



November 14, 2018

To: Finance and Administration Committee
From: Darrell E. Johnson, Chief Executive Officer
Subject: Agreement for Datrium Data Center Equipment

Overview

As part of the Orange County Transportation Authority's Fiscal Year 2018-19 budget, the Orange County Transportation Authority's Board of Directors approved expenditures related to hardware and software equipment for the co-location data center. Bids were received in accordance with the Orange County Transportation Authority's procurement procedures for materials and equipment. Board of Directors' approval is requested to execute the agreement.

Recommendation

Authorize the Chief Executive Officer to negotiate and execute Agreement No. C-8-1912 between the Orange County Transportation Authority and Lynbrook Solutions LLC, the lowest responsive, responsible bidder, in the amount of \$882,248, for Datrium data center equipment.

Discussion

The Orange County Transportation Authority's (OCTA) existing data center located at the administrative building in the City of Orange was originally constructed in 1993. While OCTA has periodically updated the compute and storage equipment the past 25 years, the current equipment is at or very near end of life. Staff is now seeking to purchase new computing hardware and software equipment to replace existing equipment that has met its useful life. The newly purchased computing hardware and software equipment will be located at the co-location data center provider's facility in Nevada, which was approved by OCTA's Board of Directors (Board) on June 25, 2018.

OCTA completed an updated Business Impact Analysis (BIA) and Continuity of Operations Plan (COOP) in 2017 that established mission essential functions to be performed or resumed during an emergency or disruptive event. To meet or exceed OCTA's current BIA and COOP requirements, staff is recommending the

purchase of Hyper-Converged Infrastructure (HCI) computing hardware and software equipment, which is the current Information Technology (IT) and Information Systems (IS) industry best practice.

By utilizing HCI equipment, OCTA can realize cost savings in the long term and increase the continuity of operations with features that OCTA's existing computing, memory, and storage hardware do not have, such as system-level redundancy and performance enhancements that decrease support costs in future years.

IS Department's staff conducted market research and discussed with Gartner, Inc., an IT consulting firm contracted with OCTA, the various HCI hardware and software equipment solutions available. Based on OCTA's needs and requirements with regards to functionality, redundancy, flexibility, performance, and cost, staff is seeking to install HCI hardware and software equipment developed by Datrium, Inc. (Datrium) at the new co-location data center facility.

Procurement Approach

This procurement was handled in accordance with OCTA's Board-approved procedures for materials and equipment greater than \$50,000. These procedures, which conform to both federal and state requirements, require that contracts are awarded to the lowest responsive, responsible bidder after a sealed bidding process.

Invitation for Bids 8-1912 was released on September 20, 2018 through OCTA's CAMM NET system. The project was advertised on September 20 and 27, 2018, in a newspaper of general circulation. On October 11, 2018, three bids were received and publicly opened.

All bids were reviewed by staff from both Contracts Administration and Materials Management and IS departments to ensure compliance with the contract terms and conditions, and technical specifications. The list of bidders and bid amounts are presented below:

<u>Firm and Location</u>	<u>Bid Amount</u>
Lynbrook Solutions LLC San Jose, California	\$882,248
Questivity, Inc. Santa Clara, California	\$889,553
Bridge IT Consulting LLC Danville, California	\$917,301

Lynbrook Solitons LLC's bid is approximately 4.6 percent lower than the independent cost estimate of \$922,795 and, therefore, considered to be fair and reasonable.

Fiscal Impact

The project was approved in Orange County Transportation Authority's Fiscal Year 2018-19 Budget, Finance and Administration/Information Systems, Account 1284-9028-A5352-18I, and is funded through local funds.

Summary

Based on the information provided, staff recommends the Board authorize the Chief Executive Officer to execute Agreement No. C-8-1912 between the Orange County Transportation Authority and Lynbrook Solutions LLC, the lowest responsive, responsible bidder, in the amount of \$882,248, for Datrium data center equipment.

Attachment

None.

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