



## LOS ANGELES COUNTY REGISTRAR-RECORDER/COUNTY CLERK

DEAN C. LOGAN

Registrar-Recorder/County Clerk

August 5, 2022

To: Supervisor Holly J. Mitchell, Chair  
Supervisor Hilda L. Solis  
Supervisor Sheila Kuehl  
Supervisor Janice Hahn  
Supervisor Kathryn Barger

From: Dean C. Logan  
Registrar-Recorder/County Clerk

### **NOTIFICATION OF INTENT TO EXECUTE WORK ORDER NUMBER E1-144 UNDER THE ENTERPRISE SERVICES MASTER AGREEMENT (ESMA) FOR REGISTER RECORDER / COUNTY CLERK (RR/CC) - DATA CENTER INFRASTRUCTURE PROJECT**

This is to notify the Board that the Register Recorder/County Clerk (RR/CC) intends to request that the Internal Services Department (ISD) execute Enterprise Services Master Agreement (ESMA) Work Order E1-144 with Impex Technologies, Inc. This work order is estimated at \$850,000 to obtain consultant services to assist the RR/CC in implementing and deploying a test/development infrastructure environment to support Voting Solutions for All People (VSAP). This notification is in accordance with ESMA guidelines that require prior Board notice on work orders exceeding \$300,000.

### **BACKGROUND**

In 2009, the RR/CC initiated a new Voting System to modernize its voting systems infrastructure using an open, transparent, data-driven process that fully engages the public. This was finally completed and fully deployed for first-time use in both the 2020 Primary Election and November 2020 General Election. In addition, RR/CC will continue to conduct elections throughout the years to come and henceforth for all of Los Angeles County.

The RR/CC maintains a high-availability environment which includes network administration and monitoring, storage management, complex operating systems, server administration, network security, and comprehensive backup and restores solutions. The work on the data center infrastructure will be comprised of Cisco equipment, VMware, HP servers, and storage arrays.

There is legacy data center equipment that has reached end-of-life and the migration to a new platform will require a network, storage, and VMware server expertise to design, configure, implement, and migrate to a new server platform.

Elections required the deployment of various air-gapped environments, which, in turn, required deploying election security infrastructures to protect individual election systems air-gapped. This also will protect from both internal and external threats, malware, intrusions, etc. These measures are in support of recommendations from the Department of Homeland Security (DHS) and Cybersecurity and Infrastructure Security Agency that has deemed election systems critical infrastructure.

## **SCOPE OF WORK**

The key objective is to build out a test/development infrastructure environment to support the Ballot Marking Device (BMD/BMG) in Whittier, California and a test/development infrastructure environment for Tally/VSAP Ballot Layout (VBL) located in Downey, CA in support of the VSAP system, continued development, administration and management.

RR/CC is seeking a Contractor to design, implement, validate, migrate/improve, and maintain the operation of:

- Datacenter network and server virtualization and automation services
- Administration, configuration programming, deployment, and support of BMD/BMG network, software, hardware, and maintenance
- Election security systems network administration, configuration, and support

Key project phases comprise of System Implementation, Design, Data Conversion, Integration, Configuration, Security, Unit Testing and Integration Testing, Organizational Change Management Plan, Knowledge Transfer and Training, System Deployment and Rollout, Production Support, Transition Plan, and post-production support.

## **SELECTION PROCESS**

On May 24, 2022, the ESMA Work Order Solicitation E1-144 was released by ISD to eight qualified contractors on ISD's ESMA Category List 4j: Commercial Cloud and DC1 Data Center Services and 4k: Network, Application, Hardware and Systems Services. On July 14, 2022, as a result of a competitive solicitation, ISD received proposals from two (2) vendors: BayInfoTech, LLC and Impex Technologies, Inc. The two (2) proposals were reviewed for responsiveness and compliance with the minimum requirement criteria stated in the solicitation. Impex Technologies, Inc. was determined to be the lowest cost qualified bidder for this solicitation and is recommended for award of this Work Order.

## **JUSTIFICATION**

Currently, RRCC conducts election for all elections jurisdiction countywide. This is an extensive and very sensitive process, requiring testing and staging of the systems that

are used in each election to be wiped and rebuilt prior to every election, which is part of the certification conditions for the environment. In the absence of this needed environment, it has been challenging to effectively do proper testing, especially in cases when there is a parallel election taking place prior to deployment to production. The build out and implementation of a test/development at both VSAP Operation Center and Tally Operation Center would lend the Department to effectively accomplish this critical need. This will provide an environment to check the software installation, application configuration setups, choose the right testing tools that support test planning, and test execution. It also ensures the continuity of test execution as follows:

1. Set up a test environment for regular releases of the project.
2. Create a test environment for hotfix releases.
3. Create solutions to manage server and client environment issues.
4. Finalize test tools for test plan, test design, and execution.
5. Decide tools for debugging and reporting the bugs.
6. Create a document for setting the test environment.

In addition, it would also enhance the certification processes by California Secretary of State (SOS) for every version change to the VSAP system.

### **FINANCIAL IMPACT**

The estimated cost of the ESMA Work Order is \$850,000. The department has \$475,000 of ongoing funds already included within the FY 2022-2023 Adopted Budget. The remaining funding is already requested as part of the supplemental budget request for FY 2022-2023. No additional net County cost is required.

### **NOTIFICATION TIMELINE**

Consistent with ESMA policies and procedures, this is to notify the Board of RRCC's intent to Award ESMA Work Order to assist the department in the implementation of the Countywide Hiring Operations Business Intelligence Dashboards. Unless otherwise instructed by your Board, ISD will proceed with the execution of the Work Order in 10 business days.

Should you have any questions, please contact Daniel Temisanren, Departmental Information Security Officer at (562) 462-2445.

DCL:JG  
AB:dt