



ATTACHMENT I – General Qualifications
ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729

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

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

1. **Annual Request for Qualifications**

a. FIRM (OR BRANCH OFFICE) NAME:	RBF Consulting, a Michael Baker International Company
b. FIRM (OR BRANCH OFFICE) STREET:	14725 Alton Parkway
c. FIRM (OR BRANCH OFFICE) CITY:	Irvine
d. FIRM (OR BRANCH OFFICE) STATE:	CA
e. FIRM (OR BRANCH OFFICE) ZIP CODE:	92618-2027
f. YEAR ESTABLISHED:	1944
(g1). OWNERSHIP - TYPE:	Corporation
(g2) OWNERSHIP - SMALL BUSINESS STATUS:	N/A
h. POINT OF CONTACT NAME AND TITLE:	Doug Plasencia, Vice President
i. POINT OF CONTACT TELEPHONE NUMBER:	602-798-7552
j. POINT OF CONTACT E-MAIL ADDRESS:	dplasencia@mbakerintl.com
k. NAME OF FIRM (If block 1a is a branch office):	Michael Baker Corporation



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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
Biologist	P	1	0
CADD Technician	P	33	14
Civil Engineer	P	79	41
Construction Manager	P	7	3
Construction Inspector	P	4	2
Ecologist	P	2	0
Electrical Engineer	P	4	4
Environmental Engineer	P	1	1
Environmental Scientist	P	27	15
Geodetic Surveyor	P	3	1
Geographic Information System	P	15	8
Hydrologist	P	4	4
Landscape Architect	P	3	3
Project Manager	P	3	2
Structural Engineer	P	5	5
Technician/Analyst	P	88	42
Transportation Engineer	P	22	15
Water Resources Engineer	P	17	9
Other		122	62
Total		440	231



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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 (see below)
17	Bridge Design: Bridges	4
6	Conservation and Resource Management	4
20	Construction Management	5
10	Desalinization (<i>Process and Facilities</i>)	4
74	Environmental Impact Studies, Assessments or Statements	6
33	Highways; Streets; Airfield Paving; Parking Lots	7
27	<i>Housing (Residential, Multi-Family; Apartments; Condominiums)</i>	6
10	Landscape Architecture	4
6	Office Buildings; Industrial Parks	3
23	Recreation Facilities (<i>Parks, Marinas, Etc.</i>)	4
17	Sewage Collection, Treatment and Disposal	4
7	Solar Energy Utilization	4
68	Surveying; Platting; Mapping; Flood Plain Studies	6
71	Storm Water Handling and Facilities	7
68	Traffic and Transportation Engineering	6
23	Water Supply; Treatment and Distribution	6

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

- | | |
|--|--|
| <ul style="list-style-type: none"> 1. Less than \$100,000 2. \$100,000 to less than \$250,000 3. \$250,000 to less than \$500,000 4. \$500,000 to less than \$1 million 5. \$1 million to less than \$2 million | <ul style="list-style-type: none"> 6. \$2 million to less than \$5 million 7. \$5 million to less than \$10 million 8. \$10 million to less than \$25 million 9. \$25 million to less than \$50 million 10. \$50 million or greater |
|--|--|

PRINCIPAL-IN-CHARGE

Doug Plasencia, PE, CFM

WATER QUALTY

Anna Lantin, PE, CPESC,® CPQWQ
Scott Taylor, PE, D.WRE, F.ASCE
Tanya Bilezikjian, PE, CPESC, CPSWQ, QSD/QSP
Terrence Chen, PE, QSD/QSP
Nora Jans, LEED AP
Laura Larsen, PE, CPSWQ, QSD/QSP
David Mercier, PE, CPESC®, QSD/QSP, LEED AP
Andrew Sidor, PE, CPESC®, QSD/QSP, CESSWI

SUPPORT SERVICES

Hydrology/Hydraulics
John McCarthy, PE, CFM

Survey/Mapping
Gregory Helmer, PLS

Structures
Bradley Mielke, PE, SE
Salahuddin Sheikh, PE

Transportation Engineering
Steven Huff, PE
Mike Chesney, PE
Darin Johnson, PE
Alan Su, PE

Traffic Engineering
Carlos Ortiz, PE, TE, PTOE

Water Resources
John Harris, PE
John Nagle, PE

Landscape Architecture
John Andrew, PLA

Public Outreach
Susan Harden, AICP, CMSM, LEED AP, CNU-A



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

a. NAME John Andrew, P.L.A.	b. ROLE IN THIS CONTRACT Landscape Architecture	c. YEARS EXPERIENCE	
		1. TOTAL 31	2. WITH CURRENT FIRM 25
d. LOCATION <i>(City and State)</i> RBF Consulting, a Michael Baker International Company, Irvine, California			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B.S., Landscape Architecture, California State Polytechnic University, San Luis Obispo, 1984		f. PROFESSIONAL TRAINING - REGISTRATIONS CA, Landscape Architect, 3152, 1989; UT, Registered Landscape Architect, 7280534-5301, 2009; AZ, Registered Landscape Architect, 33626, 1999; NV, Registered Landscape Architect, 580, 2000	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> Member, Council of Landscape Architectural Registration Board (CLARB); RBF "Client Service Award" Winner; RBF "Excellence in Teamwork" Award Winner			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION <i>(City and State)</i> Caltrans On-Call Technical and Professional Storm Water Services, California (Contract Nos. 43A0182 and 43A0286)	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Caltrans. Landscape Architect. Under a three-year contract with Caltrans, provided on-call statewide stormwater services. Work was related to continued development and refinement of Caltrans' statewide Storm Water Management Program with a goal to integrate appropriate stormwater control activities into ongoing activities and thus make control of stormwater pollution a part of Caltrans' normal business practices. \$13,000,000 (Fee Estimate)	<input checked="" type="checkbox"/> Check if project performed with current firm	
2.	(1) TITLE AND LOCATION <i>(City and State)</i> As-Needed Landscape Architecture Services, Temecula, CA	(2) YEAR COMPLETED	
		Professional Services Ongoing	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE City of Temecula. Project Manager. RBF worked with the City's engineering, parks, and maintenance staffs to provide as-needed landscape architecture services for various projects. Representative services include preparation of final plans, specifications, and estimates for public bidding and construction of riparian habitat, lighting of eight existing tennis courts, siting for a universally accessible playground improvements and related park features, and a roadway widening project. \$85,000 (Fee Est.)	<input checked="" type="checkbox"/> Check if project performed with current firm	
3.	(1) TITLE AND LOCATION <i>(City and State)</i> Baker Regional Water Treatment Plant, Lake Forest, CA	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Irvine Ranch Water District. Project Landscape Architect. RBF provided landscape architectural design services, prepared preliminary landscape designs and completed final landscape and irrigation plans, specifications and estimates for the BRWTP for Irvine Ranch Water District in the City of Lake Forest. The plans included California friendly and native plants and a state of the art irrigation system. \$5,300,000 (Total Fee)	<input checked="" type="checkbox"/> Check if project performed with current firm	
4.	(1) TITLE AND LOCATION <i>(City and State)</i> Buck Gully Canyon Restoration Project - Engineering and Environmental Services, Newport Beach, CA	(2) YEAR COMPLETED	
		Professional Services 2018 (est.)	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE City of Newport Beach. Landscape Architect. Responsible for the preparation of final construction plans, specifications and estimates for the public bidding and construction of California native wetland habitat. RBF provided planning, design, and permitting for the construction of erosion control improvements for the stabilization and restoration of Lower Buck Gully. The canyon had been experiencing significant erosion in recent years as a result of urbanization within its watershed boundaries. The proposed project included the reconstruction and restoration of Lower Buck Gully channel through the use of grade control structures and bendway weirs. \$520,000 (Fee)	<input checked="" type="checkbox"/> Check if project performed with current firm	
5.	(1) TITLE AND LOCATION <i>(City and State)</i> Concordia University Gateway Entry Monument and Electronic Message Board Display, Irvine, California	(2) YEAR COMPLETED	
		Professional Services 2015 (est.)	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Concordia University. Project Manager. Responsibilities included overall project oversight. RBF Consulting, a Michael Baker International Company, is working with Concordia University on the design and development of a major entry monument for the university on Orange County Park property, William R. Mason Park. The monument design incorporates iconic forms and elements and integrates materials from the park and site. RBF is coordinating the preliminary design with Orange County Parks and the City of Irvine. Upon acceptance by the county, the final plans, specifications, and estimates will be developed for bidding and construction. \$44,600.00 (Fee)	<input checked="" type="checkbox"/> Check if project performed with current firm	



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

a. NAME Mike Chesney, P.E.	b. ROLE IN THIS CONTRACT Transportation Engineering	c. YEARS EXPERIENCE	
		1. TOTAL 24	2. WITH CURRENT FIRM 24
d. LOCATION (City and State) RBF Consulting, a Michael Baker International Company, Irvine, California			
e. EDUCATION (DEGREE AND SPECIALIZATION) M.S., Structural Engineering, University of California at Berkeley, 1990 B.S., Architectural Engineering, California Polytechnic State University, San Luis Obispo, 1989		f. PROFESSIONAL TRAINING - REGISTRATIONS AZ, Professional Engineer - Civil, 35380, 2000; CA, Professional Engineer - Civil, 48913, 1992; CA, Registered Disaster Service Worker, SA102, 1994; NV, Professional Engineer - Civil, 14782, 2001	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) Member, ASCE; Fellow, Institute for the Advancement of Engineering; Member, Registered California State Office of Emergency Services (OES) Damage Assessment Team; Chair, California Polytechnic State University San Luis Obispo (Cal Poly), Department of Civil and Environmental Engineering Industrial Advisory Board; Membership Chair, American Council of Engineering Companies (ACEC) Orange County Chapter; RBF "Excellence in Teamwork" Award Winner			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (City and State) Caltrans On-Call Technical and Professional Storm Water Services (Contract Nos. 43A0182 and 43A0286), California	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Caltrans - Transportation Engineering. Under a three-year contract Caltrans, RBF provided on-call statewide stormwater services. Work was related to continued development and refinement of Caltrans' statewide Storm Water Management Program with a goal to integrate appropriate stormwater control activities into ongoing activities and thus make control of stormwater pollution a part of Caltrans' normal business practices. \$13,000,000 (Fee Estimate)	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION (City and State) On-Call Engineering Support Services - Caltrans (Contract No. 12A1195), District 12, Orange County, CA	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Caltrans - District 12. Assistant Project Manager. RBF is providing project development and design services to improve and repair the State's transportation system throughout Orange County under an on-call, five-year contract. To date, task orders have included development of the traffic management plan for I-5 at Jamboree Road; development of a traffic management plan for the S.R. 55 auxiliary lane; preparation of a project report for the S.R. 91 westbound lanes from S.R. 55 to Tustin Avenue; the preparation of final plans, specifications, and estimate for the S.R. 241 metal beam guardrail replacement; the preparation of the project report and plans, specifications, and estimate for S.R. 22 at Tustin Avenue eastbound and westbound ramp intersections; and the preparation of the project report and plans, specifications, and estimate for roadway slope stabilization on S.R. 1 in Laguna Beach. \$3,000,000 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION (City and State) Cow Camp Road Phase 1A/1B of 24-Inch Waterline, 30-Inch Recycled Waterline, and 8-Inch Sewer, Mission Viejo, California	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Rancho Mission Viejo, LLC. Project Manager. Responsible for project management. RBF Consulting, a Michael Baker International Company, prepared Phase 1A design plans, including 3,000 feet of 24-inch domestic water, 3,000 feet of 30-inch recycled water, and 800 feet of 8-inch sewer facilities, in Cow Camp Road for Rancho Mission Viejo and the Santa Margarita Water District. Phase 1B plans were prepared to extend the domestic water and recycled water pipelines approximately 4,000 feet each and included jack-and-bore installation of each pipeline to cross San Juan Creek. \$241,324.23 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION (City and State) State Route 241 to State Route 91 Express Lanes Connector Project Initiation and Project Report and Environmental Document (PSR/PDS and PA/ED), Orange County, CA	(2) YEAR COMPLETED	
		Professional Services 2015 (est.)	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Transportation Corridor Agency. Project Manager. This project involves approximately four miles of roadway improvements, two new bridge structures totaling 2,200 feet and two bridge widenings totaling 375 feet. The project incorporates integration of three tolling agencies and the development of tolling policy to coordinate three separate toll facilities. Coordination between public agencies and private land owners included Caltrans Districts 12 and 8 is required. \$2,150,000 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION (City and State) S.R. 91 Westbound Widening - Final PS&E, Orange County, California	(2) YEAR COMPLETED	
		Professional Services 2015 (est.)	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Orange County Transportation Authority (OCTA). Technical Manager. Responsible for project management. RBF Consulting, a Michael Baker International Company, provided plans, specifications, and estimates (PS&E) for the S.R. 91 widening project. The project consisted of 3.8 miles of freeway widening to convert the westbound auxiliary lanes into through mixed flow lanes between Brookhurst Street and Euclid Street, Euclid Street and Harbor Boulevard, and Raymond Avenue and State College Boulevard. The project also added two-lane exit ramps and associated auxiliary lanes at three interchange locations at the westbound exit ramps to Raymond Avenue, Lemon Street, and Brookhurst Street. \$6,140,249.00 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm



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

a. NAME Susan J. Harden, AICP, CMSM, LEED AP, CNU-A	b. ROLE IN THIS CONTRACT Public Outreach	c. YEARS EXPERIENCE	
		1. TOTAL 21	2. WITH CURRENT FIRM 15
d. LOCATION (City and State) RBF Consulting, a Michael Baker International Company, Irvine, California			
e. EDUCATION (DEGREE AND SPECIALIZATION) M.E.P., Environmental Planning, Arizona State University, 1998 B.A., Architectural Studies, University of Kansas, 1993 B.A., Environmental Studies, University of Kansas, 1993 Certificate, Dialogue, Deliberation and Public Engagement, Fielding Graduate University, 2007		f. PROFESSIONAL TRAINING - REGISTRATIONS American Institute of Certified Planners, #015065 Congress for the New Urbanism, 2009 LEED Accredited Professional Certified Main Street Manager, 2002 Prof Certificate in Neighborhood Reinvestment, 2005 Cert Dialogue, Deliberation & Public Engagement, 2007	

g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.)
 Member, American Institute of Certified Planners (AICP); Certified Main Street Manager; Member, APA; Member, California Planning Association; Member, Arizona Planning Association; Member, Oregon Planning Association; Member, Washington Planning Association; Member, International Association of Public Participation; Member, Neighborhoods USA (NUSA); RBF "Excellence in Teamwork" Award Winner; RBF "Client Service Award" Winner

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (City and State) NeighborWorks® America (National Training Program), Various Locations	(2) YEAR COMPLETED	
		Professional Services Ongoing	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Neighborhood Reinvestment Corp.. Project Manager. Ms. Harden is on the faculty of the NeighborWorks® Training Institute's training program of the national non-profit organization, NeighborWorks® America, which was created by Congress to provide financial support, technical assistance, and training for community-based revitalization efforts. Training is typically conducted in classroom settings at locations throughout the United States. Ms. Harden developed materials and teaches several courses, including Essential Tools of the Trade: Neighborhood Revitalization; Community Involvement Strategies for Revitalization; Reading a Neighborhood: What a Walk Around the Block Can Tell You; Green Strategies for More Livable Neighborhoods; and Walkability and Bikeability for Healthy, Vibrant Neighborhoods.	<input checked="" type="checkbox"/> Check if project performed with current firm	
2.	(1) TITLE AND LOCATION (City and State) Orange County Healthy Communities Forum 2014, Irvine, California	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Outreach Leader. Moderator. RBF Consulting, a Michael Baker International Company, organized, moderated, and sponsored a day-long regional conference on planning for healthy communities, partnering once again with the Orange County Health Care Agency and the UC Irvine Community Outreach Partnership Center. This partnership had already produced two graduate practicum courses at UCI with RBF staff as the primary instructors of the year-long courses, which engaged planning students in preparing recommendations for area cities to improve health in targeted neighborhoods.	<input checked="" type="checkbox"/> Check if project performed with current firm	
3.	(1) TITLE AND LOCATION (City and State) Bus and Bus Facilities Livability Initiative Program, Monterey, CA	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE City of Monterey. Community Involvement Coordinator. RBF prepared a grant application to the Federal Transit Administration for its Bus and Bus Facilities Livability Initiative Program. The project includes public outreach, conceptual designs, evaluation of potential impacts to the existing transportation system, and preparation of grant applications. The grant will fund the Monterey Salinas Transit and the City of Monterey Interim Del Monte Avenue Bus Rapid Transit Project and the multimodal transit center. \$100,000 (Fee)	<input checked="" type="checkbox"/> Check if project performed with current firm	
4.	(1) TITLE AND LOCATION (City and State) Downtown Parking Management Plan, Laguna Beach, CA	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE City of Laguna Beach. Community Involvement Coordinator/Facilitator. Building upon a strong history with the City, RBF is currently developing a parking management plan for Downtown Laguna Beach and Laguna Canyon Road. The complex project has included numerous workshops and community presentations facilitated by RBF. The workshops and outreach process have are helping the community move in a positive direction on a historically controversial and divisive topic. \$100,000 (Fee)	<input checked="" type="checkbox"/> Check if project performed with current firm	
5.	(1) TITLE AND LOCATION (City and State) Park Avenue Over Grand Canal Bridge Replacement Project, Newport Beach, California	(2) YEAR COMPLETED	
		Professional Services 2015 (est.)	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE City of Newport Beach. Outreach Leader. Responsible for project management. RBF Consulting, a Michael Baker International Company, provided design services for the Park Avenue over Grand Canal Bridge Replacement project. RBF developed preliminary design options for replacing the deteriorating bridge, built in 1930, which is the only link (besides watercraft) between Balboa Island and the small adjacent island known as "Little Balboa." RBF also provided roadway design, regulatory permitting, community outreach, and constructibility evaluation. \$886,100.00 (Fee)	<input type="checkbox"/> Check if project performed with current firm	



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

a. NAME John H. Harris, P.E.	b. ROLE IN THIS CONTRACT Water Resources	c. YEARS EXPERIENCE	
		1. TOTAL 35	2. WITH CURRENT FIRM 35
d. LOCATION <i>(City and State)</i> RBF Consulting, a Michael Baker International Company, San Diego, California			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> M.S., Civil Engineering, San Diego State University, 1988 B.S., Civil Engineering, San Diego State University, 1981		f. PROFESSIONAL TRAINING - REGISTRATIONS AZ, Professional Engineer - Civil, C27775, 1981 CA, Professional Engineer - Civil, 38217, 1984	

g. OTHER PROFESSIONAL QUALIFICATIONS *(Organizations, Awards, etc.)*
Design-Build Workshop, 2008, EGCA; American Society of Civil Engineers; Society of American Military Engineers; Civil Engineers and Land Surveyors of California, (Past President San Diego Section); American Public Works Association; RBF "Excellence in Teamwork" Award Winner

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION <i>(City and State)</i> Sewer Collection System Rehabilitation and Repair Program, Avalon, California	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <i>City of Avalon.</i> Project Manager. Responsible for project management. RBF Consulting, a Michael Baker International Company, provided comprehensive engineering and program management services for the inspection and rehabilitation of the city's 20-mile sanitary sewer system. RBF's services included closed-circuit television (CCTV) condition assessment, engineering design, bidding-phase support, and construction management at-risk for the complete rehabilitation and repair of the entire sewer collection system, and the development of a compliance program for maintenance of the system, including a geographic information system (GIS)-based inspection and tracking system. \$5,317,583.45 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION <i>(City and State)</i> Alvarado Trunk Sewer Phase 3A Design-Build, San Diego, CA	(2) YEAR COMPLETED	
		Professional Services 2014 (est.)	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <i>TC Construction.</i> Project Manager. RBF provided engineering services for the design-build replacement and realignment of an existing 24-inch trunk sewer in an environmentally sensitive area using trenchless construction techniques. The project involved upsizing 800 feet of the Alvarado Trunk Sewer to 36-inches and constructing the new alignment outside of the Alvarado Creek, a wetland habitat into which City of San Diego maintenance crews were restricted access. In order to minimize disturbance to both the creek and the surrounding community, RBF employed jack and bore trenchless tunneling for 600 feet of the pipeline and pipe ramming technology for the other 200 feet. Additionally, the project replaced approximately 500 feet of 8-inch collector sewer lines with new 12-inch pipe. \$200,000 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION <i>(City and State)</i> Johnson Avenue Trunk Sewer Replacement, El Cajon, California	(2) YEAR COMPLETED	
		Professional Services 2015 (est.)	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <i>El Cajon, City of.</i> Technical Specialist. Technical Reviewer assisting with constructibility review and risk avoidance strategies during final design for the replacement of 1.8 miles of sewer pipeline ranging in size from 8-inch to 48-inch. The alignment varies in depth from 18-22 feet and portions run through high ground water with silted-sand soils, some of which are contaminated with hazardous substances. The proposed alignment crosses Interstate 8 and under Johnson Avenue Creek, necessitating a 550-foot jack and bore operation. At the 60% design, RBF Consulting, a Michael Baker International Company, identified a number of constructibility and project sequencing issues, such as conflicts with the existing sewer system during construction of the new sewer pipe, utility conflicts and junction structure construction with live flow up to 20 MGD. RBF provided innovative solutions for to address these items. \$580,000.00 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION <i>(City and State)</i> Harbor Drive and Lindbergh Field Cast Iron Pipeline Replacement, San Diego, California	(2) YEAR COMPLETED	
		Professional Services 2014 (est.)	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <i>City of San Diego Economic Development.</i> Project Manager. Responsible for the replacement approximately seven miles of cast iron water pipelines beginning at Catalina Drive in Point Loma and ending at the bridge on North Harbor Drive, as well as a 16-inch cast iron water pipeline that begins in front of Lindbergh Field and ends at the intersection of Laurel Street and Pacific Highway. RBF Consulting, a Michael Baker International Company, provided engineering services for the replacement of approximately seven miles of cast iron water pipelines beginning at Catalina Drive in Point Loma and ending at the bridge on North Harbor Drive and a 16-inch cast iron water pipeline that begins in front of Lindbergh Field and ends at the intersection of Laurel Street and Pacific Highway. The project also included replacement of an existing waterline that extends onto airport property and two pressure reducing stations. Coordination with the airport, Port of San Diego, City of San Diego, utilities and community groups was essential. \$996,177.00 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION <i>(City and State)</i> As-Needed Civil Engineering Consulting Services, San Diego, CA	(2) YEAR COMPLETED	
		Professional Services 2015 (est.)	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <i>City of San Diego.</i> Project Manager. RBF is providing as-needed civil engineering consulting services for a variety of public works projects. \$880,000 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm



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

a. NAME Gregory A. Helmer, P.L.S.	b. ROLE IN THIS CONTRACT Survey/Mapping	c. YEARS EXPERIENCE	
		1. TOTAL 40	2. WITH CURRENT FIRM 26
d. LOCATION (City and State) RBF Consulting, a Michael Baker International Company, Irvine, California			
e. EDUCATION (DEGREE AND SPECIALIZATION) B.A., Organizational Leadership, Chapman University, 2010 A.A., Business Administration, Palomar College, San Marcos, CA, 1991		f. PROFESSIONAL TRAINING - REGISTRATIONS CO, Professional Land Surveyor, 28272, 1992; AZ, Professional Land Surveyor, 32228, 1997; CA, Professional Land Surveyor, 5134, 1982; NV, Professional Land Surveyor, 11432, 1995	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) Fellow, American Congress on Surveying and Mapping; Member, American Association for Geodetic Surveying; Member, Council of Professional Surveyors; Member, California Land Surveyors Association; Founding Officer, California Spatial Reference Center; Publications: "Scouting Meets Surveying", Point of Beginning, June 2007. G. A. Helmer, "Geoid09 & USGG2 2009: Geodetic Models for California Orthometric Heights", California Surveyor Magazine, December 2009.; RBF "Excellence in Teamwork" Award Winner			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (City and State) On-Call Survey and Mapping Services, Los Angeles County, California	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE County of Los Angeles. QA/QC. RBF provided aerial and supplemental ground topographic surveys, digital terrain modeling, volume calculations, boundary and right-of-way surveys, under a two-year, on-call contract for various projects located throughout the County of Los Angeles. RBF submitted deliverables in MicroStation and InRoads digital files that incorporated the County's CADD specifications and cell library, and storage tables. RBF also submitted weekly status reports and final survey reports. \$771,500 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION (City and State) City of Corona On-Call Plan Check Services, Corona, California	(2) YEAR COMPLETED	
		Professional Services 2015 (est.)	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE City of Corona. Principal-In-Charge. Responsibilities included overall project oversight. RBF Consulting, a Michael Baker International Company, provided plan check review for development projects, including the Sierra Bella, Arantline Hills, Villages of Terrassa, Montecito, and Encanto Apartments. Task orders included reviews of plan-check submittals for various apartment development plans for compliance with city codes, policies, project conditions of approval, and applicable federal and state requirements. The team also provided review of water quality and drainage aspects for the proposed developments. The Arantline Hills project included review of a future RCFCD facility, and the plan check was completed in coordination with the district. \$519,550.88 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION (City and State) Metro Gold Line Intermodal Parking Facilities and Enhancements, Arcadia, Duarte, Irwindale, and Azusa, California	(2) YEAR COMPLETED	
		Professional Services 2015 (est.)	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Metro Gold Line Foothill Extension Construction Authority. Survey Manager. Responsibilities included survey oversight. RBF is providing professional services for the Metro Gold Line Authority's Intermodal Parking Facilities and Enhancements Design-Build Project. The project involves six transit station sites, four of which will include the design of structured parking, located within the cities of Arcadia, Monrovia, Duarte, Irwindale and Azusa. The project includes off-site intersection improvements to provide mitigation measures in accordance with the Final EIR mitigation measures, as well as two Traction Power Supply Substation (TPSS) sites at the Michillinda and Soldano TPSS sites. RBF is providing all on-site and off-site design and survey services including civil, drainage, water quality, structural, traffic, environmental, legal descriptions, exhibits, and utility design services for all sites. \$1,959,075.00 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION (City and State) Interstate 5 / Jamboree Road Interchange Improvement, Irvine, California	(2) YEAR COMPLETED	
		Professional Services 2014 (est.)	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE City of Irvine. Survey Manager. Responsibilities included overall project oversight. RBF Consulting, a Michael Baker International Company, prepared a Permit Engineering Evaluation Report (PEER) for the I-405/Jamboree Road Interchange southbound exit ramp widening. The intersection experiences congestion from the high volume of vehicles on Jamboree Road and turning volumes at the southbound I-405 ramp intersection. The proposed improvements include left-turn lane and retaining wall construction, overhead sign structure reconstruction, traffic signal modification, minor drainage improvements, and utility coordination. RBF prepared new aerial topographic mapping, a traffic analysis, preliminary improvement plans, cost estimates, and environmental technical studies in support of a CEQA Categorical Exemption. \$1,707,824.46 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION (City and State) Port of Long Beach Reefer Wash Plan Review, Long Beach, California	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Port of Long Beach. Project principal. Responsible for planning and execution of boundary determination and land title survey of private leasehold property within the Port District property. Adjoining private property lines were reconciled together with aerial rights of way for the 710 Freeway ramps, and dock privileges. \$33,000 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm



ATTACHMENT I – General Qualifications
ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729

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Phoenix, Arizona 85007

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

a. NAME Steven J. Huff, P.E.	b. ROLE IN THIS CONTRACT Transportation Engineering	c. YEARS EXPERIENCE	
		1. TOTAL 31	2. WITH CURRENT FIRM 31
d. LOCATION <i>(City and State)</i> RBF Consulting, a Michael Baker International Company, Irvine, California			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B.S., Civil Engineering, California State Polytechnic University, Pomona, 1983		f. PROFESSIONAL TRAINING - REGISTRATIONS CA, Professional Engineer - Civil, 42292, 1987 AZ, Professional Engineer - Civil, 34726, 2000	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> Board Member, Mobility 21 Advisory; Member, ASCE; Chairman, Caltrans District 12 Liaison Committee; RBF "Excellence in Teamwork" Award Winner			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION <i>(City and State)</i> On-Call Engineering Support Services - Caltrans (Contract No. 12A1195), District 12, Orange County, CA	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Caltrans - District 12. Project Manager. RBF is providing project development and design services to improve and repair the State's transportation system throughout Orange County. Task orders have included development of the traffic management plan for I-5 at Jamboree Road; development of a traffic management plan for the S.R. 55 auxiliary lane; preparation of a project report for the S.R. 91 westbound lanes from S.R. 55 to Tustin Avenue; the preparation of final plans, specifications, and estimate for the S.R. 241 metal beam guardrail replacement; the preparation of the project report and plans, specifications, and estimate for S.R. 22 at Tustin Avenue eastbound and westbound ramp intersections; and the preparation of the project report and plans, specifications, and estimate for roadway slope stabilization on S.R. 1 in Laguna Beach. \$3,000,000 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION <i>(City and State)</i> 2012-2014 State Route 91 Implementation Plan, Orange and Riverside Counties, California	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Orange County Transportation Authority (OCTA). Principal-In-Charge. Responsible for overall management oversight, allocation of staff resources, quality control of work program deliverables, as well as financial and client management. RBF Consulting, a Michael Baker International Company, completed 2012, 2013, and 2014 updates to the Orange County Transportation Authority's (OCTA) State Route 91 Implementation Plan. The updates, which were completed on an aggressive schedule, enhance the plan to provide solutions to improve mobility between Orange and Riverside Counties. \$150,000.00 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION <i>(City and State)</i> Interstate 605 Congestion Hot Spots Feasibility Study, Los Angeles County, CA	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Metropolitan Transportation Agency. Principal-in-Charge. This project analyzed congestion improvement alternatives for various hot spots along 40-plus miles of the I-605, I-405 and SR-91 freeways in Los Angeles County. This study included improvements to freeway-to-freeway interchanges, local interchanges, freeway mainline, and arterial streets through 13 cities in the Gateway City COG. \$5,700,000 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION <i>(City and State)</i> State Route 57 / Lambert Road Interchange Improvements Project, Brea, California	(2) YEAR COMPLETED	
		Professional Services 2015 (est.)	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE City of Brea. Technical Manager. Responsibilities included overall project oversight. RBF Consulting, a Michael Baker International Company, is leading the preparation of a Project Report and Environmental Document (Initial Study / Mitigated Negative Declaration) for the SR-57 / Lambert Road interchange in the City of Brea. The project was initiated by the City to mitigate existing and forecast traffic congestion within the interchange. Two build alternatives are being engineered and evaluated: 1) Modified Tight Diamond interchange, and 2) Combined Partial Clover-Leaf / Diamond interchange. Critical design aspects include coordination of project design with two other freeway improvement projects: 1) SR-57 / Northbound Widening Project (under construction), and 2) SR-57 Northbound Climbing Lane Project (future M2 Freeway Program project). The project includes the widening of two bridge structures, retaining walls, sound walls, drainage improvements, and acquisition of right-of-way. \$1,166,263.00 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION <i>(City and State)</i> S.R. 91 Westbound Widening - Final PS&E, Orange County, California	(2) YEAR COMPLETED	
		Professional Services 2015 (est.)	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Orange County Transportation Authority (OCTA). Technical Manager. Responsibilities included overall project oversight. RBF Consulting, a Michael Baker International Company, provided plans, specifications, and estimates (PS&E) for the S.R. 91 widening project. The project consisted of 3.8 miles of freeway widening to convert the westbound auxiliary lanes into through mixed flow lanes between Brookhurst Street and Euclid Street, Euclid Street and Harbor Boulevard, and Raymond Avenue and State College Boulevard. The project also added two-lane exit ramps and associated auxiliary lanes at three interchange locations at the westbound exit ramps to Raymond Avenue, Lemon Street, and Brookhurst Street. \$6,140,249.00 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm



ATTACHMENT I – General Qualifications

**ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729**

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

a. NAME Darin P. Johnson, P.E.	b. ROLE IN THIS CONTRACT	c. YEARS EXPERIENCE	
		1. TOTAL 31	2. WITH CURRENT FIRM 15
d. LOCATION (City and State) RBF Consulting, a Michael Baker International Company, Irvine, California			
e. EDUCATION (DEGREE AND SPECIALIZATION) M.B.A., Business Administration, Georgia State University, 1989 B.S., Civil Engineering, North Dakota State University, 1983		f. PROFESSIONAL TRAINING - REGISTRATIONS CA, Professional Engineer - Civil, 46405, 1990; NV, Professional Engineer - Civil, 014637, 2000; AZ, Professional Engineer - Civil, 35388, 2000	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) Member, ASCE; American Society of Civil Engineers; American Public Works Association; RBF "Excellence in Teamwork" Award Winner; RBF "Client Service Award" Winner			

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	Interstate 10/Jefferson Street Interchange Improvements, Indio, California	2015 (est.)	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <i>County of Riverside.</i> Project Manager. Responsible for project management. RBF Consulting, a Michael Baker International Company, performed environmental and engineering services for the preparation of the project report (PR), modified access report (MAR), and plans, specifications, and estimate for I-10/Jefferson Street interchange improvements. This project will balance several complex geometric constraints to eliminate the discontinuity of the arterial street through movements within the interchange. The interchange is included in the I-10 Corridor Plan, prepared by the Coachella Valley Association of Governments (CVAG), which requires specific architectural and landscape treatments to the improved or new interchanges located within the plan. The modifications included replacement and relocation of the Jefferson Street/I-10 overcrossing, additional loop on-ramps, and realignment of Varner Road and Jefferson Street. RBF was responsible for alternatives analysis and design, environmental investigations, roadway design, traffic studies, drainage studies, and structure advance-planning studies. Working closely with Caltrans and the City of Indio, RBF provided a wide range of environmental consulting services. RBF prepared the following studies in support of a joint initial study-environmental assessment (IS/EA): Visual impact analysis (VIA); noise impact report, per TNAP; initial site assessment; natural environment study; report-biological assessment, HPSR/ASR/AER; air quality report and CO hotspot analysis; Section 7 consultation; and Section 106 compliance. In addition, RBF developed the final plans, specifications, and estimates. Preparation of construction plans included roadway layouts and profiles, bridge plans, retaining walls, grading, drainage, signing and striping, traffic signal, lighting, and staged construction. \$3,071,853.64 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	Calleguas Creek Bike Trail - Phase 2, Camarillo, California	2014	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <i>City of Camarillo.</i> Project Manager. Responsible for project management. RBF Consulting, a Michael Baker International Company, provided the City of Camarillo with engineering design and surveying services for the preparation of plans, specifications, and estimates for the Calleguas Creek Bike Trail improvement project, a Class 1 bike trail along Calleguas Creek and the undercrossing of the U.S. Highway 101. RBF provided planning and engineering designs that met the needs of the City, Caltrans, and Ventura County Watershed Protection District. Services also included drainage improvements in areas along the existing Phase 1 portion of the trail. \$302,773.16 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	State Route 91 Westbound Widening (Final PS&E, Westbound from I-5 to SR-57), Orange County, California	Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Independent Quality Control Reviewer. The SR-91 widening project includes final design of 3.8 miles of freeway widening that will convert the existing westbound auxiliary lanes into through mixed flow lanes between Brookhurst Street and Euclid Street, Euclid Street and Harbor Boulevard, and Raymond Avenue and State College Boulevard through each interchange. The project will also add two-lane exit ramps and associated auxiliary lanes at three interchange locations. \$5,700,000 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	On-Call Survey and Mapping Services, Los Angeles County, California	2013	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <i>County of Los Angeles.</i> Principal-in-Charge. RBF provided aerial and supplemental ground topographic surveys, digital terrain modeling, volume calculations, boundary and right-of-way surveys, under a two-year, on-call contract to provide surveying services for various projects located throughout the County of Los Angeles for the Los Angeles County Department of Public Works. RBF also submitted weekly status reports and final survey reports. \$771,500 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	Vineyard Avenue Improvements / Street Widening, California	2015 (est.)	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <i>Riverpark Legacy LLC.</i> Project Manager. Responsible for project management. RBF Consulting, a Michael Baker International Company, provided engineering design services for the preparation of plans, specifications, and estimates for the Vineyard Avenue (SR-232) widening project. The project was permitted through Caltrans and coordinated with adjacent improvement projects west of Vineyard Avenue. Surveying included design topography, right-of-way mapping, preparation of right-of-way dedication, and abandonment documents. \$379,340.00 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm



ATTACHMENT I – General Qualifications

**ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729**

**STATE PROCUREMENT OFFICE
Department of Administration
100 North 15th Avenue, Suite 201
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4. Resumes of Key Personnel Proposed for this Contract (Complete one Section 4 for each key person.)

a. NAME S. Robert Kallenbaugh, P.E.	b. ROLE IN THIS CONTRACT Principal-in-Charge	c. YEARS EXPERIENCE	
		1. TOTAL 40	2. WITH CURRENT FIRM 37
d. LOCATION (City and State) RBF Consulting, a Michael Baker International Company, Irvine, California			
e. EDUCATION (DEGREE AND SPECIALIZATION) M.S., Civil Engineering, Stanford University, 1975 B.S., Civil Engineering, California State Polytechnic University, Pomona, 1974		f. PROFESSIONAL TRAINING - REGISTRATIONS CA, Professional Engineer - Civil, 27987, 1977	

g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.)
Member, ASCE; Member, American Water Resources Association; Past President, Orange County Chapter of California Council of Civil Engineers and Land Surveyors; Member, National Honor Fraternity of Tau Beta Pi and Phi Kappa Phi; Past Board Member, Building Industry Association of Orange County; Past Board Member, Civil Engineers and Land Surveyors of California; Member, U.C. Irvine Civil Engineering Affiliates; Board Member, YMCA, Orange County; Past Member, Lake Forest Parks & Recreation Commission; Member, Industry Action Council, Civil Engineering, Cal Poly State University, Pomona; Member, Urban Land Institute; Member, ASCE National Infrastructure Policy Committee

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (City and State) Transportation Planning - Southern California Logistics Airport (SCLA), Victorville, CA	(2) YEAR COMPLETED	
		Professional Services Ongoing	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Stirling Enterprises, LLC. Principal-In-Charge. RBF provided several services to the Southern California Logistics Airport (SCLA), including all transportation planning and circulation analyses. RBF provided planning, survey and engineering support to the development team and city. Based on the proposed SCLA land-use plan, RBF prepared an on-site and off-site roadway and intersection analysis to determine the traffic impacts and related mitigation measures associated with the proposed project in accordance with Caltrans and San Bernardino Association of Governments (SANBAG) requirements to accommodate project-generated traffic. The analysis also addresses the planned S.R.18 freeway, which has been proposed south of the project site, including the potential locations of freeway interchanges to serve the project site. \$400,000,000 (Construction)	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION (City and State) Metro Gold Line Intermodal Parking Facilities and Enhancements, Arcadia, Duarte, Irwindale, and Azusa, CA	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Watry Design. Principal-in-charge. RBF is providing professional services for the Metro Gold Line Authority's Intermodal Parking Facilities and Enhancements Design-Build Project. The project involves six transit station sites, four of which will include the design of structured parking, located within the cities of Arcadia, Monrovia, Duarte, Irwindale and Azusa. The project includes off-site intersection improvements to provide mitigation measures in accordance with the Final EIR mitigation measures, as well as two Traction Power Supply Substation (TPSS) sites at the Michillinda and Soldano TPSS sites. RBF is providing all on-site and off-site design and survey services including civil, drainage, water quality, structural, traffic, environmental, legal descriptions, exhibits, and utility design services for all sites. \$1,800,000 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION (City and State) Interstate 5 / Crown Valley Parkway, Orange County, CA	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE City of Laguna Niguel. Principal-In-Charge. Responsibilities included overall project oversight. \$109,240 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION (City and State) Great Park Neighborhoods and Orange County Great Park (Heritage Fields), Irvine, CA	(2) YEAR COMPLETED	
		Professional Services Ongoing	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Fivepoint Communities. Project Principal. RBF provided civil engineering services for this project which encompasses 850 acres of the former El Toro Marine Corps Air Station and borders the Great Park. It will provide approximately 1,100 residential dwelling units together with two golf courses, riparian corridors, lake features and trail connections. \$5,750,000 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/>	Check if project performed with current firm



ATTACHMENT I – General Qualifications

**ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729**

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

a. NAME Anna Y. Lantin, P.E., CPESCÂ®, CPSWQ	b. ROLE IN THIS CONTRACT	c. YEARS EXPERIENCE	
		1. TOTAL 25	2. WITH CURRENT FIRM 16
d. LOCATION (City and State) RBF Consulting, a Michael Baker International Company, Irvine, California			
e. EDUCATION (DEGREE AND SPECIALIZATION) Graduate Studies, Colorado State University B.S., Civil Engineering, Colorado State University, 1990		f. PROFESSIONAL TRAINING - REGISTRATIONS CA, Professional Engineer - Civil, 55043, 1996; AZ, Professional Engineer - Civil, 34529, 2000; CA, Certified Inspector of Sediment & Erosion Control, 2781, 2004; Certified Professional Storm Water Quality, 0079, 2004	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) Rebecca Kinney and Anna Lantin, "Coastal Community Incorporates Sustainable Design", Urban Water Management, July, 2007; Chair, California Stormwater Quality Association (CASQA) BMP Subcommittee; Member, International Erosion Control Association; Member, American Society of Civil Engineers; RBF "Client Service Award" Winner; RBF "Excellence in Teamwork" Award Winner			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (City and State) Orange Unified School District Storm Water Management Services, Orange, California	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Orange Unified School District. Technical Specialist. Responsible for technical oversight. RBF Consulting, a Michael Baker International Company, assisted the Orange Unified School District with stormwater management services. The district was subject to the Phase II Small Municipal Separate Storm Sewer System (MS4) Permit. RBF assisted the district in understanding and meeting the requirements of the various stormwater permits that potentially impacted the Lampson Elementary School Modernization project. RBF worked with the district and the city to establish an appropriate water quality strategy to meet applicable NPDES permits. RBF also provided survey services for a three-acre parking lot at a high school site and designed a treatment best management practice (BMP) to meet the requirements for post-construction BMPs as part of the construction general permit. \$14,440.20 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION (City and State) Caltrans Statewide TMDL Assistance Strategic Planning (Contract Nos. 43A0182 and 43A0286), California	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Caltrans. Project Manager. RBF has been assisting Caltrans in addressing issues pertaining to total maximum daily loads (TMDLs) throughout the State of California since 2005. RBF provided professional services to review and develop comments on documents developed by the state water resources control board (SWRCB) and the nine regional water quality control boards (RWQCBs) in their development of TMDLs. RBF also supported Caltrans staff during meetings, workshops, and public hearings with the RWQCB and SWRCB. \$1,280,000 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION (City and State) Caltrans Enforcement Action Tracking (Contract No. 43A0182 - Task Order 26), Statewide, CA	(2) YEAR COMPLETED	
		Professional Services Ongoing	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Caltrans. Task Order/Contract Manager. RBF has been assisting Caltrans headquarters with tracking and assessing enforcement actions issued to Caltrans. RBF has collected information on over 350 current and historic Regional Water Quality Control Board enforcement actions (1998-2008) for violations of the Caltrans Statewide Stormwater Permit, Order No. 99-06-DWQ. \$400,000 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION (City and State) Caltrans Statewide On-Call Storm Water Management (Contract No. 43A0286), California	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Caltrans. Project Manager. RBF provided stormwater management for a variety of projects in California. Projects included renewal of the statewide National Pollutant Discharge Elimination System (NPDES) permit, response to a U.S. Environmental Protection Agency audit, total maximum daily load (TMDL) allocations, development of water quality standards, areas of special biological significance (ASBS), and construction general permit. \$20,000,000 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION (City and State) Qualified SWPPP Developer/Qualified SWPPP Practitioner Services, California	(2) YEAR COMPLETED	
		Professional Services Ongoing	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE RBF and its partners have provided QSD/P services for multiple clients on a wide variety of construction projects ranging all risk levels and project types. Services included: emergency construction stormwater assistance, full QSD/P services, peer review of SWPPPs, QSP oversight services, best management practice (BMP) installation oversight, erosion and sediment control plan design and recommendations, field sampling, and contractor coordination.	<input checked="" type="checkbox"/>	Check if project performed with current firm



ATTACHMENT I – General Qualifications

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

a. NAME John McCarthy, P.E., CFM	b. ROLE IN THIS CONTRACT Water Quality	c. YEARS EXPERIENCE	
		1. TOTAL 26	2. WITH CURRENT FIRM 26
d. LOCATION <i>(City and State)</i> RBF Consulting, a Michael Baker International Company, Irvine, California			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B.S., Civil Engineering, California Polytechnic State University, San Luis Obispo, 1989; Certificate, Light Construction and Development Management, 1997		f. PROFESSIONAL TRAINING - REGISTRATIONS CA, Professional Engineer - Civil, 47583, 1991; NV, Professional Engineer - Civil, 15419, 2002; AZ, Professional Engineer - Civil, 62906, 2010; Certified Floodplain Manager, US-05-01596, 2005	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> Member, California Alluvial Fan Task Force (appointed by the Director, State of California Department of Water Resource); Member, ASCE; Member, Society of American Military Engineers (SAME); Member, Association of State Floodplain Managers (ASFPM); Member, Floodplain Management Association (FMA); Member, American Council of Engineering Companies, California (ACEC); RBF "Excellence in Teamwork" Award Winner			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION <i>(City and State)</i> Caltrans On-Call Technical and Professional Storm Water Services (Contract Nos. 43A0182 and 43A0286), California	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Caltrans. Project Manager. Under a three-year contract with Caltrans, RBF provided on-call statewide stormwater services. Work was related to continued development and refinement of Caltrans' statewide Storm Water Management Program with a goal to integrate appropriate stormwater control activities into ongoing activities and thus make control of stormwater pollution a part of Caltrans' normal business practices. \$13,000,000 (Fee Estimate)	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION <i>(City and State)</i> Laguna Canyon Creek Erosion Protection and Habitat Restoration Project, Orange County, California	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable) 2011
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager. RBF provided planning, design, and permitting for the construction of a long-term erosion protection and habitat restoration within Laguna Canyon Creek that traverses a City owned parcel along Laguna Canyon Road. The site houses the City Animal Shelter and the Pacific Marine Mammal Center. The erosion of the creek banks are threatening the animal shelter facility and undermining the parking lot. The erosion protection project will protect the facilities, improve the flow characteristics of the creek, enhance and restore habitat, and reduce flooding potential without negatively affecting upstream or downstream properties. \$200,000 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION <i>(City and State)</i> Buck Gully Canyon Restoration Project - Engineering and Environmental Services, Newport Beach, California	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <i>City of Newport Beach.</i> Project Manager. Responsible for project management. RBF Consulting, a company of Michael Baker Corporation, provided planning, design, and permitting for the construction of erosion control improvements for the stabilization and restoration of Lower Buck Gully. The canyon had been experiencing significant erosion in recent years as a result of urbanization within its watershed boundaries. The proposed project included the reconstruction and restoration of Lower Buck Gully channel through the use of grade control structures and bendway weirs. \$458,000 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION <i>(City and State)</i> Santa Paula Creek Watershed Planning Project, Ventura, County, California	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <i>Santa Paula Creek Fish Ladder Authority.</i> Project Manager. Responsible for hydrologic and hydraulic engineering, including the development and calibration of HEC-HMS and HEC-RAS computer models, for the detailed evaluation of the watershed and creek. RBF performed a watershed assessment and feasibility study to develop comprehensive recommendations for restoration of fish passage and stabilization of the main stem of Santa Paula Creek, while maintaining water diversion rights, for the California Department of Fish and Game and the Santa Paula Creek Fish Ladder Authority. RBF provided hydrologic and hydraulic engineering modeling, habitat evaluations, development of potential project alternatives, and preparation of a watershed planning study. \$498,000 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input type="checkbox"/>	Check if project performed with current firm



ATTACHMENT I – General Qualifications
ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729

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

a. NAME Bradley R. Mielke, P.E., S.E.	b. ROLE IN THIS CONTRACT Structural Engineering	c. YEARS EXPERIENCE	
		1. TOTAL 36	2. WITH CURRENT FIRM 22
d. LOCATION <i>(City and State)</i> RBF Consulting, a Michael Baker International Company, Irvine, California			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B.A., Management Engineering, Claremont Men's College, Claremont, CA, 1978 B.S., Architectural Engineering (Structural Design Option), California Polytechnic State University, San Luis Obispo, 1978		f. PROFESSIONAL TRAINING - REGISTRATIONS AZ, Professional Engineer - Civil, 17917, 1984; AZ, Structural Engineer, 32611, 1991; CA, Professional Engineer - Civil, 33334, 1981; CA, Registered Disaster Service Worker, SA0158 CA, Structural Engineer, 2817, 1986	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> Member, Structural Engineers Association of California (SEAOC); SEAOC Disaster Services Committee Team Leader; SEAOC Seismology Committee - Masonry Subcommittee Chair; RBF "Excellence in Teamwork" Award Winner			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION <i>(City and State)</i> State Route 91 Westbound Widening (Final PS&E, Westbound from I-5 to SR-57), Orange County, CA	(2) YEAR COMPLETED	
		Professional Services Ongoing	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Structures Manager. Responsible for preparation of PS&Es for seven bridges (widening and bridge retrofit), retaining walls, overhead sign structures and drainage structures. The project included final design of 3.8 miles of freeway widening to convert the existing westbound auxiliary lanes into through mixed flow lanes between Brookhurst Street and Euclid Street, Euclid Street and Harbor Boulevard, and Raymond Avenue and State College Boulevard through each interchange. \$6,000,000 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION <i>(City and State)</i> Date Palm Drive Bridge over Whitewater River, Cathedral City, CA	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal-in-Charge and Structures Manager for Environmental Document and Final Engineering Phases of a 760-foot long bridge project consisting of widening from four lanes to six lanes of traffic, seismic retrofit, and roadway improvements including pedestrian and bike lane enhancements. The original 1981 bridge consists of 9 spans, precast P/S I-girder supported on pier walls and pile foundations. The symmetrical widening matched the existing superstructure type on a 45 degree skew. Scour protection countermeasures were used for protecting existing piles while new pile foundations were placed at sufficient depth to resist high scour conditions. Other features included retrofitting with the existing bridge with girder cable restrainers, hinge retrofit, and deck repairs. This HBR project complied with Caltrans latest 2010 Amendments including SDC and LRFD criteria, and Local Assistance Procedures Guide in District 8. \$1,200,000 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION <i>(City and State)</i> P-637 Infantry Squad Defense Range with Access Road and Bridge, MCB Camp Pendleton, CA	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Structural Engineer. RBF is providing full design, including plans, specifications and estimates for the Infantry Squad Defense Range with an access road and bridge. Design for the training range facility includes the access road with bridge, targeting systems, supporting facilities and buildings, utilities, paving and site improvements, environmental mitigation, anti-terrorism/force protection and incidental related work. The range itself is a 600 meter exterior rifle range with fixed, pop-up and moving targets. Structural elements of the project include 5,081 SF vehicular bridge, 194 SF ammunition breakdown building, 3,294 SF enclosed bleacher, 7,965 SF general instruction building, 797 SF operations storage facility and 258 SF range control tower. \$1,900,000 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input type="checkbox"/>	Check if project performed with current firm



ATTACHMENT I – General Qualifications

**ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729**

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

a. NAME John Nagle, P.E.	b. ROLE IN THIS CONTRACT	c. YEARS EXPERIENCE	
		1. TOTAL 27	2. WITH CURRENT FIRM 27
d. LOCATION <i>(City and State)</i> RBF Consulting, a Michael Baker International Company, Irvine, California			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> M.S., Civil Engineering, Loyola Marymount University, 1996 B.S., Civil Engineering, Loyola Marymount University, 1987		f. PROFESSIONAL TRAINING - REGISTRATIONS CA, Professional Engineer - Civil, 46972, 1991; AZ, Professional Engineer - Civil, 49684, 2009 NV, Professional Engineer - Civil, 14762, 2001; NV, Water Rights Surveyor, 1101, 2001	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> American Society of Civil Engineers (ASCE); Member, American Water Works Association; Member, American Public Works Association; Member, National Society of Professional Engineers; Member, Orange County Water Association;; RBF "Excellence in Teamwork" Award			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION <i>(City and State)</i> Castaic Lake Water Agency On-Call Engineering Services, Santa Clarita, CA	(2) YEAR COMPLETED	
		Professional Services Ongoing	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <i>Castaic Lake Water Agency.</i> Project Manager. RBF has been providing On-Call Engineering Services for Castaic Lake Water Agency since 2010. The following is a summary of the task orders to date: Rio Vista Valve #2 Vault Modifications - 72-inch Valve Replacement Project; Sand Canyon Pump Station Generator Installation - Constructability Review, Construction Management and Inspection Services; Earl Schmidt Filtration Plant - Effluent Filter Valve Evaluation; Pipeline Inspection Program Planning and Development; Perchlorate Treatment System Evaluation; Recycled Reservoir Siting Study; Castaic Conduit Bypass Transmission Main - Constructability Review; and Castaic Conduit Erosion Protection Analysis. (Various Fees)	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION <i>(City and State)</i> Santa Margarita Water District (SMWD) Middle Chiquita Canyon Water Facilities, Orange County, California	(2) YEAR COMPLETED	
		Professional Services 2015 (est.)	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <i>Santa Margarita Water District.</i> Project Manager. Responsible for project management. RBF Consulting, a Michael Baker International Company, provided preliminary and final design services for approximately 23,000 LF (combined) of domestic and recycled water transmission mains, 4.0 MG of domestic water storage and 4.0 MG of recycled water storage. The project also included: alternative pipeline alignment analysis for routes through environmentally sensitive areas and agricultural areas; grading phasing analysis; and coordination with the Rancho Mission Viejo Company, California Department of Public Health, San Diego Gas and Electric, and the California Department of Fish and Wildlife. \$639,899.00 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION <i>(City and State)</i> OC-44 Pipeline Rehabilitation/Replacement Project, Orange County, California	(2) YEAR COMPLETED	
		Professional Services 2015 (est.)	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <i>Mesa Water District.</i> Task Manager. Responsible for water resources. Mesa Water District recently selected RBF Consulting, a Michael Baker International Company, to complete a Rehabilitation/Replacement Evaluation and Cathodic Protection Study for the OC-44 Pipeline. The OC-44 pipeline runs approximately 8.6 miles through Orange County. RBF will provide a comprehensive plan to investigate the condition of the existing pipeline, evaluate repair and/or replacement strategies, and identify permitting and follow-on technical studies required to implement the recommended strategy. John Harris will lead our team as Project Manager for the Study. Key task leaders include: Mark Hill, Condition Assessment; John Nagle, Alternative Alignment Analysis; Richard Beck, Environmental/Regulatory Constraints; Paul Findley, QA/QC; and John McCarthy, Hydraulics/Scour. The RBF team will be supported by subconsultant firms V&A Consulting Engineers, providing Cathodic Protection Analysis, and Flow Science, providing Surge Analysis. The contract value for the study is nearly \$200,000, and work is underway to meet the requested May delivery date. \$740,803.00 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION <i>(City and State)</i> Reservoir No. 18, Chino Hills, California	(2) YEAR COMPLETED	
		Professional Services 2015 (est.)	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <i>City of Chino Hills.</i> Project Manager. Responsible for project management. RBF Consulting, a Michael Baker International Company, provided professional engineering services for the design of a new reservoir that will be a major improvement to the city's water distribution system and will provide a net increase of 4.0 million gallons of storage for the city's intermediate zone. The proposed reservoir will be located at the site of existing Chino Hills Reservoir No.1 within the Village Oaks community. The project involved an analysis of steel versus concrete tank types, development of demolition plans for the existing reservoir, and design of the new reservoir. RBF is providing preliminary and final design services for the replacement of an existing 1.0 MG buried concrete reservoir with a new 5.0 MG partially buried, pre-stressed concrete reservoir. Preliminary design included developing alternative site layouts and grading concepts. In addition, RBF evaluated tank construction alternatives, comparing an above-grade, welded steel tank with a partially-buried, pre-stressed concrete tank. Final design is underway and will include design of a 1,000 LF access road, which will be graded to minimize construction traffic through the adjacent residential development. Final design is scheduled to be completed by December 2013. \$157,200.00 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION <i>(City and State)</i> Starlight Reservoir Feasibility Study, Whittier, California	(2) YEAR COMPLETED	
		Professional Services 2014 (est.)	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <i>City of Whittier.</i> Project Manager. Responsible for project management. RBF Consulting, a Michael Baker International Company, prepared a preliminary siting study which included a geotechnical investigation and conceptual grading plans for three alternative tank configurations. The alternative tank configurations considered both above-grade, welded steel tanks and partially-buried, pre-stressed concrete tanks. The geotechnical analysis identified evidence of historical landslides near the site and recommended that the tank foundations maintain a 50-foot setback from the landslide slip plane identified in the geotechnical report. The preliminary recommendation to the City was to construct a partially-buried, pre-stressed concrete tank with a nominal storage volume of 921,000 gallons. This alternative leaves open the option of keeping the existing tank in service should the City decide to do so. RBF is continuing to work with the City to develop recommendations for distribution and storage facilities in the City's lower distribution system pressure zones. \$96,498.00 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm



ATTACHMENT I – General Qualifications
ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729

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

a. NAME Carlos A. Ortiz, P.E., T.E., P.T.O.E.	b. ROLE IN THIS CONTRACT Traffic Engineering	c. YEARS EXPERIENCE	
		1. TOTAL 25	2. WITH CURRENT FIRM 22
d. LOCATION <i>(City and State)</i> RBF Consulting, a Michael Baker International Company, Irvine, California			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B.S., Civil Engineering, California State Polytechnic University, Pomona, 1989		f. PROFESSIONAL TRAINING - REGISTRATIONS US, Professional Traffic Operations Engineer, 426, 1999; AZ, Professional Engineer - Civil, 34333, 1999; CA, Professional Engineer - Civil, 57535, 1997; CA, Traffic Engineer, 2025, 1999	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> Vice-President, Institute of Transportation Engineers, Western District (District 6); Past Secretary-Treasurer, Institute of Transportation Engineers, Western District (District 6); Past President, Institute of Transportation Engineers, Southern California Section; Past President, Institute of Transportation Engineers, Riverside-San Bernardino Section; Past President, Orange County Traffic Engineering Council (OCTEC); Member, ITS Southern California Chapter; Member, American Society of Civil Engineers; Past President, Orange County Younger Member Forum; Member, American Public Works Association; RBF "Excellence in Teamwork" Award Winner			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION <i>(City and State)</i> On-Call Traffic Engineering Services, Los Angeles County, California	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <i>County of Los Angeles.</i> Project Manager. RBF is providing design services for a variety of traffic engineering projects in Los Angeles County. The work includes traffic signal design, traffic control, traffic signal synchronization plans, signing and striping plans, fiber optic communications/CCTV plans, and other miscellaneous traffic engineering services as requested.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION <i>(City and State)</i> Advanced Traffic Management System (ATMS) Phase 5, Santa Monica, California	(2) YEAR COMPLETED	
		Professional Services 2014 (est.)	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <i>City of Santa Monica.</i> Project Manager. Responsible for project management. RBF Consulting, a Michael Baker International Company, prepared preliminary engineering analysis, including site path analysis for wireless communications; and bidding documents; construction drawings; and cost estimates to implement Phase 5 of the city's Advanced Management Traffic System (ATMS) Master Plan. The plan evaluated the city's existing traffic signal systems and communication infrastructure and provided recommendations to enhance the system to satisfy current and future transportation service needs. Based on the recommendations indicated in the plan, the city developed an ATMS communication implementation plan indicating the various phases of improvements. The work in Phase 5 consisted of upgrading the city's signal communication system to an Ethernet communication system along three corridors approximately 3.5 miles, including Montana Avenue, 7th Street, and 26th Street. It also included the upgrade of 12 traffic signal systems, installation of closed circuit television (CCTV) cameras, fiberoptic and wireless communication systems, and integration of the new communication system at the existing city's communication hub and Traffic Management Center (TMC). \$159,633.00 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION <i>(City and State)</i> Engineering and Traffic Signal Management Services, Menifee, California	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <i>City of Menifee.</i> Project Manager. RBF provided as-needed traffic engineering planning, design, operations, and related technical and professional services for a variety of projects in the City of Menifee. Incorporated in 2008, the community of 68,000 people is the second largest city in Riverside County. \$135,000 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION <i>(City and State)</i> Marguerite Parkway Traffic Signal Synchronization Program (TSSP) Project, Orange County, California	(2) YEAR COMPLETED	
		Professional Services Ongoing	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager. RBF, under an on-call traffic engineering services contract for Orange County Transportation Authority (OCTA) and Hartzog, Crabill & Associates, is responsible for the synchronization of 32 traffic signals in the cities of Mission Viejo and San Juan Capistrano. \$740,000 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION <i>(City and State)</i> Ball Road Traffic Signal Synchronization Program (TSSP) Project, Orange County, California	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager. RBF, under an on-call traffic engineering services contract for Orange County Transportation Authority (OCTA) and Hartzog, Crabill & Associates, is responsible for the 11-mile Ball Road Traffic Signal Synchronization Program (TSSP) project, which involves 39 traffic signals through four agencies. \$680,000 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm



ATTACHMENT I – General Qualifications

**ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729**

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

a. NAME Salahuddin M. Sheikh, P.E.	b. ROLE IN THIS CONTRACT Structural Engineering	c. YEARS EXPERIENCE	
		1. TOTAL 40	2. WITH CURRENT FIRM 26
d. LOCATION <i>(City and State)</i> RBF Consulting, a Michael Baker International Company, Irvine, California			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> M.S., Civil Engineering/Structures, University of Michigan at Ann Arbor, 1971 B.S., Civil Engineering, University of Karachi Pakistan, 1970		f. PROFESSIONAL TRAINING - REGISTRATIONS AZ, Professional Engineer - Civil, 34539, 2000 CA, Professional Engineer - Civil, 32677, 1981 NV, Professional Engineer - Civil, 14418, 2000; CA, Transportation Worker ID Credential (TWIC), 2011	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> Life Member, ASCE; Member, Structural Engineer Association of Southern California; Structural Engineering Certification Board; 2011, Transportation Worker Identification Credential (TWIC); Member RBF "Excellence in Teamwork" Award Winner			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION <i>(City and State)</i> State Route 91 Westbound Widening (Final PS&E, Westbound from I-5 to SR-57), Orange County, CA	(2) YEAR COMPLETED	
		Professional Services Ongoing	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Orange County Transportation Agency. Structural Engineer. The SR-91 widening project includes final design of 3.8 miles of freeway widening that will convert the existing westbound auxiliary lanes into through mixed flow lanes between Brookhurst Street and Euclid Street, Euclid Street and Harbor Boulevard, and Raymond Avenue and State College Boulevard through each interchange. The project will also add two-lane exit ramps and associated auxiliary lanes at three interchange locations at the westbound exit ramps to Raymond Avenue, Lemon Street, and Brookhurst Street. \$5,700,000 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION <i>(City and State)</i> Seismic Assessment of Steel Reservoirs, Orange County, CA	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Moulton Niguel Water District. Structural Engineer. The Moulton Niguel Water District selected RBF to conduct a seismic, structural and safety assessment of 32 aging steel reservoirs storing potable and recycled water and complete a report with recommended improvements. Evaluations were conducted to assess each tank's condition and performance capabilities in the following categories: structural/seismic, mechanical/piping, access, safety, coatings/corrosion and water quality. \$180,000 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION <i>(City and State)</i> Baker Regional Water Treatment Plant, Lake Forest, CA	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Irvine Ranch Water District. Structural Engineer. RBF was the lead consultant for the Baker regional Water Treatment Plant. The plant is sized for a capacity of 25 mgd and utilizes microfiltration as a primary method of treatment. The facility also includes a raw water pump station, product water pump station, pretreatment, chloramination, backwash recovery system and UV disinfection. The complexity of the processes requires close coordination of the electrical and control system designs. Critical design elements include maintaining electrical services to existing pump stations, reservoirs and administration building at the site during project construction, incorporating the existing loads into the new electrical infrastructure design and developing detailed plans supplemented with written descriptions of the required phasing for the project. \$5,300,000 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION <i>(City and State)</i> Interstate 5 Widening – Project Report / Environmental Document (S.R. 73 to El Toro Road), Orange County, California	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE TransSystems Corporation. Structural Engineer. Responsible for structural engineering. RBF Consulting, a Michael Baker International Company, in a subconsultant role, worked with the Orange County Transportation Authority (OCTA), Caltrans District 12 and the cities of Mission Viejo, Laguna Niguel, Laguna Hills, and Lake Forest to prepare a Project Report and Environmental Document (IS) and (EA) for 6.5 miles of mainline widening of I-5 from S.R. 73 to El Toro Road. \$882,931 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION <i>(City and State)</i> Central Park Bicycle, Pedestrian, and Circulation Study, Santa Clara, California	(2) YEAR COMPLETED	
		Professional Services 2015 (est.)	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE City of Santa Clara. Structural Engineer. Responsible for structural engineering. RBF Consulting, a Michael Baker International Company, provided planning and engineering services to improve pedestrian and bicycle access to and inside Central Park, a regional park in the City of Santa Clara. The study includes evaluation of ADA access, recommended improvement and enhancements, directional signage, safety and other modifications to encourage non-motorized travel. The project will close gaps and improve access for modes other than vehicles, specifically for the surrounding residential neighborhoods, and will promote walking and cycling to the park. A multi-discipline team of experts will plan and design the features required to improve park access. Work on the project has involved transportation planning, traffic engineering, transportation design, GIS, public outreach, and structural engineering capabilities. \$183,194.20 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm



ATTACHMENT I – General Qualifications

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

a. NAME Alan H. Su, P.E.	b. ROLE IN THIS CONTRACT Transportation Engineering	c. YEARS EXPERIENCE	
		1. TOTAL 15	2. WITH CURRENT FIRM 14
d. LOCATION (City and State) RBF Consulting, a Michael Baker International Company, Irvine, California			
e. EDUCATION (DEGREE AND SPECIALIZATION) B.S., Civil Engineering, University of California at Irvine, 1999		f. PROFESSIONAL TRAINING - REGISTRATIONS CA, Professional Engineer - Civil, 66042, 2004; UT, Professional Engineer - Civil, 7759341-2202, 2010; AZ, Professional Engineer - Civil, 41216, 2004; NV, Professional Engineer - Civil, 016623, 2004	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) Member, Institute of Transportation Engineers; Member, ASCE; RBF "Excellence in Teamwork" Award Winner			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (City and State) On-Call Engineering Support Services - Caltrans (Contract No. 12A1195), District 12, Orange County, CA	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Caltrans - District 12. Project Engineer. RBF is providing project development and design services to improve and repair the State's transportation system throughout Orange County under an on-call, five-year contract. To date, task orders have included development of the traffic management plan for I-5 at Jamboree Road; development of a traffic management plan for the S.R. 55 auxiliary lane; preparation of a project report for the S.R. 91 westbound lanes from S.R. 55 to Tustin Avenue; the preparation of final plans, specifications, and estimate for the S.R. 241 metal beam guardrail replacement; the preparation of the project report and plans, specifications, and estimate for S.R. 22 at Tustin Avenue eastbound and westbound ramp intersections; and the preparation of the project report and plans, specifications, and estimate for roadway slope stabilization on S.R. 1 in Laguna Beach. \$3,000,000 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION (City and State) Cow Camp Road Phase 1A/1B of 24-Inch Waterline, 30-Inch Recycled Waterline, and 8-Inch Sewer, Mission Viejo, California	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Rancho Mission Viejo, LLC. Project Engineer. Responsibilities included transportation engineering. RBF Consulting, a Michael Baker International Company, prepared Phase 1A design plans, including 3,000 feet of 24-inch domestic water, 3,000 feet of 30-inch recycled water, and 800 feet of 8-inch sewer facilities, in Cow Camp Road for Rancho Mission Viejo and the Santa Margarita Water District. Phase 1B plans were prepared to extend the domestic water and recycled water pipelines approximately 4,000 feet each and included jack-and-bore installation of each pipeline to cross San Juan Creek. \$241,324.23 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION (City and State) Interstate 15 / State Route 79 South Interchange Improvements, Temecula, Riverside, CA	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE City of Temecula. Project Engineer. RBF has been providing transportation planning and engineering services to the City of Temecula for improvements to the I 15/S.R. 79 South Interchange since 1996. Transportation planning services have included development of six interchange alternatives; preparation of a project report, modified access report, and combined California Environmental Quality Act and National Environmental Policy Act document for the recommended build alternative. RBF then developed final design plans, specifications, and estimate. Construction plans included roadway layouts and profiles, bridge plans, retaining walls, grading, drainage, signing, striping, lighting, traffic signal, and stage construction. \$2,200,000 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION (City and State) Bus Stop Improvements Feasibility Study, Cypress, California	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE City of Cypress. Project Engineer. Responsibilities included transportation engineering. RBF Consulting, a Michael Baker International Company, provided professional services for the development of the bus stop improvements feasibility study. Topics addressed included bus stop location identification and existing conditions; ridership analysis; relationship between the Orange County Transportation Authority, Clear Channel Outdoor, and the City of Cypress; design assumptions; recommended improvements; and preliminary engineers quantities and cost estimates. \$19,523.68 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION (City and State) Caltrans County-Wide Closed Circuit Television (CCTV) Interoperability, Orange County, California	(2) YEAR COMPLETED	
		Professional Services 2017 (est.)	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Caltrans - District 12. Project Coordinator. Assisted project manager for the overall on-call contract. Tasks include additional personnel requests and monthly invoices. Caltrans District 12 has selected RBF Consulting, a Michael Baker International Company, to prepare project architecture, system needs, and requirements analysis technical study; final plans, specifications, estimates; and construction support for the implementation of the County-Wide Closed Circuit Television (CCTV) interoperability system. The CCTV interoperability system will allow Caltrans District 12, participating cities and other agencies to implement the latest technology for exchanging CCTV video images/streams for congestion monitoring and management through Internet-accessible web servers. This system will allow participating agencies the capability to monitor traffic within their own agency limits and neighboring jurisdictions. Fourteen cities have agreed to participate on this project. The project objective is to deploy CCTV Interoperability through a private cloud based system managed and maintained by Caltrans. The participating agencies' cameras will be linked to the system using a tool kit/server that will normalize the video images prior to sending the information to the host provider via each agency's web server. The selected System Integrator will be required to operate and maintain the CCTV Interoperability System for three years after project acceptance. RBF is providing project management, Preliminary Planning and Engineering Services, Final Engineering Services, and Construction Support Services. RBF also prepared Memorandum of Understanding (MOU) between Caltrans and twelve participating cities and is coordinating the cities' approvals. \$500,000.00 (Fee)	<input type="checkbox"/>	Check if project performed with current firm



ATTACHMENT I – General Qualifications

**ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729**

**STATE PROCUREMENT OFFICE
Department of Administration
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4. Resumes of Key Personnel Proposed for this Contract (Complete one Section 4 for each key person.)

a. NAME Scott M. Taylor, P.E., D.WRE, F.ASCE	b. ROLE IN THIS CONTRACT Water Quality	c. YEARS EXPERIENCE	
		1. TOTAL 30	2. WITH CURRENT FIRM 30
d. LOCATION (<i>City and State</i>) RBF Consulting, a Michael Baker International Company, Carlsbad, California			
e. EDUCATION (<i>DEGREE AND SPECIALIZATION</i>) M.S., Civil Engineering, California State University at Long Beach, 1990 B.S., Civil and Environmental Engineering, California State Polytechnic University, Pomona, 1984		f. PROFESSIONAL TRAINING - REGISTRATIONS Diplomate, Water Resources Engineer, , 2010; AZ, Professional Engineer - Civil, 34870, 2000; CA, Construction General Permit Trainer of Record, ; CA, Qualified SWPPP Developer (QSD), 00054, 2010; CA, Qualified SWPPP Practitioner (QSP), 00054, 2010; CA, Professional Engineer - Civil, 43053, 1987	
g. OTHER PROFESSIONAL QUALIFICATIONS (<i>Organizations, Awards, etc.</i>) Board Member, California Storm Water Quality Association; Diplomate, Water Resources Engineer; ASCE Fellow, American Society of Civil Engineers; Member, International Water Association; Member, Transportation Research Board Committee AFB 60, Hydrology, Hydraulics and Water Quality; Chair, Transportation Research Board Committee AFB 60, Water Quality Subcommittee; Member, Tau Beta Pi; Member, Phi Kappa Phi; Member, Chi Epsilon; Awards: 2001, Engineer of Merit, ASCE; 2002, Engineering Merit Award, OCEC; RBF "Excellence in Teamwork" Award Winner			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (<i>City and State</i>) Caltrans On-Call Technical and Professional Storm Water Services (Contract Nos. 43A0182 and 43A0286), California	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable)
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Caltrans. Task Manager. Under a three-year contract with Caltrans, RBF provided on-call statewide stormwater services. Work was related to continued development and refinement of Caltrans' statewide Storm Water Management Program with a goal to integrate appropriate stormwater control activities into ongoing activities and thus make control of stormwater pollution a part of Caltrans' normal business practices. \$13,000,000 (Fee Estimate)	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION (<i>City and State</i>) Caltrans On-Call Storm Water Quality, Los Angeles, and Ventura Counties, CA	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable)
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Parsons Transportation Group. Program Manager. RBF was part of the team chosen by Caltrans for a five-year, \$15 million contract for the preparation of Stormwater Treatment Devices Best Management Practices Corridor Studies in northern District 7. \$5,000,000 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION (<i>City and State</i>) Caltrans Statewide TMDL Assistance Strategic Planning (Contract Nos. 43A0182 and 43A0286), Statewide, California	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable)
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Caltrans. Principal-In-Charge. Responsibilities included overall project oversight. RBF Consulting, a company of Michael Baker Corporation, has been assisting Caltrans in addressing issues pertaining to total maximum daily loads (TMDLs) throughout the State of California since 2005. RBF provided professional services to review and develop comments on documents developed by the state water resources control board (SWRCB) and the nine regional water quality control boards (RWQCBs) in their development of TMDLs. RBF also supported Caltrans staff during meetings, workshops, and public hearings with the RWQCB and SWRCB. RBF provided strategic planning and suggested courses of action for Caltrans based on the requirements of the TMDL, their associated implementation plans and schedules. \$1,280,000 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION (<i>City and State</i>) Grading, Erosion and Sediment Control Manual Update, Sacramento, CA	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable)
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE City of Sacramento. Project Manager. RBF was retained by the City of Sacramento to update the City's Administrative and Technical Procedures Manual for Grading, Erosion and Sediment Control. RBF's scope of work included updating existing Best Management Practice (BMP) Fact Sheets, development of additional BMP Fact Sheets, developing erosion, sediment and pollution control plan checklists, technical editing, updating chapters and compilation of the City's Administrative and Technical Procures Manual. Focus was maintained on achieving compliance with the Statewide Construction General Permit while incorporating practical considerations of standard "day to day" design practices, local plan checking procedures, and construction methods. \$60,000 (Fee)	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION (<i>City and State</i>)	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE	<input type="checkbox"/>	Check if project performed with current firm



ATTACHMENT I – General Qualifications

**ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729**

**STATE PROCUREMENT OFFICE
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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 (City and State) Caltrans Statewide TMDL Assistance Strategic Planning, Statewide, CA (Contract Nos. 43A0182 and 43A02866)	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2013	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER Caltrans Headquarters Division of Environmental Analysis	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$1,280,000 (Fee)	e. TOTAL COST OF PROJECT \$1,280,000 (Fee)
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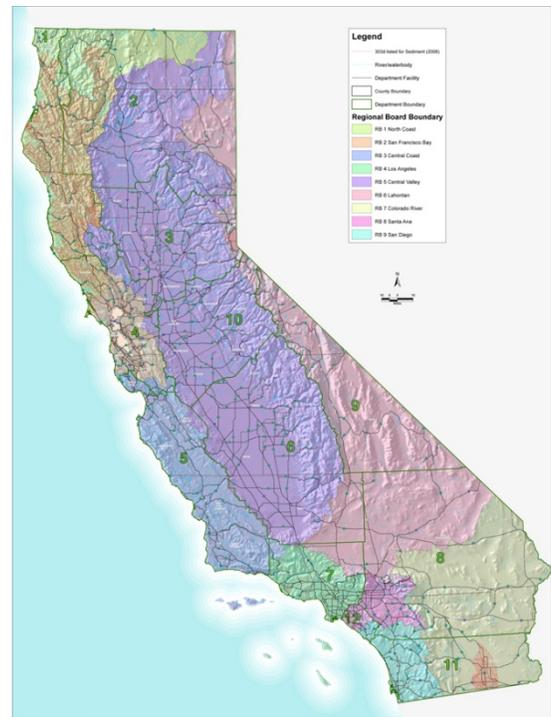
f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

RBF has been assisting Caltrans in addressing issues pertaining to Total Maximum Daily Loads (TMDLs) throughout the State of California since 2005. Compliance needs for over 70 adopted and near-adopted TMDLs were developed and currently over 600 additional TMDLs are being developed.

RBF is providing professional services to review and develop comments on documents developed by the State Water Resources Control Board (SWRCB) and the nine Regional Water Quality Control Boards (RWQCBs) in their development of TMDLs. The SWRCB and the RWQCBs set standards for water quality within their areas of jurisdiction. In addition to review of TMDL draft documents, RBF also supports Caltrans staff during meetings, workshops and public hearings with the RWQCB and SWRCB.

RBF also provided Strategic Planning and suggested courses of action for Caltrans based on the requirements of the TMDL, their associated implementation plans and schedules. Strategic Plans have been developed for several TMDLs including the Lake Tahoe Clarity TMDL, Los Angeles River TMDLs, Ballona Creek TMDL, and more. Strategies focused on BMP compliance, recommendation on approaches (near term and long term strategies), source control, municipal coordination, treatment control, monitoring, and prioritization of actions.

TMDLs evaluated and assistance provide to the Caltrans Districts include: LA River TMDL, Ballona Creek TMDL, San Francisco Bay TMDL, Chollas Creek TMDL, Lake Tahoe Clarity TMDL, Truckee River TMDL, North Coast Sediment TMDLs, Santa Monica Bay TMDLs, Southern California Beaches Bacteria TMDL, Lake Elsinore Nutrients TMDL, Big Bear Nutrients TMDL, and many more.





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a. TITLE AND LOCATION <i>(City and State)</i> Storm Water Management Program Annual Report and Regional Work Plan Assistance, California (Contract Nos. 43A0182 and 43A0286)	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2005 - Present	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER California Department of Transportation, Division of Environmental Analysis, Headquarters	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT Report Development: Varies - Est. Total \$300,000/year	e. TOTAL COST OF PROJECT Report Development: Varies - Est. Total \$300,000/year
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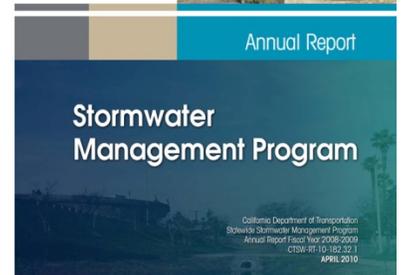
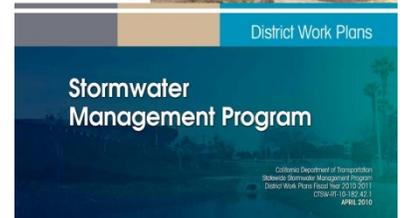
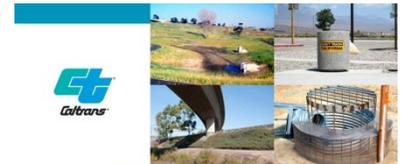
f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

The RBF team is supporting and assisting the California Department of Transportation (Caltrans) Storm Water Management Program in developing its Annual Report and accompanying 12 District Regional Work Plans. A requirement of the National Pollutant Discharge Elimination System (NPDES) Permit, the Annual Report reports on the activities that the Department has undertaken in the previous fiscal year to implement the Department's Statewide Storm Water Management Plan (SWMP) and includes:

- Overview - An overview of the Annual Report
- Program Management - Storm Water Management Program responsibilities and coordination with other NPDES permittees and stakeholders
- Best Management Practice (BMP) identification and implementation
- Project Delivery Storm Water Management Program - Functions of highway facility project design and construction
- Maintenance Storm Water Management Program - How the Maintenance Division manages BMPs, treatment BMPs, and non-storm water discharges
- Training and Public Education Program - How the Department outreaches to the public to inform and educate about the importance of storm water management
- Monitoring and Research Program - How the Department monitors BMPs and conducts research on new treatment control technologies
- Program Evaluation - How the Department audits its program
- Reporting - How the Department reports its progress on program activities
- Location-Specific Requirements

The Regional Work Plans describe the activities that the Department Districts will undertake during the next fiscal year to implement the SWMP and include:

- Introduction - Overview of the Regional Work Plan
- Department Personnel and responsibilities
- District facilities and water bodies addressed in the Regional Work Plan
- High Risk Areas - District projects that occur in sensitive areas
- Implementation Activities - BMPs the District plans to use





ATTACHMENT I – General Qualifications

**ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729**

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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 (City and State) Caltrans On-Call Technical and Professional Storm Water Services, Statewide, CA (Contract Nos. 43A0182 and 43A0286)	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2013	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER Caltrans	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$13,000,000 (Fee)	e. TOTAL COST OF PROJECT \$13,000,000 (Fee)
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

Continuously since 1998, RBF has provided on-call statewide storm water services related to policy development, strategic planning and permit implementation for Caltrans' statewide storm water management program. Under Contract 43A0286, a three-year, on-call statewide storm water services contract with a limit of \$13 million in fees, RBF worked with Caltrans to integrate appropriate storm water control activities into ongoing activities and thus make control of storm water pollution a part of Caltrans' normal business practices. Under the various tasks of this contract, RBF worked closely with Caltrans to:

- NPDES Program Management, Development, Compliance, Policy, and Strategic Planning
- Assist with negotiations for renewing its NPDES Permit and Construction General Permit
- Revise and expand its statewide Storm Water Management Plan (SWMP), which describes the procedures and practices the Department uses to reduce the discharge of pollutants to storm drainage systems and receiving waters
- Review, provide comments, and create presentations for statewide and regional storm water permit issues (Ocean Protection, Statewide Trash Amendment, TMDLs, ASBS, General Permits)
- Prepare its Storm Water Program Annual Report, which reports on the activities that Caltrans has undertaken in the previous fiscal year to implement the SWMP and District Workplans
- Strategic Planning and field assessment for the California Ocean Plan and Areas of Special Biological Significance (ASBS) compliance
- Identify pollutants of concern in storm water runoff from Caltrans facilities and develop research planning studies of such constituents
- Identify, evaluate, and approve various types of Best Management Practices (BMPs) and implement them into the design, construction, and maintenance of highway facilities
- Develop standardized cooperative agreements and liaison to Watershed Stakeholders
 - Collaboration with State Water Resource Control Board (SWRCB) on Total Maximum Daily Load (TMDL) requirements and Strategic Planning for implementation
- Provide technical assistance to the Construction Storm Water Team
- Public Education (Don't Trash California), Public Outreach to Industry, Contractors, Staff Training
- Conducted statewide Characterization and Hot Spot Studies, and Peer Review of Scientific Studies
- Storm Drain System Inventory using GIS, Treatment BMP inventory, Non-stormwater Runoff Investigations

Training activities include:

- The overall Department strategy for providing storm water and related training to its employees and construction contractors
- Program Effectiveness Assessment Training for all NPDES Staff and Divisions
- Outreach to Industry, Caltrans Partners, and Management through Webinars
- BMP Tools educational website for BMP design for Transportation Engineers
- Construction General Permit Training by State Water Board/CASQA Trainers-of-Records
- Operation and Maintenance of Treatment BMPs Guidance

Total Maximum Daily Loads and Watershed Programs:

- Statewide TMDL assessment, risk evaluations, and Basin Plan Amendments response
- TMDL Strategic Planning, Resource Evaluation, and Management
- TMDL Special Studies/Assessment (Lake Tahoe Pollutant Load Reduction Model, Big Bear Nutrients, Bacteria Field Investigation)
- Trash TMDL Compliance, Trash Load reduction Calculations (Los Angeles and San Francisco Regions)
- TMDL Assessment, GIS Analysis, and Reporting
- Pollutant Load Modeling
- Watershed Program and Stakeholder Group Participation Liaison Assistance





ATTACHMENT I – General Qualifications
ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729

STATE PROCUREMENT OFFICE
Department of Administration
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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> Caltrans Enforcement Action Tracking (Contract Nos. 43A0182 and 43A0286) and Enforcement Response Plan Development (Contract No. 43A0186), Statewide, CA	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER Caltrans Headquarters	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$300,000 (Fee) / \$100,000 (Fee)	e. TOTAL COST OF PROJECT \$300,000 (Fee) / \$100,000 (Fee)
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

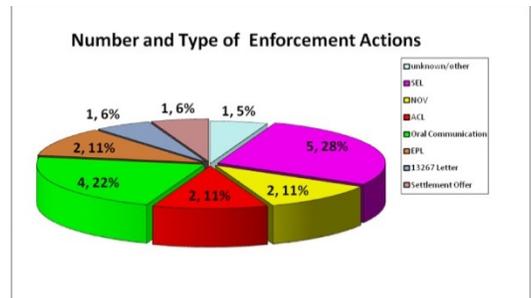
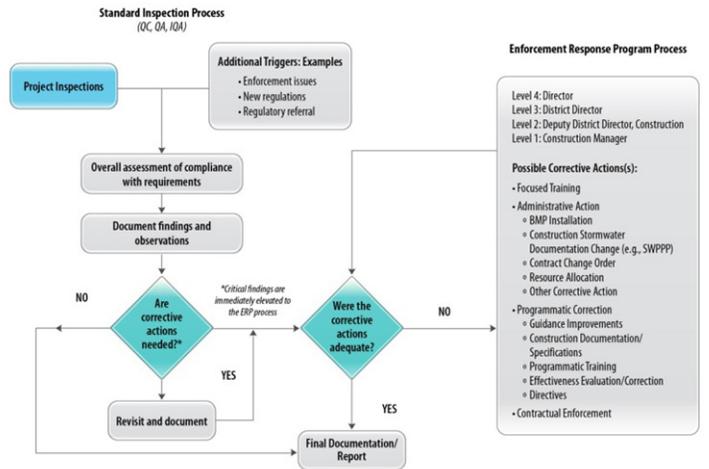
Enforcement Tracking

RBF has been assisting Caltrans headquarters with tracking and assessing enforcement actions issued by the nine California Regional Water Quality Control Boards for violations of the Caltrans Statewide Stormwater Permit, Order No. 99-06-DWQ. Information on over 350 current and historic enforcement actions (1998 - 2013) have been collected and cataloged, and are communicated to Caltrans Headquarters via a bi-weekly Enforcement Update. RBF assists the Department with review of the enforcement actions, documenting person responsible for correction, responses to enforcement actions, tracking of commitments, and tracking milestones / schedules as needed.

Enforcement Response Program

RBF developed the Enforcement Response Program (ERP) as a chapter of the Caltrans SWMP deliverable. The ERP is Caltrans' approach to ensuring adequate implementation of the Caltrans National Pollutant Discharge Elimination System (NPDES) Stormwater Permit (Permit), the State Construction General Permit (CGP), and other applicable NPDES permits through progressive enforcement procedures for construction projects, maintenance activities, and maintenance facilities. The ERP establishes a range of escalating enforcement activities to address practices that are contrary to applicable NPDES permits.

The ERP documents the method for Caltrans to identify and resolve compliance issues at the lowest possible level within the organizational hierarchy to ensure that the response is timely and appropriate. The ERP is a methodical escalating approach to compliance issues to ensure that corrective actions are effective.





ATTACHMENT I – General Qualifications

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a. TITLE AND LOCATION <i>(City and State)</i> Caltrans Statewide Permit / Policy Stormwater Program Development and Implementation Assistance, Statewide, CA	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2011	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER Caltrans Headquarters; Division of Environmental Analysis	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$1,000,000 (Approximate Combined Fee)	e. TOTAL COST OF PROJECT \$1,000,000 (Approximate Combined Fee)
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

RBF has contracted with the State of California, Department of Transportation (Caltrans) for the past 13 years, on-call statewide storm water services contract. Work under this contract is related to policy development, strategic planning, permit implementation, continued development and refinement of Caltrans' statewide Storm Water Management Program. The goal of the effort is to integrate appropriate storm water control activities into ongoing activities and thus make control of storm water pollution a part of Caltrans' normal business practices. Under the various tasks of this contract, RBF worked closely with Caltrans to:

- Assist with negotiations for renewing its National Pollutant Discharge Elimination System (NPDES) Permit and Construction General Permit
- Revise and expand its statewide Storm Water Management Plan (SWMP), which describes the procedures and practices the department uses to reduce the discharge of pollutants to storm drainage systems and receiving waters
- Environmental Protection Agency (EPA) Audit Response / Technical Guidance
- Review, provide comments, and create presentations for statewide and regional storm water permit issues
- Prepare its Program Effectiveness Assessment / Storm Water Program Annual Report, which reports on the activities that Caltrans has undertaken in the previous fiscal year to implement the SWMP
- Prepare its Districts' Regional Work Plans, which describe the activities that Caltrans Districts will undertake in the next fiscal year to implement the SWMP
- Identify pollutants of concern in storm water runoff from Caltrans facilities and develop research planning studies of such constituents
- Identify, evaluate, and approve various types of Best Management Practices (BMPs) and implement them into the design, construction, and maintenance of highway facilities
- Develop standardized cooperative agreements
- Review requirements, track progress, and develop strategic plans to comply with regulations prescribed by State Water Resource Control Board (SWRCB) on Total Maximum Daily Load (TMDL) requirements
- Provide technical assistance to the Construction Storm Water Team





ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729

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Phoenix, Arizona 85007

6. ADDITIONAL INFORMATION

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

FIRM OVERVIEW

RBF Consulting (RBF), a Michael Baker International Company, is a full-service consulting firm providing planning, engineering, surveying, and related professional services. The overall expertise of RBF includes: civil, structural, mechanical, and electrical engineering; land development; transportation and traffic engineering; water and wastewater engineering; environmental planning; survey and mapping; GIS; architecture, land use planning, urban design, and landscape architecture; and construction management services.

RBF was established in 1944, and has been incorporated in California since 1961. In October 2011, RBF was acquired as a wholly-owned subsidiary of Michael Baker Corporation (Baker). Baker recently became part of Michael Baker International, LLC, a leading provider of end-to-end engineering, development, intelligence and technology solutions with global reach and mobility.

SURFACE WATER EXPERTISE

RBF is a leader in providing integrated surface water services by combining flood control, water quality, hydromodification, stormwater management, and water resources engineering into comprehensive solutions to deliver sustainable projects that promote the use and reuse of water within a watershed. The firm's approach to address today's water resource challenges utilizes a unique planning process - integrating all aspects of water resources management: policy development; land use; environmental services; civil engineering; storm water quality; water supply; wastewater; flood management; environmental planning; and regulatory permitting services.

Surface water services offered include:

Flood Control / Storm Water Planning and Design

- Runoff Management Plans
- General Plan
- Specific Plan
- Master Plan
- Hydromodification Management Plans / Mitigation
- Water Quality Technical Report (Environmental Docs)
- Alluvial Fan Assessment
- Urban Drainage Facilities
- Erosion Control
- Flood Control Engineering
- Riparian / Wetland Design
- Extended Detention Basins
- River Engineering
- Stream Bank Protection
- Stream Restoration
- Levee / Dam Design
- Regional Flood Protection Systems
- Hydrologic / Hydraulic Modeling
- Hydrologic / Hydraulic Analysis and Design
- Sediment Transport Studies
- Flood Damage Assessment
- Storm Drain Facility Design
- Floodplain Management Program
- FEMA Floodplain Mapping / Risk Assessment
- FEMA CLOMR/LOMR
- Dam and Detention Basin Routing / Design
- Natural Treatment System (NTS) Basin Design
- Dam Break Analysis
- Debris & Sediment Yield Sediment Transport
- Fish Passage
- Location Hydraulic Studies
- Regional Frequency Analysis
- Erosion Control Bridge Scour Assessment
- Outlet Scour Protection Channel Stabilization
- Construction Plan Preparation
- Construction Specification Preparation
- Construction Support

Storm Water Quality

- Municipal Storm Water Program Development
- Storm Water Management Programs
- Storm Water Pollution Prevention Plans (SWPPPs)
- NPDES Compliance
- Water Quality Management Plan (WQMP / SUSMP)
- Storm Water Data Report (Caltrans)
- Storm Water Pollution Prevention (SWPPP)
- NOI/NOC Filings
- Permit Public Comment Assistance
- Permit Compliance
- Site Inspections - Construction
- Site Inspections - Existing Facilities
- BMP Research / Application
- BMP Retrofit Studies
- BMP Design and Construction
- Water Quality Monitoring
- Water Quality Modeling
- Outreach, Education and Training
- TMDL Development and Implementation
- MS4 Program Development

Watershed Management

- Watershed Management / Implementation Plans
- Watershed Characterization
- Water Quality Modeling
- Outreach / Stakeholder Facilitation
- Policy Formulation
- Interagency Agreements
- Decision Making / Prioritization Tools
- Integrated Water Resources Planning
- Grants / Funding Agreements
- Complex Watershed Assessment
- Watershed / Stream Corridor Planning



ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729

STATE PROCUREMENT OFFICE
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Ecosystem Restoration / Wetlands Permitting

- Delineation
- Rapid Assessment
- Alternatives / Feasibility
- State / Federal Permitting
- Mitigation
- Coastal Compliance
- Riparian / Wetland Restoration
- Wetlands Creation / Habitat Restoration
- Wetland Management

Ancillary Services

- Sustainability / Low Impact Development
- Water Supply / Wastewater Engineering
- Landscape Architecture
- Environmental Planning
- Regulatory Permitting
- Visual Analysis
- Construction Management
- Land Surveying/Mapping
- GIS

Programs

- Storm Water Management Plans (SWMP)
- Total Maximum Daily Loads (TMDLs)
- Grant Funding Applications
- NPDES Program Annual Reporting
- Low Impact Development
- Watershed Management Policy

Water Resources Services

RBF has significant experience with flood management design criteria, watershed modeling techniques, storm water system requirements, storm water pollution control and assessment, agency processes, and regulatory issues. RBF offers technical excellence and innovative problem solving within the context of an effective, proven management approach in addition to the requirements associated with environmental and storm water quality regulations. The RBF Team brings together experts in the field of watershed management and flood control engineering to accomplish these goals. We are a leader in providing integrated surface water services combining flood risk management, water quality, hydromodification, stormwater harvest and reuse, groundwater recharge and potable and reclaimed water resources into comprehensive projects with the objective of sustainable projects that promote the use, and reuse of water within the watershed.

Flood Hazard Mitigation/Management Services

RBF has an extensive background in the development of comprehensive flood management engineering and stormwater management programs. Our objectives focus on the development of a functional system providing the necessary level of flood protection, while addressing multi objective issues of stakeholders in the watershed. RBF offers technical excellence and innovative problem solving within the context of an effective, proven management approach in addition to the requirements associated with environmental and stormwater quality regulations.

RBF emphasizes a watershed approach which refers not only to the physical watershed, but to the idea of managing water resources proactively at the most appropriate system scale. We believe that efficient and sustainable resources management requires the integration of multiple disciplines and thinking beyond jurisdictional boundaries. Our objective is to develop sustainable water resources projects that emphasize a balance of water use and reuse within the watershed. This includes rainwater harvesting, groundwater recharge, recycled water, and low impact development approaches.

Water Quality Services

The RBF Team's water quality capabilities include the development of surface water quality plans, research relative to Best Management Practices (BMPs) effectiveness, BMP siting, design, construction, construction management and operation, maintenance and monitoring. Furthermore, RBF has completed studies relative to BMP effectiveness and cost including prototype studies relative to operation and maintenance cost and capital costs evaluation for new construction and retrofit construction.

RBF Team members have successfully designed and implemented treatment BMPs including: media filters, infiltration basins, infiltration trenches, constructed wetbasin/wetlands, vegetated swales and strips, natural treatment systems (NTS), and extended detention basins, bioretention and manufactured treatment devices.

Environmental Engineering Services

Sustainable designs minimize short and long term environmental impacts of development activity through resource conservation, recycling, waste minimization and the utilization of energy efficient and ecologically responsible materials and techniques during construction.

In addition to having a number of LEED Accredited employees, RBF has unique experience in BMP research, BMP effectiveness, and retrofit of structural BMPs in existing public works infrastructure. We have completed studies and investigations into hypothetical retrofit scenarios, as well as conducted field prototype studies into BMP effectiveness and cost for the following technologies:



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- Extended detention basin
- Infiltration basins and trenches
- Vegetated swales and strips
- Drain inlet filters
- Coalescing plate oil/water separators
- Multi-chambered treatment train
- Austin and Delaware sand filters
- Wet extended detention ponds
- Continuous Deflective Separators (CDS®)
- Stormfilter®
- Permeable Pavement
- Variety of erosion control products including PAM

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:	81.95%
b. Percentage of Total Work Attributable to Non-Government Work:	18.05%

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

Signature: Doug Plasencia Date: December 19, 2014

Name: Doug Plasencia Title: Vice President