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DEPARTMENT OF  
PUBLIC WORKS

CITY OF SACRAMENTO  
CALIFORNIA

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SACRAMENTO, CA  
95814-2702

TECHNICAL SERVICES  
DIVISION

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October 2, 2000

City Council  
Sacramento, California

Honorable Members in Session:

**SUBJECT: APPROVAL OF PLANS AND SPECIFICATIONS, ACCEPTANCE OF BID, CONSTRUCTION CONTRACT AWARD TO LOW BIDDER AND APPROVAL TO SOLE SOURCE PURCHASE OF STREETLIGHT POLES AND FIXTURES FOR SERIES STREETLIGHT REPLACEMENT PROJECT (PN:SK03)**

**LOCATION AND COUNCIL DISTRICT:**

The Series Streetlight Replacement Project is located in Council District No. 4. The project is generally bounded by: Riverside Boulevard to the West, Broadway to the North, Harkness Street to the East, and Perkins Way to the South. (See attached map marked Exhibit "A").

**RECOMMENDATION:**

This report recommends that City Council:

- Approve plans and specifications;
- Accept low bid of M & M Electric in the amount of \$658,317.00;
- Authorize the City Manager to execute a contract for the Series Streetlight Replacement Project; and
- Approve attached resolution to suspend formal competitive bidding (2/3 vote required) and sole source the procurement of streetlight poles and fixtures.

**CONTACT PERSON:** Rick Matsuo, Supervising Engineer, 264-5904

**FOR COUNCIL MEETING OF:** October 10, 2000

**SUMMARY:**

This project involves the refurbishment/replacement of existing cast iron/steel streetlight assemblies and the replacement of the existing deteriorated series circuit streetlight underground infrastructure system.



Bids were received and opened on September 20, 2000 and contract award to M & M Electric is recommended.

This report also recommends that City Council authorize the suspension of formal competitive bidding for the purchase of streetlight poles and fixtures.

**COMMITTEE/COMMISSION ACTION:**

None.

**BACKGROUND INFORMATION:**

The Department of Public Works Streetlight Design Section is considering refurbishment of approximately 450 existing cast iron/steel ornamental decorative streetlight assemblies in addition to the replacement of the existing underground infrastructure system. The eight series circuits comprised of the 450 assemblies have been identified for replacement as part of a multi-phase conversion process from the series to multiple operating system. Records indicate installation of the series streetlight system date back to the 1920's.

Despite the fact that the series streetlight system has lasted for approximately 75 years, safety is of the utmost concern. Due to safety concerns associated with the series circuit system, the existing underground infrastructure has met its useful life and, therefore, is in dire need of replacing the corroded and collapsed conduit as well as broken down conductors. However, a recent survey performed by the Land Park Community Association (LPCA) assessing the exterior condition of the existing 183 streetlight assemblies (identified as Phase I – three circuits) has shown the existing cast iron components to be in very good condition. On the other hand, the heavily rusted 2-ply steel shafts are in very poor condition and must be replaced.

Staff and LPCA have collaborated in evaluating refurbishment/replacement costs compared with complete replacement costs of the streetlight assemblies. To better determine costs, LPCA recently refurbished one streetlight assembly identifying costs of dismantling, removing and disposing of lead-based paint, disposing of non-painted equipment, painting, and final assembling of components. Cost data collected reflect refurbishment costs comparable to purchasing new replacement one-piece aluminum streetlight assemblies. Furthermore, Staff would like to acknowledge the support and teamwork of LPCA recognizing Greg Slocum for his efforts in coordinating the series streetlight pole survey as well as preparing a detailed report regarding costs associated with refurbishing a pole sample performed by LPCA.

Public Works is hereby requesting to sole source for the procurement of cast iron/steel ornamental decorative streetlight replacement components directly from Union Metal Corporation. Union Metal Corporation, original supplier of the existing ornamental decorative streetlight assemblies considered for refurbishment, is the only source for replacement components. Union Metal Corporation has confirmed that all original streetlight components and associated materials can be replicated.

To complete the refurbishment process, new inductive lamp technology manufactured by Philip's will replace the 100-watt High Intensity Discharge (HID) mercury vapor lamp no longer

supported by the City and SMUD. Philip's 85-watt inductive lamp was selected to complement the light color of a mercury vapor lamp and to achieve additional cost savings by lowering energy consumption without reducing light output. We are also requesting to sole source for the procurement of the Philips luminaire including lamp, driver, socket through 1<sup>st</sup> Source Lighting who is the only known source of evaluating, testing, fabricating, and assembling a custom mounting bracket with integral heat sink to house Philip's inductive lamp fixture. This is the only known luminaire that will provide the historic light color and meet energy conservation and heat dissipation requirements.

City procurement of streetlight poles and fixtures will save distributor and contractor mark-up costs and will expedite the construction process.

It is for the above reasons that the Technical Services Division of the Department of Public Works is requesting that City Council suspend formal competitive bidding and authorize the procurement of streetlight poles and fixtures for this project.

Lastly, the streetlight assembly refurbishment process complies with the guidelines set forth by CEQA and the City's Environmental Department.

**FINANCIAL CONSIDERATIONS:**

One budget component of the Citywide Landscaping and Lighting District is a sinking fund to replace or refurbish worn-out streetlights. Approximately \$400,000 is added to the fund each year. The City has now accumulated \$3,200,000 into this fund and we are ready to begin replacement/refurbishment projects. The oldest streetlights with the highest repair history and the most immediate need for safety corrections have been selected as the first project.

A total of \$1,200,000 is available for the replacement of the underground infrastructure and the refurbishment/replacement of 183 streetlight assemblies. Upon completion of the 183 assemblies, the remaining series circuits will be targeted for replacement.

The cost estimate for the streetlight poles and fixtures is in the amount not to exceed \$465,000.

Staff's construction estimate cost for the bid was \$625,000.00. On September 20, 2000, the following bids were received:

<u>Contractor</u>	<u>Bid</u>	<u>ESBD Goal 20%</u>
M & M Electric	\$658,317.00	20.96%
Gray Electric Company	\$731,119.50	100.00%
Richard A. Heaps Electrical	\$1,103,178.00	10.86%

**ENVIRONMENTAL CONSIDERATIONS:**

In accordance with the State Guidelines for implementation of the California Environmental Quality Act (CEQA), the Planning and Building Department, Environmental Services Section, has determined that the Proposed project will not have a significant effect on the environment and is categorically exempt from CEQA pursuant to Section 15301 (d) and Section 15331. The project would restore and rehabilitate the streetlights in a manner that is consistent with the Secretary of the Interior's Standards for the Treatment of Historic Properties.

**POLICY CONSIDERATIONS:**

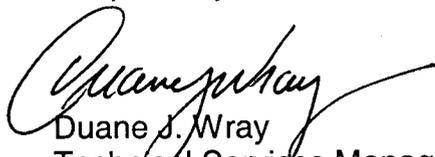
The action requested herein is consistent with Sacramento City Code, Title 3 and the provisions of City Code, Section 3.56.230 (c), which authorizes suspension of formal competitive bidding upon a two-thirds vote of the City Council.

**ESBD CONSIDERATIONS:**

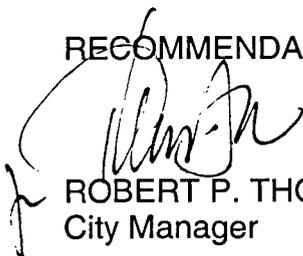
To encourage small and emerging business participation, plans and specifications were sent to 9 plan rooms and construction service organizations for publication. All are directly involved with ESBE construction firms. Staff actively recruited available ESBE firms to participate in the bid process. Project notices were sent to 30 organizations involved in ESBE recruitment. The project was also announced on the Project Information Line and on the City's Internet site at [www.cityofsacramento.org/bids](http://www.cityofsacramento.org/bids). M&M Electric met the ESBD goal.

Union Metal Corporation and 1<sup>st</sup> Source Lighting, suppliers of the poles and fixtures, respectively, are not ESBD certified firms.

Respectfully submitted,

  
Duane J. Wray  
Technical Services Manager

RECOMMENDATION APPROVED:

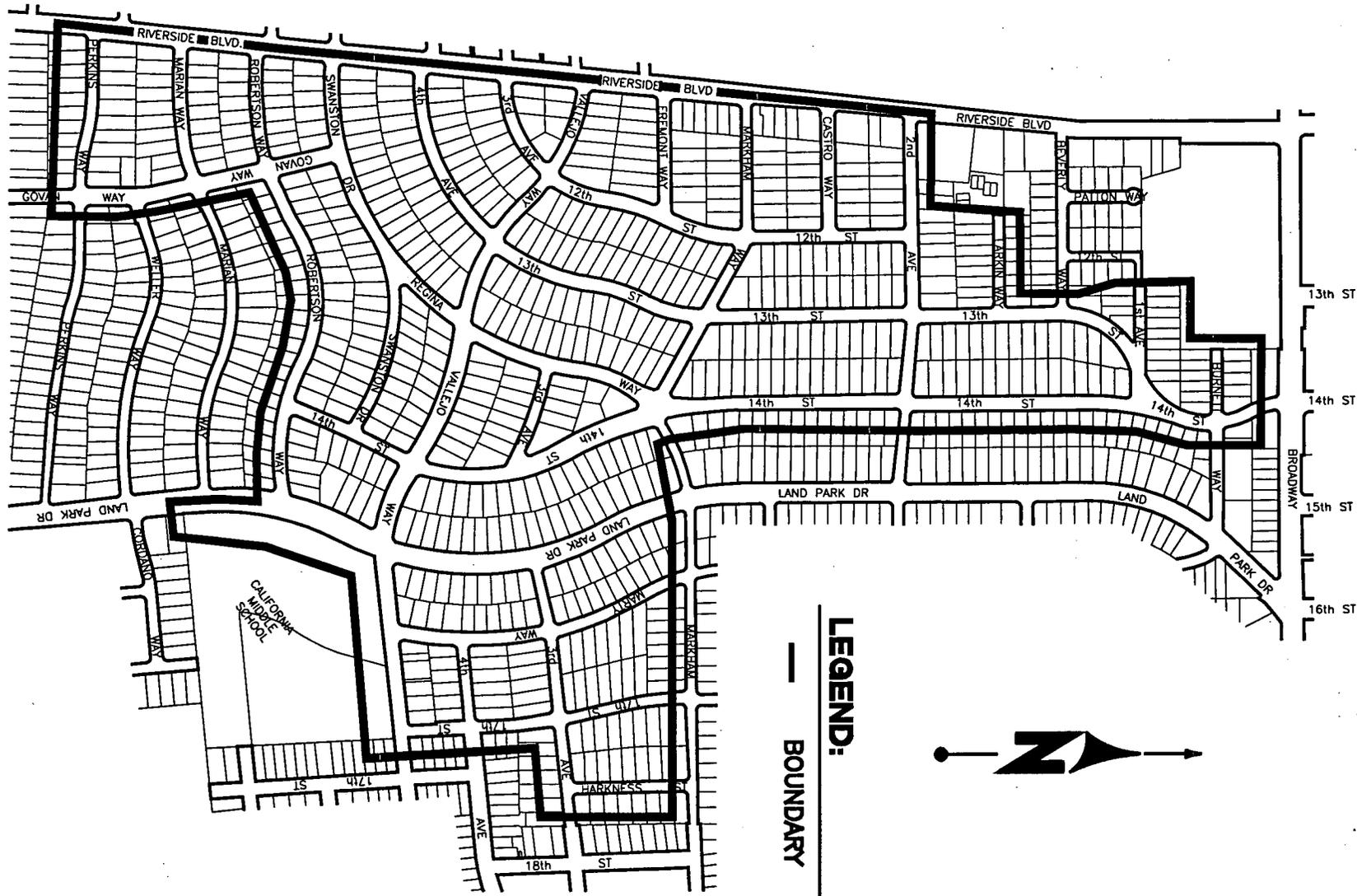
  
ROBERT P. THOMAS  
City Manager

Approved:

  
Michael Kashiwagi  
Director of Public Works

P/Active/SK03 Series Streetlight Replacement/Council Contract Award 10-10-00

# EXHIBIT 'A' SERIES STREETLIGHT REPLACEMENT



LEGEND:

— BOUNDARY



# RESOLUTION NO.

ADOPTED BY THE SACRAMENTO CITY COUNCIL

ON DATE OF \_\_\_\_\_

## RESOLUTION SUSPENDING FORMAL COMPETITIVE BIDDING FOR THE PROCUREMENT OF STREETLIGHT POLES AND FIXTURES FOR THE SERIES STREETLIGHT REPLACEMENT PROJECT (PN:SK03)

### BE IT RESOLVED BY THE COUNCIL OF THE CITY OF SACRAMENTO THAT:

1. It is in the best interest of the City to suspend formal competitive bidding (2/3 vote required) for the procurement of streetlight poles and fixtures for the Series Streetlight Replacement Project (PN:SK03).
  - The original pole provider, Union Metal, is the only source for replacement components.
  - Philips and 1<sup>st</sup> Source Lighting are the only known sources of lamps and fixtures that can meet the requirements for light color, energy conservation and heat dissipation.
2. The City Manager is hereby authorized to execute the necessary purchase from Union Metal Corporation, 1432 Maple Avenue N.E., Canton, Ohio 44705, in a total amount not to exceed \$400,000.
3. The City Manager is hereby authorized to execute the necessary purchase from 1<sup>st</sup> Source Lighting, 1730 Industrial Drive, Auburn, California 95603, in a total amount not to exceed \$65,000.

\_\_\_\_\_  
MAYOR

ATTEST:

\_\_\_\_\_  
CITY CLERK

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### FOR CITY CLERK USE ONLY

RESOLUTION NO. \_\_\_\_\_

DATE ADOPTED: \_\_\_\_\_

