# AGENDA REPORT

**TO:** Sabrina B. Landreth
City Administrator

**FROM:** Paul Figueroa
Interim Chief of Police

**SUBJECT:** Forensic Logic Contract Extension

**DATE:** May 27, 2016

| City Administrator Approval | | Date | |
|---|---|---|---|
| Approval | | | 6/16/16 |

## RECOMMENDATION

**Staff Recommends That The City Council Approve A Resolution 1) Authorizing The City Administrator, Or Designee, To Enter Into A One-Year Contract Extension With Forensic Logic, Inc., For The Period Of July 1, 2016 Through June 30, 2017, In An Amount Not To Exceed Two Hundred Twenty Four Thousand Three Hundred Seventy Five Dollars ($224,375.00), For Use Of Their LEAP Network Suite Of Crime Analysis Applications, Licensing, Technical Support, And Consulting Services; And 2) Waiving The City's Advertising / Bidding And Request For Proposals Requirements For The Proposed Purchase.**

## EXECUTIVE SUMMARY

Approval of this resolution will allow OPD to enjoy uninterrupted use of the crime analysis technology firm's unique Law Enforcement Analysis Portal (LEAP) Network data analysis systems through an extension of the Forensic Logic, Inc. (Forensic) contract. The LEAP Network collects data from multiple data sources to analyze trends within an agency and across neighboring agencies. The proposed contract extension would continue the contract for one year, from July 1, 2016 to June 30, 2017. OPD will issue a Request for Proposals/Request for Quotes (RFP/Q) in 2017 to ensure that OPD continues to have access to the most effective, useful, and economical data-analysis tools available. OPD's current record and dispatch systems are outdated and OPD is currently evaluating replacement options through an ongoing RFP/Q process. OPD's data-analysis tools must connect to the record management and dispatch systems – as is the case with the current Forensic systems. Forensic has provided consulting to OPD since 2009; OPD has maintained software and consulting contacts with Forensic since 2012. This data analysis continues to help OPD staff make informed decisions regarding crime analysis and the allocation of limited police resources.

## BACKGROUND AND LEGISLATIVE HISTORY

Crime that occurs each year in Oakland can be analyzed to decipher patterns and help OPD undertake proactive approaches to crime deterrence. Data-driven analysis is one of the hallmarks of modern policing. Police departments need analytic technology to illuminate crime trends and undercover actionable intelligence for particular crime investigations. OPD has in the past used a wide range of software applications to search, analyze, and evaluate crime and

crime deterrence approaches. The use of discrete applications results in an inefficient and cumbersome process for data mining and analysis. The technology and consulting services provided by Forensic have empowered OPD to unify various technologies and create a more consolidated approach to crime analysis. OPD's original contract with Forensic was approved by the City Council in Resolution No. 83819 C.M.S. on April 11, 2012, for July 1, 2012 to June 30, 2014. The contract was extended by Resolution No. 85082 C.M.S on June 12, 2014 for the period of July 1, 2014 through June 30, 2016.

OPD recognizes that the world of software, big data, and data analysis continuously evolves. New tools and methods for analyzing crime trends are evolving with different companies that support the crime analysis industry. OPD wants to have the best analysis tools at the most competitive price to continue making strides in data analysis. Therefore, OPD plans to issue a RFP/Q by early 2017. However, OPD is currently in the middle of a RFP/Q process for the replacement of its aging Law Records Management System (LRMS) and Computer Aided Dispatch (CAD) System. OPD must first implement new versions of this critical data infrastructure before looking to make changes to its crime data analysis portfolio, as this system(s) must connect to the LRMS and CAD systems. Therefore, OPD believes that it is in the City's best interest to extend its contract with Forensic Logic, Inc. while OPD implements these other major technology contracts.

*Leap Network*

Forensic is the sole developer of the Law Enforcement Analysis Portal (LEAP) Network. The network collects data from multiple data sources to analyze trends within an agency and across neighboring agencies. The network receives data from OPD's record management system (RMS), computer-aided dispatch (CAD), as well as Oakland's ShotSpotter gunshot data. The LEAP Network integrates all data into an FBI Criminal Justice Information System (CJIS) compliant data warehouse that utilizes location-specific analysis tools. The LEAP Network, by connecting to multiple sources of relevant data, allows investigators, officers and analysts to utilize mapping, charting, and advanced crime analysis tools. Investigators and officers use the network to track the use of vehicles, weapons and other relevant data. The tools also enable better visualization of the information contained in individual jurisdiction record systems.

The LEAP Network has been adopted by many law enforcement agencies and district attorney's offices in the San Francisco Bay Area. As more agencies participate, OPD will benefit by having access to additional information regarding offenders who commit crimes across multiple jurisdictions. This aggregate data analysis is useful in reducing firearm-related crimes associated with group crime activity which transcends municipal boundaries. The LEAP Network platform has been adopted as a primary information platform by the Federal Bureau of Investigation's San Francisco Field Office on Human Trafficking, Gang and Homicide Taskforces. These taskforces work closely with OPD on investigations related to violent criminal groups in and around Oakland. LEAP has also been adopted as a primary information platform by the U.S. Marshals Service in the Northern California District which collaborates closely with OPD to apprehend violent fugitives. The Bureau of Alcohol Tobacco Firearms and Explosives (ATF) has approved Forensic as a sole source provider of information services associated with their Crime Gun Intelligence program which includes accelerated gun tracing, comprehensive ballistics association analysis and support for enhanced enforcement initiatives focused on apprehending violent criminals.

The Alameda County District Attorney's (ACDA) Office is an enterprise LEAP customer and uses the application in conjunction with the prosecution of cases. LEAP is also used by ACDA to research whether suspected criminals may be connected to crimes in other jurisdictions.

*Analysis and Risk Reduction*

Particular components of the LEAP Network provide specialized analysis tools that help OPD investigators and command staff in a variety of ways:

- LEAP Search: An intuitive search function that provides law enforcement officers on the ground immediate access to data necessary to perform their jobs. LEAP Search is available to every sworn officer and authorized civilians. LEAP Search is only sold as an enterprise agreement and includes all sworn officers as well as civilians (OPD Command Staff will determine which civilian staff should have access to LEAP Search). OPD will likely generate approximately one million individual LEAP Network searches based on current usage.

- LEAP Search (ATF National Integrated Ballistic Information Network [NIBIN] extension): A module of the LEAP Search service that integrates firearm data originating from law enforcement agencies that participate in the ATF NIBIN (such as OPD). This module associates crimes and attributes of crimes linked to the use of the same crime gun. Investigators on the LEAP Network will be automatically notified of crimes and common characteristics of crimes across jurisdictions in which the same crime gun was used in the commission of a crime through the commonality of shell casings collected at crime scenes or those resulting from the test firing of recovered crime guns.

- LEAP Trace: A system that collects information from a variety of OPD information systems. It pre-populates the ATF eTrace (for gun tracing) form, which simplifies the process for authorized OPD users to transmit gun tracing data to the ATF Tracing Center. The standard ATF eTrace form contains nearly 100 fields to be completed manually by submitters. The Forensic Logic eTrace application reduces the manual input to four data entry fields, which saves hundreds of data entry hours. The result is better quality gun tracing and more effective use of OPD staff.

- LEAP Officer Conduct Dashboard: A special module of the LEAP Dashboard that compares officer-citizen encounters by officers across squad, patrol area and agency levels interactively and in real-time. Comparisons of stop data by race, gender, search, and property recovered can be connected to data from body worn camera video clips, officer-resident encounters. The Officer Conduct tool algorithms allow supervisors and commanders the ability to quickly identify outliers and to take appropriate actions. This tool is currently in use by Stanford University professor Jennifer Eberhardt as well as the Office of the Inspector General (OIG). Once findings are published, Forensic will be able to incorporate her analysis into the Officer Conduct Dashboard to enhance system performance

- LEAP Dashboard: A web-based customizable portal that officers, analysts, and command staff use to track the information most important to their work. Information can be displayed visually at a variety of granular levels: geographically (police beat, police

area, or citywide); temporally by year, month, date, day or time of day; by offense type; or by encounter type including call for service, field contact, incident, gunshot location or arrest. Dashboards are used by special units to quickly expose areas of interest and provide a common operating picture across multiple data sources.

- <u>LEAP Analytics:</u> used to create the Weekly Crime Report (WCR) and provide crime analysis capabilities to OPD officers and crime analysts. The system is also used by the OPD Crime Analysis Section for analysis and by OPD Community Resource Officers so that they can provide timely information to the public.

- <u>LEAP Special Projects</u> - Forensic generates CompStat reports each week and uploads those reports to a box.com account for use by OPD personnel. On a monthly basis, OPD requests special Stop Data information extract for use in Stop Data analysis. This is typically an on-demand request that is produced in a timely fashion.

- <u>Integration Services</u> – integrating the OPD Crime Lab Information Management System (LIMS) in order to collect ballistics data originating from the ATF National Integrated Ballistics Information Network (NIBIN); and integrating with body worn video data and meta-data for the purposes of the Officer Conduct Dashboard. Once LEAP has access to the data, they create correlations, or link charts, that associate the incidents across agencies and the attributes of each of those incidents (i.e. witnesses, suspects, vehicles, ect).

## ANALYSIS AND POLICY ALTERNATIVES

*LEAP Network Use in OPD*

OPD personnel have steadily increased their use of various Forensic data analysis tools over the last several years. Tables 1 and 2 below show how more OPD personnel have steadily begun to use the LEAP Network analysis and search tools.

*Table 1: Total OPD Personnel Users of the LEAP Network*

| Year | Number of Users |
|------|-----------------|
| 2014 | 444 |
| 2015 | 595 |
| 2016 (1st quarter) | 651 |

*Table 2: Total Separate LEAP Network Searches Conducted by OPD Personnel*

| Year | Searches Completed | Average searches per month | Average Unique Users per Month | Average Searches per User per Month |
|------|------|------|------|------|
| 2014 | 286,400 | 23,867 | 407 | 59 |
| 2015 | 524,712 | 43,726 | 543 | 81 |
| 2016 (1st quarter) | 178,706 | 59,569 | 634 | 94 |

*Request to Waive Competitive Request for Proposals/Quotes Process (RFP/Q*

A one year contract will allow OPD to continue to rely on Forensic for the numerous crime analysis and risk reduction tools currently provided with the soon-to-expire contract. OPD recognizes that other technologies and systems developed by different organizations may also be useful to OPD. OPD will issue a RFP/Q in early 2017 to ensure that investigators, officers, and crime analysts continue to have access to the most useful forms of data analysis tools. OPD command staff will have better information to assess its future data-analysis needs once a new vendor for its LRMS and CAD replacement systems has been chosen and the technology has been better assessed. However, OPD staff believes that the LEAP Network tools provided by Forensic are helping OPD investigators, officers and analysts effectively focus on current crime reduction efforts.

The City Council is authorized under Oakland Municipal Code sections B and 2.04.050.1.5 to waive the RFP/Q process and the advertising and bidding requirements upon a finding that it is in the City's best interest to do so. OPD currently relies on Forensic's suite of LEAP Network analysis tools for critical data analysis. Therefore, OPD recommends that it is in the City's best interests to waive the RFP/Q process and advertising and bidding requirements for a one year contract with Forensic before the RFP/Q process can be completed.

## FISCAL IMPACT

Table 3 provides the annual cost to OPD for the suite of crime analysis tools that Forensic will provide for OPD use in the one year contract. The prices are based on Forensic's enterprise software licensing and associated technical support.

Forensic's prices will include all technical support, monthly product updates, and product enhancement services to meet OPD's operational needs. Funds for the one-year contract with Forensic are available from the General Purpose Fund (1010), Information Technology Unit Org. (106410), Contract Services Account (54919), Project (0000000), Agency-wide Administrative Program (PS01).

*Table 3: Forensic Logic, Inc. LEAP Network Annual Cost Analysis*

| Product | Cost |
|---|---|
| LEAP Search | $115,500 |
| LEAP Trace | $5,000 |
| LEAP Officer Conduct Dashboard | $19,250 |
| LEAP Dashboard Enterprise | $2,125 |
| LEAP Analytics | $42,500 |
| LEAP Special Projects | $19,000 |
| Integration Services | $21,000 |
| **TOTAL** | **$224,375** |

## PUBLIC OUTREACH / INTEREST

No public outreach was necessary was required for this report and resolution. OPD will coordinate with the Contract Compliance Office on the issuance of a RFP/Q in 2017. Notice of the RFP/Q will be publicly provided.

## COORDINATION

The Controller's Bureau and the Office of the City Attorney were consulted for this report and accompanying resolution.

## SUSTAINABLE OPPORTUNITIES

*Economic*: The City of Oakland can more readily attract economic activity in a safer city. Crime analysis that leads to more effective crime reduction benefits supports Oakland economic activity.

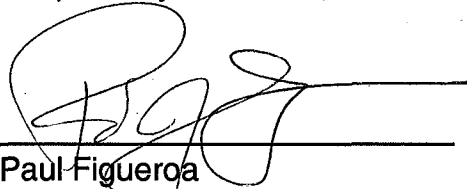*Environmental*: There are no environmental issues associated with this report.

*Social Equity*: All Oakland residents and visitors, regardless of background or access to resources, benefit from better crime analysis that leads to reduced crime levels and greater public safety.

## ACTION REQUESTED OF THE PUBLIC SAFETY COMMITTEE

Staff Recommends That The City Council Approve A Resolution 1) Authorizing The City Administrator, Or Designee, To Enter Into A One-Year Contract Extension With Forensic Logic, Inc., For The Period Of July 1, 2016 Through June 30, 2017, In An Amount Not To Exceed Two Hundred Twenty Four Thousand Three Hundred Seventy Five Dollars ($224,375.00), For Use Of Their LEAP Network Suite Of Crime Analysis Applications, Licensing, Technical Support, And Consulting Services; And 2) Waiving The City's Advertising/ Bidding And Request For Proposal Requirements   For The Proposed Purchases.


For questions regarding this report, please contact Tim Birch, Police Services Manager, at (510) 238-6443.


Respectfully submitted,

Paul Figueroa
Interim Chief of Police
Oakland Police Department


Reviewed by:
Tim Birch, Police Services Manager I
OPD, Office of the Chief, Research and Planning

Prepared by:
Bruce Stoffmacher, Legislation Manager
OPD, Office of the Chief, Research and Planning

# OAKLAND CITY COUNCIL

## RESOLUTION NO._____C.M.S.

Introduced by Councilmember _____

RESOLUTION 1) AUTHORIZING THE CITY ADMINISTRATOR, OR DESIGNEE, TO ENTER INTO A ONE-YEAR CONTRACT EXTENSION WITH FORENSIC LOGIC, INC., FOR THE PERIOD OF JULY 1, 2016 THROUGH JUNE 30, 2017, IN AN AMOUNT NOT TO EXCEED TWO HUNDRED TWENTY FOUR THOUSAND THREE HUNDRED SEVENTY FIVE DOLLARS ($224,375.00), FOR USE OF THEIR LEAP NETWORK SUITE OF CRIME ANALYSIS APPLICATIONS, LICENSING, TECHNICAL SUPPORT, AND CONSULTING SERVICES; AND 2) WAIVING THE CITY'S ADVERTISING/ BIDDING AND REQUEST FOR PROPOSAL REQUIREMENTS FOR THE PROPOSED PURCHASES

**WHEREAS,** the accurate collection of data and the ability to utilize the date across disparate operating platforms is vital in evaluating crimes and crime control operations; and

**WHEREAS,** Forensic Logic, Inc. has been providing consulting and technical services to the City of Oakland since 2009, including but not limited to being the sole developer of the Law Enforcement Analysis Portal (LEAP), used by the Oakland Police Department to connect the local Records Management System (RMS) and Computer Aided Dispatch (CAD) data with a Federal Bureau of Investigation (FBI) and Criminal Justice Information System (CJIS) compliant data warehouse to analyze trends within an agency and across neighboring agencies; and

**WHEREAS,** the Forensic Logic, Inc. LEAP currently allows both investigators and officers to utilize mapping, charting, and advanced crime analysis tools, and also to link to meta data from other police agencies in the LEAP network, providing OPD with access to more informed data analysis; and

**WHEREAS,** the LEAP software application is well utilized by Department personnel, where 650 OPD employees now use the system with approximately 70,000 total monthly searches; and

**WHEREAS,** on April 11, 2012, the City Council approved Resolution No. 83819 C.M.S, which authorized: 1) a two-year contract with Forensic Logic, Inc., in., for the initial purchase of their LEAP Crime Analysis System, in an amount not to exceed $195,000; and 2) the waiving of the City's Request for Proposal/Qualifications (RFP/Q) requirements; and

**WHEREAS**, in June 12, 2014, the City Council approved Resolution No. 83819 C.M.S., which authorized: 1) a two-year contract extension with Forensic Logic, Inc., for the continued use of the LEAP Crime Analysis System, in an amount not to exceed $309,605; and 2) the waiving of the City's RFP/Q requirements; and

**WHEREAS**, $224,375 in funds are available from the General Purpose Fund (1010), Information Technology Unit Org. (106410), Contract Services Account (54919), Project (0000000), Agency-wide Administrative Program (PS01); and

**WHEREAS**, Oakland Municipal Code Section 2.04.020.B requires City Council approval of contracts for technology-related professional products or goods in excess of $50,000, and for technology-related professional services in excess of $15,000; and

**WHEREAS**, Oakland Municipal Code Section 2.04.051 .B. permits the City Council to waive the request for proposal/qualifications (RFP/Q) requirements upon a finding that it is in the best interest of the City to do so; and

**WHEREAS**, staff recommends that it is in the best interests of the City to waive the RFP/Q process because Forensic Logic, Inc. is the sole developer and operator of the LEAP program, which offers a unique form of critical data analysis to OPD; now, therefore, be it

**RESOLVED**: That the city administrator is authorized to extend the contract with Forensic Logic, Inc. for the period July 1, 2016 to June 30, 2017, for use of their LEAP Network suite of crime analysis applications, licensing, technical support, and consulting services; and be it

**FURTHER RESOLVED:** that the contract with Forensic Logic, Inc. will be contingent upon Council adoption of the FY 2016-17 mid-cycle budget such that sufficient funding is maintained in the OPD baseline budget, for a total amount not to exceed two hundred twenty four thousand three hundred seventy five dollars ($224,375.00); and be it

**FURTHER RESOLVED:** That the City Council finds that pursuant to Oakland Municipal Code sections 2.04.051.1.5 and 2.04.05I.B, for the reasons stated above and in the City Administrator's report accompanying this resolution, that it is in the best interests of the City to waive the advertising and bidding requirements and the request for proposal/qualification (RFP/Q) process for the Forensic Logic, Inc. contract extension; and be it

**FURTHER RESOLVED:** That the City Council waives the Local and Small Local Business Enterprise Program (L/SLB) Provisions for the proposed agreement extension with Forensic Logic, Inc.; and be it

**FURTHER RESOLVED:** That the City Administrator or designee is authorized to conduct all negotiations, applications, agreements, extensions and related actions consistent with the purposes of this Resolution, except for increasing the dollar amount, without returning to Council; and be it

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**FURTHER RESOLVED**: That the City Attorney shall review and approve the contract as to form and legality and copies of the contract and any extensions shall be filed with the Office of the City Clerk; and be it

**FURTHER RESOLVED:** That the City Attorney shall review and approve said proposed MOU with OUSD, as to form and legality.


IN COUNCIL, OAKLAND, CALIFORNIA, _____

**PASSED BY THE FOLLOWING VOTE:**

AYES - BROOKS, CAMPBELL-WASHINGTON, GALLO, GUILLEN, KALB, KAPLAN, REID, and PRESIDENT GIBSON MCELHANEY

NOES -

ABSENT -

ABSTENTION -

ATTEST:_____
LaTonda Simmons
City Clerk and Clerk of the Council
of the City of Oakland, California