



CITY OF LODI

COUNCIL COMMUNICATION

AGENDA TITLE: Specifications and Advertisement for Bids for High Pressure Sodium Luminaires

MEETING DATE: March 3, 1993

PREPARED BY: Electric Utility Director

RECOMMENDED ACTION: That the City Council approve the specifications and authorize advertisement for bids for the purchase of 155 high pressure sodium luminaires.

BACKGROUND INFORMATION: The Electric Utility Department has issued preliminary work orders to replace mercury vapor lights with the more efficient high pressure sodium luminaires.

Some of the areas where conversions will take place during this fiscal year are

Pioneer Drive/Sonora Drive/Calaveras Street area;
Church Street/Kettleman Lane/Sacramento Street/Schlenker Drive;
Crescent Avenue/Lockeford Street/Sunset Drive/Pine Street area;
Pacific Avenue/W. Oak Street/W. Walnut Street/Wellington Way;
Sunset Drive/Pine Street/Fairmont Avenue/Lodi Avenue area;
West Walnut Street between Ham Lane and Hutchins Street;
Mills Avenue/Vine Street/Downing Drive/Royal Crest Drive area.

A portion of the quantity purchased will be placed in inventory to support routine maintenance and replacement.

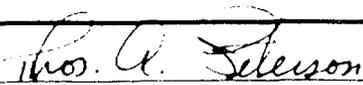
FUNDING: Estimated Cost: \$12,000
Budget Account: Street Light Maintenance

BID OPENING: March 23, 1993


Henry J. Rice, Electric Utility Director

Prepared by Joel Harris, Purchasing Officer

APPROVED



THOMAS A. PETERSON
City Manager



recycled paper

EQUIPMENT SPECIFICATIONS

LUMINAIRES

GENERAL

Luminaires shall be furnished, without lamps or photoelectric control units, in compliance with these specifications. Equipment furnished shall meet the latest revisions of the ANSI Standards.

LUMINAIRES

- A. Ballasts: Ballasts shall be of the regulated type and shall be integral with the luminaires. Ballasts shall have a minimum power factor of 90%; inrush current shall be less than operating current, shall operate at plus or minus 10% rated voltage. Voltage and wattage shall be as specified on proposal form(s). Ballasts shall be of the type recommended for high pressure sodium lamps.
- B. Light Distribution: Luminaires shall have the following Illuminating Engineering Society (IES) light distribution patterns:
 - . Medium
 - . Type III
 - . Semi-Cutoff
- C. Reflector: Reflector shall be removable and highly specular.
- D. Refractor: Acrylic refractor shall be supplied for 100-watt and glass refractor shall be supplied for 250-watt luminaires. Refractor latch shall be vibration proof to prevent accidental opening of the door. Gaskets shall be used to seal the optical assembly at socket entry and between reflector and refractor.
- E. Slip Fitter: Slip fitter shall be adjustable from 1-1/4" through 2" pipe without rearranging of mounting parts, and adjustable plus or minus 5 degrees from horizontal.
- F. Housing: Outer housing shall be cast aluminum, similar in design to American Electric series 113 or General Electric series M2RR and shall be equipped with twist-lock type photoelectric control receptacle. The receptacle shall be adjustable to permit reorientation of the photoelectric control unit.