

ADV. No.: BI-T- 611-ENG

Connecticut Department of Administrative Services
Division of Construction Services
 Office of Design & Construction
 Process Management/QBS Unit
 165 Capitol Avenue
 Hartford, CT 06106

Request for Qualifications (RFQ)
Web Advertisement
For Architect/Engineer (A/E) Consultant Services

Adv. No.:	BI-T- 611- ENG	Web Advertisement Date:	Wednesday Sept. 24, 2014
Selection Type:	Major Capital Project Consultant Selection		
General Statement:	In accordance with the requirements of CGS §4b-55 through §4b-59, the State of Connecticut, Department of Administrative Services (CT DAS), Division of Design & Construction (DCS), Process Management/QBS Unit advertises for Requests for Qualifications (RFQs) for the Major Capital Project Architect/Engineer (A/E) Consultant Services as specified below.		
Consultant Services:	Design and implement a complete water system controls upgrade for the fish hatchery water system along with electrical equipment upgrades with the purpose of reducing energy consumption and also to automate the rearing water systems throughout the facility in order to improve the monitoring of the critical fish life support systems and biosecurity of the hatchery and to extend the life of the infrastructure.		
Contract Number:	BI-T- 611- ENG		
Contract/Project Title:	Quinebaug Valley Hatchery Energy & Water Supply Operating Improvements		
Project Location(s):	145 Trout Hatchery Road, Plainfield, CT 06374		
Cost of the Work:	\$1,810,000		
User Agency Name:	DEEP		
Project Delivery Method:	<input checked="" type="checkbox"/>	Design-Bid-Build (D-B-B): Architect/Engineer (A/E) consultants shall be selected to develop design and construction documents for the State to publically bid the Major Capital Project. The general contractor that is the "lowest responsible and qualified bidder" is then awarded a contract by the State to build the Project.	
	<input type="checkbox"/>	Construction Manager At Risk (CMR) - Guaranteed Maximum Price (GMP): Architect/Engineer (A/E) consultants shall be selected to develop design and construction documents in the cooperation with a CMR for a Major Capital Project. The CMR shall publically bid the project elements and enter into a GMP contract with the State. After consultation with and approval by the commissioner, the CMR shall award subcontracts to responsible qualified subcontractors submitting the lowest bids to build the Project.	
Project Description:	<p><u>BACKGROUND</u></p> <p>The operation of the hatchery facility depends upon the continuous flow of well water from a total of sixteen wells scattered around the 140 acre site. The well pumps range in size from 15 to 50 horsepower and operate continuously throughout the year. Four wells are no longer operated due to high iron content of the water. Additionally, most of the remaining wells now produce less flow than their original production rates. Nearly all of the wells are prevented from operating at full flow in order to maintain the water levels within the wells, and/or, to minimize pushing against other wells tied into the same piping system.</p> <p>Originally the facility was designed to operate on a well water flow of 5000 gpm. At present the flow rate is 3,130 gpm. The wells pump water through an interconnected, in-ground piping system to three head tanks, the Main, Hatch House and Brood Stock Head Tanks from which the water flows by gravity to the various fish tanks throughout the facility.</p>		

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	<p>Currently the facility is operating at 3,130 gpm/5,000 gpm or 62% of the needed flow. This is only 87% (3,130gpm/3,600 gpm) of the required first use well water flow. The hatchery is attempting to operate with on 87% of the required first use well flow without any well system redundancy or back-up units. Water is actually reused 6 times in the rearing program,. The staff is forced to use untreated water, pumped recirculation water now to meet the 50ft diameter tank water requirements. This untreated recirculation water use has the potential to spread disease, causes reduced facility biosecurity and significantly decreases the water quality in the 50ft fish production tanks.</p> <p><u>OPPURTUNITY</u></p> <p>Currently, the facility relies on automatic process instrumentation, an alarm system and human intervention to maintain smooth around the clock 365 days-per-year operation. Well and related water supply system problems along with monitoring critical fish life-support water quality parameters will trigger alarms which the personnel must respond to and make required corrective actions. Improve automatic controls are available which will self monitor systems, take corrective actions and reduce human effort in maintaining critical fish life support systems. This improved technology will reduce the risk of a catastrophic large scale loss of fish due to potential system problems.</p>
Designated Services:	<p>This project includes water system control and electrical equipment upgrades which will reduce energy consumption and automate rearing water systems throughout the facility. These infrastructure improvements will improve monitoring of critical fish life support systems, improve fish health and biosecurity of the hatchery and extend the life of the infrastructure. The current value of the fish production infrastructure of the facility is in the 35 to 40 million dollar range based upon 2012 replacement costs. At all times during construction it is critical that the facility remain in operation.</p> <p>Individual components of the proposed rearing water system improvements include:</p> <ul style="list-style-type: none"> • Upgrade the well pumps and motors for better performance and energy efficiency. • Install automated controls on 13 individual wells which will coordinate operation of the entire well system to save energy and conserve groundwater resources. • Improve infrastructure to accurately determine water flows, monitor well water production, and adjust operation of wells to conserve energy and groundwater. • Install a recirculation water treatment system which will allow for the safe re-pumping of used aquaculture water extending the useful life of the well infrastructure by using less groundwater and improving the biosecurity and water quality of the trout rearing water supply system. The proposed treated pumped water recirculation system uses less energy to operate than the equivalent volume of well water supply pumping so there is overall energy savings in using a combination of 1st use well pumping and water recirculation.

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Summary of Electronic Uploading Requirements for Affidavits & Nondiscrimination Forms	<p>Public Act No. 11-229, "Business Friendly Initiative": The State of Connecticut has revised its submittal requirements for Affidavits and Nondiscrimination Forms. Each firm is now required to open a BizNet account on the DAS website and then electronically upload certain Affidavits and Nondiscrimination Forms to their DAS BizNet account.</p> <p>Instructions for opening a BizNet account and uploading the Affidavits and Nondiscrimination Forms can be found on the DAS website (http://das.ct.gov), by clicking on "State Procurement Marketplace" and then clicking on "DAS Business Friendly Initiatives".</p> <p>Firms should use the Affidavits and Nondiscrimination Forms found under the BizNet link. Once uploaded, Affidavits shall be updated and submitted annually and Affidavits and Nondiscrimination Forms shall be updated within 30 days of any changes to the submitted information.</p> <p>Questions concerning the electronic uploading of Affidavits and Nondiscrimination Forms can be directed to DAS Procurement Services at (860) 713-5095.</p>	
Documents that must be <u>Electronically Uploaded</u> to the DAS BizNet Website Prior to the QBS Submittal Booklet due date:		
All State Contracts with a cost or value of \$50,000 or more	<input checked="" type="checkbox"/>	<p>OPM Form 5 (Consulting Agreement Affidavit) NOTE: For this form, "Consulting Agreement" means any agreement with third parties for purposes described in C.G.S. 4a-81(b)(1). If there are no such agreements, the firm only needs to complete the shaded portion and have the affidavit notarized.</p>
All Large State Construction or Procurement Contracts with a cost of \$500,000 or more	<input checked="" type="checkbox"/>	<p>OPM Form 5 (Consulting Agreement Affidavit) NOTE: For this form, "Consulting Agreement" means any agreement with third parties for purposes described in C.G.S. 4a-81(b)(1). If there are no such agreements, the firm only needs to complete the shaded portion and have the affidavit notarized.</p>
	<input checked="" type="checkbox"/>	<p>OPM Form 6 (Affirmation of Receipt of State Ethics Laws Summary) When DCS is seeking a contract for a large state construction or procurement contract having a cost of more than five hundred thousand dollars (\$500,000), DCS shall provide all potential consultant and contractor firms with the "Guide to the Code of Ethics For Current or Potential State Contractors". The "Guide to the Code of Ethics For Current or Potential State Contractors" can be downloaded from the website of the Office of State Ethics, Quick Links, Plain Language Guides (http://www.ct.gov/ethics). Questions concerning the "Guide to the Code of Ethics For Current or Potential State Contractors" can be directed to the OSE at 860-263-2400.</p> <p>IMPORTANT NOTE: If the firm has any contracts with any subcontractor or subconsultant that <u>also exceeds</u> \$500,000.00 for the project, the firm must submit an "Affirmation of Receipt of State Ethics Laws Summary" filled out and signed from each such subcontractor or subconsultant.</p>
	<input checked="" type="checkbox"/>	<p>OPM Form 7 (Iran Certification)</p>
Conditional Selection of Firm: Additional Affidavits & Certification Requirements	<p>At the time a Firm is notified of its "Conditional Selection" by DCS, it will be given instructions regarding additional certificates, affidavits, and other information that must be submitted for the processing of its contract by the DCS Legal Services Unit.</p> <p>In accordance with the requirements the DCS Legal Services Unit, the selection of a firm is conditional upon completing and submitting, within 14 calendar days of being notified by email, certain documents as described in the Conditional Selection Notification Letter. Some documents are required to be electronically uploaded in accordance with Connecticut General Statutes Public Act No. 11-229, "Business Friendly Initiative". Others must be submitted as hard copies directly to the DCS Legal Services Unit.</p>	

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Date DCS Began Planning This Project:	June 25, 2014																																							
Qualifications Based Selection (QBS):	The Consultant must submit a Qualification Based Selection (QBS) Submittal Booklet as described below. The QBS process is based on comparing and evaluating weighted criteria of qualifications and performance of Firms in relation to work of similar scope and complexity that is required for this specific contract. The Contract award is based first on a selection of the highest qualifications and second on the negotiation of a fair and reasonable fee. For the screening phase of this selection the following are the rating point weights for the screening criteria categories:																																							
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Criteria Number</th> <th style="width: 70%;">Screening Criteria Categories</th> <th style="width: 20%;">Rating Points</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Experience with Work of Similar Size and Scope as Required for this Contract</td> <td style="text-align: center;">35</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Organizational / Team Structure For This Contract</td> <td style="text-align: center;">30</td> </tr> <tr> <td style="text-align: center;">3</td> <td>Past Performance Record</td> <td style="text-align: center;">20</td> </tr> <tr> <td style="text-align: center;">4</td> <td>Partnering Experience</td> <td style="text-align: center;">15</td> </tr> <tr> <td style="text-align: center;">-</td> <td>Available Rating Points per Screening Panel Member per Consultant</td> <td style="text-align: center;">100</td> </tr> <tr> <td style="text-align: center;">-</td> <td>Available Rating Points for three (3) Panel Members per Consultant</td> <td style="text-align: center;">300</td> </tr> <tr> <td style="text-align: center;">-</td> <td>Available Rating Points for five (5) Panel Members per Consultant</td> <td style="text-align: center;">500</td> </tr> <tr> <td style="text-align: center;">-</td> <td style="text-align: center;">Additional Criteria Considerations</td> <td style="text-align: center;">-</td> </tr> <tr> <td style="text-align: center;">-</td> <td>Available Rating Points for CT Code Expertise per Consultant</td> <td style="text-align: center;">10</td> </tr> <tr> <td style="text-align: center;">-</td> <td>Available Rating Points for Site Proximity per Consultant</td> <td style="text-align: center;">10</td> </tr> <tr> <td style="text-align: center;">-</td> <td>Total Available Points per Consultant (for 3-panel member selections)</td> <td style="text-align: center;">320</td> </tr> <tr> <td style="text-align: center;">-</td> <td>Total Available Points per Consultant (for 5-panel member selections)</td> <td style="text-align: center;">520</td> </tr> </tbody> </table>	Criteria Number	Screening Criteria Categories	Rating Points	1	Experience with Work of Similar Size and Scope as Required for this Contract	35	2	Organizational / Team Structure For This Contract	30	3	Past Performance Record	20	4	Partnering Experience	15	-	Available Rating Points per Screening Panel Member per Consultant	100	-	Available Rating Points for three (3) Panel Members per Consultant	300	-	Available Rating Points for five (5) Panel Members per Consultant	500	-	Additional Criteria Considerations	-	-	Available Rating Points for CT Code Expertise per Consultant	10	-	Available Rating Points for Site Proximity per Consultant	10	-	Total Available Points per Consultant (for 3-panel member selections)	320	-	Total Available Points per Consultant (for 5-panel member selections)	520
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The QBS Selection for this Project shall be conducted in accordance with requirements stated in the Consultant Services Selection Procedure Manual (0320) :																																								
<ol style="list-style-type: none"> 1. Go to the DCS Website: www.ct.gov/dcs; 2. At the top of the DCS Home Page click on the DCS Library link; 3. Scroll down and click on the Consultant Services Selection Procedure Manual (0320) link. 4. For the number of active and inactive Selections and Contracts that are allowed to be held by a firm by at one time see the QBS - Guidelines for Selection and Contract Limits (1210) link. 																																								
QBS Email Registration:	To access the QBS Email Registration for this Project: <ol style="list-style-type: none"> 1. Go to the DCS Website: www.ct.gov/dcs; 2. At the top of the DCS Home Page click on the DCS Library link. 3. Scroll down and click on the QBS Email Registration (1211) link. 																																							
QBS Submittal Booklet Requirements:	To access the QBS Submittal Booklet Requirements for this Project: <ol style="list-style-type: none"> 1. Go to the DCS Website: www.ct.gov/dcs 2. At the top of the DCS Home Page click on the DCS Library link. 3. Scroll down and click on the QBS Submittal Booklet Requirements (1212) link. 																																							

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QBS Submittal Deadline and Location:	<p>Deadline for the receipt of the QBS Submittal Booklets is: 3 p.m. Monday Oct. 20, 2014</p> <p>QBS Submittal Booklets shall be submitted to the following address: State Office Building Department of Administrative Services Division of Construction Services Office of Design & Construction Process Management/QBS Unit -Room 478 165 Capitol Avenue Hartford, Connecticut 06106</p> <p><u>IMPORTANT NOTE:</u> Failure to submit properly formatted QBS Submittal Booklets with all of the required contents by the designated deadline and location may result in the Firm's submittal being deemed deficient for consideration for this Contract.</p>			
RFQ Contacts:	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top; padding: 5px;"> <p><i>For Questions Concerning General QBS Submittal Requirements:</i></p> <p>DCS Process Management/QBS Unit: Randy Daigle, Project Manager DCS Process Management/QBS Unit Room 478 165 Capitol Avenue Hartford, Connecticut 06106 Email: randy.daigle@ct.gov</p> </td> <td style="width: 10%; text-align: center; vertical-align: middle; padding: 5px;">OR</td> <td style="width: 40%; vertical-align: top; padding: 5px;"> <p><i>For Questions Concerning this Consultant Services Contract:</i></p> <p>DCS Project Management Unit: Thomas Surprenant DCS Project Management Unit Room 460 165 Capitol Avenue Hartford, Connecticut 06106 Email: Thomas.surprenant@ct.gov</p> </td> </tr> </table> <p><u>IMPORTANT NOTE:</u> Responses to requests for more specific contract information than is contained in this Advertisement shall be limited information that is available to all Firms and that is necessary to complete this QBS process.</p> <p>All requests for more specific contract information must be sent in <u>writing</u> (email acceptable).</p>	<p><i>For Questions Concerning General QBS Submittal Requirements:</i></p> <p>DCS Process Management/QBS Unit: Randy Daigle, Project Manager DCS Process Management/QBS Unit Room 478 165 Capitol Avenue Hartford, Connecticut 06106 Email: randy.daigle@ct.gov</p>	OR	<p><i>For Questions Concerning this Consultant Services Contract:</i></p> <p>DCS Project Management Unit: Thomas Surprenant DCS Project Management Unit Room 460 165 Capitol Avenue Hartford, Connecticut 06106 Email: Thomas.surprenant@ct.gov</p>
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