



COUNTY OF SONOMA

575 ADMINISTRATION
DRIVE, ROOM 102A
SANTA ROSA, CA 95403

SUMMARY REPORT

Agenda Date: 9/24/2019

To: Board of Supervisors

Department or Agency Name(s): Information Systems Department

Staff Name and Phone Number: John Hartwig 565-6055

Vote Requirement: Majority

Supervisoral District(s): Countywide

Title:

Information Systems Department - Contract with Ispirer Systems for Data Migration Tool Suite

Recommended Actions:

Authorize the Director of the Information Systems Department to execute an agreement with Ispirer Systems LLC, for software migration services for an amount not to exceed \$319,398 for two years from the date of the full execution of this agreement, with two additional one year options to extend in order to allow the Department to convert from Informix, a legacy database to Microsoft SQL Server to ensure that county departments and law enforcement agencies that utilize the Integrated Justice System (IJS) have access to vital applications and data.

Executive Summary:

The Information Systems Department is responsible for providing support and improvement of software essential to meet the needs of county departments and law enforcement agencies that access IJS. IJS is a multi-platform, 24x7, enterprise case and records management system that supports all Justice Partners through a centralized data repository and is used by more than 2000 users spanning 30 Local, State and Federal departments.

Through process automation, the system is designed to:

- Improve public and officer safety
- Reduce labor costs
- Provides for data driven decisions
 - real-time data sharing
 - accurate reporting capabilities

The Information Systems Department has determined it is more cost-effective and efficient to use software tools custom designed by a third party vendor to convert legacy programming code and software systems than for staff to perform this work manually. The County has identified the conversion of Informix to Microsoft SQL Server as a cost-effective and efficient use of resources. The primary benefit is to ensure the long-term stability of IJS allowing the Justice Partners to continue relying on a system customized to their needs today and into the future. Informix is a boutique database encompassing a 3% market share, finding resources with the expertise to support and administer Informix is extremely difficult. Conversely, Microsoft SQL Server is second in overall market share with a correspondingly large population of skilled professionals to support and administer the product.

Discussion:

Since 1984 all County Justice Departments and Agencies have relied on an Integrated Justice System (IJS) custom designed for their needs by the Information Systems Department. As technology evolves this software system is periodically updated to improve functionality and reduce costs through added efficiencies.

Historically this work has been completed by software programmers manually. It is estimated that the planned conversion of the database and roughly 1.2 million lines of programming code would require approximately 15,000 hours of work at a cost of \$2,250,000.

To reduce the time and costs associated with this effort, the Information Systems Department explored options for vendor services which would automate portions of the work. After extensive research, the Information Systems Department found only one vendor, Ispirer, which provides these services and tested the conversion tool using an appropriate sample size. Ispirer offers software tools which will automate much of this effort and reduce workload by 7,500 hours or more and reduce labor expense by \$1,125,000 which will substantially shorten the completion time of this essential work. The county would also save \$70,000 annually in licensing costs as it transitions from Informix to Microsoft SQL Server.

Prior Board Actions:

N/A

FISCAL SUMMARY

Expenditures	FY 19-20 Adopted	FY 20-21 Projected	FY 21-22 Projected
Budgeted Expenses	\$204,699	\$114,699	
Additional Appropriation Requested			
Total Expenditures	\$204,699	\$114,699	
Funding Sources			
General Fund/WA GF			
State/Federal			
Fees/Other			
Use of Fund Balance	\$204,699	\$114,699	
Contingencies			
Total Sources	\$204,699	\$114,699	

Narrative Explanation of Fiscal Impacts:

During the FY 14/15 Budget Hearings the Board approved funding and authorized the department to update IJS to ensure that it retained the ability to exchange information between multiple systems while maintaining data that is central to the Justice Partners. The database conversion of Informix to Microsoft SQL was identified as a required process. The priority for the last couple of few years has been court integration and we are now able to move forward with the conversion

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which will be funded with fund balance from ISD Replacement A with associated budgetary adjustments.

Staffing Impacts:			
Position Title (Payroll)	Monthly Salary Range (A - I Step)	Additions (number)	Deletions (number)

Narrative Explanation of Staffing Impacts (If Required):

N/A

Attachments:

- Attachment 1: Professional Services Agreement
- Attachment 2: Exhibit A Scope of Work
- Attachment 3: Exhibit B Insurance Requirements
- Attachment 4: Exhibit C Renewal Pricing
- Attachment 5: Sole Source Waiver

Related Items “On File” with the Clerk of the Board:

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