



# Offer and Acceptance

State of Arizona  
State Procurement Office

100 N. 15<sup>th</sup> Ave. Suite 201  
Phoenix, AZ 85007

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

PAGE  
1

Offeror: JE Fuller Hydrology and Geomorphology, Inc.

OF  
1

## OFFER

### TO THE STATE OF ARIZONA:

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

JE Fuller Hydrology and Geomorphology, Inc.  
Company Name

8400 S. Kyrene Road, Suite 201  
Address

Tempe AZ 85284  
City State Zip

annette@jefuller.com  
Contact Email Address

Signature of Person Authorized to Sign Offer

Brian Isertman  
Printed Name

Vice President  
Title

Phone: 480-952-2124 X213

Fax: 480-839-2193

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

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

## ACCEPTANCE OF OFFER

The Offer is hereby accepted.

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

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

The effective date of the Contract is March 1, 2016

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

State of Arizona  
Awarded this 29 day of February 2016

Procurement Officer



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

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

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

1. **Annual Request for Qualifications**

a. FIRM (OR BRANCH OFFICE ) NAME:	JE Fuller/Hydrology and Geomorphology, Inc.
b. FIRM (OR BRANCH OFFICE) STREET:	323 N. San Francisco St., Suite 100
c. FIRM (OR BRANCH OFFICE) CITY:	Flagstaff
d. FIRM (OR BRANCH OFFICE) STATE:	Arizona
e. FIRM (OR BRANCH OFFICE) ZIP CODE:	86001

f. YEAR ESTABLISHED:	2006
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(g1). OWNERSHIP - TYPE:	Corporation
(g2) OWNERSHIP - SMALL BUSINESS STATUS:	Small Business

h. POINT OF CONTACT NAME AND TITLE:	Cory Helton
i. POINT OF CONTACT TELEPHONE NUMBER:	928-214-0887
j. POINT OF CONTACT E-MAIL ADDRESS:	cory@jefuller.com

k. NAME OF FIRM (If block 1a is a branch office):	JE Fuller/Hydrology & Geomorphology, Inc.
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**ATTACHMENT I – General Qualifications**  
**ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:**  
**ADSPO16-00005912**

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**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. NAME  Cory Helton	b. ROLE IN THIS CONTRACT  Hydrologist/Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 13	2. WITH CURRENT FIRM 11
d. LOCATION <i>(City and State)</i> Flagstaff, AZ			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i>  M.S. Environmental Engineer		f. PROFESSIONAL TRAINING - REGISTRATIONS  P.E. Lic. # 55177	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i>  Arizona Floodplain Management Association, Arizona Riparian Council			

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION <i>(City and State)</i> Fort Valley Initial Engineering Assessment Flagstaff, Arizona	(2) YEAR COMPLETED 2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  2-D hydraulic modeling and accommodating hydrology for potential capital improvement projects over a 30 sq. mile watershed ultimately contributing to the Rio de Flag. The cost was \$100,000.	Professional Services Engineering <input checked="" type="checkbox"/> Check if project performed with current firm
2.	(1) TITLE AND LOCATION <i>(City and State)</i> Offenhouser Watershed Monitoring Design and Install Flagstaff, AZ	(2) YEAR COMPLETED 2014
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  Designing, purchasing, coordinating, permitting, and installing an ALERT rain measuring station on the eastern slopes of Mt. Elden. The costs was \$10,000.	Professional Services Hydrologist <input checked="" type="checkbox"/> Check if project performed with current firm
3.	(1) TITLE AND LOCATION <i>(City and State)</i> Sycamore Hydrology and Hydraulic Study Kingman, Arizona	(2) YEAR COMPLETED 2014
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  2-D hydraulic modeling and accommodating hydrology for capital improvement projects over a 5 sq. mile watershed ultimately contributing to the Mohave Channel. The cost was \$15,000.	Professional Services Engineering <input checked="" type="checkbox"/> Check if project performed with current firm
4.	(1) TITLE AND LOCATION <i>(City and State)</i> Navajo County Wide Maintenance Holbrook/Show Low, AZ	(2) YEAR COMPLETED 2014
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  Station maintenance, base station maintenance, website design, data acquisition, and data summaries for 30 ALERT stations located throughout Navajo County. The cost was \$30,000	Professional Services Hydrologist <input checked="" type="checkbox"/> Check if project performed with current firm
5.	(1) TITLE AND LOCATION <i>(City and State)</i> Sacramento Wash at Needle Mountain Rating Curve Needle Mountain, AZ	(2) YEAR COMPLETED 2014
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  Hydraulic model correlating the stage to a discharge at an ALERT station, downstream road crossing, upstream railroad crossing, and estimated travel times of flows. The cost was \$10,000.	Professional Services Engineer <input checked="" type="checkbox"/> Check if project performed with current firm



ATTACHMENT I – General Qualifications

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Phoenix, Arizona 85007

7. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

a. Percentage of Total Work Attributable to State, Federal and Municipal Government Work:	95
b. Percentage of Total Work Attributable to Non-Government Work:	5

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

Signature: Brian R. Iserman

Date: 12/17/15

Name: Brian R. Iserman

Title: Vice President



ATTACHMENT I – General Qualifications  
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(If a firm has branch offices, complete for each specific branch office seeking work.)

1. **Annual Request for Qualifications**

a. FIRM (OR BRANCH OFFICE ) NAME:	JE Fuller/Hydrology and Geomorphology, Inc.
b. FIRM (OR BRANCH OFFICE) STREET:	1 West Deer Valley Road, Suite 101
c. FIRM (OR BRANCH OFFICE) CITY:	Phoenix
d. FIRM (OR BRANCH OFFICE) STATE:	Arizona
e. FIRM (OR BRANCH OFFICE) ZIP CODE:	85027

f. YEAR ESTABLISHED:	2007
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(g1). OWNERSHIP - TYPE:	Corporation
(g2) OWNERSHIP - SMALL BUSINESS STATUS:	Small Business

h. POINT OF CONTACT NAME AND TITLE:	Jon Ahern, Vice President
i. POINT OF CONTACT TELEPHONE NUMBER:	623-889-0166 x306
j. POINT OF CONTACT E-MAIL ADDRESS:	jon.ahern@jefuller.com

k. NAME OF FIRM (If block 1a is a branch office):	JE Fuller/Hydrology and Geomorphology, Inc.
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**2. EMPLOYEES BY DISCIPLINE**

a. Discipline Title	b. Function: Primary (P) or Secondary (S)	c. No. of Employees - Firm	d. No. of Employees - Branch
Civil Engineer	P	17	2
Environmental Engineer	S	1	0
Geologist	P	1	0
Geologist	S	1	0
Hydrographic Surveyor	P	1	0
Hydrologist	P	4	0
Hydrologist	S	3	1
Project Manager	S	15	1
Technician/Analyst	S	2	0
Water Resources Engineer	S	1	0
<b>Total</b>		46	4



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

a. Approximate No. of Projects	b. Experience	c. Revenue Index Number <i>(see below)</i>
3	Area Master Planning	2
0	Bridges	0
3	Dams	2
0	Environmental Impact Studies; Assessments	0
6	Rivers; Canals; Waterways; Flood Control	3
7	Surveying; Platting; Mapping; Flood Plain Studies	3
0	Water Resources; Hydrology; Ground Water	0

**PROFESSIONAL SERVICES REVENUE INDEX NUMBER**

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



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

a. NAME  Jon Ahern	b. ROLE IN THIS CONTRACT  Project Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 20	2. WITH CURRENT FIRM 8
d. LOCATION ( <i>City and State</i> )  Phoenix, Arizona			
e. EDUCATION ( <i>DEGREE AND SPECIALIZATION</i> ) Bachelor of Science, Geoscience Bachelor of Science, Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS  Arizona, Engineering/Civil (34141)	
g. OTHER PROFESSIONAL QUALIFICATIONS ( <i>Organizations, Awards, etc.</i> )  Certified Floodplain Manager (CFM), Association of State Floodplain Managers Certificate US-04-01047			

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION ( <i>City and State</i> ) Local Levee Partnership Team and Levee Mapping Plan for Willow Creek Levee Prescott, Arizona	(2) YEAR COMPLETED 2015
		Professional Services Construction (if applicable) Planning
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE JE Fuller facilitated a collaborative engagement with local stakeholders, including a smaller group called the Local Levee Partnership Team (LLPT), JE Fuller guided the process and assisted FEMA with (1) acquiring and evaluating appropriate information and data; and (2) identifying appropriate technical analysis procedures. JE Fuller prepare and submit to the City and LLPT members a summary report (Levee Mapping Plan) outlining the process procedures, meeting discussion, agenda, presentation slides (as requested), and meeting notes. Role: Project Manager	<input checked="" type="checkbox"/> Check if project performed with current firm
2.	(1) TITLE AND LOCATION ( <i>City and State</i> ) Highway Drainage Design Manual - Hydraulics for Arizona Department of Transportation, AZ	(2) YEAR COMPLETED 2015
		Professional Services Construction (if applicable) Planning
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE JE Fuller provided a team of professionals with exceptional knowledge in Hydraulics and Drainage Engineering to provide services for a complete revision to the current ADOT Highway Drainage Design Manual - Hydraulics. The process included a thorough literature review of the existing hydraulic manual published by other state DOTs, and updating the manual to align with the current ADOT specifications, construction details and other manuals published by ADOT. Role: Contributing Author	<input checked="" type="checkbox"/> Check if project performed with current firm
3.	(1) TITLE AND LOCATION ( <i>City and State</i> ) Mohave Valley Risk MAP Project, Phase II Mohave County, Arizona	(2) YEAR COMPLETED 2015
		Professional Services Construction (if applicable) Planning
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE The Phase II Project entailed the re-delineation, using FLO2D, of approximately 19.0 square miles of FEMA-effective Zone A floodplain. Of this 19.0 square miles, approximately 6.1 square miles will be restudied and remapped as Zone A (Basic Study) and approximately 12.9 square miles will be restudied an remapped as Zone AO, AH and/or AE. Role: Project Manager	<input checked="" type="checkbox"/> Check if project performed with current firm
4.	(1) TITLE AND LOCATION ( <i>City and State</i> ) Reata Wash Flood Control Improvement Study Scottsdale, Arizona	(2) YEAR COMPLETED Expected 2016
		Professional Services Construction (if applicable) Planning



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

Check if project performed with current firm

The Reata Wash Flood Control Improvement Study represents the final phase of an alluvial fan stormwater interception and conveyance channel system. The project originates at the alluvial fan apex just south of Pinnacle Peak Road and extends downstream to the Central Arizona Project (CAP) canal. Hydrologic and hydraulic studies of the drainage area have been performed, multiple drainage elements in multiple channel reaches have been constructed as part of private development, and the City has acquired some of the right-of-way based on prior designs. The scope of this project includes analyzing the capacity and condition of the existing drainage channel reaches, and developing a drainage improvement project which would complete the project from the flow intake at the apex to its discharge at the CAP canal. Role: Project Manager

(1) TITLE AND LOCATION (City and State)  
Willow Creek and Tributary Restudy  
Prescott, Arizona

(2) YEAR COMPLETED 2015

Professional Services	Construction (if applicable)
Planning	

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

Check if project performed with current firm

5.

JE Fuller completed a hydraulic and floodplain delineation study for Willow Creek (including Willow Creek Levee) and Willow Creek Tributary. The objective was to review and modify existing hydraulic models and submit to FEMA for review. In addition, hydraulic modeling scenarios were prepared in accordance with the Draft Federal Emergency Management Agency (FEMA) LAMP Guidelines. Hydraulic modeling were based on revised 100- and 500-year peak discharge. HEC-RAS hydraulic analyses and floodplain modeling results were reviewed and approved by the City. JE Fuller coordinated with FEMA throughout the mapping process. Role: Project Manager

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:	90%
b. Percentage of Total Work Attributable to Non-Government Work:	10%

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

Signature: Brian R. Iserman

Date: 12/17/15

Name: Brian R. Iserman

Title: Vice President



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STATE PROCUREMENT OFFICE  
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Phoenix, Arizona 85007

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

1. **Annual Request for Qualifications**

a. FIRM (OR BRANCH OFFICE ) NAME:	JE Fuller/Hydrology and Geomorphology, Inc.
b. FIRM (OR BRANCH OFFICE) STREET:	1042 Willow Creek Road – A101 #415
c. FIRM (OR BRANCH OFFICE) CITY:	Prescott
d. FIRM (OR BRANCH OFFICE) STATE:	Arizona
e. FIRM (OR BRANCH OFFICE) ZIP CODE:	86301

f. YEAR ESTABLISHED:	2013
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(g1). OWNERSHIP - TYPE:	Corporation
(g2) OWNERSHIP - SMALL BUSINESS STATUS:	Small Business

h. POINT OF CONTACT NAME AND TITLE:	Nate Vaughan
i. POINT OF CONTACT TELEPHONE NUMBER:	928-640-0778
j. POINT OF CONTACT E-MAIL ADDRESS:	nate@jefuller.com

k. NAME OF FIRM (If block 1a is a branch office):	JE Fuller/Hydrology and Geomorphology, Inc.
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**ADSP016-00005912**

**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. NAME Nathanael Vaughan	b. ROLE IN THIS CONTRACT Project Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 13	2. WITH CURRENT FIRM 9
d. LOCATION ( <i>City and State</i> ) Prescott, Arizona			
e. EDUCATION ( <i>DEGREE AND SPECIALIZATION</i> ) Bachelor of Science, Civil Engineering Master of Science, Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS Arizona, Engineering/Civil (48058)	
g. OTHER PROFESSIONAL QUALIFICATIONS ( <i>Organizations, Awards, etc.</i> )			

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION ( <i>City and State</i> ) North Ranch Culvert Outlet Construction Inspection (Congress, Arizona)	(2) YEAR COMPLETED 2014	Professional Services Post-Design Services	Construction (if applicable) Yes
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE JEF Fuller designed and subsequently provide construction inspection services for gabion outlet protection and concrete aprons for two multi-barrel culvert crossings at the Escapees at North Ranch RV Role: On-Site Inspector		<input checked="" type="checkbox"/> Check if project performed with current firm	
2.	(1) TITLE AND LOCATION ( <i>City and State</i> ) Flooding, Rainfall, and Engineering Data (Mohave County, AZ)	(2) YEAR COMPLETED 2014	Professional Services Planning	Construction (if applicable)
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE JE Fuller developed a GIS system for the Mohave County Flood Control District to facilitate sharing data with partner communities, consultants, and the general public. Specific data incorporated includes infrastructure metadata and inspections, FEMA floodplain data, elevation certifications, study metadata, hydraulic study results, hydrologic study results, elevation data, and ALERT gage data. The project included the development of a series of thematic web viewers to facilitate interaction with the data. Role: Project Manager and Project Engineer		<input checked="" type="checkbox"/> Check if project performed with current firm	
3.	(1) TITLE AND LOCATION ( <i>City and State</i> ) Highway Drainage Design Manual – Hydraulics for Arizona Department of Transportation, AZ	(2) YEAR COMPLETED Expected 2015	Professional Services Planning	Construction (if applicable)
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE JE Fuller provided a team of professionals with exceptional knowledge in Hydraulic and Drainage Engineering to provide services for a complete revision to the current ADOT High Drainage Design Manual – Hydraulics. The process included a thorough literature review of the existing hydraulic manual published by other state DOTs, and updating the manual to align with the current ADOT specifications, construction detail and other manuals published by ADOT. Role: Contributing Author		<input checked="" type="checkbox"/> Check if project performed with current firm	
4.	(1) TITLE AND LOCATION ( <i>City and State</i> ) Yavapai County Decision Support System (Yavapai County, AZ)	(2) YEAR COMPLETED 2013	Professional Services Planning	Construction (if applicable)
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE JE Fuller developed a decision support system comprised of ALERT gage data, weather information, flood forecasts, and hydraulic modeling to assist first responders within Yavapai County to better and more appropriately respond to weather-related hazards within the County. Specific project elements included flood inundation, depth, and velocity forecasts for 6 and 12 hour periods for Black Canyon City. Role: Project Engineer		<input checked="" type="checkbox"/> Check if project performed with current firm	
5.	(1) TITLE AND LOCATION ( <i>City and State</i> ) Sonoqui Wash Phase IIIB Post-Design Services (Queen Creek, AZ)	(2) YEAR COMPLETED 2014	Professional Services Design	Construction (if applicable)



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

Check if project performed with current firm

JE Fuller provided post-design services for the Sonoqui Wash Phase IIIB project which consists of a large detention basin and approximately 1,500 lf of 84" storm drain which outfalls into an intermediate channel before reaching the Sonoqui Wash Phase II channel. The project involved coordinating primary access to multiple homes and coordinating the design to allow for intermediate access to homes while the 84" storm drain is constructed down an existing private roadway.

Role: Project Engineer

7. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

a.	Percentage of Total Work Attributable to State, Federal and Municipal Government Work:	95%
b.	Percentage of Total Work Attributable to Non-Government Work:	5%

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

Signature: Brian R. Iserman

Date: 12/17/15

Name: Brian R. Iserman

Title: Vice President



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

1. **Annual Request for Qualifications**

a. FIRM (OR BRANCH OFFICE ) NAME:	JE Fuller/Hydrology and Geomorphology, Inc.
b. FIRM (OR BRANCH OFFICE) STREET:	8400 S. Kyrene Road, Suite 201
c. FIRM (OR BRANCH OFFICE) CITY:	Tempe
d. FIRM (OR BRANCH OFFICE) STATE:	Arizona
e. FIRM (OR BRANCH OFFICE) ZIP CODE:	85284

f. YEAR ESTABLISHED:	1995
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(g1). OWNERSHIP - TYPE:	Corporation
(g2) OWNERSHIP - SMALL BUSINESS STATUS:	Small Business

h. POINT OF CONTACT NAME AND TITLE:	Brian Iserman, Vice President
i. POINT OF CONTACT TELEPHONE NUMBER:	480-752-2124 x213
j. POINT OF CONTACT E-MAIL ADDRESS:	brian@jefuller.com

k. NAME OF FIRM (If block 1a is a branch office):	
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**3. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST YEAR**

a. Approximate No. of Projects	b. Experience	c. Revenue Index Number <i>(see below)</i>
8	Area Master Planning	4
2	Bridges	1
14	Dams	4
3	Environmental Impact Studies; Assessments	1
52	Rivers; Canals; Waterways; Flood Control	3
8	Surveying; Platting; Mapping; Flood Plain Studies	1
10	Water Resources; Hydrology; Ground Water	2
4	Hydrographic Surveying	2

**PROFESSIONAL SERVICES REVENUE INDEX NUMBER**

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



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

a. NAME  Brian Iserman	b. ROLE IN THIS CONTRACT  Project Manager	c. YEARS EXPERIENCE	
		1. TOTAL 29	2. WITH CURRENT FIRM 19
d. LOCATION <i>(City and State)</i> JE Fuller/Hydrology and Geomorphology, Inc., Tempe, Arizona			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Bachelor of Science, Hydrology		f. PROFESSIONAL TRAINING - REGISTRATIONS Arizona, Engineer/Civil (29325)	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i>  Certified Floodplain Manager (CFM), Association of State Floodplain Managers Certificate US-07-03105 National Hydrologic Warning Council, Editor National Hydrologic Warning Council Outstanding Service Award, 2013 ALERT User's Group Outstanding Service Award, 2014			

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION <i>(City and State)</i> Pinal County ALERT 5-Year CIP Update	(2) YEAR COMPLETED 2014			
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  The purpose of this project was to provide the Pinal County Flood Control District with a 5-year plan for on-going maintenance, operation and development of the ALERT flood detection system owned and operated by the county. The plan will be used to create future scopes and budgets for these activities, provide the basis for budget requests and staffing needs, and provide a means of measuring project progress. JEF's fee for this project was \$25,000.	<table border="1"> <tr> <td>Professional Services Planning, Flood Warning Systems</td> <td>Construction (if applicable)</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Check if project performed with current firm</td> </tr> </table>	Professional Services Planning, Flood Warning Systems	Construction (if applicable)	<input checked="" type="checkbox"/>
Professional Services Planning, Flood Warning Systems	Construction (if applicable)				
<input checked="" type="checkbox"/>	Check if project performed with current firm				
2.	(1) TITLE AND LOCATION <i>(City and State)</i> DataWise Pima County ALERT Services for 2015	(2) YEAR COMPLETED 2015			
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  JEF provided the following services related to a major overhaul of Pima Counties ALERT Base Station: <ul style="list-style-type: none"> <li>Coordinated installation and configuration of updated DataWise v10 ALERT Base Station Software.</li> <li>Specified and setup new hardware.</li> <li>Developed/integrated new web pages.</li> <li>Software training and support services.</li> </ul> JEF's fee was \$36,500.	<table border="1"> <tr> <td>Professional Services Flood Warning Systems</td> <td>Construction (if applicable)</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Check if project performed with current firm</td> </tr> </table>	Professional Services Flood Warning Systems	Construction (if applicable)	<input checked="" type="checkbox"/>
Professional Services Flood Warning Systems	Construction (if applicable)				
<input checked="" type="checkbox"/>	Check if project performed with current firm				
3.	(1) TITLE AND LOCATION <i>(City and State)</i> Arizona Game and Fish Department Silver Creek Fish Hatchery Automated Data Collection System Design/Build	(2) YEAR COMPLETED 2015			
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  JEF designed and built an automated data collection system to monitor stream/pond stage and flow for 3 separate locations at the Silver Creek Fish Hatchery. JEF integrated	<table border="1"> <tr> <td>Professional Services Hydrology, Flood Warning Systems</td> <td>Construction (if applicable) Yes</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Check if project performed with current firm</td> </tr> </table>	Professional Services Hydrology, Flood Warning Systems	Construction (if applicable) Yes	<input checked="" type="checkbox"/>
Professional Services Hydrology, Flood Warning Systems	Construction (if applicable) Yes				
<input checked="" type="checkbox"/>	Check if project performed with current firm				



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<p>the data telemetry feed into the agency’s existing ALERT flood warning infrastructure. The work included removing and replacing 3 weirs, installation of sensor stations and development of an interactive website from which the real-time data can be viewed. The website is located at <a href="http://jefullerdata.com/AGFD/SilverCreek/">http://jefullerdata.com/AGFD/SilverCreek/</a>. JEF’s fee was \$41,000</p>					
4.	(1) TITLE AND LOCATION ( <i>City and State</i> )	(2) YEAR COMPLETED 2015			
	Arizona Game and Fish Department, Lynx Lake Dam Inundation Study	<table border="1"> <tr> <td>Professional Services</td> <td>Construction (if applicable)</td> </tr> <tr> <td>Dams</td> <td></td> </tr> </table>	Professional Services	Construction (if applicable)	Dams
Professional Services	Construction (if applicable)				
Dams					
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm			
	<p>The purpose of this project was to create a more detailed dam inundation map (with shape files) for use by the Arizona Game and Fish Department (AGFD) to communicate flood risk associated with Lynx Lake dam to federal, state and local agencies with floodplain management and development regulatory responsibilities. JEF’s fee was \$15,000</p>				
5.	(1) TITLE AND LOCATION ( <i>City and State</i> )	(2) YEAR COMPLETED 2015			
	Arizona Department of Water Resources ALERT Stream Gauge Design and Install, 2015	<table border="1"> <tr> <td>Professional Services</td> <td>Construction (if applicable)</td> </tr> <tr> <td>Bridges, Flood Warning Systems</td> <td>Yes</td> </tr> </table>	Professional Services	Construction (if applicable)	Bridges, Flood Warning Systems
Professional Services	Construction (if applicable)				
Bridges, Flood Warning Systems	Yes				
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm			
	<p>JEF designed and Installed a new automated stream gauge/precipitation data collection station at the Palo Parado Bridge crossing of the Santa Cruz River for the Arizona Department of Water Resources, in cooperation with the Santa Cruz County Flood Control District and the Arizona Department of Transportation. The work involved designing the system, including integration of the telemetry into the Arizona Statewide Flood Warning System, specifying equipment, purchasing the equipment, securing permits and installing the station. JEF’s fee was \$18,000.</p>				



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

a. NAME  Jeffrey A. Despain	b. ROLE IN THIS CONTRACT  Project Manager	c. YEARS EXPERIENCE	
		1. TOTAL 21	2. WITH CURRENT FIRM 13
d. LOCATION (City and State) JE Fuller/Hydrology and Geomorphology, Inc., Tempe, Arizona			
e. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Science, Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS Arizona, Engineer/Civil (32833)	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.)  Certified Floodplain Manager (CFM), Association of State Floodplain Managers Certificate US-07-03059			

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION (City and State) Yavapai County Bridge Scour Evaluation/Montezuma Avenue Bridge Construction Management	(2) YEAR COMPLETED 2013
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE JEF evaluated the Old Black Canyon Highway Bridge and the Montezuma Avenue Bridge for scour and structural integrity. JEF performed scour analysis, and performed alternative analysis for these two scour prone bridges. JEF then recommended a final alternative which included full construction documents for the Montezuma Avenue Bridge Scour Floor. JEF Then provided Construction Management for construction of the Scour Floor. JEF's fee was approximately \$25,000	Professional Services Bridges
		Construction (if applicable) 2013
		<input checked="" type="checkbox"/> Check if project performed with current firm
2.	(1) TITLE AND LOCATION (City and State) Yavapai County Flood Control District Cordes Lakes Floodplain Delineation Study	(2) YEAR COMPLETED 2012
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE JEF performed a Floodplain Delineation Study for Cordes Lakes. This work included data collection, field reconnaissance, survey, hydrologic compilation, corridor hydraulics, technical data notebook (TDN), and FEMA submittal and addressing of comments. JEF's fee was approximately \$50,000.	Professional Services Floodplain Studies, Hydrology
		Construction (if applicable)
		<input checked="" type="checkbox"/> Check if project performed with current firm
3.	(1) TITLE AND LOCATION (City and State) Yavapai County Flood Control District Agua Fria Non-Regulatory Products around Black Canyon City, Yavapai County, Arizona	(2) YEAR COMPLETED 2013
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE JEF utilized existing models, and established new models to provide the necessary deliverables for conformance to the draft FEMA Guidelines and Standards for Flood Risk Analysis and Mapping. These deliverables include water surface elevation contours, inundation limits, percent 30-year chance grid, depth grid (10%, 4%, 2%, 1%, and 0.2%), depth times velocity grid (10%, 4%, 2%, 1%, and 0.2%), depth times velocity squared grid (10%, 4%, 2%, 1%, and 0.2%), percent annual grid, velocity grid (10%, 4%, 2%, 1%, and 0.2%), and water surface elevation (10%, 4%, 2%, 1%, and 0.2%). JEF's fee was approximately \$20,000	Professional Services Floodplain Studies
		Construction (if applicable)
		<input checked="" type="checkbox"/> Check if project performed with current firm
4.	(1) TITLE AND LOCATION (City and State) Arizona Game and Fish Department, Lynx Lake Principal Outlet Valve Replacement Yavapai County, Arizona (near Prescott, Arizona)	(2) YEAR COMPLETED 2012
		Professional Services Dams
		Construction (if applicable)



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(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	<p>JEF performed a site visit with divers to clean and remove the old valve gate and inspect the valve for the purpose of design and replacement of the valve at Lynx Lake. JEF then deployed a pipe plug into the principal outlet (PO) of Lynx Lake Dam. Once the dam's PO was plugged, the old valve was removed and a new valve was installed. The new valve required an extension to be constructed in the field that would allow the new valve to fit onto the opening. Once the valve was in place the area around the valve was sealed so that it would not leak. JEF also pulled the old valve actuator stem in preparation for placing the new hydraulic lines and ram. JEF also constructed the foundation for the new actuator house. JEF then installed the new hydraulic actuator to the valve and completed the actuator housing. The approximate fee for this work was \$58,000</p>	
(1) TITLE AND LOCATION ( <i>City and State</i> )	(2) YEAR COMPLETED 2013	
	Professional Services	Construction (if applicable)
<p>Arizona Game and Fish Department, Willow Springs Principal Outlet Inspection and Repair Coconino County, Arizona (near Forest Lakes, Arizona)</p>	Dams	
	<input checked="" type="checkbox"/> Check if project performed with current firm	
5.	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE	
<p>JEF contracted divers to inspect and remove the hydraulic actuators in Willow Springs Lake. The two actuators were refurbished and reinstalled and made operational. JEF inspected the existing valves and performed minor hydraulic repairs to the supply lines. JEF assessed the leaks in the system and provided alternatives for fixing the valve leaks. The approximate fee for this work was \$45,000</p>		



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

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

a. TITLE AND LOCATION <i>(City and State)</i>  Highway Drainage Design Manual - Hydrology for Arizona Department of Transportation (ADOT), AZ	b. YEAR COMPLETED 2013	
	PROFESSIONAL SERVICES Standards, Ordinances, Drainage Design, Hydrologic Modeling, Planning	CONSTRUCTION <i>(If applicable)</i>

**23. PROJECT OWNER'S INFORMATION**

c. PROJECT OWNER  ADOT	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT  \$175,000	e. TOTAL COST OF PROJECT  \$175,000
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

JE Fuller was selected by the Arizona Department of Transportation (ADOT) to update its Highway Drainage Design Manual, Hydrology. This was the first update since the manual was released in 1993. ADOT's goal was to update, refine, and improve the methods for estimating storm water runoff in order to produce better runoff values for optimizing drainage designs, thereby improving safety and operational characteristics of the roadways in the state. The project included an assessment of the existing manual which included recommendations for new practical methods and procedures to make the manual more user-friendly and to take advantage of technological advancements since 1993 such as GIS tools and two-dimensional flow modeling. Key improvements included incorporating newer rainfall data from NOAA 14, improved methods for computing Green-Ampt infiltration loss parameters, migration from HEC-1 to HEC-HMS computer program, and provision for use of FLO-2D where appropriate. ADOT appointed a review committee to participate in a series of workshops to discuss and approve potential manual updates. In addition to the manual update, JE Fuller developed GIS tools and datasets to aid in implementation of the hydrologic methods. Tools included a Rational Method calculator and a Rainfall averaging tool that utilizes NOAA rainfall data to compute basin wide average rainfall depths. The project duration was approximately 18 months.

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

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

a. TITLE AND LOCATION <i>(City and State)</i>  2011 Arizona Fire Season Support Services, Apache County, Greenlee County, Cochise County, Santa Cruz County	b. YEAR COMPLETED 2011	
	PROFESSIONAL SERVICES Flood Control, Hydrology, Flood Warning	CONSTRUCTION <i>(If applicable)</i> 2011

**23. PROJECT OWNER'S INFORMATION**

c. PROJECT OWNER  ADWR	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT  \$45,000	e. TOTAL COST OF PROJECT  \$45,000
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

JEF installed 11 new ALERT flood warning sensor stations in 4 separate areas impacted by Arizona forest fires in 2011. The fires included the Wallow, Horseshoe II, Monument and Murphy Complex. The work included coordination with multiple local, state and federal agencies, securing permits, collecting and setting up the equipment, setting up the ADWR base station with



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station meta-data and alarm thresholds/actions and building 4 web-based data map displays including [Wallow](#), [Horseshoe II](#), [Monument](#) and [Murphy](#) for use by NWS forecasters and emergency response personnel.

The work included coordination with the Burned Area Emergency Rehabilitation (BAER) teams to establish the gauge locations, data telemetry routes, base station configurations and to coordinate entry into the burned forest areas. Finally, the installation work was coordinated with the local cooperating agencies, which included the local flood control districts, the Arizona Department of Water Resources and the U.S., Forest Service.

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

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

a. TITLE AND LOCATION <i>(City and State)</i>  Mohave Valley Risk Map	b. YEAR COMPLETED 2011	
	PROFESSIONAL SERVICES Flood Control, Hydrology, Hydraulics, Planning	CONSTRUCTION <i>(If applicable)</i> 2013

**23. PROJECT OWNER'S INFORMATION**

c. PROJECT OWNER  Mohave County Flood Control Dist.	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT  \$500,000	e. TOTAL COST OF PROJECT  \$500,000
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

Within the Mohave Valley area, several delineated FEMA floodplains did not accurately reflect the flood hazards at the time of the project; therefore, using FEMA CTP grant funding, the Mohave County Flood Control District (District) approved the Mohave Valley Risk MAP Project (Risk MAP Project), which included the following two primary objectives that were accomplished by JEF:

- Physical Map Revision (PMR).** Using recent aerial topography and updated hydrologic and hydraulic analyses (two-dimensional modeling/FLO-2D), the Risk MAP Project entailed restudy and remapping of the FEMA delineated floodplains located within the northern portion of Mohave Valley. Revised floodplain delineations were submitted to FEMA for revision of applicable Digital Flood Insurance Rate Maps.
- Generation of Flood Depth Grids for Preparation of Future Risk MAP Products.** Two-dimensional hydrologic and hydraulic analyses were completed for the 10-, 25-, 50-, 100- and 500-year, 6- and 24-hour storms. Two-dimensional modeling output for these storm events (flow depth, velocity and magnitude) was generated in flood depth grid format, which is the base data format used by FEMA for developing Flood Hazard Risk MAP products. Flood depth grids generated for this study were submitted to FEMA for development of future Mohave Valley Flood Hazard Risk MAP products.

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

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

a. TITLE AND LOCATION <i>(City and State)</i>  Arizona Game and Fish Department, Lynx Lake Principal Outlet Valve Replacement, Yavapai County, Arizona (near Prescott, Arizona)	b. YEAR COMPLETED 2012	
	PROFESSIONAL SERVICES Dams	CONSTRUCTION <i>(If applicable)</i> 2012

**23. PROJECT OWNER'S INFORMATION**



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c .PROJECT OWNER Arizona Game and Fish Department	d .ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$58,000	e. TOTAL COST OF PROJECT \$58,000
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

JEF performed a site visit with divers to clean and remove the old valve gate and inspect the valve for the purpose of design and replacement of the valve at Lynx Lake. JEF then deployed a pipe plug into the principal outlet of Lynx Lake Dam. Once the dam was plugged, the old valve was removed and a new valve was provided and installed. The new valve required an extension to be constructed in the field by JEF staff that would allow the new valve to fit onto the opening. Once the valve was in place the area around the valve was sealed so that it would not leak. JEF also pulled the old valve stem in preparation for placing the new hydraulic lines and ram. JEF also constructed the foundation for the new actuator house. JEF then installed the new hydraulic actuator to the valve and completed the actuator housing.

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

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

a. TITLE AND LOCATION <i>(City and State)</i> Arizona Department of Emergency Management – Local MHMP Updates M10-0010, Apache, Gila, Greenlee, Navajo, Santa Cruz and Yavapai Counties, Arizona	b. YEAR COMPLETED 2012	
	PROFESSIONAL SERVICES Planning, Emergency Management	CONSTRUCTION <i>(If applicable)</i> 2011

**23. PROJECT OWNER'S INFORMATION**

c .PROJECT OWNER ADEM	d .ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$220,000	e. TOTAL COST OF PROJECT \$220,000
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

The Arizona Division of Emergency Management (ADEM) hired JEF to assist Apache, Gila, Greenlee, Navajo, Santa Cruz, and Yavapai Counties; all incorporated communities within those counties; and the Yavapai-Prescott Indian Tribe in preparing the 5 year updated multi-hazard mitigation plans that address the requirements set forth by Congress in the Disaster Mitigation Act of 2000. JEF lead the planning effort for each county, respective community, and Tribe using a multi-jurisdictional planning process to develop the public involvement, planning process, risk assessment, mitigation strategy, and maintenance and evaluation elements of each plan, and documented the results in a multi-jurisdictional plan document.



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6. ADDITIONAL INFORMATION

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

Since 1995, JE Fuller/ Hydrology & Geomorphology, Inc. (JEF) has been recognized throughout Arizona as a leader in drainage and flood control related civil engineering.

Collectively, our engineers and technicians have more than 350 years of combined Civil Engineering experience with expertise in the fields of:

- Drainage Infrastructure Design and Master Planning,
- Hydrologic and Hydraulic Modeling,
- Dam Safety,
- Floodplain Management and Planning,
- Transportation Drainage,
- Applied Fluvial Geomorphology, and
- ALERT/Flood Warning Systems.

Our firm's previous experience working with local and state agencies in Arizona brings a caliber of value and local expertise that is unparalleled. Our project teams are eager to exceed your expectations for quality, value, communication, and schedule. Additional information on our company and people can be found in our [downloadable brochure](#) located at [www.jefuller.com](http://www.jefuller.com)



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7. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

a. Percentage of Total Work Attributable to State, Federal and Municipal Government Work:	85%
b. Percentage of Total Work Attributable to Non-Government Work:	15%

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

Signature: Brian R. Iserman

Date: 12/17/15

Name: Brian R. Iserman

Title: Vice President



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

1. **Annual Request for Qualifications**

a. FIRM (OR BRANCH OFFICE ) NAME:	JE Fuller/Hydrology and Geomorphology, Inc.
b. FIRM (OR BRANCH OFFICE) STREET:	40 E. Helen Street
c. FIRM (OR BRANCH OFFICE) CITY:	Tucson
d. FIRM (OR BRANCH OFFICE) STATE:	Arizona
e. FIRM (OR BRANCH OFFICE) ZIP CODE:	85705

f. YEAR ESTABLISHED:	1998
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(g1). OWNERSHIP - TYPE:	Corporation
(g2) OWNERSHIP - SMALL BUSINESS STATUS:	Small Business

h. POINT OF CONTACT NAME AND TITLE:	John Wallace, President
i. POINT OF CONTACT TELEPHONE NUMBER:	520-623-3112
j. POINT OF CONTACT E-MAIL ADDRESS:	john@jefuller.com

k. NAME OF FIRM (If block 1a is a branch office):	JE Fuller/Hydrology and Geomorphology, Inc.
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**3. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST YEAR**

a. Approximate No. of Projects	b. Experience	c. Revenue Index Number <i>(see below)</i>
11	Area Master Planning	2
1	Bridges	1
1	Dams	1
0	Environmental Impact Studies; Assessments	0
4	Rivers; Canals; Waterways; Flood Control	2
8	Surveying; Platting; Mapping; Flood Plain Studies	2
21	Water Resources; Hydrology; Ground Water	2

**PROFESSIONAL SERVICES REVENUE INDEX NUMBER**

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



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

a. NAME John Wallace	b. ROLE IN THIS CONTRACT Project Manager	c. YEARS EXPERIENCE	
		1. TOTAL 32	2. WITH CURRENT FIRM 18
d. LOCATION ( <i>City and State</i> ) Tucson Arizona			
e. EDUCATION ( <i>DEGREE AND SPECIALIZATION</i> ) Bachelor of Science, Civil Engineering, University of Arizona Bachelor of Science, Business Admin., University of Connecticut		f. PROFESSIONAL TRAINING – REGISTRATIONS Arizona, Engineer/Civil (22922) New Mexico, Engineer/Civil (21490)	
g. OTHER PROFESSIONAL QUALIFICATIONS ( <i>Organizations, Awards, etc.</i> ) Certified Floodplain Manager (CFM), Association of State Floodplain Managers Certificate US-08-03384			

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION ( <i>City and State</i> ) Ruthrauff Basin Management Plan – Existing Conditions Analysis, Pima County, AZ	(2) YEAR COMPLETED 2015	Professional Services Floodplain Studies, Drainage Design	Construction (if applicable)
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE Existing conditions analysis of 7 square miles of highly urbanized area within Tucson. This project was prepared for Pima County Regional Flood Control District. John provided project expertise along with FLO-2D modeling.	<input checked="" type="checkbox"/>	Check if project performed with current firm	
2.	(1) TITLE AND LOCATION ( <i>City and State</i> ) Drainage Report for Wilmot Road, Sahuarita Rd. to I10, Pima County, AZ	(2) YEAR COMPLETED 2015	Professional Services Floodplain Studies, Drainage Design Roadway Drainage Design	Construction (if applicable)
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE JE Fuller provided drainage analysis and design recommendations for 7 miles of roadway within Pima County. The road is within a distributary sheet flooding area and constraints prevented the elevation of the road. JE Fuller worked with the roadway engineer to design low-flow crossings as over 30 locations.	<input checked="" type="checkbox"/>	Check if project performed with current firm	
3.	(1) TITLE AND LOCATION ( <i>City and State</i> ) Old Ina Road Flood Forensic Assessment, Pima County, AZ	(2) YEAR COMPLETED 2015	Professional Services Floodplain Studies, Forensic Analysis, Drainage Design	Construction (if applicable)
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE The Old Ina Road Flood Forensic Assessment is an evaluation of the conditions and impacts associated with flooding following a rainfall event in September 2014. JE Fuller assessed the conditions of an existing grate inlet structure which failed during the flood event and subsequently prepared 30% construction plans to improve the inlet. Pima County then took these plans and had their contractor finalize and construct.	<input checked="" type="checkbox"/>	Check if project performed with current firm	
4.	(1) TITLE AND LOCATION ( <i>City and State</i> ) WMG Green Infrastructure Analysis, Sierra Vista, AZ	(2) YEAR COMPLETED 2016	Professional Services Drainage Analysis, LID	Construction (if applicable)



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

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

Provided support to Watershed Management Group's efforts to have green infrastructure/low impact development written into Sierra Vista's development code for future growth. Used the City's HEC-HMS modeling to model surface depressions scattered throughout portions of the Charleston Wash watershed. Took the modeling efforts further to use EPA SWMM5 to model GI/LID features conceptualized for implementation into the Fry Townsite area of the City.

Check if project performed with current firm

(1) TITLE AND LOCATION (City and State)  
Bella Vista Recharge Investigation, Sierra Vista, AZ

(2) YEAR COMPLETED

Professional Services  
2016

Construction (if applicable)

5.

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  
Preliminary studies and investigations to assess the feasibility of constructing an aquifer recharge facility on the Bella Vista Ranches site.

Check if project performed with current firm

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

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

Signature: Brian R. Iserman

Date: 12/17/15

Name: Brian R. Iserman

Title: Vice President