



CITY OF LODI

COUNCIL COMMUNICATION

AGENDA TITLE: Specifications and Advertisement for Bids for Luminaires for Eastside Alley Lighting Project, Phase 2

MEETING DATE: December 6, 1995

SUBMITTED BY: Electric Utility Director

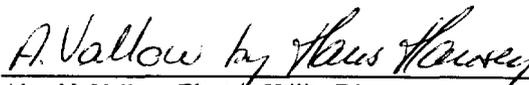
RECOMMENDED ACTION: That the City Council approve the specifications and authorize the advertisement for bids for 116 high pressure sodium luminaires to be installed during Phase 2 of the Eastside Alley Lighting Project.

BACKGROUND INFORMATION: Earlier this year 168 lights were installed in alleys as part of Phase 1 of the project. Phase 2 will continue lighting installations within the block grant target area shown on the attached map.

This bid will include forty-eight 70-watt, and sixty-eight 100-watt luminaires. Lamps will be purchased off the State of California's lamp contract, and installation hardware will be informally bid.

FUNDING: 45.9-503.12 (HUD Eastside Alley Lighting)
Estimated Cost: \$9,500.00

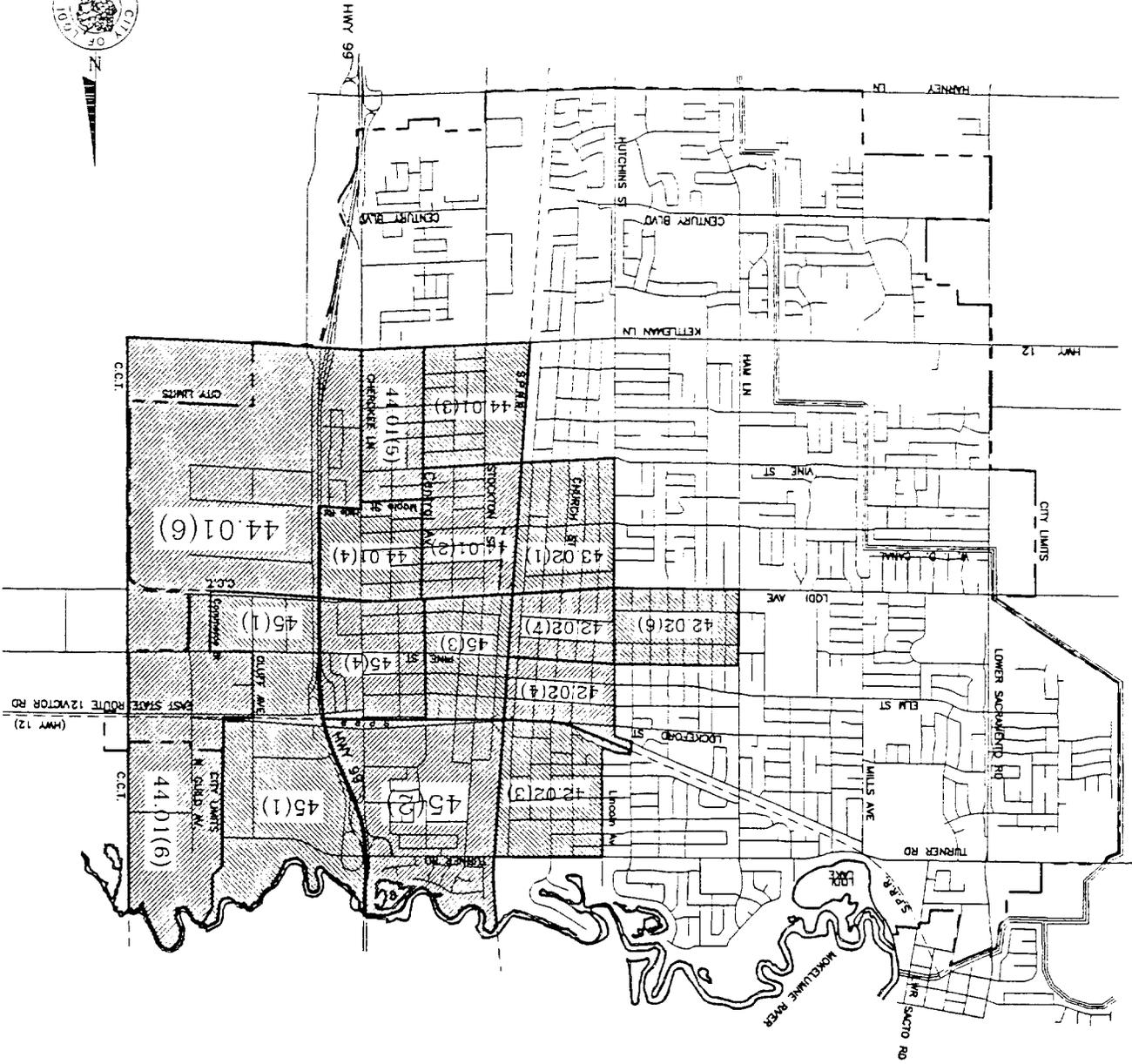
BID OPENING: January 4, 1996


Alan N. Vallow, Electric Utility Director

Prepared by Joel Harris, Purchasing Officer

APPROVED: _____


H. DIXON FLYNN
City Manager



COMMUNITY DEVELOPMENT
DEPARTMENT

COMMUNITY DEVELOPMENT
BLOCK GRANT TARGET AREA;
CENSUS TRACTS/(BLOCK GROUPS)

SPECIFICATIONS
FOR
70 AND 100 WATT HIGH PRESSURE SODIUM (HPS)
CUTOFF LUMINAIRES

1. **General**

- A. It is the intent of these specifications to describe cutoff luminaires of the best design and construction for the service for which they are intended. Consequently, it shall be the City's desire to award the contract to a bidder who has demonstrated high quality by having a considerable number of this type of luminaire in service over a period of years.
- B. The luminaires are to be shipped complete, fully assembled, and individually boxed without photoelectric controls or lamps. Photoelectric controls and lamps are not part of this bid.
- C. Voltage and wattage shall be as specified on the bid proposal form.

2. **Ballasts**

Ballasts shall be high power factor design of the regulated type and shall be integral with the luminaire. Ballasts shall have a minimum power factor of 90 percent over the life of the lamp; inrush current shall be less than operating current; shall operate at plus or minus 10 percent rated voltage. Ballast shall be of the type recommended for high pressure sodium lamps.

3. **Light Distribution**

Luminaires shall have the following Illuminating Engineering Society (IES) light distribution patterns:

- Medium
- Type II
- Cutoff

4. **Reflector**

Reflector shall be removable and highly specular.

5. **Refractor**

Removable Flat Glass Lens. Refractor latch shall be vibration proof to prevent accidental opening of the door. Gaskets shall be used to seal the optical assembly, including but not limited to the socket entry, and between reflector and refractor.

Specifications for
70 & 100W HPS
CUTOFF LUMINAIRES

6. Slip Fitter

Slip fitter shall be adjustable to accept 1-1/4" through 2" outside pipe diameter without rearranging of mounting parts, and adjustable plus or minus 5 degrees from horizontal.

7. Housing

Outer housing shall be cast aluminum and shall be equipped with twist-lock type photoelectric control receptacle. The receptacle shall be adjustable to permit reorientation of the photoelectric control unit. The housing shall be equivalent to units listed in #8 (approved).

8. Approved Manufactures

A. The following cutoff luminaires have been approved for use on the City of Lodi's streetlighting system:

<u>Manufacturer</u>	<u>Style</u>
General Electric Co.	M2RC
American Electric	Series 113/114

B. Luminaires Not Approved at Time of Bidding:

Other manufactures' luminaires may be considered. The low bidder has seven working days from bid opening date to provide one complete sample and technical data for material proposed in bid for evaluation.

Should sample(s) not be received as noted above or the sample is rejected, the next lowest bidder will be considered.

9. Guarantees

The supplier shall repair and/or replace, at no expense to the City of Lodi, any part or parts that may develop defects due to faulty material, workmanship or design within a period of at least one year after the equipment has been accepted by the purchaser.

Bids with extended guarantees, longer than one year, will be considered in the bid evaluation.