

DEFINITIONS

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

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

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

Firm: Defined in ARS § 32-101(B.19.).

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

SPECIFIC INSTRUCTIONS:

1. Complete this form for each branch office seeking work under this RFQ.
 - a. – e. **Firm (or Branch Office) Name and Address.** Self-explanatory.
 - f. **Year Established.** Enter the year the firm (or branch office, if appropriate) was established under the current name.
 - g. **Ownership.**
 - (g1). *Type.* Enter the type of ownership or legal structure of the firm (sole proprietor, partnership, corporation, joint venture, etc.).
 - (g2). *Small Business Status.* A firm is a small business if the firm has less than 100 employees **or** has gross revenues of \$4 million or less.
 - h.-j. **Point of Contact.** Provide this information for a representative of the firm that the Customer can contact for additional information. The representative must be empowered to speak on contractual and policy matters.
 - k. **Name of Firm.** Enter the name of the firm.
2. **Employees by Discipline.**
 - a. Select disciplines from the List of Disciplines (Function Code) listed on Page 3 of 4 Instructions. For employees that do not qualify for any of the disciplines, select Other. *Note: The intended searchable database indicated in the RFQ will be populated from the Qualifications Form I Excel attachment only.*
 - b. Each person can be counted only twice; once for his/her primary function and once for his/her secondary function. Primary and secondary functions should be indicated by including a "P" or an "S" in column b after the Description Title is given.
 - c-d. If the form is completed for a firm (including all branch offices), enter the number of employees by disciplines in column c. If the form is completed for a branch office, enter the number of employees by discipline in column d and for the firm in column c.
3. **Profile of Firm's Experience and Annual Average Revenue for Last Year.**
 - a. Enter the approximate number of projects the firm (or branch) has done attributable by Profile Code listed on Page 3 of 4 Instructions over the last year.
 - b. Enter the appropriate Profile Codes from Instructions Pages 3 of 4 that represent the type of work the firm (or branch) has done over the last year.
 - c. Using the Revenue Index Number on Page 3 of 6 Form, indicate the approximate revenue the firm has

earned over the last year per Profile Code entered into the table.

4. **Resumes of Key Personnel Proposed for This Contract.** Complete this section for each key person who will participate in this contract.
 - a. Self-explanatory.
 - b. Self-explanatory
 - c. Total years of relevant experience (block c1), and years of relevant experience with current firm, but not necessarily the same branch office (block c2).
 - d. Name, City and State of the firm where the person currently works, which must correspond with one of the firms (or branch office or a firm, if appropriate) listed in Section 1.
 - e. Provide information on the highest relevant academic degree(s) received. Indicate the area(s) of specialization for each degree.
 - f. Provide information on current relevant professional registration(s) and in which State(s) they are current.
 - g. Provide information on any other professional qualifications relating to this contract, such as education, professional registration, publications, organizational memberships, certifications, training, awards, and foreign language capabilities.
 - h. Provide information on no more than five (5) projects in the last year which the person had a significant role that demonstrates the person's capability relevant to her/his proposed role in this contract. These projects do not necessarily have to be any of the projects presented in Section 5 for the project team if the person was not involved in any of those those projects or the person worked on other projects that were more relevant than the team projects in Section 5. Use the check box provided to indicate if the project was performed with any office of the current firm. If any of the professional services or construction projects are not complete, leave Year Completed blank and indicate the status in Brief Description and Specific Role.

5. **Example Projects Which Best Illustrate Firms Qualification for this contract.** Select project where multiple team members worked together, if possible, that demonstrate the team's capability to perform work similar to that required for this contract. Complete one Section 5 for each project. List no more than five (5) projects.
 - a. Title and Locations of project or contract. For an indefinite delivery contract, the location is the geographic scope of the contract.
 - b. Enter the year completed of the professional services (such as planning, engineering study, or design), and/or the year completed if construction. If any of the professional services or the construction projects are not complete, leave Year Completed blank and indicate the status in Brief Description of Project and Relevance to This Contract (block f).
 - c. Project Owner or user, such as a government agency or installation, an institution, a corporation or private individual.
 - d. Provide the original budget or not to exceed dollar amount for the project.
 - e. Provide the Total Cost of the Project. If any of the professional services or construction projects is not complete, indicate the percentage complete and whether this project will be on budget, over or under budget.
 - f. Brief Description: Indicate scope, size, and length of project, principle elements and special features of the project. Discuss the relevance of the example project to this contract.

6. **Additional Information.** Use this section to provide additional information you feel may be necessary to describe your firm's qualifications for this contract.

7. **Annual Average Professional Services Revenues of Firm for Last 3 Years.** Complete this block for the firm or branch office for which this form is completed. In column a, enter an approximate percentage of total work attributable to State, Federal or Municipal Work. In column b, enter an approximate percentage of total work attributable to Non-Government work. Percentages should take into consideration work completed over the last 3 years.

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

**RFQ# ADSP014-00003465, Annual Request for Qualifications and Experience
REVISED - Attachment I – General Qualifications**

List of Disciplines (Function Codes) for Question 7

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

List of Experience Categories (Profile Codes for Question 8)

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

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REVISED - Attachment I – General Qualifications

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

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

**RFQ# ADSPO14-00003465, Annual Request for Qualifications and Experience
REVISED - Attachment I – General Qualifications**

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

1. REVISED ADSPO13-00003465: Annual Request for Qualifications

a.	FIRM (OR BRANCH OFFICE) NAME:	RHA, LLC (formerly RH & Associates)
b.	FIRM (OR BRANCH OFFICE) STREET:	2255 North 44 th Street, Suite 170
c.	FIRM (OR BRANCH OFFICE) CITY:	Phoenix
d.	FIRM (OR BRANCH OFFICE) STATE:	Arizona
e.	FIRM (OR BRANCH OFFICE) ZIP CODE:	85008
f.	YEAR ESTABLISHED:	RHA, LLC – 2012 RH & Associates, Inc. – 1997
(g1).	OWNERSHIP - TYPE:	Limited Liability Company
(g2)	OWNERSHIP – SMALL BUSINESS STATUS:	Small Business (SBE, WBE, DBE)
h.	POINT OF CONTACT NAME AND TITLE:	Renee L. Hoekstra, Managing Partner
i.	POINT OF CONTACT TELEPHONE NUMBER:	(602) 493-1947
j.	POINT OF CONTACT E-MAIL ADDRESS:	rhpartnering@earthlink.net
k.	NAME OF FIRM <i>(If block 1a is a branch office):</i>	

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d. EMPLOYEES BY DISCIPLINE

a. Discipline Title	b. Function: Primary (P) or Secondary (S)	c. No. of Employees - Firm	d. No. of Employees – Branch
Specialist	P	3	
Project Manager	S	1	
Total		4	

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REVISED - Attachment I – General Qualifications**

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

a. NAME Renee L. Hoekstra, CVS	b. ROLE IN THIS CONTRACT Certified Value Specialist, Project Manager	c. YEARS EXPERIENCE	
		1. TOTAL 30	2. WITH CURRENT FIRM 16
d. FIRM NAME AND LOCATION (City and State) RHA, LLC, Phoenix, Arizona			
e. EDUCATION (DEGREE AND SPECIALIZATION) Certified Value Specialist – Value Analysis, Value Engineering		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Certified to teach the Module I and Module II VE Courses; NPHQ Gold Medal Award for Program Development & Training for the Utah Department of Transportation; SAVE International, Board Member; U.S. Institute for Environmental Conflict Resolution, Roster Member; PMI Project Management Certification Course, Trainer; CCI Project Management Course, Trainer; APWA Project Management Certification Course, Trainer			

H. RELEVANT PROJECTS

1)	(1) TITLE AND LOCATION (City and State) Maricopa County Department of Transportation Old US80 Bridge Rehabilitation (Gillespie Dam) (Phoenix, Arizona)	(2) Year Completed 2008	
		Professional Services \$53,261	Construction (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE VE Study to look for alternatives that might reduce the cost impacts to rehabilitating a bridge that has become functionally obsolete and look for potential short term (10 year) opportunities that might address both the construction detour issue and accommodate two lanes of traffic. Role: Team Leader.			
2)	(1) TITLE AND LOCATION (City and State) Dilcon Community School Replacement Project (Phoenix, Arizona)	(2) Year Completed 2007	
		Professional Services \$35,530	Construction (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE VE Study to evaluate the 40% design documents. Twenty alternatives were accepted totaling a savings of \$1,142,709; nine proposals were noted as in need of further study totaling potential savings of \$354,915. Role: Team Leader.			
3)	(1) TITLE AND LOCATION (City and State) Arizona Department of Transportation US60 (Grand Avenue)/SR303 Interim T.I. CMAR (Phoenix, Arizona)	(2) Year Completed 2013	
		Professional Services \$11,213	Construction (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The US60 (Grand Avenue)/SR303L Interim Traffic Interchange project will initiate construction of a 3+0 (3 general purpose lanes/0 HOV lanes) lane configuration. The ultimate facility (to be constructed at some time in the future) will construct two additional lanes in each direction in the median to provide a 4+1 (4 general purpose lanes/1 HOV Lane) lane configuration. The VE team brainstormed 50 ideas. Of those, 13 ideas were identified for further development into VE alternatives, including performance, cost and schedule impacts. However, during the development phase, several were dropped or combined. Role: Team Leader.			
4)	(1) TITLE AND LOCATION (City and State) City of Surprise SPA 2 Regional Water Reclamation Phase I Project (Phoenix, Arizona)	(2) Year Completed 2007	
		Professional Services \$15,661	Construction (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE VE Study for Phase I (4 mgd) water reclamation facility for Planning Area No. 2 (SPA 2). The facility was planned for an ultimate capacity of 12 mgd. The total estimated savings for all accepted VE proposals was \$16.9M. Role: Team Leader.			
5)	(1) TITLE AND LOCATION (City and State) Maricopa County Department of Transportation	(2) Year Completed 2007	
		Professional Services \$5,360	Construction (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Value Analysis for the potential process improvements for the he current process that was not consistently and efficiently delivering the TIP Program to the minimum of 85% of infrastructure projects and budget. Role: Team Leader.			

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

a. NAME Laurie Dennis, P.E., CVS-Life, LEED AP	b. ROLE IN THIS CONTRACT Certified Value Specialist	c. YEARS EXPERIENCE	
		1. TOTAL 32	2. WITH CURRENT FIRM 6
d. FIRM NAME AND LOCATION (City and State) RHA, LLC, Phoenix, Arizona			
e. EDUCATION (DEGREE AND SPECIALIZATION) B.S. Civil Engineering B.S. Construction Management		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer (Civil) – Arizona (1984) Professional Engineer (Civil) – Washington (1983)	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Certified Value Specialist (CVS-Life), Module I & Module II Certification, LEED Accredited, Project Management Institute (PMI) Member, SAVE International, Certification Board Executive Director			

H. RELEVANT PROJECTS

1)	(1) TITLE AND LOCATION (City and State) Bank Stabilization & Navigation Project and Section 33 Repairs – VE Study (USACE Omaha District, Nebraska)	(2) Year Completed 2012	
		Professional Services \$23,591	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Sustained extreme flows on the Missouri River in 2011 are known to have severely impacted numerous Bank Stabilization and Navigation Project (BSNP) and Missouri River Recovery Program (MRRP) structures. The construction effort of this project is to restore the BSNP and MRRP structures to pre-flood conditions. Evidence of unfettered creativity: Number of ideas generated (54) Number of ideas selected for further development (10). Role: Team Leader. Original / Final Cost & Time: \$23,591 (CVS team leader, technical team members), 3-day study.		
2)	(1) TITLE AND LOCATION (City and State) Catskill Turbidity Control Phase 1 & Phase 3 (New York City, New York)	(2) Year Completed 2010	
		Professional Services \$24,000	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Two VE studies were conducted on the Catskill Turbidity Control Study Phase 1 and Phase 3 Final Report and the City was looking for opportunities for value improvements, feasible cost effective measures while maintaining the water supply reliability and improving turbidity control in the Catskills system. Role: Team Leader. Original / Final Cost & Time: \$24,000 (CVS team leader), (2) 6-day studies.		
3)	(1) TITLE AND LOCATION (City and State) Arizona Department of Transportation Cordes Junction Traffic Interchange, CMAR (Yavapai County, Arizona)	(2) Year Completed 2010	
		Professional Services \$10,000	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The study project is located on Interstate 17 in Yavapai County, from MP 261 to MP 263 and involves the design and construction of interchange improvements to the existing Cordes Junction Traffic Interchange (I-17/SR 69 T.I.), a new diamond traffic interchange approximately one-half mile north of the existing T.I., replacement of the existing I-17 bridges over Big Bug Creek, construction/reconstruction of local access roads, and two modern roundabouts. The team brainstormed 78 ideas and developed 19 full alternatives. Role: Team Leader.		
4)	(1) TITLE AND LOCATION (City and State) TriMet Portland-Milwaukie Light Rail Project (Portland, Oregon)	(2) Year Completed 2011	
		Professional Services \$48,515	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The VE Study was conducted on the preliminary engineering of the Portland-Milwaukie Light Rail project connecting downtown Portland with the City of Milwaukie and northern Clackamas County and points in between. The project serves the Central City, the South Waterfront District, the Central Eastside Industrial District, Southeast Portland neighborhoods, the Milwaukie Town Center and the urbanized portion of Clackamas County. Role: Team Leader.		
5)	(1) TITLE AND LOCATION (City and State) METRO Northwest Extension Metro Light Rail CMAR (Phoenix, Arizona)	(2) Year Completed 2008	
		Professional Services \$42,300	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE CVS team leader the initial 3.2 miles, Phase One, which was scheduled for completion in 2012, however this project was delayed and is just now entering construction. This extension will travel along 19th Avenue to Dunlap Avenue and connect with bus service at Bethany Home Road, Glendale Avenue, Northern Avenue and Dunlap Avenue in Phoenix. Phase One includes three stations and a parking garage which will connect seamlessly with bus services. Role: Team Leader.		

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REVISED - Attachment I – General Qualifications**

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

a. NAME Patrice M. Miller, AVS (CVS pending)		b. ROLE IN THIS CONTRACT Associate Value Specialist		c. YEARS EXPERIENCE	
				1. TOTAL 25	2. WITH CURRENT FIRM 2
d. FIRM NAME AND LOCATION (City and State) RHA, LLC, Phoenix, Arizona					
e. EDUCATION (DEGREE AND SPECIALIZATION) B.A. History MBA (Marketing, Finance)			f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)		
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) American Public Works Association, Arizona Chapter (Past-President)					
H. RELEVANT PROJECTS					
1)	(1) TITLE AND LOCATION (City and State) Bank Stabilization & Navigation Project and Section 33 Repairs – VE Study (USACE Omaha District, Nebraska)			(2) Year Completed 2012	
				Professional Services \$23,591	Construction (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Sustained extreme flows on the Missouri River in 2011 are known to have severely impacted numerous Bank Stabilization and Navigation Project (BSNP) and Missouri River Recovery Program (MRRP) structures. The construction effort of this project is to restore the BSNP and MRRP structures to pre-flood conditions. Evidence of unfettered creativity: Number of ideas generated (54) Number of ideas selected for further development (10). Role: Assistant Team Leader. Original / Final Cost & Time: \$23,591 (CVS team leader, technical team members), 3-day study.					
2)	(1) TITLE AND LOCATION (City and State) Arizona Department of Transportation Flagstaff District US89 – Junction SR64 to Little Colorado River (Coconino County, Arizona)			(2) Year Completed 2012	
				Professional Services \$25,726	Construction (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This project is a piece of the overall US Highway 89 improvements (widening and intersections) between MP 442 and MP 484. The VE team brainstormed 77 ideas. Of those, 17 ideas were identified for further development into VE alternatives and 2 Design Suggestions.					
3)	(1) TITLE AND LOCATION (City and State) Arizona Department of Transportation US60 (Grand Avenue)/SR303 Interim T.I. CMAR (Phoenix, Arizona)			(2) Year Completed 2013	
				Professional Services \$11,213	Construction (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm The US60 (Grand Avenue)/SR303L Interim Traffic Interchange project will initiate construction of a 3+0 (3 general purpose lanes/0 HOV lanes) lane configuration. The ultimate facility (to be constructed at some time in the future) will construct two additional lanes in each direction in the median to provide a 4+1 (4 general purpose lanes/1 HOV Lane) lane configuration. The VE team brainstormed 50 ideas. Of those, 13 ideas were identified for further development into VE alternatives, including performance, cost and schedule impacts. However, during the development phase, several were dropped or combined. Role: Assistant Team Leader.					
4)	(1) TITLE AND LOCATION (City and State) Aleknagik Wood River Bridge Construction Project (GO) Phases I & II (Anchorage, AK)			(2) Year Completed 2011	
				Professional Services \$33,144	Construction (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm As stated in Aleknagik's Comprehensive Plan, dated November 2005, the community places this project as their number one priority. This project is expected to improve public safety, health, the local economy, and community cohesion. The VE team brainstormed 87 ideas. Of those, 23 ideas were identified for further development into VE proposals, including cost impacts and 31 Design Suggestions, without any cost impact. Three of the Design Suggestions were identified for further development without any cost impact. Role: Assistant Team Leader.					
5)	(1) TITLE AND LOCATION (City and State) Bonneville Spillway Gate Full Flow Hoist Project – VE Study (USACE Portland District, Oregon)			(2) Year Completed 2011	
				Professional Services \$42,300	Construction (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Configuration of the spillway gates and hoists did not easily allow for full flow passage through the spillway during maximum flow conditions, and was not only extremely labor intensive but presented many safety risks to project personnel. Evidence of unfettered creativity: Number of ideas generated (44); number of ideas selected for further development (13). Role: Assistant Team Leader. Original / Final Cost & Time: \$37,824 (CVS team leader, technical team members), 5-day study.					

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REVISED - Attachment I – General Qualifications**

5a. 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> Old US 80 Bridge Rehabilitation (Maricopa County, Arizona)	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2008	CONSTRUCTION <i>(If applicable)</i> N/A

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER Maricopa County Department of Transportation	d. DOLLAR AMOUNT OF PROJECT \$53,261 (VE Study)	e. TOTAL COST OF PROJECT \$53,261 (VE Study)
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)



Overview: A 3 ½ -day Value Engineering Workshop evaluated the Design Concept Report completed by TranSystems, Traffic Impact Analysis Report by Southwest Traffic Engineering, the Alternatives Analysis Report completed by Burgess& Niple, and the Load Rating Report completed by Structural Grace, Inc.

Project Description: The Historic Old US 80 Bridge at the Gila River is also known as the Gillespie Dam Bridge. This historic riveted steel camelback through truss superstructure, 9-span, and 1,665 foot 8 inch long bridge was built in 1927 in the general vicinity of Arlington in Maricopa County and was listed on the National Register of Historic Places in 1981. The bridge is one of the largest steel truss bridges in the state and was a vital link in the US 80 Highway (Ocean-to-Ocean Highway) that connected San Diego, California to Savannah, Georgia. The bridge is one of the most important examples of early bridge construction in Arizona. The bridge is listed in the HABS/HAER Inventory of historical structures.

Team Approach: This was a team of experienced professionals selected by MCDOT with expertise in the various aspects of the design and construction of bridges, transportation related facilities and environmental. Prior to the study, each team member received a workbook containing information about the project, a copy of the project materials and an overview of the value engineering process to begin to become acquainted with the project and the process. Then during the Information Phase of the workshop, the entire team worked together to gain a good understanding of all the elements associated with the project through presentations and discussion by the various project team members and MCDOT personnel.

Workshop Overview: Tuesday morning of May 6th began the Information Phase of the study. VE Team members were welcomed and all in attendance performed introductions. The VE Team Leader provided an overview of the VE process. Everyone in attendance developed the VE goals and objectives for the team. The team then identified the project constraints to be considered during the VE workshop. A site visit was conducted by the team. The Creative Phase of the workshop resulted in the VE team listing a total of 51 ideas. The team members, using the criteria developed during the first day, then evaluated the ideas. The proposals were ranked using a Nominal Group Technique to identify those ideas that the team believed had the most merit based on the goals developed. The team also identified if there were in ideas that would have Unacceptable Impacts or a Fatal Flaw. Additionally, ideas were identified as a Design Suggestion or Already Being Done.

There were approximately 17 ideas selected for further development as proposals and 1 design suggestion. During the Development Phase, some of the ideas were combined together into a single proposal while others were further discussed and then dropped as a possibility or it was realized that it was already included in the existing design. As possible and where appropriate, Life Cycle Costs were evaluated and included with the proposal. Additionally, drawings were provided as needed to illustrate a proposal. These drawings are purely conceptual in nature and do not represent all of the elements that need to be considered. Day three brought the team members back together to finalize and evaluate proposals and make adjustments as needed and a presentation was made to management the morning of the 4th day.

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Project Goals and Objectives: The VE team needed to understand the goals and objectives of the Maricopa Department of Transportation, of the VE workshop and of the team. The goals helped the team to stay focused throughout the workshop. The Technical Advisors from MCDOT helped to identify these goals:

- Develop detour options
- Start construction to meet structural loads by May 2009
- Meet Federal requirements to obtain funding
- Identify additional right-of-way needs
- Reduce costs to possibly do more at an earlier phase
- Meet the budget - \$6.5 M

Workshop Approach

The approach to this workshop was based on three distinct, although related, elements. This include rehabilitation of the existing bridge, accommodating traffic during the rehabilitation and the development of a future river crossing to accommodate development to the year 2025. The direction given to the team was to look for alternatives that might reduce the cost impacts to rehabilitating a bridge that has become functionally obsolete and to look for potential short term (10-year) opportunities that might address both the construction detour issue and accommodate two-lanes of traffic now. In order to address these three elements, the team needed to use a baseline for each of the project approaches to compare to the Proposed Alternatives. The following was used at the baseline from the recommendations of the DCR:

- Rehabilitation of Existing Bridge - \$17M
- MC 85 as the Detour - \$100,000 (signage only)
- Build a new 5-lane bridge downstream - \$45M

In addition, it was also brought to the team’s attention that using the existing MC85 as the Detour Route was not recommended due to access issues. This is important to note as the Proposed Alternatives for changing the detour are compared against the baseline \$100,000 cost, this shows an addition to the project cost not a suggested savings. Although we are using this as the baseline, please note that in the interim, the team was provided with two other Detour Alternatives.

- Enterprise Road - \$5.2M
- Gila River Crossing - \$1.9M

In reality, those additional costs added to the project because of the baseline, will, in reality, be less expensive than the two alternatives proposed above.

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5b. 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> Dilcon Community School Replacement Project (Phoenix, Arizona)		b. YEAR COMPLETED	
		PROFESSIONAL SERVICES 2007	CONSTRUCTION <i>(If applicable)</i> N/A
23. PROJECT OWNER'S INFORMATION			
c. PROJECT OWNER Bureau of Indian Affairs, Navajo Nation	d. DOLLAR AMOUNT OF PROJECT \$35,530 (VE Study)	e. TOTAL COST OF PROJECT \$35,530 (VE Study)	

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

Overview: A three-day Value Engineering Workshop was held at the Willdan offices located at 7500 North Dreamy Draw Drive, Suite 130, Phoenix, Arizona on February 21 – 23, 2007. The VE Workshop evaluated the 40% design documents completed by the Architect of Record LAM Corporation in conjunction with Studio Southwest Architects Inc.

Project Description: The Dilcon Community School, Inc., is a P.L. 100-297 grant school located approximately 30 miles northeast of Interstate 40 on State Highway 87 and 7 miles east of Highway 87 on Route 15 in Dilcon and 1 mile south on Route 60, Navajo County, within the boundaries of the Navajo Nation and Arizona. The following elements and any ancillary items necessary to support these elements include:

- o Academic Facilities including classrooms, gymnasium, food service and dining, library, special use spaces, school administrative offices for 307 students in grades 1-8.
- o Dormitory Facilities to house 83 students in grades 1-8.
- o Site Development and Utilities including grade appropriate playgrounds and playing fields, parking, sidewalks, lighting, on-site streets, access roads, and appropriate arid land landscaping.

Team Approach: This was a team of experienced professionals with expertise in the various aspects of planning, design and construction of schools and related facilities. Several of the team members also had experience working on schools and other facilities in several Indian Communities throughout Arizona. Prior to the study, each team member received a workbook containing information about the project, project site photos and an overview of the value engineering process to begin to become acquainted with the project. Then during the Information Phase of the workshop, the entire team worked together to gain a good understanding of all the elements associated with the project.

Workshop Approach: Wednesday morning of February 21st began the Information Phase of the study. VE Team members, the Project Architect and a representative of the Dilcon Community School were welcomed and all in attendance performed introductions. The VE Team Leader provided an overview of the VE process. The project architects provided a very comprehensive presentation. Everyone in attendance developed the VE goals and objectives for the team. The team then identified the project constraints or “sacred cows” to be considered during the VE workshop. The Creative Phase of the workshop resulted in the VE team listing a total of 94 ideas. The team members, using the criteria developed during the first day, then evaluated the ideas. The proposals were ranked using a Nominal Group Technique to identify those ideas that the team believed had the most merit based on the goals developed. The team also identified if there were in ideas that would have Unacceptable Impacts or a Fatal Flaw. Additionally, ideas were identified as a Design Suggestion or Already Being Done.

There were approximately 37 ideas selected for further development as proposals and 15 design suggestions. During the Development Phase, some of the ideas were combined together into a single proposal while others were further discussed and then dropped as a possibility or it was realized that it was already included in the existing design.

As possible and where appropriate, Life Cycle Costs were evaluated and included with the proposal. Additionally, drawings were provided as needed to illustrate a proposal. These drawings are purely conceptual in nature and do not represent all of the elements that need to be considered. Day three brought the team members back together to finalize and evaluate proposals and make adjustments as needed.

Project Goals and Objectives: The VE team needed to understand the goals and objectives of the Dilcon Community School of the VE workshop and the team. The goals helped the team to stay focused throughout the workshop. During the Information Phase, Dilcon Community School and the Project Architects helped to identify these goals:

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- Focus on meeting the budget
- Focus on the using the same building configuration (floor plan)
- Need to accommodate high-use areas
- Must be maintainable with available resources
- Minimize operational and maintenance costs
- Incorporate and consider cultural elements
- This is also used as a community facility
- Maintain visual security
- Open air feel (visual)

Workshop Results: The final disposition of the VE proposals includes the following:

- 20 proposals were accepted totaling \$1,142,709 in savings
- 9 proposals were noted as in need of further study totaling \$354,915 in potential savings
- 7 proposals were rejected totaling \$67,250

Approximately 15 Design Suggestions were formally identified. These have been identified to help guide Dilcon Community School in other project elements that were deemed important by the VE team. Many may not necessarily generate cost savings, but others may generate cost savings, if further developed by the design team. These suggestions have been provided based on previous experiences by the team members in both the design and construction of similar facilities.

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

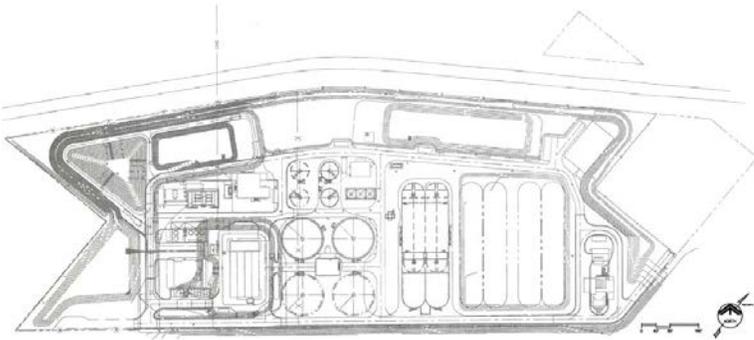
(Present no more than five (5) projects. Complete one Section 5 for each project.)

a. TITLE AND LOCATION <i>(City and State)</i> SPA 2 Regional Water Reclamation Phase I Project (Phoenix, Arizona)	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2007	CONSTRUCTION <i>(If applicable)</i> N/A

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER City of Surprise	d. DOLLAR AMOUNT OF PROJECT \$15,661 (VE Study)	e. TOTAL COST OF PROJECT \$15,661 (VE Study)
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)



Overview: A four-day Value Engineering Workshop was held at Carollo's Engineering office located at 3033 North 44th Street, Suite 101, Phoenix, Arizona on September 4 - 7, 2007. The VE Workshop evaluated the current design for the City of Surprise SPA 2 Regional Water Reclamation Facility Phase I Project.

Project Description: The City of Surprise is undergoing a rapid growth within its planning boundaries. To accommodate this growth, the City has embarked on the design and construction of Phase I (4 mgd) of the water reclamation facility for Special

Planning Area No. 2 (SPA 2). The facility is planned for an ultimate capacity of 12 mgd. The SPA 2 Regional Water Reclamation Facility is located in an incorporated area within the City of Surprise, east of Grand Avenue between Beardsley Canal and the McMicken Dam Outfall Channel. The parcel of land is approximately 28 acres in Maricopa County. This site may be described as being located in the southwest corner at the intersection of West Pinnacle Peak Road and North Reems Road alignments.

Workshop Approach: Tuesday morning of September 4th began the Information Phase of the study. VE team members and the City of Surprise staff were welcomed and all in attendance performed introductions. The VE team leader provided an overview of the VE process. The project designers provided a short project presentation since most of the team members were very familiar with the project. Everyone in attendance developed the VE goals and objectives for the team. The team then identified the project constraints or "sacred cows" to be considered during the VE workshop. The team then brainstormed all the functions of the project and then developed an overall Functional Analysis Systems Technique (FAST) Diagram.

The Creative Phase of the workshop resulted in the VE team listing a total of 189 ideas. The team members, using the criteria developed during the first day then evaluated the ideas. A strong focus of this workshop was on cost reduction in order to get the project within budget. This created numerous challenges for the team and the evaluation phase occurred in several steps.

There were approximately 38 ideas selected for further development as proposals and 3 design suggestions. During the Development Phase, some of the ideas were combined together into a single proposal while others were further discussed and then dropped as a possibility or it was realized that it was already included in the existing design. Time permitting and where appropriate, Life Cycle Costs were evaluated and included with the proposal. The City may want to re-evaluate some of the proposals and include additional life-cycle cost information as needed. Additionally, drawings were provided as needed to illustrate a proposal. These drawings are purely conceptual in nature and do not represent all of the elements that need to be considered. Day four brought the team members back together to finalize the proposals, each of the team members reviewed each of the proposals and made adjustments as needed, and the team develop a final presentation, which was presented to various stakeholders.

Project Goals and Objectives: The VE team needed to understand the goals and objectives that the City of Surprise had of the VE workshop and the team. The goals helped the team to stay focused throughout the workshop.

- Include Effluent Management Plan
- 4 mgd Regional Facility

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- Expandable to 12 mgd
- Facility costs
- \$40 million plant that includes \$1.5 million contingency
- Maintain schedule
 - August 2009 - accept water
 - Total 2 years construction
- Need to meet regulatory requirements
- Meet A+ water quality
- Operability in initial phases
- Maintain master plan integrity
- Meet established Technical Advisory Report (TAR)
- City wants to have the plant running with a single 8 hour shift

Workshop Results: The total estimated savings for all accepted VE proposals is \$16.9M. Other proposals were identified but some of the proposals are mutually exclusive, adopting one proposal may preclude implementing an alternate proposal. A further discussion and a table depicting the savings can be found in Section 2.0, Summary of Cost Savings. Three Design Suggestions were formally identified and presented. These have been identified to help guide the City of Surprise and the design team in other project elements that were deemed important by the VE team. Some may not generate a cost savings, but others may, if further developed by the design team. These suggestions have been provided based on previous experiences by the VE team members in both design and construction of similar facilities.

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5d. 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> Project Delivery Process (Phoenix, Arizona)		b. YEAR COMPLETED	
		PROFESSIONAL SERVICES 2007	CONSTRUCTION <i>(If applicable)</i> N/A
23. PROJECT OWNER'S INFORMATION			
c. PROJECT OWNER Maricopa County Department of Transportation	d. DOLLAR AMOUNT OF PROJECT \$5,360 (VE Study)	e. TOTAL COST OF PROJECT \$5,360 (VE Study)	

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



Overview: Several meetings were held prior to the workshop. This included a Partnering workshop with all departments on April 10, 2007. The meeting was held to introduce the approach to overall Value Analysis process and what would be expected of both the management and VA team. Additionally, participants identified areas within the existing processes where things are working well as well as things that needed improvement. Two process development meetings were held, one on April 23, 2007 which included Project Managers and Division Managers and the other on April 24, 2007 that included the Branch Managers. These two meetings helped the VA team leaders to map out the current process which would be used as the baseline for the VA Study. Once the existing process was developed a five-day Value Analysis (VA) Workshop was held at the Maricopa County Department of Transportation's office on May 21 – 23, 2007 and May 30-31, 2007. The Implementation Meeting was held at the Maricopa County Department of Transportation's office on June 13, 2007. The Implementation Review Team and the Value Analysis Team were both in attendance.

Process/Project Description: The current project delivery process was discussed during two process development meetings.

Workshop Approach: The VA workshop began with the Information Phase with the Project Team, Division Managers and Branch Managers attending the opening session. The entire group discussed the Study Goal, the Problem Statement and completed a final review on the Project Delivery Process. The Function Analysis Phase provided an opportunity for the team to identify what the "function" of the various steps within the delivery process. The team then used this list of functions during

the Creative Phase, which resulted in the VE team listing a total of 187 ideas. During the Evaluation Phase, the team members developed the criteria to help them evaluate the ideas using a Nominal Group Technique to identify those ideas that the team believed had the most merit. The team also identified if there were any ideas that would have Unacceptable Impacts or a Fatal Flaw. There were approximately 34 ideas selected for further development as proposals. During the Development Phase, some of the ideas were combined together into a single proposal. The team then worked on further developing their proposals throughout the next few days. On the fifth day of the workshop the team evaluated which proposals were to be presented to management in the formal presentation.

Problem Statement: The current process is not consistently and efficiently delivering the TIP Program to the minimum of 85% of infrastructure projects and budget.

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Study Goal: Develop one connected, documented and accountable process that supports internal collaboration and quality handoffs to provide a consistent delivery process. This process should:

- Identify potential risk
- Communicate and articulate MCDOT priorities to others
- Increase internal communication
- Increase external communication
- Increase tools to measure success and accountability

Study Outcomes: The implementation team reviewed the 34 alternatives and provided comments on the implementation sheets provided in the preliminary report. The comments addressed issues relating to; Implementation feasibility, Impacts to the TIP, Changes needed by management, Issues needing resolution and any other comments deemed important to help accept, conditionally accept or reject the alternative. 26 alternatives were Accepted, there was one Conditionally Accepted alternative and 3 alternatives were Rejected. Time frames were developed and lead individuals were identified to carry the alternative through final completion.

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5e. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present no more than five (5) projects. Complete one Section 5 for each project.)</i>		
a. TITLE AND LOCATION <i>(City and State)</i> US60 (Grand Avenue) / SR303 Interim Traffic Interchange, CMAR	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2013	CONSTRUCTION <i>(If applicable)</i> N/A
23. PROJECT OWNER'S INFORMATION		
c. PROJECT OWNER Arizona Department of Transportation	d. DOLLAR AMOUNT OF PROJECT \$14,699 (VE Study)	e. TOTAL COST OF PROJECT \$14,699 (VE Study)

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

The US60 (Grand Avenue)/SR303L Interim Traffic Interchange project will initiate construction of a 3+0 (3 general purpose lanes/0 HOV lanes) lane configuration. The ultimate facility (to be constructed at some time in the future) will construct two additional lanes in each direction in the median to provide a 4+1 (4 general purpose lanes/1 HOV Lane) lane configuration. SR303L is a major corridor of the Maricopa Association of Governments (MAG) adopted Regional System in the northwest portion of Maricopa County. Traffic demand is causing the existing SR303L corridor to become congested and future growth and traffic projections indicate the congestion will increase. This drives the need to expand the regional freeway facility in the northwest valley. The US60 (Grand Avenue)/SR303L Interim Traffic Interchange project will provide direct connectivity between US60/Grand Avenue and SR303L and will better serve the transportation needs of the City of Surprise.

The VE team brainstormed 50 ideas. Of those, 13 ideas were identified for further development into VE alternatives, including performance, cost and schedule impacts. However, during the development phase, several were dropped or combined.

Risk Matrix

Probability of Occurrence	Highly Likely	Likely	Possible	Unlikely	Very unlikely	MATRIX KEY				
	> 70%	51 - 70%	21 - 50%	5 - 20%	< 5%					
Severity of Impact	Catastrophic	Substantial	Moderate	Marginal	Negligible					
Risk Rating	Extremely High Red (50-500)		High Orange (15 - 49)		Moderate Yellow (3 - 14)	Low Green (0 - 2.9)				
Identify the Risk		Assign the Risk		Classify the Risk			Quantify	Quantify	Risk Response	
Risk ID	Description of Risk	Who does the risk affect?	Probability of Occurrence %	Severity of Impact (numeric)	Risk Rating	\$\$ Impact	Schedule Impact	Avoid? Mitigate? Accept? Transfer?	Comments	
Identify the Risk										
1	BNSF acceptance of new approaches	Design and construction, schedule	5%	50	25.0	None	None	Accept	Based on the baseline alignment, there has been informal concurrence with the approach	
2	BNSF permitting	Construction and schedule	40%	50	50.0	None	2-3 months	Mitigate	Get right-of-entry, accommodate with additional float in the schedule	
3	Relocation of unknown utilities, when needed	Construction and schedule	75%	5	25.0	\$ 100,000	10 days	Accept	Unknown utilities are always an issue, mitigate the impact as it occurs	
4	Constructability of retaining walls and sound walls in specific tight areas	Construction	100%	20	100.0	\$ 50,000	None	Mitigate	The retaining wall under the slope abutment near the gas line is of concern	
5	Building a structure over the railroad	Construction, budget, schedule	1%	50	10.0	Unknown, extremely high	2 months	Avoid	Avoid this in the design	
6	Changed site conditions from original design - topographic accuracy	Quantity and budget	1%	20	4.0	\$ 200,000	2 weeks	Mitigate	Ensure the accuracy of earthwork with additional survey	
7	Constructability of spread footing around the gas line and the railroad	Construction	100%	50	250.0	\$ 400,000	4 months	Mitigate	Problem is the depth	
8	Paving window for ARACFC	Construction	50%	5	5.0	\$ 50,000	4 months	Mitigate	Remobilization; window is March 15 through May 31, and September 1 through October 31	

6. ADDITIONAL INFORMATION

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

Qualifications

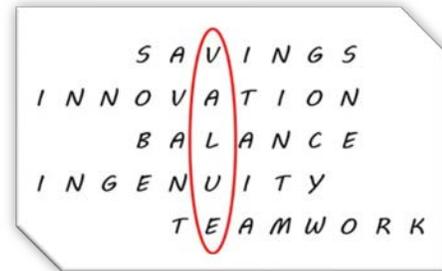
RHA is a professional firm specializing in training and professional facilitation services for Value Engineering and related services, Partnering and Team Development. RHA was organized in 1992 and is a WBE/DBE/SBE firm. RHA has been providing quality services in the planning, design and construction arena for over 21 years with most of the experience working with public sector clients. RHA has been providing value engineering services for the past 11 years and their CVS team leaders have been providing these services for over 35 years. RHA has developed a value engineering program using the value methodology as defined by SAVE, "the value society." The value analysis/engineering program implemented utilizes the specific requirements of each project and allows us to aid the project teams in applying true value engineering processes to a project with the capability of being flexible to achieve quality results. RHA provides all services needed to design, implement and evaluate value engineering analysis for planning and design projects; value engineering contractor proposals for construction projects, as well as team and process development and refinement.



Technical & Facilitation Capabilities - The firm's key personnel have expertise in facilitating and training for public and private sector clients. RHA's team leaders/facilitators also have industry expertise. Our ability to provide excellent services is based on these varied experiences in the engineering/architecture and construction industries. Participant evaluations of our workshops indicate that this knowledge of the industry brings credibility to each study and increases success. RHA provides neutral, third-party facilitation services for Value Engineering, Risk Analyses, Scoping, Partnering and Team Building workshops. This provides non-biased workshop leaders with no vested interest in the outcome of the project. Their interest is the positive effect of the process on the project to gain the best possible value for our clients. Our third-party facilitation provides a structured, yet informal and "safe" environment in which all team members are encouraged to actively participate.

Services - RHA provides all services needed to design, implement and evaluate a Value Engineering program. The firm can assist with a comprehensive program from start-up to closeout. Our services include:

- Program design and evaluation
- Facilitation of workshops
- Comprehensive workshop reports
- Team building
- Facilities
- Implementation support
- Value engineering training as approved by SAVE



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:	100%
b. Percentage of Total Work Attributable to Non-Government Work:	0%

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



Signature: _____

Date: December 12, 2013

Name: Renee L. Hoekstra, CVS

Title: Managing Partner