



County of El Dorado

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Legislation Text

File #: 14-0741, Version: 1

Information Technologies recommending the Board consider the following:

- 1) Approve perpetual Agreement No. 564-S1411 with SADA Systems, Inc., in an amount not to exceed \$10,000 per year to provide license and support for Google Maps API for Business; and
- 2) Authorize the Purchasing Agent to sign perpetual Agreement No. 564-S1411 between the County of El Dorado and SADA Systems, Inc. for license and support for Google Maps API for Business.

BUDGET SUMMARY:	
Total Estimated Cost.....	\$10,000.00
Budget - Current FY.....	\$10,000.00
Budget - Future FY.....	
New Funding.....	
Savings.....	
Other.....	
Total Funding Available.....	\$10,000.00
Change To Net County Cost.....	-0-

Fiscal Impact/Change to Net County Cost

Funding for this Agreement is included in the Information Technology budget. There is no change to Net County Cost associated with this request.

Background

Google Maps Application Interface (API) for Business facilitates the embedding for customized integrative Google Maps in webpages and the overlaying of custom data on them. This API can help create engaging web and mobile applications using Google's satellite imagery, street view, elevation profiles, driving directions, styled maps, demographics, analytics and an extensive places database. Location based applications can also be built and used via a web browser, mobile devices or custom built applications.

Reason for Recommendation

Replacing legacy image file maps with Google Maps provides more flexibility, functionality and efficiency. For example, instead of needing to replace multiple static maps when a department relocates, we can make quick changes in the API code to show the department's new location. This functionality assists the public in finding our county offices and services easily. This functionality also updates our web-site with current technology that anyone can use from a computer or smart device. Using these kinds of updated tools provides a better user experience and provides more user friendly functionality on our County website.

Information Technologies is currently employing a trial API for the following areas on our web-site www.edcgov.us:

1. Shingle Springs Offices including Child Support Services, Probation, Revenue Recovery, Social Services, Water Agency
2. Long Range Planning

In addition, Information Technologies has met with other departments to determine their interest and possible uses for the API. Some of the departments include:

Agriculture / Weights & Measures:

Google Maps API could be useful to depict Weights & Measures business locations where inspections are performed and possibly Hazardous Material sites.

Air Quality Management District:

Google Maps API could be useful in mapping health risk assessments, source locations, complaint locations, prescriptive burning locations, electric vehicle charging stations, etc.

Assessor:

Google Maps API could be useful in applying their own GIS layers to maps and the Google Street view may help appraisers view properties from their desk.

Transportation:

Google Maps API could be used to depict:

1. County maintained roads and mile posts.
2. Bridge locations and bridge history.
3. Current construction projects and schedules road closures.
4. Drainage structures: locations and types.
5. Signalized intersections and controller data. County survey benchmark data.
6. Approved county Capital Improvement projects: locations and descriptions.

Clerk of the Board Follow Up Actions

Following Board approval, Procurement and Contracts will process Agreement No. 564-S1411 with SADA Systems, Inc. and submit to the Purchasing Agent for signature and distribution.

Contact

Kelly Webb, Interim Director of Information Technologies

Concurrences

County Counsel and Risk Management