COASTAL WATER AUTHORITY

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Houston, Texas 77002
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Request for Qualifications ("RFQ") for Professional Engineering Services

The Coastal Water Authority ("CWA") seeks a Statement of Qualification ("SOQ") from firms who can adequately demonstrate they have the resources, experience and qualifications to provide CWA with quality Engineering Services for the Luce Bayou Interbasin Transfer Project – Capers Ridge Pump Station and Raw Water Intake Structure (CRPS).

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NOTE: It is assumed by CWA that all requirements contained in this solicitation have been read, understood and agreed to by the respondent.

Section A: Background and Purpose

This solicitation is being issued by CWA, a conservation and reclamation district created by a Special Act of the 60th Legislature of the State of Texas in 1967 (Article 8280-355, Vernon's Texas Civil Statues) and created pursuant to Article XVI, Section 59, of the Texas Constitution. The Authority, a governmental agency and political subdivision of the State of Texas, is located within Harris, Chambers, and Liberty Counties, with powers, among others, to transport and deliver water inside and outside the Authority, to acquire and construct all necessary properties and facilities necessary for such purposes, and to issue revenue bonds payable from water conveyance contract revenues (see H. B. 373, effective June 16, 1967). Originally created as the Coastal Industrial Water Authority, the Authority 's name was changed to Coastal Water Authority, effective August 26, 1985, pursuant to the provisions of Chapter 674, Acts of the 69th Legislature of the State of Texas, Regular Session, 1985 (S. B. 1377). The Authority has no power of taxation.

The purpose of the Luce Bayou Interbasin Transfer Project (LBITP) is to provide additional surface water supplies to end users that utilize water from Lake Houston. Additional surface water supplies will be transferred from the Trinity River to Lake Houston via the LBITP to meet the increased demand for surface water in the Harris-Galveston Subsidence District (HGSD) Area Three. Increased demand in the area is being driven by the conversion from groundwater supplies to surface water supplies as well as population growth. Existing infrastructure allows for the transfer of Trinity River water to the City of Houston (COH) East Water Purification Plant (EWPP) and the Southeast Water Purification Plant (SEWPP). However, there are currently no conveyance facilities to provide raw Trinity River water to the Northeast Water Purification Plant (NEWPP), which treats water from Lake Houston. The NEWPP is vital in providing treated surface water to HGSD Area

Three and previous studies have shown that Lake Houston and NEWPP cannot meet future demands at their current capacity. Transfer of additional raw water supplies to Lake Houston and future expansion of treatment capacity at the NEWPP is required to allow for the mandatory conversion from groundwater to surface water. The LBITP will provide the additional raw water resources necessary to satisfy these demands. The COH holds permits to divert raw water at a maximum rate of 775 cubic feet per second (CFS) (approximately 500 million gallons per day [MGD]) from the Capers Ridge site to Lake Houston. The Certificates of Adjudication are numbered 08-4261 and 08-4261B.

The LBITP is being implemented by the Coastal Water Authority (CWA) as authorized by the COH. Participating third parties in the LBITP include COH, North Harris County Regional Water Authority (NHCRWA), West Harris County Regional Water Authority (WHCRWA), Central Harris County Regional Water Authority (CHCRWA), and North Fort Bend Water Authority (NFBWA), herein referred to as the Co-Participants. Other entities may benefit from the LBITP in the future.

The recommended concept for this interbasin transfer project includes a raw water intake structure and pump station, nearly 3 miles of pipeline, a sedimentation basin, and approximately 23.6 miles of canal. The pump station will be located on the Trinity River at Capers Ridge. The pipeline will extend west southwest approximately 3 miles along a geological ridge (Capers Ridge) to the watershed divide between the Trinity River and the Lake Houston Watersheds. The pipeline will then outfall into the sedimentation basin at the start of the canal. The canal will outfall into the lower reaches of Luce Bayou, which flows into the northeastern corner of Lake Houston.

This Request for Qualifications is being issued to identify and select a qualified Engineering Firm to provide detailed design services for the LBITP Capers Ridge Pump Station and Raw Water Intake Structure (CRPS).

The following studies and reports provide complete background on the project and relevant information pertaining to the CRPS:

- Luce Bayou Interbasin Transfer – Final Environmental Impact Statement
- Preliminary Engineering Report – Appendix B of the Final Environmental Impact Statement
- Baird Report – Appendix I of the Final Environmental Impact Statement

CWA has retained a Technical Advisor to assist in development of this RFQ as well as the subsequent design services scope of work, review design submittals and assist with any other related technical issues. The selected firm will work with CWA and its Technical Advisor during the design of the CRPS.

Section B: Procurement of Professional Services

As a governmental agency and political subdivision of the State of Texas, CWA follows the Professional Services Procurement Act, Texas Government Code, Chapter 2254. CWA's Procurement Policy is available online and can be accessed at www.coastalwaterauthority.org.

PLEASE **DO NOT SUBMIT ANY PRICING INFORMATION** WITH YOUR RESPONSE TO THIS RFQ. FAILURE TO FOLLOW THIS INSTRUCTION WILL RESULT IN THE DISQUALIFICATION OF THE RESPONDENT'S SOQ.

Section C: Proposed Schedule

DATE	ACTIVITY
10 October 2013	RFQ posted on CWA web site
16 October 2013	Pre-Proposal Site Visit
25 October 2013	Deadline for Submittal of Inquiries to CWA Executive Director
15 November 2013	**Proposals due to CWA** (1801 Main Street, Houston, Texas 77002)
8 January 2014	Recommendation made to CWA Board of Directors

1. A pre-proposal site visit will be conducted on 16 October 2013 beginning at 10:00 am CST. Instructions and directions are attached to this RFQ. A maximum of two individuals per team will be allowed on the site visit. An email identifying the individuals who will attend the site visit is due to the Executive Director at least 24 hours before the site visit. CWA will not formally answer questions during the site visit. Questions shall be submitted in accordance with Section E.6.2 of this RFQ.

Section D: Scope of Work

1. The scope of work is to provide final design and supporting documents for the permitting, bidding and construction of the CRPS. Subsequent phases of work may include services during construction, start-up and commissioning assistance. The design shall include all of the infrastructure contained within the 90-acre CRPS property as shown on Exhibit B-3.1 of the Preliminary Engineering Report (PER). The design shall also include portions of the LBITP outside the 90-acre CRPS site including: hydraulics from the Trinity River to the proposed sedimentation basin required for CRPS design and design support for coordination with the Sam Houston Electric Coop for power supply to the CRPS. The respondent is expected to be familiar with all the reference documents developed for the LBITP to date. These documents will be used by CWA to develop the scope of work for final design.

   During contract negotiations, CWA will inform the selected firm of which design aspects are to be considered “frozen” and which issues require further analysis. The final design shall include detailed design drawings, specifications, and cost estimates for the CRPS project. Design reviews will occur at 30%, 60%, and 90% completion stages during the final design. Supporting engineering design reports and calculations as well as any required studies shall be provided. Engineering support for permit applications shall also be provided. The items beginning with paragraph 2 below reflect the preliminary scope of work for design. CWA will provide a more detailed scope of work including design criteria, operational requirements and engineering design standards during contract negotiations with the selected firm. The selected firm will also be required to gather input from CWA’s engineering and existing pump station operations staff to understand previous lessons learned, desired maintenance approaches, and existing operational and control approaches.

2. Surveys - Arrange and perform all topographic, bathymetric and other surveys required for detailed design of the facilities described below.

3. Geotechnical Investigation and Foundation Design - The selected firm shall review all previous geotechnical work and recommend any additional geotechnical explorations required to complete detailed design. Foundation design shall consider permanent use of cofferdam sheet piles as part of the intake structure.

4. Raw Water Pumping System Modeling - The selected firm shall perform steady-state and transient flow modeling from the Trinity River to the proposed sedimentation basin required for CRPS hydraulic design. This will include optimization of pump station discharge pipeline size and material as well as development of system curves for pump selection. The transient modeling will support the design of required surge mitigation devices for the pump station pipeline system and settling basin.

5. Trinity River Modeling and Bank Stabilization Design - CWA concurs with the Baird and Associates report and would like to avoid duplicating the same work during the CRPS design. However, the selected firm will be responsible for completing all modeling that in their judgment is necessary to complete the pump station and intake structure design. The selected firm shall be expected to develop a 3-D river model for the purpose of final design and verification of the impact of the intake on flood profiles. The selected firm should expect to review all of the bank stabilization options provided in the Baird report, and identify any other viable alternatives during design. The results of this analysis shall be summarized in a Technical Memorandum with recommendations included in the 30% design submittal for CWA review.

6. Permitting - CWA will apply for all permits that are required prior to the award of a construction contract. The construction contractor shall obtain all remaining permits for construction activities. The selected design firm shall provide engineering design support to CWA's permitting efforts, as required. CWA will provide a list of expected permits during contract negotiations.

7. Facilities Layout and Location - With minor exceptions and pending final environmental impact statement approval, the respondent can consider the facilities location and layout shown in the PER as the basis for final design.

8. Civil Site Design – The selected firm should consider optimization and refinement of the civil design shown in the PER and currently used in environmental permitting documents. For example, stormwater pond sizing may need to be modified, sediment management facilities may require additional space, surge protection (surge tanks) may be required, electrical switchgear may need to be relocated closer to the pump motors, and substation requirements may change based on final pump selection. Access roads shall be designed for construction and pump station operations including appropriate traffic control and security.

9. Cofferdam and Deep Excavation Plan - The selected firm shall prepare a draft plan showing the cofferdam and proposed deep excavations during the 30% design phase. The purpose of this plan is to support cost estimating accuracy and ensure a safe, constructible project. The draft plan will be provided to the construction contractor during bidding for their use in finalizing construction means and methods.

10. Intake Design – The selected firm shall optimize the intake design shown in the PER by considering bank stabilization, sediment management, debris management and cofferdam design. This optimization should be performed in the context of the approved USACE 404 permit and other environmental permits. CWA considers the upstream/downstream location of the intake to be final, but the position relative to the existing thalweg should be optimized.

11. Trash Rack Design – The selected firm shall optimize the trash rack design as shown in the PER. Bar spacing should be confirmed with pump suppliers and comply with requirements of all project permitting agencies. Although there are no specific regulations on approach velocity, CWA is in general agreement with the proposed velocities documented in the PER. At least one full depth pier to split the trash rack and wet well in two even parts is desired. The trash rack cleaner proposed in the PER may be acceptable to CWA, but respondent should verify and propose alternatives.

12. Sediment Management Plan – The selected design firm shall develop a final sediment management plan during the 30% final design phase including review of the Baird & Associates and PER sediment forecasts. The engineer will also be required to complete an alternatives evaluation and provide recommendation for specific sediment management systems such as sediment jetting, raw water transmission line pigging and drainage, sediment collection in the wet well, sediment drying beds, sediment slurry return piping to the Trinity River and other proven technologies. Although not responsible for the final design of the sedimentation management system, the CRPS design firm will provide expected sediment load and grain size distribution to that facility.

13. Pump Bay Design - Design of the unit pump bays shall meet applicable Hydraulic Institute (HI) Standards. The design shall include eight (8) independent unit bays as shown in the PER. Each bay shall have provisions for dewatering and adequate access for maintenance. Perform physical hydraulic model tests on the selected pump bay design in accordance with HI Standards.

14. Pump Station Hydraulic Design - Develop a computational fluid dynamics (CFD) model of the entire intake and pump station, including the near field area of the Trinity River. The purpose of this model will be to measure the hydraulic performance of the pump station under different river flow and diversion amount scenarios. This model will also support investigations of sediment transport and collection as well as establishing preliminary boundary conditions for the physical hydraulic modeling of the pump bays.

15. Pump Selection - Finalize the pump selection based on system requirements and operational scenarios provided by CWA during negotiations. CWA is in general agreement with the number and size of pumps shown in the PER, but expects the respondent to make recommendations on the need for a redundant pump or the need and benefit of any VFDs.

16. Discharge Piping/Header - Provide final recommendations on discharge piping and header configuration at the 30% final design completion phase. Factors for consideration are provisions for surge protection, sediment management, invasive species management, ease of maintenance and site layout considerations such as pump removal and lay down considerations. CWA intends to preserve the redundancy and separate delivery to the two raw water transmission lines shown in the PER.

17. Zebra Mussel Management Plan - Review existing information provided by CWA and assist in development and implementation of the required actions based on the associated risk level. Evaluation of potential control and removal measures shall be completed and provided as part of the 30% final design submittal for CWA review.

18. Building Design - CWA is generally in agreement with the building layout design shown in the PER. The respondent shall refine the design including preparation of detailed space planning and architectural design for review as part of the 30% final design, subsequent to completing final design.

19. Electrical Design – For the CRPS site and facilities, the respondent shall design the electrical systems to be compatible with the electrical utility's requirements and to meet CWA and industry standards. The selected firm will also provide design information to support CWA's effort to secure firm power supply

commitments from Sam Houston Electric Coop (electrical power provider). This will include a comprehensive load list for each of the LBITP facilities and specific power factor requirements. Lead times for the delivery of power shall be documented in the overall project schedule. This will include both permanent facility power and construction power. Additional scope and requirements for electrical design will be provided during negotiations with the selected firm.

20. Instrumentation and Control Design - During negotiations, CWA will provide general scope and system operational control methodology for the LBITP. Respondent shall design the Instrumentation & Control systems for the CRPS.

21. Erosion and Sediment Control Plan (ESCP) - Prepare a draft ESCP to demonstrate compliance with USACE permit conditions. This draft ESCP shall be provided to the CRPS construction contractor for finalization and implementation during construction.

22. Security Design - Provide recommendations and design for all physical site security measures for the CRPS.

23. Safety Systems Design - The design shall consider and comply with applicable health and safety guidelines and requirements. Additional design criteria will be provided during contract negotiations with the selected firm.

Section E: General Guidelines for Responses

1. Submission of SOQ

ALL SOQ's SHALL BE RECEIVED AT THE MAIN OFFICE OF THE COASTAL WATER AUTHORITY IN HOUSTON, TEXAS AND SHALL BE ADDRESSED AS FOLLOWS:

Coastal Water Authority
1801 Main Street, Suite 800
Houston, Texas 77002

RE: Statement of Qualifications for Professional Engineering Services the Luce Bayou Interbasin Transfer Project - Capers Ridge Pump Station and Raw Water Intake Structure

SOQ's WILL BE RECEIVED UNTIL 3:00 PM (CENTRAL LOCAL TIME) ON THE DATE INDICATED IN THE SCHEDULE.

Any SOQ received after the date and time specified shall be considered late. Please do not submit your SOQ by fax or e-mail. All respondents are encouraged to avoid submitting their SOQ on the last day and/or after 12:00 noon on the date due.

2. SOQ Size Limitation and Length

All SOQ's should be bound, and printed on 8-1/2" x 11" paper, with a font no smaller than 12 point including tables, charts, etc.. Submittals are limited to thirty five (35) single sided sheets. Full project team member resumes shall be provided as an attachment, and are not part of the thirty five page limit. Project references must be included within the thirty five sheet limit. All respondents are requested to submit ten (10) bound copies and one electronic PDF version of their SOQ.

3. Opening of the SOQ's

No SOQ's will be publicly opened. Only the members of the CWA Review Committee, CWA Superintendents, and the CWA Board of Directors, will be provided access to the SOQ's and evaluation results.

4. Contact with CWA Personnel and CWA Board of Directors

The Executive Director of CWA is the sole "point of contact" for this solicitation. As it pertains to this RFQ, any contact with any other CWA employee is prohibited and may be considered grounds for disqualification at CWA's sole discretion. In addition, contact with any member of the CWA Board of Directors, CWA's General Engineering Consultant, CWA's Technical Advisor (CH2M Hill) or CWA's legal counsel, as it pertains to this RFQ, is prohibited and may be considered grounds for disqualification at CWA's sole discretion. The Executive Director may be contacted as follows:

Mr. Donald Ripley, P.E.
Coastal Water Authority
1801 Main St., Suite 800
Houston, Texas 77002
dripley@coastalwaterauthority.org

5. Format/Content

All SOQ's must conform to the formatting and other requirements contained herein. Incomplete SOQ forms, schedules and/or information sheets may be grounds for disqualification.

6. Requirements of Firms Prior to SOQ Submission Deadline

6.1 Review of Documents. Firms shall read and understand the complete RFQ package including those sections that shall be completed subsequently by the Firm to whom an award is made.

6.2 Clarifications Regarding Scope of Services. CWA shall attempt to answer written inquiries concerning this solicitation, but shall not be obligated to do so. If a respondent believes this request contains an error or ambiguity, the respondent is encouraged to make a written inquiry to CWA explaining the issue and referencing paragraph and page number in the RFQ, along with the specific question. Written inquiries must be submitted to the Executive Director by the date indicated in "Section C: Proposed Schedule". Inquiries can be e-mailed to the Executive Director at dripley@coastalwaterauthority.org. An SOQ item, which, in the opinion of CWA, is not in exact compliance with this request and which has not been modified or clarified may, at CWA's sole and complete discretion, be considered an exception to the guidelines or be rejected as a non-conforming response.

7. CWA Reservation of Rights

CWA reserves the right to reject any and all SOQ's, and/or to waive any and all irregularities and/or formalities in the SOQ's. CWA shall evaluate all responses in accordance with the RFQ requirements. CWA may request additional written or oral information from respondents to obtain clarifications with respect to their SOQ. CWA may make award from this solicitation without discussions, field interviews, and/or formal interviews, or may conduct interviews with one or more respondents. CWA reserves the right to amend "Section C: Proposed Schedule" for its convenience. CWA reserves the right to engage in business with responsible firms who, in the opinion of the CWA, exhibit sound management, quality control, capacity, professional engineering experience, financial resources, and professional engineering ethics to perform the duties and responsibilities required of this solicitation.

8. Discussions with Responsible Firms and Revisions to SOQ

Discussions may be conducted individually with responsible respondents for the purpose of clarification or to assure full understanding of, and responsiveness to, this solicitation. CWA reserves the right to determine when, and with whom, to conduct discussions. As a result of such discussions, revisions may be permitted

after initial submissions and prior to award. In conducting discussions, CWA will not disclose to any respondent any information derived from an SOQ submitted by another respondent. The purpose of such discussions may include: (a) investigation in greater detail of a respondent's qualifications; (b) clarification with the respondent of the scope and nature of the CWA system; (c) discussion of the respondent's proposed project organizational structure; (d) discussion of the proposed utilization of MWDBE-HUB firms; and/or (e) discussion of the experience and/or availability of key personnel required to perform the necessary services.

9. Addenda

Nothing in the instructions shall limit CWA's right to issue addenda to this RFQ.

10. Confidential Information

The Coastal Water Authority is subject to the Texas Public Information Act ("TPIA"). Any information submitted to CWA shall be available to the public, unless it is clearly marked "CONFIDENTIAL". If another party requests access to information marked "Confidential", CWA shall ask the respondent if the information may be released. If the release is agreed to, CWA shall release the information. If the release is denied, the matter shall be referred to the Texas Attorney General's Office where the respondent shall be responsible for substantiating its confidentiality. The Attorney General's office shall rule on the matter. After award of the contract for this solicitation by the CWA Board of Directors, no information contained in any SOQ's is considered confidential under the TPIA and will be disclosed without making a request to the Texas Attorney General.

11. References

The Respondent must list prior work performed for CWA. At its sole discretion, CWA reserves the right to contact general and specific references of the respondent at any given point in the review process. Any information obtained by the CWA Review Committee from a given reference will be kept confidential.

Respondents are requested to submit no more than four (4) references for the firm and team for similar projects. References will be contacted by CWA using information (name, phone and email address) provided by respondent on the attached reference forms. It is the responsibility of the respondent to ensure that all references are available to provide responses to inquiries regarding respondents past performance related to CWA's evaluation of their SOQ.

Additional requirements for reference information is provided in Section F (paragraph 3.d).

12. Utilization of MWDBE and/or HUB Firms

The successful respondent to this solicitation will be required to make good faith efforts towards an MWDBE-HUB utilization of twenty-four percent (24%) of all work assigned under this contract. All potential MWDBE firms must be so certified by the City of Houston Affirmative Action and Contract Compliance Division on, or before, the date responses are due. All such MWDBE firms must be used for the service or expertise they are certified to perform. Respondents may also utilize Historically Underutilized Businesses ("HUB") as certified by the State of Texas. All such HUB certification must be obtained on, or before, the date responses are due. It is the desire of CWA that any, and all, MWDBE-HUB firms utilized are given meaningful work and/or meaningful opportunity to utilize their services. CWA also encourages mentoring relationships where appropriate or possible.

13 Insurance Requirements

The successful respondent to this solicitation will be required to meet CWA's minimum standard insurance requirements. Insurance must include a waiver of subrogation on behalf of CWA on all policies except professional liability and must include the addition of CWA as an additional insured on all policies with the exception of worker's compensation and professional liability. At all times during the performance of services pursuant to the contract and associated work order issued, and through the expiration of the last warranty period, respondent shall provide and require all subcontractors to provide insurance coverage with companies

lawfully authorized to do business in Texas and acceptable to CWA, at the sole cost of respondent and all subcontractors. The minimum limits of liability on such policies shall be as on the following table:

REQUIRED MINIMAL LIMITS OF LIABILITY TABLE

A. Workers' Compensation Texas Operations Employer's Liability	Statutory Accident $1,000,000 Each Accident Disease $1,000,000 Each Employee Disease $1,000,000 Policy Limit
B. Commercial General Liability Including, but not limited to: 1. Premises/operations 2. Independent contractors' protective 3. Products and completed operations 4. Personal injury liability with employment exclusion deleted 5. Contractual 6. Owned, non-owned and hired motor vehicles	$2,000,000 General Aggregate $2,000,000 Products / Completed Operations Aggregate $1,000,000 Each Occurrence $1,000,000 Personal and Advertising Injury $500,000 Fire Damage Liability
C. Professional Liability	$5,000,000 on claims-made basis covering errors and omissions of respondent and its subcontractors.
D. Business Automobile Liability including All Owned, Hired and Non-owned Automobiles.	$1,000,000 Combined Single Limit Per Accident
E. Umbrella Liability	$5,000,000 Per Occurrence $5,000,000 Aggregate Bodily Injury and Property Damage

*Aggregate limits are per 12-month policy period unless otherwise indicated.

Section F: Required Elements of the SOQ

1. Team and Management Approach

   a. Clearly present and describe the proposed project team. Identify each firm on the team and their responsibility during design. List the headquarters address for each firm and provide the total number of staff located in each firm's Houston office. For each firm, identify the percentage of work that will be performed by staff located in their Houston office. The Prime firm should identify its Texas Board of Professional Engineers (TBPE) number.

Explain the proposed management structure of your team and relationship of all team member firms or joint venture partners (if any). If a joint venture is proposed, provide supporting information to document ownership and relationship of partners.

b. Clearly describe the communication plan for your team (internal and with CWA) and explain how you will manage the delivery and quality of deliverables from multiple organizations and offices, if required. Describe the division of work (by engineering discipline, facilities, or other as appropriate) between the Prime firm and subconsultants.

c. Team Personnel - Provide a description and organizational structure for the proposed design team and subconsultants, including the following key project personnel, at a minimum: Principal-In-Charge, Project Manager, Quality Control Manager, Design Manager or Lead Design Engineer, and project engineering leads for the following disciplines: Geotechnical, Structural, Mechanical, Hydrology and Hydraulics, Electrical, I&C, Civil, Estimator, Scheduler, Surveyor, and all modeling and/or proposed studies. Clearly describe the experience and capabilities of the proposed personnel to meet the requirements of the CRPS Project. The proposed Project Manager must be a licensed professional engineer (P.E.) in the State of Texas and registered with the Texas Board of Professional Engineers.

d. Resumes for Team Personnel - Provide the following information for all proposed key personnel, at a minimum, listed in item c. above:
   i. Name
   ii. Position
   iii. Responsibility
   iv. Current and proposed office work location for duration of this project
   v. Role on past projects presented in Item 3, below.
   vi. Name of firm
   vii. Number of years with current firm
   viii. Total years of experience and total years experience in the role proposed
   ix. Education and degree(s)
   x. Registrations
   xi. Availability (percent of time) and commitment to fulfill the proposed role
   xii. List of other ongoing client project commitments during the proposed design schedule (schedule assumptions referenced in paragraph 2.d below).

e. Quality management processes. This is a high priority project for CWA and its stake-holders and will require a detailed and implementable Quality Management Plan (QMP). Explain your proposed QMP and include any proposed quality management activities in your design schedule. The expectation is that the Prime Firm will ensure that both the Prime firm and its subconsultants complete internal Quality Control (QC) prior to submittal of deliverables to CWA. CWA and their Technical Advisor will perform review of all design deliverables, provide written comments, and tracking of comment resolution. The proposed document control system will be web-based for distribution of deliverables and should include Quality Review Forms (QRF).

2. Technical Approach

   a. Present your proposed technical approach to accomplish the scope of work identified in Section D above.

   b. Clearly identify all studies and modeling to be performed along with expected benefits for this project.

c. Describe design approach to address future expansion requirements of the CRPS system

d. Design Schedule - provide a proposed design schedule in Gantt chart format along with a narrative description showing early start and finish dates, task durations, and critical path. Include 30%, 60%, 90% and bid-ready design submittal milestones and all studies, surveys, modeling, design submittals, review periods (internal and CWA reviews), revisions, permits, and other activities to complete the design. Assume the final design period is from notice to proceed (expected March 2014) to the advertisement date for the construction contract bid documents (anticipated date of August 2015). Provide a list of scheduling assumptions, critical activities and possible mitigation required to maintain proposed design completion date.

e. Identify any project risks and associated mitigation strategies to be used to complete the design within the proposed timeframe.

f. Provide a description of proposed lifecycle cost analysis during the final design phase, if any, and benefits in controlling estimated capital and operating costs of the facilities.

g. Describe your proposed method to provide construction cost estimating and schedule updates during design.

h. Describe your team's capabilities in use of CADD/3D design/BIM and potential benefits for this project.

i. Present any innovative ideas with respect to planning, modeling, engineering, equipment selection, contractor procurement, construction, facility startup/testing/commissioning and the expected benefit (construction cost reduction, schedule reduction, O&M cost reductions, risk elimination, etc.)

3. Experience and Past Performance

a. Provide a description of four (4) past projects of similar scope and complexity that demonstrate your team's ability to provide the requested design services for the CRPS Project. To be considered, projects must be at least 50% complete with construction, or have been completed within the last 10 years. Present your project information and description in the format presented in Attachment A.

b. Demonstrate how comparable projects in 3.a. above are similar in scope and complexity to this project. Provide the total discharge head, individual pump horsepower, and total pump station horsepower for each similar project.

c. Document the extent to which team members (within the Prime firm and proposed subconsultants) have worked together on previous projects.

d. Provide client reference information for each project including phone number and email address. It is highly recommended that respondents contact references prior to submittal of proposals to confirm they will provide a reference once contacted. In the event CWA can't reach clients or if clients do not provide references, a score of zero will be applied to the appropriate evaluation criteria.

e. CWA reserves the right to contact Pump Station Owners and/or visit listed projects.

4. Minority, Women, Disadvantaged, Business Enterprises/Historically Underutilized Businesses (MWDBE/HUB)

   a. CWA has established an MWDBE participation requirement of **24%** for this project.

   b. For those MWDBE-HUB firms identified in the response, please describe how those firms will be utilized in the project execution. Specifically, provide a detailed scope of services expected to be performed by each MWDBE/HUB team member. For those respondents who have yet to enter into agreements with any MWDBE-HUB firms, or have entered into agreements with only a portion of the eventual number of MWDBE-HUB firms to be utilized, and instead choose to make a declarative statement regarding their intent, must explain why MWDBE-HUB firms are not being fully identified at this point, and provide a detailed approach as to how MWDBE-HUB firms will be utilized and/or mentored.

      For each MWDBE-HUB team member firm, provide the following information:

      - Type of Diversity (MBE, WBE, DBE, HUB)
      - City of Houston MWDBE Certificate No., Expiration date, and Certification Category
      - State HUB Certificate No. and State HUB certification expiration date

      NOTE: An MWDBE Certificate issued by the City of Houston may list several "Certified Categories". It is only necessary to indicate the "Certified Category" for the service(s) to be provided as a subcontractor of the Prime.

   c. The qualifications for each subcontractor should reflect a proven history in technical areas and/or projects applicable to that envisioned under this contract as well as experience working with the Prime firm.

Section G: Evaluation Criteria

In compliance with the Professional Services Procurement Act, CWA will evaluate all responses to identify the most highly qualified respondent to the RFQ.

The evaluation process will consist of a review of the written SOQ's by a designated selection committee, and determination of a short-list. At CWA's discretion, a formal interview of the short-listed firms may or may not also be conducted. The number of firms short-listed will be at the discretion of CWA. The evaluation of SOQs will be based on a score of 0 through 100 points and will be weighted as follows:

RFQ Requirement/Section	Total Points
Responsiveness to requirements of RFQ	5
Team and Management Approach	25
Technical Approach and Schedule	25
Experience and Past Performance	30
MWBE/HUB Utilization and Qualifications	15

Section H: Additional Minimum Information (Required)

Each respondent MUST complete this section in its entirety. If a question is not applicable, respondent should state "not applicable".

Contact Information

Contact Name:	
Title:	
Phone Number:	
E-Mail Address:	
Fax Number:	

The undersigned party declares: (a) that it is has reviewed and agrees to the requirements of this RFQ; (b) that the signatory has the authority to submit the "Statement of Qualification" and sign a resulting contract with the CWA; (c) that prior to the award of any contract resulting from this SOQ, neither the respondent, nor any of its subcontractors or subconsultants, nor their agents nor employees have or will: (1) offer or give gratuities to a CWA employee or affiliate, (2) pay a kickback to obtain favorable treatment in connection with a CWA contract, (3) "buy-in" to obtain a contract with CWA, (4) participate in practices which unlawfully eliminate competition or restrain trade, and (5) commit bribery to obtain favorable treatment by CWA or any affiliates; and (d) that either (1) no delinquent corporate franchise taxes are owed the State of Texas under Chapter 171, Tax Code or (2) the Firm is not subject to the corporate franchise tax in Texas.

Signature:	
Printed Name:	
Title:	
Date:	

Attachment A
PROJECT EXPERIENCE FORM

Project Experience Form

Firm Name:

PROJECT 1 (COMPLETE SEPARATE FORM FOR EACH PROJECT)

Name/Location:

Owner:

Contact Person:

Current Phone Number:

Completion Date:

Project Cost:

Project Description:

Services Provided:

Luce Bayou Interbasin Transfer Project
Capers Ridge Pump Station and Raw Water Intake Design
Pre-Proposal Site Visit
Information and Directions

A pre-proposal site visit will be conducted on 16 October 2013 beginning at 10:00 am CST. Directions are provided below. A maximum of two individuals per team will be allowed on the site visit. An email identifying the individuals who will attend the site visit is due to the Executive Director (dripley@coastalwaterauthority.org) at least 24 hours before the site visit. CWA will not formally answer questions during the site visit. Questions shall be submitted in accordance with Section E.6.2 of the Request for Qualifications. Please note – existing road conditions may be poor and require the use of 4-wheel drive vehicles. Safety hazard at the site include but are not limited to uneven terrain, muddy conditions, snakes, poison ivy/oak, etc. Site visit attendees are responsible for bringing appropriate personal protective equipment.

Driving Directions

From Dayton, Texas via SH321
Head North on SH321 to FM 1008
Take a right and head East on FM1008 to CR 2317
Take a left and head east on CR 2317 for 1 mile.
Take a right into the entrance to the site at the end of the paved section of CR 2317.

From Dayton, Texas via FM 1008
Head North on FM1008 to CR 2317
Take a right and head east on CR 2317 for 1 mile
Take a right into the entrance to the site at the end of the paved section of CR 2317.

From Cleveland, Texas via SH 105/SH321
Head east on SH 105 to SH 321
Head South on SH321 to FM 1008
Take a left and head east on FM 1008 to CR 2317
Take a left and head east on CR 2317 for 1 mile
Take a right into the entrance to the site at the end of the paved section of CR 2317.