

**TRANSMITTAL**

To:

**THE COUNCIL**

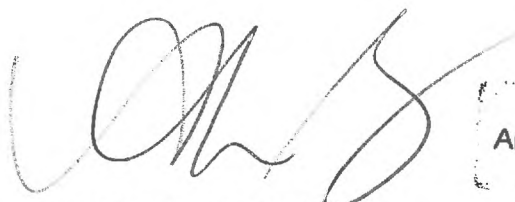
Date:

**OCT 13 2015**

From:

**THE MAYOR**

**TRANSMITTED FOR YOUR CONSIDERATION. PLEASE SEE ATTACHED.**



**ERIC GARCETTI**  
Mayor

Ana Guerrero

# LOS ANGELES POLICE COMMISSION

BOARD OF  
POLICE COMMISSIONERS

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INSPECTOR GENERAL

EXECUTIVE OFFICE  
POLICE ADMINISTRATION BUILDING  
100 WEST FIRST STREET, SUITE 134  
LOS ANGELES, CA 90012-4112

(213) 236-1400 PHONE  
(213) 236-1410 FAX  
(213) 236-1440 TDD

October 6, 2015

BPC #15-0319

The Honorable Eric Garcetti  
Mayor, City of Los Angeles  
City Hall, Room 303  
Los Angeles, California 90012

Attention Mandy Morales

Dear Honorable Mayor:

RE: DONATION OF OPERATIONAL SUPPORT FOR THE CRIME ANALYSIS AND  
MAPPING SYSTEM, VALUED AT \$19,988.00, FROM THE LOS ANGELES POLICE  
COMMISSION, FOR THE BENEFIT OF THE LOS ANGELES POLICE DEPARTMENT

At the regular meeting of the Board of Police Commissioners held Tuesday, October 6, 2015, the Board APPROVED the Department's report relative to the above matter.

The Board requests, subject to your approval, that this matter be forwarded to City Council for their approval.

Respectfully,

BOARD OF POLICE COMMISSIONERS

MARIA SILVA  
Commission Executive Assistant II

Attachment

c: Chief of Police  
ASB

OFFICE OF THE  
RECORDS  
2015 OCT -9 PM 3:52  
CITY OF LOS ANGELES

INTRADEPARTMENTAL CORRESPONDENCE

BPC #15-0319

RECEIVED

36

SEP 30 2015

POLICE COMMISSION

October 1, 2015  
1.10

TO: The Honorable Board of Police Commissioners

FROM: Chief of Police

SUBJECT: APPROVAL OF NON-MONETARY DONATION

RECOMMENDED ACTION

1. That the Board of Police Commissioners APPROVE the Department's Report and TRANSMIT to the Mayor and City Council for ACCEPTANCE the donation of operational support for the Crime Analysis and Mapping System (CAMS) for the Los Angeles Police Department (Department).

<u>DONOR INFORMATION:</u>	<u>ITEMS/AMOUNT:</u>	<u>VALUE:</u>
Los Angeles Police Foundation (#168-15) Ms. Cecilia Glassman, Executive Director 515 South Flower Street, Suite 1680 Los Angeles, California 90071 (213) 489-4636	Operational support	\$19,988.00

DISCUSSION

The donation is for the benefit of the Department and will provide professional services from Environmental Systems Research Institute, Incorporated (ESRI) for assistance with ongoing maintenance and development of CAMS. This system is utilized by the Department Computer Statistics Division (COMPSTAT) Crime Analysis Unit for crime analysis, statistical and mapping visualization. The vendor, ESRI, is the developer of CAMS and best suited for modifying and upgrading the system to supported levels and will enhance the current system to include field interview and traffic citation information.

No expressed or implied commitments or promises were made to the donor or representatives of the donor. The donor will not receive any preferential treatment, endorsement, or recommendation; and the donor is not allowed the use of any Department patents.

Administrative Services Bureau has reviewed the donation and determined that it has been submitted in accordance with Section 5.467 et seq. of the Los Angeles Administrative Code, which provides for the receipt and acceptance of donations to the Department.

The Honorable Board of Police Commissioners

Page 2

1.10

If you have any questions, please contact Sergeant Alora Perna, Commander's Aide,  
Administrative Services Bureau, at (213) 486-7060.

Respectfully,



CHARLIE BECK  
Chief of Police

BOARD OF  
POLICE COMMISSIONERS  
Approved  
Secretary

INTRADEPARTMENTAL CORRESPONDENCE

August 19, 2015  
1.17

RECEIVED

SEP 16 2015 # 168-15

TO: Chief of Police

ASB - Operations

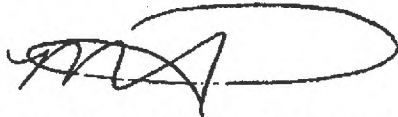
FROM: Commanding Officer, Information Technology Bureau

SUBJECT: LOS ANGELES POLICE FOUNDATION GRANT REQUEST - CRIME ANALYSIS AND MAPPING SYSTEM OPERATIONAL SUPPORT

It is requested that the grant in the amount of \$19,988 to provide Professional Services from Environmental Systems Research Institute, Inc. (ESRI) for assistance with ongoing maintenance and development of the Crime Analysis and Mapping System (CAMS) be approved. Approval of this grant benefits the Department as follows:

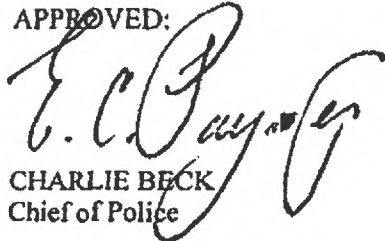
This system is utilized by the LAPD COMPSTAT Crime Analysis Units in support of real-time crime analysis, statistical and mapping visualization for the Department's COMPSTAT management process. This system also provides data interfaces to smart policing and predictive policing applications utilized within the Department. Assistance is needed from ESRI to assist the Department in upgrading the system to supported levels and enhance the current system to include field interview and traffic citation information. ESRI is the developer of CAMS and would be the only vendor knowledgeable in the modification of the source code.

If you have any questions, please contact Information Systems Manager II Kathy Takahata, at (213) 486-0606.



MAGGIE GOODRICH, Chief Information Officer  
Commanding Officer  
Information Technology Bureau

APPROVED:



CHARLIE BECK  
Chief of Police

Attachments

515 S. Flower St., Ste. 1680, Los Angeles, CA 90071  
Phone: (213) 489-4636  
Fax: (213) 489-4697  
tracy@lapolicefoundation.org

**Los Angeles Police  
Foundation**

# Fax

<b>To:</b> ASB	<b>From:</b> Tracy Szepeinski
<b>Fax:</b> 213-485-8125	<b>Pages:</b> 11 (includes Cover)
<b>Phone:</b> 213-485-3277	<b>Date:</b> September 16, 2015
<b>Re:</b> Grant Request #2015-068	<b>CC:</b>

Attached is the latest grant request.

**Grant Application received:** August 27, 2015  
**Grant Received from:** Information Technology Bureau/Application  
Development and Support Division  
**Contact:** Kathy Takahata  
**Phone #:** (213) 486-0606  
**Grant Name:** CAMS Operational Support  
**Grant Amount:** \$19,988

Please e-mail this information to Administrative Services Bureau  
or if you have any questions, please contact us at 213-486-7060.  
Thank you.



2015 GRANT APPLICATION

Grant Number 2015-068 (office use only)

Date: 08/19/15

Amount Requested: \$19,988

Contact Name(s): Kathy Takahata

Department/Unit: LAPD|/ITB/ Application Development and Support Division

Mailing Address: 100 W 1<sup>st</sup> St, Suite 831, Los Angeles, CA 90012

Phone Number: 213-486-0606 Fax Number: 213-486-0236

E-mail Address: G8162@lapd.lacity.org

Name of Program/Equipment requesting funding for: CAMS Operational Support

Provide a brief description and the need for the program/equipment (use additional paper if needed):

Professional Services from Environmental systems Research Institute, Inc. (ESRI) is needed to provide consulting services for assistance with ongoing maintenance and development of the Crime Analysis and Mapping System (CAMS). This system is utilized by the LAPD COMPSTAT Crime Analysis Units in support of near real-time crime analysis, statistical and mapping visualization for the Department's COMPSTAT management process. This system also provides data interfaces to smart policing and predictive policing applications utilized within the Department. Assistance is needed to upgrade the system to supported software and to enhance the current system to include field interview and traffic citation information. ESRI is the developer of CAMS and would be the only vendor knowledgeable in the modification of the source code.

Has this program/equipment previously been requested through the city budget?  YES  NO

If yes, please list the most recent date of submission and the result:

It was requested in the 2015/2016 budget but not funded.

If no, please explain the reason why it was not submitted:

N/A

What objectives will be accomplished if the funding is granted?

Officers can access current crime analysis and suspect information while in the field or during an investigation. The ability to spatially query, analyze, and visualize information provides fast and intuitive means to work smarter. Command staff can use CAMS in COMPSTAT to understand trends, make critical decisions when crime spikes, and collaborate with other law enforcement agencies to put the right people in the right place at the right time. A crime analyst can use sophisticated tools and techniques to provide command staff with knowledge and intuition to support better operational decisions and to address short-term tactical and long-term strategic issues.

How many officers will be impacted with this grant?

6,000

How will the community be impacted by this grant?

Grant funding will assist the Department with the maintenance and support of tools utilized for the near real-time analysis of crime. This will directly impact the community in more focused enforcement of crime.

Describe the short term outcome and long term impact you anticipate within the Department and in the community it serves as result of this grant.

Resolve data integrity issues and update the system to supported levels of software. This will enable the Department to continue its use of this mission critical system in its on-going commitment to keeping our communities safe.

How can the Foundation evaluate success if the funding is granted? (# of people served, objectives reached, surveys, etc.)

Success can be evaluated in the productivity and crime reductions efforts. The Foundation can evaluate the system by receiving a demonstration of the system and attending one of the Department's COMPSTAT meetings to observe the value of this system.

Please list or attach an itemized list for expenses or a quote from equipment manufacturer on vendor's letterhead.

Vendor quote is attached.

Has your commanding officer approved this request?  YES  NO

Name of commanding officer: Maggie Goodrich, Chief Information Officer

Signature of commanding officer: 

For questions, comments, or concerns, contact Tracy Szepeinski at (213) 489-4636 or email [tracy@lapolicefoundation.org](mailto:tracy@lapolicefoundation.org).



# CAMS Operational Support (2015)

**Prepared for:**

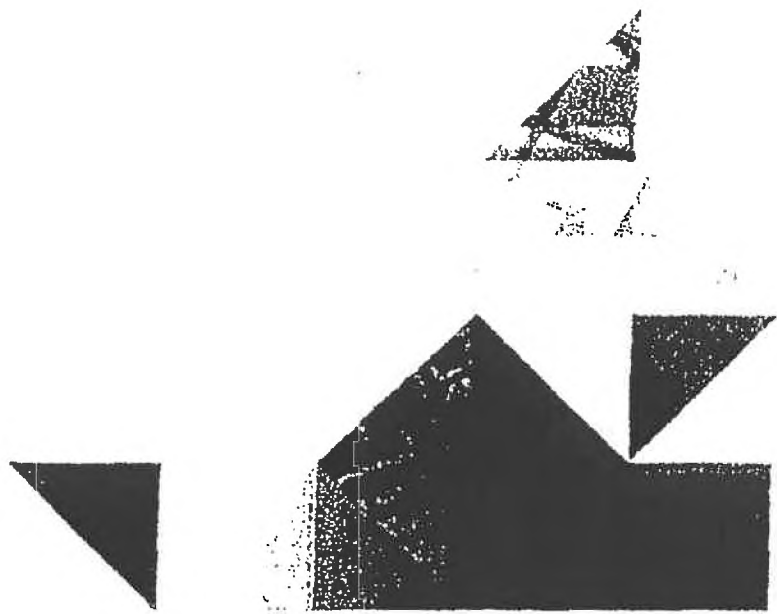
John Neuman, Senior Crime & Intelligence Analyst  
Los Angeles Police Department  
RACR Division  
OIC - Crime Analysis Unit (COMPSTAT / RDU)  
500 E Temple St  
Los Angeles, CA 90012

**August 11, 2015**

**Esri Quote Number: P15-15186**



380 New York Street  
Redlands, California 92373-8100 USA  
T 909 793 2853



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## **Introduction:**

The Los Angeles Police Department (LAPD), COMPSTAT Crime Analysis Unit (COMPSTAT) has requested Environmental Systems Research Institute, Inc. (Esri) Professional Services to provide consulting services for assistance with ongoing maintenance and development of the Crime Analysis and Mapping System (CAMS). Esri will work closely with COMPSTAT and the LAPD Information Technology Division (ITD) on this effort. The quote below describes the scope of services, schedule, pricing, terms and conditions, and purchasing instructions.

## **Scope of Services:**

Esri will provide up to 76 hours of consulting services to assist COMPSTAT and ITD with on-going system support, technical guidance, and CAMS enhancements and application maintenance. Consulting services are envisioned to focus on the following areas: (1) data, (2) query, (3) reporting, and (4) mapping and may include, but are not limited to, database configuration and maintenance, minor CAMS application updates, data loader configuration, troubleshooting and technology transfer.

This activity will be supported remotely from Esri's offices. The Esri consultant(s) will work with direction from LAPD's technical staff and management.

### *Esri Responsibilities*

- Provide up to 76 hours of consulting services as described above.

### *LAPD Responsibilities*

- Communicate consulting needs and priorities to the Esri consultant(s).
- Make appropriate COMPSTAT and ITD personnel available to work with the Esri consultant(s) during all aspect of this engagement.
- Provide facilities for on-site meetings, as required.
- Provide the Esri consultant(s) with the system access privileges needed to conduct this work (as necessary).
- Test application updates in LAPD's environment and provide feedback.

### *Assumptions*

- Pricing assumes all consulting services will be provided remotely from Esri offices in Redlands, CA, but trips on-site to COMPSTAT offices in Los Angeles, CA can be arranged based on available budget.

## **Schedule:**

The schedule will be mutually agreed upon between LAPD and Esri within 10 days after contract award.

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## Pricing:

The pricing provided below has been estimated based upon an anticipated award of a Time-and-Materials (T&M) contract. The required labor hours, including preparation and travel time, and other burdened direct cost items (ODCs) have been estimated based upon prior experience with work of a similar nature. The total not-to-exceed (NTE) price for the quoted Scope of Services is **\$19,988**.

This quote is valid for a period of 90 days from the submittal date above. This price is exclusive of any applicable federal, state and/or local taxes for which LAPD will remain responsible.

Esri anticipates using staff from the GIS System/Software Developer (S2) labor category. Depending on the level of expertise required to perform certain activities during this engagement, Esri may be required to utilize other Esri staff members with a different skill-set and labor category.

The following table shows the proposed NTE pricing for this work by Activity.

**Price by Activity**

Activity Description	Estimated Labor (\$)	Estimated Travel Expenses (\$)	Price
CAMS Operational Support	\$19,988	\$0	\$19,988
<b>Total Not-to-Exceed (NTE) Price:</b>			<b>\$19,988</b>

T&M consulting services will be conducted under the following conditions:

- In the event Esri completes the Scope of Services for less than the NTE budget, LAPD will only be invoiced for the actual hours expended plus ODCs.
- In the event Esri reaches the NTE budget limit before the Scope of Services is completed, LAPD will have the option to either (a) increase the contract funding in order to allow the work to continue; or (b) instruct Esri to stop work. If LAPD chooses to stop work, Esri will do so without liability.
- Esri reserves the right to reallocate the project funding between Scope of Services activities and/or ODCs, as necessary to facilitate the work effort, provided the overall contract price is not exceeded.

All work will be accomplished in accordance with the Scope of Services with the deliverable being consulting time. If additional work is requested by LAPD in writing beyond the scope of this quote, Esri will provide an updated quote. Esri will perform and invoice Services on a time and materials basis using the labor categories and rates specified for the performance period. Labor, including travel time, will be invoiced on a monthly basis for actual hours expended during the previous month. Meals will be invoiced on a "per diem" basis in accordance with the full daily limits stated in the most current Federal Travel Regulations. Other direct costs (ODCs), including travel-related expenses and meal per diem, will include a fifteen percent (15%) burden. Invoices are to be paid within 30 days of receipt.

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## Terms and Conditions:

By purchasing these services, the customer agrees to the **Implementation Services Time and Materials Addendum G-363-C**, which will take precedence over any other terms and/or customer ordering documents. If not attached, the terms and conditions can be found at:

<http://www.esri.com/legal/service-agreements>

## Purchasing:

To order these services as quoted, please email the following items to Ross Wakefield at [rwakefield@esri.com](mailto:rwakefield@esri.com) or fax to (909) 798-2003.

1. Purchase Order:
  - In the amount of the Total NTE Price above
  - Referencing this Quote No. P15-15186, dated August 11, 2015
2. A copy of this quote.

When we receive these completed documents, Esri will contact you to discuss staff assignment and schedule. We look forward to supporting you.

## Contact:

Ross Wakefield  
GIS Consultant/Project Manager  
Esri Professional Services  
380 New York Street  
Redlands, CA 92373  
(909) 793-2853 Ext 7905  
[rwakefield@esri.com](mailto:rwakefield@esri.com)  
[www.esri.com](http://www.esri.com)



## TIME AND MATERIALS RATE SCHEDULE

*Effective January 1, 2015*

Hourly time and materials labor rates have been provided for each labor category for calendar year 2015. The hourly labor rates for services that are performed after 2015 may be escalated in an amount not to exceed five percent (5%) each year. Other direct costs, such as travel, reproduction, subcontractor, telecommunication/freight, or materials, will be charged a material handling fee and invoiced.

### **GIS Technical Specialist/Engineer (S1)**

**Hourly Rate: \$204**

Staff members in this labor category work collaboratively with software designers to perform software coding and the writing of software documentation according to design specifications developed by senior technical staff described below. As a group, these staff members are experienced in the coding of software and the creation of digital databases, as well as in software development associated with Esri's commercial off-the-shelf (COTS) software products; web, desktop, or server software development languages; geospatial data formats; and other technologies. These individuals also develop effective database designs, implement data conversion processes and procedures, and perform software and database quality control.

### **GIS System/Software Developer (S2)**

**Hourly Rate: \$263**

Staff members in this labor category support the design of technical project specifications for the implementation of application software projects and database development projects. They support the day-to-day technical activities of the project team and ensure that standard system methodologies are employed. They also perform detailed software design and detailed database conversion design and are directly involved in the coding and implementation of complex and strategic portions of application software and database conversion projects. As a group, these staff members are proficient in Esri COTS software products; web, desktop, and server software development languages; geospatial data formats; and other technologies. These staff members design and develop QA/QC programs and support design and code reviews, database reviews, and other QA/QC activities throughout the project life cycle.

### **Senior GIS System/Software Architect (S3)**

**Hourly Rate: \$323**

Staff members in this labor category provide the overall technical vision and system architecture for large, complex systems. They support the application of sound software engineering principles and life cycle methodologies to programs/projects. These individuals are actively involved in systems architecture design, application software design, database process design, and the directing of coding development including the supervision of design and code reviews. These staff members may serve as principal investigators in focused studies or research and development projects. Individuals in this labor category have broad technical knowledge of geographic information system (GIS) applications and related information technologies and may also provide specific expertise in areas such as web-based software applications, service-oriented architectures, data warehousing, spatial analysis, and modeling. As a group, these staff members are proficient in Esri COTS software products; software and database design methodologies; web, desktop, and server software development languages; geospatial data formats; and other technologies.

**GIS Consultant/Project Manager (M1)**

**Hourly Rate: \$247**

Staff members in this labor category provide day-to-day consulting and management for contracted projects within Esri. These individuals work under the guidance of senior Esri managers described herein and support the design and implementation of project work plans. These staff members may provide consulting services and design and management support to software application development projects and database conversion projects. They may also conduct detailed requirements interviews, document application requirements, develop logical and physical database designs using standard engineering diagramming methodologies, design software and database QA/QC programs, and provide management oversight of daily technical activities. These staff members work with senior consulting and technical staff to design comprehensive work plans that employ standard system methodologies that define project deliverables, milestones, and realistic schedules. These individuals work with Esri administrative staff to ensure that progress and financial reporting is provided according to contract requirements.

**Senior GIS Consultant/Project Manager (M2)**

**Hourly Rate: \$312**

Staff members in this labor category work as project managers or project advisers, providing strategic consulting and project management activities for GIS and information technology (IT) projects. These staff members have market/application domain expertise using extensive experience in GIS and related geospatial technologies to support the successful completion of a project. Consulting activities may include strategic planning, GIS workshops and seminars development, requirements definition, application and database design, and system integration. Management activities may include defining project requirements and objectives, establishing budgets and schedules, allocating staff and other resources, and managing and overseeing subcontractor activities. These individuals may also design comprehensive work plans that employ standard system methodologies that define project deliverables and milestones and realistic schedules.

**Principal GIS Consultant/Program Manager (M3)**

**Hourly Rate: \$411**

Staff members in this labor category work as program directors or project advisers, providing project vision, strategic consulting, and program management activities for GIS and IT projects. These staff members apply market/application domain expertise using extensive experience in GIS and related geospatial technologies to support the successful completion of the program. Consulting activities may include strategic planning, review and oversight of requirements definitions, application and database design, and system integration. Management activities may include defining program requirements and objectives, establishing budgets and schedules, allocating staff and other resources, and managing and overseeing subcontractor activities. Staff members in this labor category work with senior client staff in coordination with Esri senior management to resolve issues and support successful project completion.

**GIS Database Specialist/Analyst (DB)**

**Hourly Rate: \$172**

Staff members in this labor category provide database development support in creating cartographic and digital data products. These staff members have expertise that includes the performance of hard copy to digital data conversion tasks, data migration, and translation activities utilizing advanced processing techniques in ArcGIS. These individuals design, develop, and implement efficient production tools and workflows in accordance with approved project plans and design parameters.

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