grade. We [performed a topographic survey of Detention Basins 2 and 6 including the outlet structures elevations for the purpose of verifying the as-constructed storage volumes of the basins. The civil construction is approximately \$4 million.  (1) TITLE AND LOCATION (City and State)  City of Flagstaff - Various, Flagstaff, AZ  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Numerous boundary, control and topographic surveys for various projects including Pulliam Airport Water Storage Tank, Flagstaff Urban Trail System, Reclaimed Waterline, Rio Homes, Sunnyside Improvements Phase II, and LiDAR mapping elevation project evaluation.  (1) TITLE AND LOCATION (City and State)  HDR, Twin Arrows, AZ  (2) Year Completed  Professional Services  Construction (if applicable)  Construction (if applicable)	2) A 9 0	A detailed topographical survey of South Beau juided our engineering team to complete of construction staking on the project. Size 7 Blo 1) TITLE AND LOCATION (City and State)	ver and South Leroux in down construction and utility docur	town Flagstaff was nents for the Cit construction Cost	eck if project ps performed y of Flags \$2.4 millior	erformed with current firm  d. The survey information taff. We also performed n ompleted			
the plans and plate3 of the Presidio in the Pines project for control and typing this together in the field with the Cedar Ridge subdivision. We provided one set of centerline offset stakes with cuts/fills to finish grade. We [performed a topographic survey of Detention Basins 2 and 6 including the outlet structures elevations for the purpose of verifying the as-constructed storage volumes of the basins. The civil construction is approximately \$4 million.  (1) TITLE AND LOCATION (City and State)  City of Flagstaff - Various, Flagstaff, AZ  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Numerous boundary, control and topographic surveys for various projects including Pulliam Airport Water Storage Tank, Flagstaff Urban Trail System, Reclaimed Waterline, Rio Homes, Sunnyside Improvements Phase II, and LiDAR mapping elevation project evaluation.  (1) TITLE AND LOCATION (City and State)  HDR, Twin Arrows, AZ  (2) Year Completed  Professional Services  Construction (if applicable)  Construction (if applicable)  Construction (if applicable)	9 0	A detailed topographical survey of South Beau guided our engineering team to complete of construction staking on the project. Size 7 Blo 1) TITLE AND LOCATION (City and State) Cedar Ridge, Flagstaff AZ	ver and South Leroux in down construction and utility docur ocks. Design Cost \$250,000, C	cown Flagstaff was nents for the Cit construction Cost Professional Services 2011	eck if project p s performed y of Flags \$2.4 million (2) Year Co	erformed with current firm d. The survey information taff. We also performed n completed Construction (if applicable)			
subdivision. We provided one set of centerline offset stakes with cuts/fills to finish grade. We [performed a topographic survey of Detention Basins 2 and 6 including the outlet structures elevations for the purpose of verifying the as-constructed storage volumes of the basins. The civil construction is approximately \$4 million.  (1) TITLE AND LOCATION (City and State)  City of Flagstaff - Various, Flagstaff, AZ  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Numerous boundary, control and topographic surveys for various projects including Pulliam Airport Water Storage Tank, Flagstaff Urban Trail System, Reclaimed Waterline, Rio Homes, Sunnyside Improvements Phase II, and LiDAR mapping elevation project evaluation.  (1) TITLE AND LOCATION (City and State)  HDR, Twin Arrows, AZ  (2) Year Completed  Professional Services  Construction (if applicable)  Construction (if applicable)	g c	A detailed topographical survey of South Beau guided our engineering team to complete of construction staking on the project. Size 7 Blo 1) TITLE AND LOCATION (City and State) Cedar Ridge, Flagstaff AZ	ver and South Leroux in downtonstruction and utility docurocks. Design Cost \$250,000, Cost \$250,000 of the specific role	town Flagstaff was ments for the Cit construction Cost  Professional Services 2011	eck if project p s performed y of Flags \$2.4 million (2) Year Co	erformed with current firm d. The survey information taff. We also performed ompleted Construction (if applicable) erformed with current firm			
of Detention Basins 2 and 6 including the outlet structures elevations for the purpose of verifying the as-constructed storage volumes of the basins. The civil construction is approximately \$4 million.  (1) TITLE AND LOCATION (City and State)  City of Flagstaff - Various, Flagstaff, AZ  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Numerous boundary, control and topographic surveys for various projects including Pulliam Airport Water Storage Tank, Flagstaff Urban Trail System, Reclaimed Waterline, Rio Homes, Sunnyside Improvements Phase II, and LiDAR mapping elevation project evaluation.  (1) TITLE AND LOCATION (City and State)  HDR, Twin Arrows, AZ  (2) Year Completed  Professional Services  Construction (if applicable)  Construction (if applicable)	3) F	A detailed topographical survey of South Beau puided our engineering team to complete construction staking on the project. Size 7 Bloom (City and State)  The construction (City and State)  Cedar Ridge, Flagstaff AZ  Brovide survey services consisting of construction (Brief scope, size, cost, etc.) AND	ver and South Leroux in downtonstruction and utility docurocks. Design Cost \$250,000, Costs Specific Role ction staking of the access roa	town Flagstaff was ments for the Cit construction Cost  Professional Services 2011  Chad. This work incl	eck if project p s performed y of Flags \$2.4 million (2) Year Co	erformed with current firm d. The survey information taff. We also performed completed Construction (if applicable) erformed with current firm p calculations based on			
volumes of the basins. The civil construction is approximately \$4 million.  (1) TITLE AND LOCATION (City and State) City of Flagstaff - Various, Flagstaff, AZ  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Numerous boundary, control and topographic surveys for various projects including Pulliam Airport Water Storage Tank, Flagstaff Urban Trail System, Reclaimed Waterline, Rio Homes, Sunnyside Improvements Phase II, and LiDAR mapping elevation project evaluation.  (1) TITLE AND LOCATION (City and State) HDR, Twin Arrows, AZ  (2) Year Completed Professional Services Construction (if applicable)	3) F	A detailed topographical survey of South Beau Juided our engineering team to complete construction staking on the project. Size 7 Bloom (City and State)  Cedar Ridge, Flagstaff AZ  3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND Provide survey services consisting of construction he plans and plate3 of the Presidio in the Pi	ver and South Leroux in downstruction and utility docured by the second code. Design Cost \$250,000, Code of the second code of the access rosines project for control and types.	cown Flagstaff was ments for the Cit construction Cost  Professional Services 2011  Add. This work inclining this togethe	eck if project p s performer y of Flags \$2.4 millior (2) Year Co	erformed with current firm d. The survey information taff. We also performed n completed Construction (if applicable) erformed with current firm p calculations based on d with the Cedar Ridge			
(1) TITLE AND LOCATION (City and State) City of Flagstaff - Various, Flagstaff, AZ  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Numerous boundary, control and topographic surveys for various projects including Pulliam Airport Water Storage Tank, Flagstaff Urban Trail System, Reclaimed Waterline, Rio Homes, Sunnyside Improvements Phase II, and LiDAR mapping elevation project evaluation.  (1) TITLE AND LOCATION (City and State) HDR, Twin Arrows, AZ  (2) Year Completed Professional Services (2) Year Completed (2) Year Completed (3) Year Completed (4) Year Completed (5) Year Completed (6) Year Completed (7) Year Completed (8) Year Completed (9) Year Completed	3) F	A detailed topographical survey of South Beau puided our engineering team to complete construction staking on the project. Size 7 Bloom (City and State)  TITLE AND LOCATION (City and State)  Cedar Ridge, Flagstaff AZ  3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND Provide survey services consisting of construing the plans and plate3 of the Presidio in the Pipubdivision. We provided one set of centerling	ver and South Leroux in downstronstruction and utility docured by the second state of the second staking of the access rosines project for control and type offset stakes with cuts/fills to	cown Flagstaff was nents for the Cit construction Cost  Professional Services 2011  Add. This work including this togethe of finish grade. W	eck if project p s performer y of Flags \$2.4 millior (2) Year Co eck if project p luded set-u r in the fiel	erformed with current firm d. The survey information taff. We also performed ompleted Construction (if applicable) erformed with current firm p calculations based on d with the Cedar Ridge ed a topographic survey			
City of Flagstaff - Various, Flagstaff, AZ  Professional Services 2011  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Numerous boundary, control and topographic surveys for various projects including Pulliam Airport Water Storage Tank, Flagstaff Urban Trail System, Reclaimed Waterline, Rio Homes, Sunnyside Improvements Phase II, and LiDAR mapping elevation project evaluation.  (1) TITLE AND LOCATION (City and State) HDR, Twin Arrows, AZ  Professional Services (2) Year Completed Professional Services 2011	3) F	A detailed topographical survey of South Beau puided our engineering team to complete construction staking on the project. Size 7 Bloom (City and State)  TO TITLE AND LOCATION (City and State)  Cedar Ridge, Flagstaff AZ  3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND Provide survey services consisting of construing plans and plate3 of the Presidio in the Pipubdivision. We provided one set of centerling of Detention Basins 2 and 6 including the output provided of the presidion of the provided one set of centerling of Detention Basins 2 and 6 including the output provided one set of centerling of Detention Basins 2 and 6 including the output provided one set of centerling of Detention Basins 2 and 6 including the output provided one set of centerling Detention Basins 2 and 6 including the output provided one set of centerling of Detention Basins 2 and 6 including the output provided one set of centerling of Detention Basins 2 and 6 including the output provided one set of centerling of Detention Basins 2 and 6 including the output provided one set of Centerling of Detention Basins 2 and 6 including the output provided one set of Centerling of Detention Basins 2 and 6 including the output provided one set of Centerling of Detention Basins 2 and 6 including the Output Provided One Set of Centerling of Detention Basins 2 and 6 including the Output Provided One Set of Centerling of Detention Basins 2 and 6 including the Output Provided One Set of Centerling Output Provided One Set of C	ver and South Leroux in downstruction and utility docured by the construction and utility docured by the construction of the access roadines project for control and type offset stakes with cuts/fills to the structures elevations for the constructures.	cown Flagstaff was nents for the Cit construction Cost  Professional Services 2011  Add. This work including this togethe of finish grade. W	eck if project p s performer y of Flags \$2.4 millior (2) Year Co eck if project p luded set-u r in the fiel	erformed with current firm d. The survey information taff. We also performed ompleted Construction (if applicable) erformed with current firm p calculations based on d with the Cedar Ridge ed a topographic survey			
4) (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Numerous boundary, control and topographic surveys for various projects including Pulliam Airport Water Storage Tank, Flagstaff Urban Trail System, Reclaimed Waterline, Rio Homes, Sunnyside Improvements Phase II, and LiDAR mapping elevation project evaluation.  (1) TITLE AND LOCATION (City and State)  HDR, Twin Arrows, AZ  Professional Services 2011  Check if project performed with current firm  Check if project performed with current firm  (2) Year Completed  Professional Services 2011	3) Friday	A detailed topographical survey of South Beau puided our engineering team to complete construction staking on the project. Size 7 Bloom (City and State)  TO TITLE AND LOCATION (City and State)  Cedar Ridge, Flagstaff AZ  Brief Description (Brief scope, size, cost, etc.) AND Provide survey services consisting of construing the plans and plate3 of the Presidio in the Pipubdivision. We provided one set of centerling Detention Basins 2 and 6 including the our olumes of the basins. The civil construction	ver and South Leroux in downstruction and utility docured by the construction and utility docured by the construction of the access roadines project for control and type offset stakes with cuts/fills to the structures elevations for the constructures.	cown Flagstaff was nents for the Cit construction Cost  Professional Services 2011  Add. This work including this togethe of finish grade. W	eck if project p s performed y of Flags \$2.4 million (2) Year Co k eck if project p luded set-u r in the fiel e [performed	erformed with current firm d. The survey information taff. We also performed completed Construction (if applicable)  erformed with current firm p calculations based on d with the Cedar Ridge ed a topographic survey as-constructed storage			
Numerous boundary, control and topographic surveys for various projects including Pulliam Airport Water Storage Tank, Flagstaff Urban Trail System, Reclaimed Waterline, Rio Homes, Sunnyside Improvements Phase II, and LiDAR mapping elevation project evaluation.  (1) TITLE AND LOCATION (City and State) HDR, Twin Arrows, AZ  (2) Year Completed Professional Services 2011	3) F	A detailed topographical survey of South Beau puided our engineering team to complete construction staking on the project. Size 7 Blot (1) TITLE AND LOCATION (City and State)  Cedar Ridge, Flagstaff AZ  3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND Provide survey services consisting of construction by the plans and plate3 of the Presidio in the Pipubdivision. We provided one set of centerling of Detention Basins 2 and 6 including the out olumes of the basins. The civil construction (Dity and State)	ver and South Leroux in downstruction and utility docured by the construction and utility docured by the construction of the access roadines project for control and type offset stakes with cuts/fills to the structures elevations for the constructures.	cown Flagstaff was ments for the Cit construction Cost  Professional Services 2011   Ad. This work including this together of finish grade. We the purpose of verices was a construction of the purpose of verices and the purpose of verices are constructed in the purpose of verices ar	eck if project p s performed y of Flags \$2.4 million (2) Year Co k eck if project p luded set-u r in the fiel e [performed	erformed with current firm d. The survey information taff. We also performed completed Construction (if applicable)  erformed with current firm p calculations based on d with the Cedar Ridge ed a topographic survey as-constructed storage			
Numerous boundary, control and topographic surveys for various projects including Pulliam Airport Water Storage Tank, Flagstaff Urban Trail System, Reclaimed Waterline, Rio Homes, Sunnyside Improvements Phase II, and LiDAR mapping elevation project evaluation.  (1) TITLE AND LOCATION (City and State) HDR, Twin Arrows, AZ  (2) Year Completed Professional Services 2011	3) F tt	A detailed topographical survey of South Beau puided our engineering team to complete construction staking on the project. Size 7 Blot (1) TITLE AND LOCATION (City and State)  Cedar Ridge, Flagstaff AZ  3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND Provide survey services consisting of construction by the plans and plate3 of the Presidio in the Pipubdivision. We provided one set of centerling of Detention Basins 2 and 6 including the out olumes of the basins. The civil construction (Dity and State)	ver and South Leroux in downstruction and utility docured by the construction and utility docured by the construction of the access roadines project for control and type offset stakes with cuts/fills to the structures elevations for the constructures.	cown Flagstaff was ments for the Cit construction Cost  Professional Services 2011  Ad. This work including this togethe of finish grade. We have professional Services	eck if project p s performed y of Flags \$2.4 million (2) Year Co k eck if project p luded set-u r in the fiel e [performed	erformed with current firm d. The survey information taff. We also performed completed Construction (if applicable)  erformed with current firm p calculations based on d with the Cedar Ridge ed a topographic survey as-constructed storage			
Flagstaff Urban Trail System, Reclaimed Waterline, Rio Homes, Sunnyside Improvements Phase II, and LiDAR mapping elevation project evaluation.  (1) TITLE AND LOCATION (City and State) HDR, Twin Arrows, AZ  (2) Year Completed Professional Services 2011	3) Fitter (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	A detailed topographical survey of South Beau Juided our engineering team to complete construction staking on the project. Size 7 Bloomstruction staking on the project. Size 7 Bloomstruction staking on the project. Size 7 Bloomstruction (City and State)  Cedar Ridge, Flagstaff AZ  3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND Provide survey services consisting of construction by the plans and plate3 of the Presidio in the Pieubdivision. We provided one set of centerling of Detention Basins 2 and 6 including the output plans of the basins. The civil construction (City and State)  City of Flagstaff - Various, Flagstaff, AZ	ver and South Leroux in downstruction and utility docured by the construction and utility docured by the construction of the access roadines project for control and type offset stakes with cuts/fills to the structures elevations for its approximately \$4 million.	cown Flagstaff was ments for the Cit construction Cost Professional Services 2011  Add. This work including this togethe of finish grade. We the purpose of very professional Services 2011	eck if project ps performed y of Flags \$2.4 million (2) Year Co	erformed with current firm d. The survey information taff. We also performed construction (if applicable)  erformed with current firm p calculations based on d with the Cedar Ridge ed a topographic survey as-constructed storage			
project evaluation.  (1) TITLE AND LOCATION (City and State) HDR, Twin Arrows, AZ  Professional Services 2011  (2) Year Completed Professional Services 2011	3) F tt	A detailed topographical survey of South Beau Juided our engineering team to complete construction staking on the project. Size 7 Bloomstruction staking on the project. Size 7 Bloomstruction staking on the project. Size 7 Bloomstruction (City and State)  Cedar Ridge, Flagstaff AZ  3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND Provide survey services consisting of construction by Detention Basins 2 and 6 including the output of Detention Basins 2 and 6 including the output of the basins. The civil construction  1) TITLE AND LOCATION (City and State)  City of Flagstaff - Various, Flagstaff, AZ  3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND	ver and South Leroux in downstruction and utility docured by the construction and utility docured by the construction of the access roadines project for control and type offset stakes with cuts/fills to the structures elevations for its approximately \$4 million.	cown Flagstaff was nents for the Cit construction Cost Professional Services 2011    X	eck if project ps performed y of Flags \$2.4 million (2) Year Color keck if project pluded set-ur in the field e [performed perifying the (2) Year Color keck if project pluded set-ur in the field e [performed perifying the (2) Year Color keck if project project pluded set-ur in the field e [performed perifying the keck if project project pluded set-ur in the field e [performed perifying the keck if project project pluded set-ur in the field experience in the	erformed with current firm d. The survey information taff. We also performed construction (if applicable)  erformed with current firm p calculations based on d with the Cedar Ridge ed a topographic survey as-constructed storage  completed Construction (if applicable)  performed with current firm			
(1) TITLE AND LOCATION (City and State) HDR, Twin Arrows, AZ  (2) Year Completed Professional Services 2011	3) Fit ss	A detailed topographical survey of South Beau Juided our engineering team to complete of construction staking on the project. Size 7 Bloomstruction (City and State)  Cedar Ridge, Flagstaff AZ  3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) ANI Provide survey services consisting of construction and plate3 of the Presidio in the Pipublivision. We provided one set of centerling of Detention Basins 2 and 6 including the our polumes of the basins. The civil construction (City and State)  City of Flagstaff - Various, Flagstaff, AZ  3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) ANI Numerous boundary, control and topographic	ver and South Leroux in downstruction and utility docured by the cooks. Design Cost \$250,000, Cooks. De	cown Flagstaff was nents for the Cit construction Cost Professional Services 2011    X Ch	eck if project p s performer y of Flags \$2.4 million (2) Year Co eck if project p luded set-u r in the fiel e [performer erifying the (2) Year Co heck if project Airport Wa	erformed with current firm d. The survey information taff. We also performed construction (if applicable)  erformed with current firm p calculations based on d with the Cedar Ridge ed a topographic survey as-constructed storage  completed Construction (if applicable)  performed with current firm ter Storage Tank,			
HDR, Twin Arrows, AZ  Professional Services 2011  Construction (if applicable)	3) Fit s s d w	A detailed topographical survey of South Beau Juided our engineering team to complete of construction staking on the project. Size 7 Blot (1) TITLE AND LOCATION (City and State)  Cedar Ridge, Flagstaff AZ  3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND Provide survey services consisting of construction by Provide survey services consisting of construction Detention Basins 2 and 6 including the our columns of the basins. The civil construction (City and State)  City of Flagstaff - Various, Flagstaff, AZ  3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND Numerous boundary, control and topographic Flagstaff Urban Trail System, Reclaimed Water	ver and South Leroux in downstruction and utility docured by the cooks. Design Cost \$250,000, Cooks. De	cown Flagstaff was nents for the Cit construction Cost Professional Services 2011    X Ch	eck if project p s performer y of Flags \$2.4 million (2) Year Co eck if project p luded set-u r in the fiel e [performer erifying the (2) Year Co heck if project Airport Wa	erformed with current firm d. The survey information taff. We also performed construction (if applicable)  erformed with current firm p calculations based on d with the Cedar Ridge ed a topographic survey as-constructed storage  completed Construction (if applicable)  performed with current firm ter Storage Tank,			
5)	3) F tt s	A detailed topographical survey of South Beau guided our engineering team to complete construction staking on the project. Size 7 Bloomstruction (City and State)  Cedar Ridge, Flagstaff AZ  3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) ANI Provide survey services consisting of construction by Detention Basins 2 and 6 including the out of Detention Basins 2 and 6 including the out of Detention Basins. The civil construction (Dity and State)  City of Flagstaff - Various, Flagstaff, AZ  3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) ANI Numerous boundary, control and topographic Flagstaff Urban Trail System, Reclaimed Water project evaluation.	ver and South Leroux in downstruction and utility docured by the cooks. Design Cost \$250,000, Cooks. De	cown Flagstaff was nents for the Cit construction Cost Professional Services 2011    X Ch	eck if project ps performer y of Flags \$2.4 million (2) Year Co eck if project p luded set-u r in the fiel e [performer erifying the (2) Year Co heck if project Airport Wa ise II, and L	erformed with current firm d. The survey information taff. We also performed construction (if applicable)  erformed with current firm p calculations based on d with the Cedar Ridge ed a topographic survey as-constructed storage  completed  Construction (if applicable)  performed with current firm ter Storage Tank, iDAR mapping elevation			
(3) PRIEF DESCRIPTION (Print scand size cost atc LAND SPECIFIC POLE	3) F tt s s s s s s s s s s s s s s s s s	A detailed topographical survey of South Beau guided our engineering team to complete construction staking on the project. Size 7 Bloomstruction (City and State)  Cedar Ridge, Flagstaff AZ  3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) ANI Provide survey services consisting of construction and plate plans and plate plans of the Presidio in the Picubdivision. We provided one set of centerling of Detention Basins 2 and 6 including the outpollumes of the basins. The civil construction (City and State)  City of Flagstaff - Various, Flagstaff, AZ  3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) ANI Numerous boundary, control and topographic Flagstaff Urban Trail System, Reclaimed Water project evaluation.  1) TITLE AND LOCATION (City and State)	ver and South Leroux in downstruction and utility docured by the cooks. Design Cost \$250,000, Cooks. De	cown Flagstaff was ments for the Cit construction Cost Professional Services 2011  Ad. This work including this togethe of finish grade. With purpose of very professional Services 2011  Concluding Pulliam mprovements Pharmark Professional Services Professional Services Professional Services Professional Services Professional Services Professional Services	eck if project ps performer y of Flags \$2.4 million (2) Year Co eck if project p luded set-u r in the fiel e [performer erifying the (2) Year Co heck if project Airport Wa ise II, and L	erformed with current firm d. The survey information taff. We also performed construction (if applicable)  erformed with current firm p calculations based on d with the Cedar Ridge ed a topographic survey as-constructed storage  completed  Construction (if applicable)  performed with current firm ter Storage Tank, iDAR mapping elevation			
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	3) Fit s s d d d d d d d d d d d d d d d d d	A detailed topographical survey of South Beau guided our engineering team to complete construction staking on the project. Size 7 Bloomstruction (City and State)  Cedar Ridge, Flagstaff AZ  3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) ANI Provide survey services consisting of construction and plate plans and plate plans of the Presidio in the Picubdivision. We provided one set of centerling of Detention Basins 2 and 6 including the outpollumes of the basins. The civil construction (City and State)  City of Flagstaff - Various, Flagstaff, AZ  3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) ANI Numerous boundary, control and topographic Flagstaff Urban Trail System, Reclaimed Water project evaluation.  1) TITLE AND LOCATION (City and State)	ver and South Leroux in downstruction and utility docured by the cooks. Design Cost \$250,000, Cooks. De	cown Flagstaff was ments for the Cit construction Cost Professional Services 2011  Ad. This work including this togethe of finish grade. With purpose of very professional Services 2011  Concluding Pulliam mprovements Pharmark Professional Services Professional Services Professional Services Professional Services Professional Services	eck if project ps performer y of Flags \$2.4 million (2) Year Co eck if project p luded set-u r in the fiel e [performer erifying the (2) Year Co heck if project Airport Wa ise II, and L	erformed with current firm d. The survey information taff. We also performed construction (if applicable)  erformed with current firm p calculations based on d with the Cedar Ridge ed a topographic survey as-constructed storage  completed  Construction (if applicable)  performed with current firm ter Storage Tank, iDAR mapping elevation			
Photogrammetric control survey, ALTA/ACSM Land Title Survey, and easement descriptions for new casino site.	3) F tt ss of tt ss o	A detailed topographical survey of South Beau guided our engineering team to complete construction staking on the project. Size 7 Bloomstruction (City and State)  Cedar Ridge, Flagstaff AZ  3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) ANI Provide survey services consisting of construction and plate plans and plate plans of the Presidio in the Picubdivision. We provided one set of centerling of Detention Basins 2 and 6 including the outpollumes of the basins. The civil construction (City and State)  City of Flagstaff - Various, Flagstaff, AZ  3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) ANI Numerous boundary, control and topographic Flagstaff Urban Trail System, Reclaimed Water project evaluation.  1) TITLE AND LOCATION (City and State)	ver and South Leroux in down construction and utility docur cocks. Design Cost \$250,000, Country cocks. Design Cost cocks with a cocks roadines project for control and type offset stakes with cuts/fills to the compact of the cocks of	cown Flagstaff was nents for the Cit construction Cost  Professional Services 2011  Add. This work including this togethe of finish grade. We the purpose of very concluding Pulliam mprovements Pharmary Professional Services 2011  Professional Services 2011	eck if project ps performed y of Flags \$2.4 million (2) Year Co control (2) Year Co co	erformed with current firm d. The survey information taff. We also performed construction (if applicable)  erformed with current firm p calculations based on d with the Cedar Ridge ed a topographic survey as-constructed storage  completed Construction (if applicable)  performed with current firm ter Storage Tank, iDAR mapping elevation  completed construction (if applicable)			



### ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO: ADSPO15-00004729

	RESUMES OF KEY PERSONNEL PROPOSEI		nplete one Section		,, ,
a. NA		b. ROLE IN THIS CONTRACT  Project Manager		1. TOTAL	2. WITH CURRENT FIRM
San	dy Phillips	Project Manager		29	.5
4 [1	RM NAME AND LOCATION (City and State)	Civil Engineering & Designment	<u>jn</u>	29	
Wo	odson Engineering & Surveying, Flagsta				
	UCATION (DEGREE AND SPECIALIZATION)				(STATE AND DISCIPLINE)
BS	CE, California Polytechnic State Univers	•	•	•	il), Arizona, #26962
of	San Luis Obispo	Pro	ofessional Engir	neer (Civi	il), California #47720
1 -	HER PROFESSIONAL QUALIFICATIONS (Publications, Org	· · · · · · · · · · · · · · · · · · ·			
Me	ember: American Society of Civil Enginee	ers.			
		H. RELEVANT PROJECTS	3		
	(1) TITLE AND LOCATION (City and State)		Professional Services		Completed Construction (if applicable)
	City of Winslow Animal Care Facility, Wi	nsiow, AZ	2014		onstruction (ii applicable)
1)	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND	SPECIFIC ROLE	X <sub>Ch</sub>	neck if project	performed with current firm
	Woodson Engineering is providing surveying		ity plan design and	d construc	ction administration for the
	new City Animal Care Facility. We are working				
	documents, provide bidding services and con-				3.1
	(1) TITLE AND LOCATION (City and State)			(2) Year (	Completed
	City of Winslow Renaissance V on Route	e 66. Winslow. AZ	Professional Services		Construction (if applicable)
		,	Underway		
2)	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) ANI	D SPECIFIC ROLE	Xch	and if project	performed with current firm
	This project includes construction of pedestria		nvements along Se	econd and	Third Streets Additional
	work includes Environmental Documents and		venients along se	,cona ana	Tillia Streets. Additional
		Design Fidels		(2) Voor (	Completed
	(1) TITLE AND LOCATION (City and State)		Professional Services		Completed Construction (if applicable)
	Westwing Mountain, Peoria, AZ		Underway		
3)	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) ANI	D SPECIFIC ROLE	□ <sub>Che</sub>	eck if project i	performed with current firm
,	Slope Analysis was performed on eleven hills	ide lots to determine buildabi			
	prepared for two of the lots to assist in the sale		.,	3	3.4.
	1				
	(1) TITLE AND LOCATION (City and State)				Completed
	Tonto Forest Estates, Maricopa County,	Δ7	Professional Services	,	Construction (if applicable)
			2005		
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) ANI				t performed with current firm
	This 100-acre semi-custom home developme	_			-
	These 1 acre sites were designed to allow th	e rainfall to travel in it's hist	oric manner to no	t decrease	e the flows to the existing
	vegetation downstream. Ms. Phillips, under t	he supervision of a Registere	ed Land Surveyor,	performed	d many of the As-Builts to
	make sure the in-field adjustments still met the		•	•	•
	(1) TITLE AND LOCATION (City and State)	Figure 7 and Figure 7 and Count			
	Northside Horse Outfitters, Goodyear, A	7	Professional Services		Completed Construction (if applicable)
	North side Horse Odinitiers, Goodyear, A	L	2010		, ,,
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND	) SPECIFIC ROLE			
l OI	Ms. Phillips performed site grading, retention of		Ch or and fire corvice:	for this ca	performed with current firm
	AZ. HEC-RAS was used to delineate the on-si				
	armoring and the associated costs were not re		CHOIT WIN HOLEHUL	Jacii Uli (II	CSC IIIIIIS AIN AUUILIUIIAI
	armorning and the associated costs were not re	quii cu.			



### ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO: ADSPO15-00004729

	RESUMES OF RET PERSONNEL PROPOSEI		ipiete one Sectioi	n 4 for each ke	ey person.)			
a. NA		b. ROLE IN THIS CONTRACT		c. YE	ARS EXPERIENCE			
A	licia Stoffers	Design Engineer		1. TOTAL	2. WITH CURRENT FIRM			
				12	12			
	RM NAME AND LOCATION (City and State)	££ 1.7						
	odson Engineering & Surveying, Flagsta							
e. ED	e. EDUCATION (DEGREE AND SPECIALIZATION) f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)							
	BS Civil Engineering	Dro	fessional Engine	oor (Civil) Ar	izona #40052			
			iessionai Engine	eer (Civil), All	12011a, #47733			
	with Emphasis in Environmental Engineer	ing						
	Northern Arizona University							
g. 01	HER PROFESSIONAL QUALIFICATIONS (Publications, Org	anizations, Training, Awards, etc.)						
		H. RELEVANT PROJECTS						
	(1) TITLE AND LOCATION (City and State)			(2) Year Com	pleted			
	Southside Improvement Project, City of	Flagstaff On Call	Professional Services	s Cons	struction (if applicable)			
	Flagstaff, AZ	3	2010	201				
	, ragstan, riz		<u> </u>	201	•			
1)	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND	SPECIFIC ROLE	X Check	if project performe	ed with current firm			
.,	Provided surveying, planning and engineering	services on a traffic calming s	street and sidewa	alk restoration	project as part of our			
	On-Call Contract with the City of Flagstaff. Sc	ope included curb bumpouts,	street reconstruc	tion or paven	nent overlay, sidewalks,			
	lighting, trees and street furniture Size: 8 ci	ity blocks. Design Cost \$143.2	05, Construction	Cost \$1.397 r	million (included 100%			
	Rebuild of AC)	<b>y</b> • • • • • • • • • • • • • • • • • • •			•			
	(1) TITLE AND LOCATION (City and State)			(2) Year Com	pleted			
	Winslow Southside Water, Winslow, AZ		Professional Services		struction (if applicable)			
			2012	201	12			
2)	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AN	D SPECIFIC ROLE	X Check	if project performe	ed with current firm			
۷)	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Check if project performed with current firm  The Southside Waterline project was designed for the City of Winslow. The waterline was constructed to replace aging infra-							
	structure and provide additional redundancy							
	Engineering also designed and obtained perm							
		ilis iroin bivar for two bornings	of the waterline					
	(1) TITLE AND LOCATION (City and State)			(2) Year Com	pleted			
	NAIPTA Transit Link Project, Flagstaff, A	42	Professional Services		nstruction (if applicable)			
			2011	20	)11			
- `	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AN	D SPECIFIC ROLE	X Check	if project performs	ed with current firm			
3)	This design/build project teamed Woodson Er							
	design engineer for drainage and utility work for this project which consisted of a new transit link through NAU campus along with new updated bus stops in the Flagstaff downtown area and Woodlands Village. Size: 5 miles. Design Cost \$370,413,							
	Construction Cost \$4.2 million	owinown area and woodiands	village. Size. 5	illiles. Design	10031 \$370,413,			
			1	(2) Veer Com	mlate d			
	(1) TITLE AND LOCATION (City and State	deling Winelow A7	D. (	(2) Year Com	_			
	City of Winslow Utility Mapping and Mod	aeiing, winslow, AZ	Professional Services	S	Construction (if applicable)			
4)			Ongoing					
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AN	D SPECIFIC ROLE	X Check	if project performe	ed with current firm			
	Mapping & Modeling of the existing water and	sewer infrastructure for the er	ntire public utilitie	es system for	the City of Winslow.			
	(1) TITLE AND LOCATION (City and State)			(2) Year Com				
	Ridge at Clear Creek, Flagstaff, AZ		Professional Services	s Con	struction (if applicable)			
	Triage at Oreal Oreal, Flagstan, 712		2013	00.	ionacion (ii applicable)			
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND	) SPECIFIC ROLE	Check	if project performe	ed with current firm			
5)	Engineering services necessary to provide	for the planning, developmen						
3)	documents to construct 17 apartment building							
	with many different variables required to be in							
	traffic interchange, numerous easements, co							
	Criteria for Storm Water Management, offsite s	sannary sewer in ADOT TIGHTO	i way and resoul	ce preservali(	ar requirements.			



### ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO: ADSPO15-00004729

a. NA	ME	b. ROLE IN THIS CONTRACT	Compicio				105
	sha Kalluri	Design Engineer			1. TOTAL	. YEARS EXPERIEN	
Siris	siia Naiiuii	Design Engineer			1. TOTAL	2. WITH CUR	RENI FIRM
4 EII	RM NAME AND LOCATION (City and State)					.5	
	odson Engineering & Surveying, Flagsta	ff, AZ					
e. ED	UCATION (DEGREE AND SPECIALIZATION)	f. CURI	RENT PROFE	SSIONAL RE	GISTRATION	(STATE AND DISC	IPLINE)
	Civil Engineering, Osmania University		<b>Profession</b>	onal Engi	neer (Civi	il) Arizona #51	1844
	Civil Engineering, Lamar University			•	•	il) Nevada # 19	
	gg,					er US-14-0748	
a OT	HER PROFESSIONAL QUALIFICATIONS (Publications, Org	vanizations Training Awards atc.)	- Cortinou	1 loouplu	wanag	0, 00 11 07 10	
g. O1	TEXT NOT EGGIONAL QUALITICATIONS (Fubications, Org						
	Last Title And Location (or	H. RELEVANT PROJE	CTS		(0) ) (		
	(1) TITLE AND LOCATION (City and State)	actoff A7			(2) Year (	Completed	
	Copeland Regional Detention Basin, Fla	gstall, AZ	Profess	ional Service	s C	Construction (if applic	cable)
ı			Unde	rway			,
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND	SPECIFIC ROLE		Chock	if project perfe	ormed with current fi	rm
1)	The proposed improvements include three s			Oncor			
	undeveloped land located west of and adjac						
	design and analysis of Storm Water Manage						
							aciiilles,
	channels and box culverts. She prepared dr (1) TITLE AND LOCATION (City and State)	amage report, cost estim	ate and wo	rked on S	<u> </u>		
	Grand Canyon Camper Village Master D	rainago Dlan			` '	Completed	
	Grand Carryon Carriper Village Master D	Talliage Plati	Profess <b>2014</b>	ional Service	s (	Construction (if appli	cable)
2)							
2)	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AN	D SPECIFIC ROLE	X	Check	if project perfe	ormed with current fi	rm
2)	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AN Prenared a master drainage plan including by			CHECK		ormed with current fi	
2)	Prepared a master drainage plan including hy	drology and hydraulics an	alysis. Pro	ovided alte	rnative dra	inage design in	cluding
2)	Prepared a master drainage plan including hy channels, concrete box culverts, and pipe cul	drology and hydraulics an	alysis. Pro	ovided alte	ernative dra oed further	inage design in and kept out of	cluding
<u> </u>	Prepared a master drainage plan including hy channels, concrete box culverts, and pipe cul (1) TITLE AND LOCATION (City and State)	drology and hydraulics an verts so that subject prop	alysis. Pro	ovided alte	ernative dra ped further (2) Year (	inage design in	cluding flood plain.
2)	Prepared a master drainage plan including hy channels, concrete box culverts, and pipe cul  (1) TITLE AND LOCATION (City and State)  Elkhorn Springs and Buffalo Drive storm dr	drology and hydraulics an verts so that subject propo ain system, Las Vegas N	alysis. Pro	ovided alte	ernative dra ped further (2) Year (	ninage design in and kept out of Completed	cluding flood plain.
2)	Prepared a master drainage plan including hy channels, concrete box culverts, and pipe cul (1) TITLE AND LOCATION (City and State)	drology and hydraulics an verts so that subject propo ain system, Las Vegas N	alysis. Profess	ovided alter be develop	ernative dra ped further (2) Year ( s	ninage design in and kept out of Completed	cluding flood plain.
	Prepared a master drainage plan including hy channels, concrete box culverts, and pipe cul  (1) TITLE AND LOCATION (City and State)  Elkhorn Springs and Buffalo Drive storm dr	drology and hydraulics an verts so that subject propo ain system, Las Vegas N'	valysis. Profess 2009	ovided alter oe develop sional Service	ernative dra ped further (2) Year ( s	ninage design in and kept out of Completed Construction (if apportunity appointment with current file)	cluding flood plain.
	Prepared a master drainage plan including hy channels, concrete box culverts, and pipe cul  (1) TITLE AND LOCATION (City and State)  Elkhorn Springs and Buffalo Drive storm dr  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AN	drology and hydraulics an verts so that subject proposition system, Las Vegas N'D SPECIFIC ROLE t long storm drain system	valysis. Profess 2009	ovided altered be developed in the control of the c	ernative dra ped further (2) Year ( s if project perfe in as built	and kept out of and kept out of Completed Construction (if apportmed with current filt plan review ar	flood plain.  olicable)  rm  nd site
	Prepared a master drainage plan including hy channels, concrete box culverts, and pipe cul  (1) TITLE AND LOCATION (City and State)  Elkhorn Springs and Buffalo Drive storm dr  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AN  Ms. Kalluri was Lead Designer of the 1600-f visits to delineate the basin boundaries. Sh	drology and hydraulics an verts so that subject proposition system, Las Vegas N'D SPECIFIC ROLE t long storm drain system e performed the detention	Profess 2009 n. She was	povided alter be develop characteristics Check involved age storage	ernative dra ped further (2) Year ( s if project perfo in as built pe calculati	and kept out of and kept out of Completed Construction (if apported and with current first plan review aritions and provided in the construction of the construction o	rm nd site
	Prepared a master drainage plan including hy channels, concrete box culverts, and pipe cul  (1) TITLE AND LOCATION (City and State)  Elkhorn Springs and Buffalo Drive storm dr  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AN  Ms. Kalluri was Lead Designer of the 1600-f	drology and hydraulics and verts so that subject proposition in system, Las Vegas None of the system of the system of the detention of the impact on downstream.	Profess 2009 n. She was n basin sta	check be develop  Check s involved age storag She desig	ernative dra bed further (2) Year ( s if project perfu in as built ge calculati	and kept out of and kept out of Completed Construction (if apported and with current first plan review aritions and provided in the construction of the construction o	rm nd site
	Prepared a master drainage plan including hy channels, concrete box culverts, and pipe cul (1) TITLE AND LOCATION (City and State) Elkhorn Springs and Buffalo Drive storm dr (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AN Ms. Kalluri was Lead Designer of the 1600-f visits to delineate the basin boundaries. Sh alternatives for outflow pipes to minimize the system to route additional flow to the deten	drology and hydraulics and verts so that subject proposition of the system, Las Vegas N'D SPECIFIC ROLE to long storm drain system to performed the detention he impact on downstream tion basin to utilize the universe to the subject of the subject	Profess 2009 n. She was n basin sta n facilities. nused cap	check be develop  Check s involved age storag She desig	ernative dra ped further (2) Year (1) if project perfer in as builting calculating and the	and kept out of and kept out of Completed Construction (if apported and with current first plan review aritions and provided in the construction of the construction o	rm nd site
	Prepared a master drainage plan including hy channels, concrete box culverts, and pipe cul (1) TITLE AND LOCATION (City and State) Elkhorn Springs and Buffalo Drive storm dr (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AN Ms. Kalluri was Lead Designer of the 1600-f visits to delineate the basin boundaries. Sh alternatives for outflow pipes to minimize the system to route additional flow to the deten (1) TITLE AND LOCATION (City and State). Conditional	drology and hydraulics and verts so that subject proposed in system, Las Vegas Not be specific role to long storm drain system to performed the detention he impact on downstream tion basin to utilize the unal Letter of Map Revision	ralysis. Profess 2009  n. She was a facilities. nused cap	check be develop  Check s involved age storag She desig	ernative dra ped further (2) Year ( s if project performas built pe calculation gned the au ie basin.	and kept out of and kept out of and kept out of Completed Construction (if appropried with current fit plan review arions and providinalyzed storm (	rm nd site ded drain
	Prepared a master drainage plan including hy channels, concrete box culverts, and pipe cul (1) TITLE AND LOCATION (City and State) Elkhorn Springs and Buffalo Drive storm dr (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AN Ms. Kalluri was Lead Designer of the 1600-f visits to delineate the basin boundaries. Sh alternatives for outflow pipes to minimize the system to route additional flow to the deten	drology and hydraulics and verts so that subject proposed in system, Las Vegas Not be specific role to long storm drain system to performed the detention he impact on downstream tion basin to utilize the unal Letter of Map Revision	ralysis. Profess 2009  n. She was a facilities. nused cap	check be developed alter check involved age storage she designation of the check acity of the check check involved acity of the check chec	ernative dra ped further (2) Year ( s if project performas built pe calculation gned the au ie basin.	and kept out of and kept out of and kept out of completed construction (if apported with current fit plan review arions and providinalyzed storm (completed)	rm nd site ded drain
	Prepared a master drainage plan including hy channels, concrete box culverts, and pipe cul (1) TITLE AND LOCATION (City and State) Elkhorn Springs and Buffalo Drive storm dr (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AN Ms. Kalluri was Lead Designer of the 1600-f visits to delineate the basin boundaries. Sh alternatives for outflow pipes to minimize the system to route additional flow to the deten (1) TITLE AND LOCATION (City and State). Conditional	drology and hydraulics and verts so that subject proposed in system, Las Vegas Not be precipited to the proposed in the detention of the detention of the design of the utilize the unit letter of Map Revision Vegas, NV	ralysis. Profess 2009  n. She was a facilities. nused cap	check be developed in the control of	ernative dra bed further (2) Year (3) if project perfer in as built ge calculating gned the and the basin. (2) Year (4)	completed completed construction (if app.) compared with current fit plan review are ions and provide nalyzed storm (in app.) completed completed completed construction (if	rm nd site ded drain
3)	Prepared a master drainage plan including hy channels, concrete box culverts, and pipe cul (1) TITLE AND LOCATION (City and State) Elkhorn Springs and Buffalo Drive storm dr (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AN Ms. Kalluri was Lead Designer of the 1600-f visits to delineate the basin boundaries. Sh alternatives for outflow pipes to minimize the system to route additional flow to the deten (1) TITLE AND LOCATION (City and State). Conditional (CLOMR) for Blue Diamond Crossing, Las (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AN	drology and hydraulics and verts so that subject proposed in system, Las Vegas Not be performed the detention in the performed the detention in the basin to utilize the unal Letter of Map Revision vegas, NV	Profess 2009  a. She was a facilities. nused cap	check by idea alter be developed alter be developed and Service Check involved age storag She designacity of the second control of t	ernative dra ped further (2) Year (2) if project perfection as builting e calculating gned the angle basin. (2) Year (2) if project perfection (2) Year (3) if project perfection (3)	completed completed construction (if app.) corned with current fit plan review are ions and provide nalyzed storm (in appleted construction (if appl	rm nd site ded drain
3)	Prepared a master drainage plan including hy channels, concrete box culverts, and pipe cul (1) TITLE AND LOCATION (City and State) Elkhorn Springs and Buffalo Drive storm dr (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AN Ms. Kalluri was Lead Designer of the 1600-f visits to delineate the basin boundaries. Sh alternatives for outflow pipes to minimize the system to route additional flow to the deten (1) TITLE AND LOCATION (City and State). Conditional (CLOMR) for Blue Diamond Crossing, Las (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AN Ms. Kalluri prepared Conditional Letter of M	drology and hydraulics and verts so that subject proposition of the pr	Profess 2009  a. She was a facilities. nused cap	check by development of the check of the check of the check of the check or a 60-Action of the check of the	ernative dra bed further (2) Year (2) if project perfering as builting calculating and the angle basin. (2) Year (2) if project perfere comments	completed Construction (if appropriate and provice and provided and	rm applicable)  applicable)  rm Diamond
3)	Prepared a master drainage plan including hy channels, concrete box culverts, and pipe cul (1) TITLE AND LOCATION (City and State) Elkhorn Springs and Buffalo Drive storm dr (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AN Ms. Kalluri was Lead Designer of the 1600-f visits to delineate the basin boundaries. Sh alternatives for outflow pipes to minimize th system to route additional flow to the deten (1) TITLE AND LOCATION (City and State). Conditiona (CLOMR) for Blue Diamond Crossing, Las (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AN Ms. Kalluri prepared Conditional Letter of M Crossing located in SFHA Zone AE to remove	drology and hydraulics and verts so that subject proposed in system, Las Vegas Not be performed the detention he impact on downstream tion basin to utilize the unal Letter of Map Revision Vegas, NV begas, N	Profess 2009  a. She was a facilities. nused cap a profess polication for cood zone.	check be developed in the check of involved acity of the check or a 60-Aci The CLOM	ernative dra ped further (2) Year (2) s if project performas builting calculating the authorises if project performance comments if project performance comments IR applications	completed Completed Construction (if appropriate plan review arrival and providinallyzed storm of the completed Construction (if construction (if appropriate plan review arrival) Completed Construction (if appropriate plan review arrival) Completed Construction (if appropriate plan review arrival) Completed Construction (if appropriate plan review arrival)	icluding flood plain.  olicable)  m od site ded drain  applicable)  m Diamond nalyzing a
3)	Prepared a master drainage plan including hy channels, concrete box culverts, and pipe cul (1) TITLE AND LOCATION (City and State) Elkhorn Springs and Buffalo Drive storm dr (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AN Ms. Kalluri was Lead Designer of the 1600-f visits to delineate the basin boundaries. Sh alternatives for outflow pipes to minimize the system to route additional flow to the deten (1) TITLE AND LOCATION (City and State). Conditional (CLOMR) for Blue Diamond Crossing, Las (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AN Ms. Kalluri prepared Conditional Letter of M Crossing located in SFHA Zone AE to remove proposed 45-foot trapezoidal channel of approposed for the culture of the conditional con	drology and hydraulics and verts so that subject proposed in system, Las Vegas Not be precipiled to long storm drain system to long storm drain system to performed the detention has in to utilize the unal Letter of Map Revision Vegas, NV Despecific role ap Revision (CLOMR) applye the project site from flooroximately 2400-foot using vertical process.	ralysis. Profess 2009  n. She was a facilities. nused cap Profess cod zone. In g HEC-RA	check be developed in the check involved age storage storage storage storage storage acity of the check or a 60-Acithe CLOMAS. Perfor	ernative dra ped further (2) Year (2) if project performed the authority of the authority of the calculation (2) Year (2) if project performed the application of the	completed Construction (if applications and provided and	rm nd site ded drain  applicable)  mapplicable)  mapplicable)  mapplicable of the ded drain  applicable of the ded nalyzing a modeling to
3)	Prepared a master drainage plan including hy channels, concrete box culverts, and pipe cul (1) TITLE AND LOCATION (City and State) Elkhorn Springs and Buffalo Drive storm dr (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AN Ms. Kalluri was Lead Designer of the 1600-f visits to delineate the basin boundaries. Sh alternatives for outflow pipes to minimize the system to route additional flow to the deten (1) TITLE AND LOCATION (City and State). Conditional (CLOMR) for Blue Diamond Crossing, Las (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AN Ms. Kalluri prepared Conditional Letter of M Crossing located in SFHA Zone AE to remove proposed 45-foot trapezoidal channel of apprompare the pre and the post-development.	drology and hydraulics and verts so that subject proportion in system, Las Vegas N° D SPECIFIC ROLE the performed the detention in the impact on downstream tion basin to utilize the unal Letter of Map Revision Vegas, NV D SPECIFIC ROLE ap Revision (CLOMR) applye the project site from flooroximately 2400-foot using water surface elevations	Profess 1 She was 2009  n. She was n basin sta facilities. nused cap Profess  colication for cod zone. ng HEC-RA to satisfy	check be developed in the check involved age storage storage storage storage storage acity of the check or a 60-Acithe CLOMAS. Perfor	ernative dra ped further (2) Year (2) if project performed the authority of the authority of the calculation (2) Year (2) if project performed the application of the	completed Construction (if applications and provided and	rm nd site ded drain  applicable)  mapplicable)  mapplicable)  mapplicable of the ded drain  applicable of the ded nalyzing a modeling to
3)	Prepared a master drainage plan including hy channels, concrete box culverts, and pipe cul (1) TITLE AND LOCATION (City and State) Elkhorn Springs and Buffalo Drive storm dr (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AN Ms. Kalluri was Lead Designer of the 1600-f visits to delineate the basin boundaries. Sh alternatives for outflow pipes to minimize the system to route additional flow to the deten (1) TITLE AND LOCATION (City and State). Conditional (CLOMR) for Blue Diamond Crossing, Las (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AN Ms. Kalluri prepared Conditional Letter of M Crossing located in SFHA Zone AE to remove proposed 45-foot trapezoidal channel of approporate the pre and the post-development hydrologic/hydraulic report was submitted to	drology and hydraulics and verts so that subject proportion in system, Las Vegas N° D SPECIFIC ROLE the performed the detention in the impact on downstream tion basin to utilize the unal Letter of Map Revision Vegas, NV D SPECIFIC ROLE ap Revision (CLOMR) applye the project site from flooroximately 2400-foot using water surface elevations	Profess 1 She was 2009  n. She was n basin sta facilities. nused cap Profess  colication for cod zone. ng HEC-RA to satisfy	check be developed in the check involved age storage storage storage storage storage acity of the check or a 60-Acithe CLOMAS. Perfor	ernative dra ped further (2) Year (2) if project perform as builting calculating and the angle basin. (2) Year (2) if project perform comments if project perform application and detail peria. A CLC	completed Construction (if applications and provident) Completed Construction (if applications) Completed Construction (if Completed Construction (if Construct	rm nd site ded drain  applicable)  mapplicable)  mapplicable)  mapplicable of the ded drain  applicable of the ded nalyzing a modeling to
3)	Prepared a master drainage plan including hy channels, concrete box culverts, and pipe cul (1) TITLE AND LOCATION (City and State) Elkhorn Springs and Buffalo Drive storm dr (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AN Ms. Kalluri was Lead Designer of the 1600-f visits to delineate the basin boundaries. Sh alternatives for outflow pipes to minimize the system to route additional flow to the deten (1) TITLE AND LOCATION (City and State). Conditional (CLOMR) for Blue Diamond Crossing, Las (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AN Ms. Kalluri prepared Conditional Letter of M Crossing located in SFHA Zone AE to remove proposed 45-foot trapezoidal channel of apprompare the pre and the post-development.	drology and hydraulics and verts so that subject proportion in system, Las Vegas N° D SPECIFIC ROLE the performed the detention in the impact on downstream tion basin to utilize the unal Letter of Map Revision Vegas, NV D SPECIFIC ROLE ap Revision (CLOMR) applye the project site from flooroximately 2400-foot using water surface elevations	Profess 1 She was 2009  n. She was n basin sta facilities. nused cap Profess  colication for cod zone. ng HEC-RA to satisfy	check be developed in the check involved age storage storage storage storage storage acity of the check or a 60-Acithe CLOMAS. Perfor	ernative dra ped further (2) Year (2) if project perform as builting calculating and the angle basin. (2) Year (2) if project perform comments if project perform application and detail peria. A CL(2)	completed Construction (if applications and provided and	rm nd site ded drain  applicable)  mapplicable)  mapplicable)  mapplicable of the ded drain  applicable of the ded nalyzing a modeling to
3)	Prepared a master drainage plan including hy channels, concrete box culverts, and pipe cul (1) TITLE AND LOCATION (City and State) Elkhorn Springs and Buffalo Drive storm dr (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AN Ms. Kalluri was Lead Designer of the 1600-f visits to delineate the basin boundaries. Sh alternatives for outflow pipes to minimize the system to route additional flow to the deten (1) TITLE AND LOCATION (City and State). Conditional (CLOMR) for Blue Diamond Crossing, Las (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AN Ms. Kalluri prepared Conditional Letter of M Crossing located in SFHA Zone AE to remove proposed 45-foot trapezoidal channel of approporate the pre and the post-development hydrologic/hydraulic report was submitted to	drology and hydraulics and verts so that subject proportion in system, Las Vegas N° D SPECIFIC ROLE the performed the detention in the impact on downstream tion basin to utilize the unal Letter of Map Revision Vegas, NV D SPECIFIC ROLE ap Revision (CLOMR) applye the project site from flooroximately 2400-foot using water surface elevations	nalysis. Profess 2009  n. She was a facilities. nused cap profess cod zone. In green at the satisfy to satisfy proval.	check be developed in the check involved age storage storage storage storage storage storage acity of the check or a 60-Acit The CLOMAS. Perfor	ernative dra ped further (2) Year (2) if project perfering as builting e calculating and the angle basin. (2) Year (2) Year (3) if project perfere commer application and detail eria. A CL(3) Year (3)	completed Construction (if applications and provident) Completed Construction (if applications) Completed Construction (if Completed Construction (if Construct	icluding flood plain.  olicable)  mand site ded drain  applicable)  mand nalyzing a nodeling to n and
3)	Prepared a master drainage plan including hy channels, concrete box culverts, and pipe cul (1) TITLE AND LOCATION (City and State) Elkhorn Springs and Buffalo Drive storm dr (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AN Ms. Kalluri was Lead Designer of the 1600-f visits to delineate the basin boundaries. Sh alternatives for outflow pipes to minimize the system to route additional flow to the deten (1) TITLE AND LOCATION (City and State). Conditional (CLOMR) for Blue Diamond Crossing, Las (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AN Ms. Kalluri prepared Conditional Letter of M Crossing located in SFHA Zone AE to remove proposed 45-foot trapezoidal channel of approporate the pre and the post-development hydrologic/hydraulic report was submitted to	drology and hydraulics and verts so that subject proposition in system, Las Vegas Not be performed the detention in the impact on downstreame tion basin to utilize the unal Letter of Map Revision Vegas, NV Dependent of the project site from flooroximately 2400-foot using water surface elevations of FEMA for review and appropriate the project of the	nalysis. Profess 2009  n. She was a facilities. nused cap profess cod zone. In green at the satisfy to satisfy proval.	check be developed involved alter be developed involved alter be involved age storaged She design acity of the CLOMAS. Perfor FEMA critical control of the CLOMAS. Perfor FEMA critical control of the CLOMAS.	ernative dra ped further (2) Year (2) s if project performs as builting as builting and the angle basin. (2) Year (2) Year (3) Tryices if project performs application and detail eria. A CL(3) Year (3)	completed Completed Construction (if applications and provide nalyzed storm of the construction (if application) and provide nalyzed storm of the construction (if application) and provide nalyzed storm of the construction (if application) and provide nalyzed storm of the construction (if application) and provide nalyzed storm of the construction (if application) and provided and the construction (if application) and provided and p	icluding flood plain.  olicable)  mand site ded drain  applicable)  mand nalyzing a nodeling to n and



### ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO: ADSPO15-00004729

	RESUMES OF KET PERSONNEL PROPOSEL	•	ipiete one Section	14 IUI Eaci	ii key person.)
a. NA		b. ROLE IN THIS CONTRACT			c. YEARS EXPERIENCE
Mil	ke Farley	Design Engineer		1. TOTAL	2. WITH CURRENT FIRM
				15	1.5
	RM NAME AND LOCATION (City and State) odson Engineering & Surveying, Flagstat	ff, AZ			
e FD	UCATION (DEGREE AND SPECIALIZATION)	f. CURRENT	PROFESSIONAL REC	SISTRATION	(STATE AND DISCIPLINE)
	3S Civil Engineering, Arizona State Unive	rsity Pro	fessional Engir	neer (Civ	il) Arizona, 42736
-	or or or Erigineering, ranzona state or inve				il) Colorado, 45679
			iessionai Engli	icei (Civ	ii) Colorado, 45079
g. OT	HER PROFESSIONAL QUALIFICATIONS (Publications, Org.				
	(4) TITLE AND LOCATION (6" LOCAL)	H. RELEVANT PROJECTS	<del></del>	(0) )/	
	(1) TITLE AND LOCATION (City and State)	-t Dusingt Floretoff A7			Completed
	Flagstaff Sanitary Manhole Assessmer	it Project, Flagstaff, AZ	Professional Services Ongoing	s (	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND				ormed with current firm
1)	This work consists of providing a manho	le condition assessment f	or a portion of t	the existi	ing City sanitary sewer
	system, (over 270 manholes), for the pur	pose of extrapolating the f	indings to the d	overall sy	stem to determine
	future capital expenditures related to reh				
	provided visual condition assessment of				
		•	ia uocumentati	וטוו טו נוופ	e mannoles, and
	documenting the level of distress encou	ntered at each mannoie.			
	(1) TITLE AND LOCATION (City and State)			(2) Year	Completed
	Arizona State Land Department, Phoenix	k, AZ	Professional Services	5	Construction (if applicable)
			2013		
2)	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND	SPECIFIC ROLE	Check	if project perf	ormed with current firm
_,	Performed coordination/review of engine	eer studies which involved			
	transportation, water and wastewater inf			(0)	concioning or an annage,
	transportation, water and wastewater in	rastructure master plannii	19.		
	(1) TITLE AND LOCATION (City and State)			(2) Year	Completed
	City of Surprise 16 inch Reclaim Water N	lain, Cactus Rd, Litchfield			
	Rd to Dysart Rd Surprise, AZ	,	Professional Services	3	Construction (if applicable)
			2007		
٥)	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND				ormed with current firm
3)	Engineer of Record in charge of the preparation				
	Oversee utility coordination, identifying pipeline horizontal and vertical alignment. Coordinate with EIT & drafter internally and suppliers				
	the BNSF Railroad, other consulting engineers a				
	reclaimed water main. Coordinated the MCESD				
	Aided the City of Surprise in obtaining a railroad	permit for installing infrastruct	ure underneath an		
	(1) TITLE AND LOCATION (City and State)				Completed
	City of Cottonwood Water Systems Eval	uation, Cottonwood, AZ	Professional Services	3	Construction (if applicable)
			2003		
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND	SPECIFIC ROLE	Check	if project perf	ormed with current firm
	Responsibilities included water quality,	financial, and hydraulic an	alysis of three	private w	ater companies in
4)	Cottonwood. This study utilized engine	<b>3</b>	•	•	•
	age, expected lifespan, and condition of				
					naiysis tilloughout the
	study area to be used in WaterCAD in or	der to accurately model ea	ich water syste	m.	



## ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO: ADSPO15-00004729

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

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

		•	inprote one could		<u>, , , , , , , , , , , , , , , , , , , </u>
a. NA		b. ROLE IN THIS CONTRACT		c. Yl	EARS EXPERIENCE
Chris Hull		Survey Project Manager		1. TOTAL	2. WITH CURRENT FIRM
				18	6
d FI	RM NAME AND LOCATION (City and State)			1.0	
	odson Engineering & Surveying				
e FD	UCATION (DEGREE AND SPECIALIZATION)	f. CURREN	T PROFESSIONAL REC	GISTRATION (S	TATE AND DISCIPLINE)
	ever Institute of Technology	Registe	red Land Survey	vor, Arizona	a. #39469
1	veying and Mapping	•	red Land Survey		
Sui	veying and mapping	•	-		
~ 01	HER PROFESSIONAL OLIALIFICATIONS (Publications Or	Registe	red Land Survey	yor, Colorac	JU #37931
g. G	HER PROFESSIONAL QUALIFICATIONS (Publications, Org rizona Professional Land Surveyors	anizations, Training, Awards, etc.)			
		H. RELEVANT PROJECTS			
	(1) TITLE AND LOCATION (City and State)			(2) Year Cor	npleted
	Peabody Mapping Survey, Kayenta, AZ		Professional Services	S Con	struction (if applicable)
			2011		, ,
4)	(a) PRIES DECORIDATION (B.: ( , , , , , , , , , , )	ODEOUEIO DOLE		I	
1)	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND		Oncor		ned with current firm
	Chris was responsible for setting and location				
	the Navajo Reservation, a corridor of 800 fee		Route 41 from the	Highway 16	0 intersection south to
	where the Black Mesa Haul Road and NR 41	intersect.			
	(1) TITLE AND LOCATION (City and State)			(2) Year Cor	npleted
	City of Flagstaff Beaver & Leroux Surve	y, Flagstaff, AZ	Professional Services	, har	naturation (if applicable)
		-			nstruction (if applicable)
٥)			2013	20	13
2)	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) ANI				ed with current firm
	Chris did a detailed topographic survey of	Beaver and Leroux Streets i	n downtown to a	id in the de	sign of new utility lines
	and road improvement. The survey info	ormation guided the engin	eering team to	complete c	onstruction and utility
	documents for the City of Flagstaff. Chris als				,
	(1) TITLE AND LOCATION (City and State)	регистива селен аспол		(2) Year Cor	npleted
	NAIPTA Mountain Links, Flagstaff, AZ	Morthorn Arizona		( )	
	_	<del>*</del>	Professional Services	S Co	onstruction (if applicable)
	Intergovernmental Public Transportation	n Autnority)	2009	20	012
3)	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) ANI	O SPECIFIC ROLE	X Check	ifi	and with a summer of Employment
٠,			— CHECK		ned with current firm
	Chris provided the necessary construction				n Anzona University
	Campus, and other bus stop locations throu		e downtown area	1.	
	Size: 5 miles. Design Cost \$370,413, Constr	ruction Cost \$4.2 million			
	(1) TITLE AND LOCATION (City and State)			(2) Year Cor	npleted
	City of Flagstaff Schultz Waterline		Professional Services	3	Construction (if applicable)
			2012		2012
4)	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) ANI	O SPECIFIC ROLE	X Check		1 11
			— Oncor		ned with current firm
	Chris performed a topographic survey of				of a new waterline.
	Chris was involved in the construction I	ayout of the new line on th	ne lower portion	l <b>.</b>	
	(1) TITLE AND LOCATION (City and State)			(2) Year Cor	npleted
	City of Flagstaff Observatory Mesa		Professional Services	S Co	nstruction (if applicable)
			2013		
5)	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND	SPECIFIC ROLE	(X) Check	if project parts	and with ourrent firm
- /					hed with current firm
	Performed an ALTA/ACSM Land Title Survey	O T IOUI SECTIONS OF IAMA C	in Observatory IVI	esa iui pulc	iiase iiviii liie slale vi
	Arizona by the City of Flagstaff.				

# 1912

#### **ATTACHMENT I – General Qualifications**

## ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO: ADSPO15-00004729

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

	WHICH BEST ILLUSTRATE PROPOSE THIS CONTRACT than five (5) projects. Complete one Sec		ONS FOR	
a. TITLE AND LOCATION (City and State)		b. YEAR COMPLETED		
Winslow Renaissance on Route 66 Projects Winslow, AZ		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) 2011 through Phase 3	
	23. PROJECT OWNER'S INFORMA	TION		
c.PROJECT OWNER City of Winslow	d .DOLLAR AMOUNT OF PROJECT	e. TOTAL COST OF \$5,000,000	PROJECT	

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

PROJECT DESCRIPTION: Woodson Engineering provided the City of Winslow with Construction Management services to support their efforts in implementing Transportation Enhancement (TE) grants from the ADOT-FHWA for the renovation of old US Route 66, a total of nearly 4 miles. Woodson provided CM services, including:

- Preparing Bid Documents, advertisements for bid and bid tabulation.
- Facilitating the pre-bid meeting.
- Facilitating weekly construction progress meetings.
- Reviewing and approving pay applications.
- · Conducting employee interviews to meet federal requirements for FHWA grant funded work.
- Reviewing Davis-Bacon wage rates and actual wages earned by construction workers subject to the federal guidelines.
- Facilitating pre-final and final walkthroughs to develop punch lists for final work to be completed and final payment.

LOCATION OF THE PROJECT: The Renaissance Projects are located along 2nd and 3rd Streets in Winslow from Hipkoe Drive to Transcon Lane.

PROJECT OWNER, POINT OF CONTACT AND PHONE NUMBER: The owner of the project was the City of Winslow, Stephen J. Paukin, City Manager, (928) 289-2423.

SIZE, SCHEDULE, BUDGET AND COMPLEXITY: The project consists of 4 miles of 2 to 3 lane roadway and sidewalks varying from 4' to 8' in width. Thus far, a total of over \$5,000,000 worth of work has been constructed.

YEAR COMPLETED: The last phase, phase III was constructed in 2011. Phases IV and V are scheduled for completion in 2013.

# 912

#### **ATTACHMENT I – General Qualifications**

## ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO: ADSPO15-00004729

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

	PROJECTS WHICH BEST ILLUSTRATE PROTECTS THIS CONTRACT ent no more than five (5) projects. Complete	Γ		IONS FOR	
a. TITLE AND LOCATION (City and State)			b. YEAR COMPLETED		
Winslow Floodplain Physical Map Revision		_	OFESSIONAL SERVICES ngoing	CONSTRUCTION (If applicable)	
23. PROJECT OWNER'S INFORMATION					
c .PROJECT OWNER City of Winslow	d .DOLLAR AMOUNT OF PROJECT \$197,000		e. TOTAL COST OF \$197,000	PROJECT	

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

PROJECT DESCRIPTION: This Environmental Engineering and Planning project involved a floodplain delineation study after determining that with the de-accreditation of the Little Colorado River Levee, east of the City, approximately 3,000 properties were placed in a Special Flood Hazard Area (SFHA) Zone A. Initial review estimated that approximately 40% of the properties would have the flood risk and flood insurance reduced if a delineation study was performed. The study has involved coordination with the US Army Corps of Engineers (USACE) and Navajo County to ensure that the feasibility study of rehabilitating the levee and this delineation project do not conclude with conflicting results which would impact the local residents. Tasks included validating a survey performed by the county, validating hydrologic data, determining flow patterns and depths over several square miles, determining the floodway, preparing the necessary analysis maps and presentations for the City, and coordinating with FEMA in terms of how to apply the results so that the proper risk levels could be assigned. The use of HEC-RAS and AutoCad were instrumental in developing the maps necessary to demonstrate to the stakeholders the analysis and impacts on the community in delineating the floodplain.

This project has involved a close working relationship between Woodson and DuBroy Engineering along with FEMA, USACE, Navajo County, and the City of Winslow. The technical challenges were solved through the constant communication and data sharing between Woodson and DuBroy.

LOCATION OF THE PROJECT: Winslow, AZ PROJECT OWNER, POINT OF CONTACT AND PHONE NUMBER: The project owner is City of Winslow, Stephen J. Paukin, City Manager, (928) 289-2423.

SIZE, SCHEDULE, BUDGET AND COMPLEXITY: Project encompassed over 10 square miles of study area and required iterative uses of the HEC-RAS software to accommodate changing conditions and client preference. The budget for performing this work is \$197,000.

## ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO: ADSPO15-00004729

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

5. EXAMPLE PROJECTS WHICH  (Present no more than five	BEST ILLUSTRATE PROPOSE THIS CONTRACT e (5) projects. Complete one Se		ONS FOR	
a. TITLE AND LOCATION (City and State) b. YEAR COMPLETED				
NAIPTA Transit Link Survey		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	
Flagstaff, AZ		2011	2011	
23. PROJECT OWNER'S INFORMATION				
c.PROJECT OWNER City of Flagstaff, NAIPTA (Northern Arizona	d .DOLLAR AMOUNT OF PROJECT	e. TOTAL COST OF	PROJECT	
Intergovernmental Public Transportation Authority), Northern Arizona University		\$4,470,000		

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

PROJECT DESCRIPTION: Design and Construction Staking, Aerial Topo Survey: We provided the topographic survey, survey control, drainage design and utility location and relocation work for this project.

This project illustrated our ability to be part of a design/build multi-disciplinary team (Hunter/Jacobs/Woodson) for a major transit project which consists of a new transit link through NAU campus along with new updated bus stops in the City downtown area and Woodlands Village. The City of Flagstaff, NAU and the owner NAIPTA affected public and NAU faculty, staff, and students. We provided the topographic survey, survey control, and construction staking and utility relocation work for this project.

LOCATION OF THE PROJECT: Through the NAU campus, City of Flagstaff downtown area and Woodlands Village.

PROJECT OWNER, POINT OF CONTACT AND PHONE NUMBER: The project owners were NAU, City of Flagstaff and Northern Arizona Intergovernmental Public Transportation Authority (NAIPTA). Points of Contact are Jeff Meilbeck, General Manager, 928-679-8909 and Dave Smith, Facilities and Security Manager, 928-679-8924.

SIZE, SCHEDULE, BUDGET AND COMPLEXITY: The length of this project was 5 miles with a design and construction cost of \$4,470,000. The project was complicated by the lack of documentation for the existing underground infrastructure. Extensive potholing was required to determine existing conditions.



## ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO: ADSPO15-00004729

STATE PROCUREMENT OFFICE Department of Administration 100 North 15<sup>th</sup> 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			COMPLETED	
Coconino County Copeland Regional Detention Basin north of Flagstaff, AZ		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) Ongoing	
23. PROJECT OWNER'S INFORMATION				
c .PROJECT OWNER Coconino County Public Works	d .DOLLAR AMOUNT OF PROJECT	e. TOTAL COST OF \$10 Million	PROJECT	

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

PROJECT DESCRIPTION: This project involves the design of detention basins southwest of the intersection of Copeland Drive and US 89, north of Flagstaff. These detention basins are to protect US 89 from future overtopping and regulate the flows that initiate within the Shultz Fire burn area. Project involves extensive coordination with the Federal Highway Administration, ADOT, Coconino County, local residents, and other stakeholders in the area. The design involves up to one million cubic yards of excavation and embankment to construct the basins and absorb the additional flows from the burn area. Project is being funded with FHWA emergency relief funds.

LOCATION OF THE PROJECT: north of Flagstaff, Coconino County, AZ

PROJECT OWNER, POINT OF CONTACT AND PHONE NUMBER: The project owner is Coconino County Public Works. Dustin Woodman, 928-679-8306

SIZE, SCHEDULE, BUDGET AND COMPLEXITY: 80 acres. Ongoing.

This project demonstrates Woodson Engineering's ability to work with many different agencies and to assist the County in meeting the federal funding requirements and maximizing the funds available to complete the project. This project also illustrates our ability to provide scheduling assistance to a public entity on a very complex project. The County had no real idea of the scheduling of this Federal process and Woodson Engineering provided this service.

## ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO: ADSPO15-00004729

STATE PROCUREMENT OFFICE Department of Administration 100 North 15<sup>th</sup> 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			COMPLETED	
Flagstaff South Beaver and South Leroux Improvements		PROF 201	FESSIONAL SERVICES	CONSTRUCTION (If applicable) 2013
23. PROJECT OWNER'S INFORMATION				
c .PROJECT OWNER City of Flagstaff	d .DOLLAR AMOUNT OF PROJECT \$250,000		e. TOTAL COST OF P \$2,400,000	ROJECT

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

PROJECT DESCRIPTION: Engineering design for the City of Flagstaff South Beaver & South Leroux 2010 Bond Improvement Project located in the Southside neighborhood of Flagstaff. This work consisted of utility and streetscape design for sewer, water, interceptor sewer, streets, curb & gutter, ADA ramps and analysis of local drainage and hydrologic and hydraulics conditions of the existing drainage systems in the area. Performed joint constructability review of all components with contractor. Our work included topographic and location survey, field investigation of existing drainage infrastructure, an alternatives analysis and design and constructability review. This project is being delivered with a Construction-Manager-At-Risk method and is expected to begin construction in 2013. This project is indicative of Woodson Engineering's working closely with the client to ensure that the analysis and design of the new facilities would not adversely impact existing facilities.

LOCATION OF THE PROJECT: This project is located on South Beaver Street and South Leroux Street in Flagstaff, AZ.

PROJECT OWNER, POINT OF CONTACT AND PHONE NUMBER: The owner of the project is City of Flagstaff, Randy Groth, Senior Project Manager, (928) 213-2683

SIZE, SCHEDULE, BUDGET AND COMPLEXITY: 7 Blocks
Design Cost \$250,000, Construction Cost \$2.4 million

Key Issues: Constructability review of project in very tight working conditions with heavy pedestrian and student traffic.



#### ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO: ADSPO15-00004729

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.)

Woodson Engineering and Surveying, Inc. is a multi-disciplinary firm in Flagstaff, Arizona, engaged in land surveying, land planning, and civil engineering. We realize that service to our clients is our most important marketing tool. Service, along with the knowledge and experience of our personnel and the state-of-the-art equipment that is available to our personnel, leads to the successful completion of quality projects. Woodson Engineering is unique in its ability to successfully work with both private developers and public agency clients, and can handle a broad range of projects. Since 1994, the objective of Woodson Engineering has been to provide quality surveying, planning and civil engineering services to our clients. This is accomplished because of our commitment to excellence.

#### SERVICES

- Surveying Boundary and cadastral surveys, right-of-way surveys, subdivision layouts, parcel splits, topographic surveys, asbuilt surveys, ALTA surveys, construction staking.
- Feasibility Studies, Preliminary Planning, Land Use and Master Plans -Investigation of development potential and costs, preliminary development plans or alignment studies, improvement district development, project scoping, development master plans and land use planning.
- Site Development Residential, institutional, commercial and industrial developments ranging from single building site plans to large developments.
- Right-of-way Services Alignment studies, surveys, and mapping, negotiations for property acquisitions, research property ownership and easements, write legal descriptions, recording of documents, and final property staking.
- Infrastructure Studies and Design Water, sewer, drainage, roadway, facility and airport studies and designs for individual residences and site plans, subdivision, or large municipal systems.
- Drainage and Flood Control From permitting to local storm drains and detention basins to major flood control studies and projects including floodplain studies.
- Construction Contract Administration Cost estimating, specifications, bidding assistance, and overall construction administration.
- Government Engineering On-Call Services Services such as plan review, planning and programming of capital improvement plans, and other contract government engineering services.

#### 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:	70
b.	Percentage of Total Work Attributable to Non-Government Work:	30

a.	Percentage of Total Work Attributable to State, Federal and Municipal Government Work:	70		
b.	Percentage of Total Work Attributable to Non-Government Work:	30		
8. Signa	AUTHORIZED REPRESENTATIVE. The foregoing			December 30, 2014
Nam	e: <u>Jeff Swan</u>	Tit	tle: _	Senior Project Manager
				Page 6 of 6 Fa