



# *CITY COUNCIL AGENDA REPORT*

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MEETING DATE: MARCH 4, 2014

ITEM NUMBER: \_\_\_\_\_

**SUBJECT: PROFESSIONAL ENGINEERING SERVICES FOR DESIGN OF CITYWIDE SCHOOL ZONE TRAFFIC CALMING PROJECT**

**DATE: FEBRUARY 20, 2014**

**FROM: PUBLIC SERVICES DEPARTMENT - TRANSPORTATION SERVICES DIVISION**

**PRESENTATION BY: ERNESTO MUNOZ, PUBLIC SERVICES DIRECTOR**

**FOR FURTHER INFORMATION CONTACT: RAJA SETHURAMAN, MANAGER, TRANSPORTATION SERVICES DIVISION, (714) 754-5343**

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## **RECOMMENDATION:**

- 1) Award a Professional Services Agreement (Attachment 1) to KOA Corporation, 2141 W. Orangewood Avenue, Suite A, Orange, CA 92868, in the amount of \$63,501.38.
- 2) Authorize the Mayor and the City Clerk to execute the Professional Services Agreement.

## **BACKGROUND:**

In 2011, the City was awarded Federal Safe Route to School (SRTS) funds to implement traffic calming measures in the vicinity of fifteen (15) schools in Costa Mesa. The goal of the project is to improve the safety of pedestrians travelling to and from local schools and traversing arterial routes. The scope of requested engineering services generally consists of preparation of construction improvement plans and specifications, student tally and parent surveys, and preparation of all forms to obtain State and Federal authorization. The project is structured in three phases:

Phase 1: Engineering Design Plans, Specifications, and Estimates

Phase 2: Before and After Student Tally/Parent Surveys

Phase 3: Federal Approval for Construction and Construction Support

The proposed improvements consist of the following:

- Installation of twenty-one (21) radar speed feedback signs
- Installation of ten (10) school flashers
- Installation of two hundred and four (204) pedestrian countdown signal heads
- Striping and signage enhancements

The radar speed feedback signs and school zone flashers will be solar-powered and would incorporate intelligent technology to assure that traffic calming applications are activated during appropriate school times when children are present. The devices will be equipped to collect speed and volume data and establish communication to the Costa Mesa Traffic Operations Center. Light emitting diode (LED) pedestrian countdown heads will be installed at various signalized intersections adjacent to the targeted schools.

Existing striping and signage in the vicinity of the following schools will be reviewed by the consultant and striping and signing enhancement plans shall be developed accordingly:

- Davis Elementary School
- Killybrooke Elementary School
- Mariners Elementary School
- Pomona Elementary School
- Rea Elementary School
- Sonora Elementary School
- Victoria Elementary School
- Whittier Elementary School

Examples of striping and signage enhancements that may be considered are ladder crosswalks, high visibility warning signs, pedestrian yield signs, bus loading zone signs, enhanced pavement legends, or other enhancements as recommended by Consultant and reviewed by City. All traffic calming devices and installations shall conform to latest State of California Department of Transportation (Caltrans) standards and Caltrans Manual of Uniform Traffic Control Devices (CA MUTCD).

### **ANALYSIS:**

In December 2013, the City issued a Request for Proposals (RFP) to several consulting firms for civil engineering design services. One (1) proposal was received to provide the intended engineering services. The proposal was reviewed for compliance with the City's RFP, and the consultant evaluated based on project understanding, depth of experience, technical expertise, and associated factors. After careful review of the proposal, staff finds KOA Corporation well qualified to perform the requested engineering design services. The proposal submitted by KOA Corporation represents a thorough understanding of the project, complies with the project specifications, and documents technical ability and experience with similar projects.

### **ALTERNATIVES CONSIDERED:**

One alternative would be to perform the design work in-house. However, the scope of work and demands of the project exceed staff's resources and time.

A second alternative would be not to undertake this project. However, this will result in significant traffic safety issues to remain at these locations and will also result in relinquishing Federal grant funds captured for this project.

### **FISCAL REVIEW:**

The City of Costa Mesa has secured Federal Safe Route to School funding in the amount of \$90,000 toward the design of improvements for the Citywide School Zone Traffic Calming Project in the vicinity of fifteen (15) schools. The grant amount will fully fund the requested engineering design services. Staff has secured additional Federal SRTS grant funds to implement the improvements designed by this Consultant. Staff will bring a separate request for construction services following the conclusion of this design phase.

### **LEGAL REVIEW:**

The City Attorney's office has prepared the attached Professional Services Agreement and has approved the document relative to form.

### **CONCLUSION:**

After careful review of one (1) proposal submitted for engineering design for the Citywide School Zone Traffic Calming Project, it is recommended that the City Council award the Professional Services Agreement to KOA Corporation.

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ERNESTO MUNOZ  
Public Services Director

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RAJA SETHURAMAN  
Transportation Services Manager

ATTACHMENTS: 1 - [Professional Services Agreement](#)

DISTRIBUTION: Chief Executive Officer  
Assistant Chief Executive Officer  
City Attorney  
City Clerk