



CITY OF LODI

COUNCIL COMMUNICATION

AGENDA TITLE: Specifications and Advertisement for Bids for Power Utility Duct and Fittings for the Electric Utility Department

MEETING DATE: May 20, 1998

SUBMITTED BY: Electric Utility Director

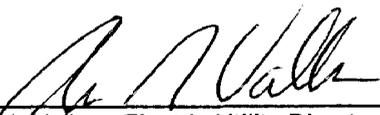
RECOMMENDED ACTION: That the City Council approve the specifications and authorize advertisement for bids for power utility duct and fittings as listed in attached Exhibit A.

BACKGROUND INFORMATION: The Engineering Division of the Electric Utility Department has prepared work orders for installation of electrical service in several new residential subdivisions. Items and quantities that are required for those work orders are detailed in Exhibit A, attached.

Some of the developments where these items will be installed are Bridgetown #3, Millsbridge, and the apartment complex at 2111 West Kettleman. Quantities in excess of the amounts required for these work orders will be placed in inventory for routine maintenance or emergency repairs. Where "Purchase Amounts" are less than "Required Amounts", the balance of the requirement exists in stock.

FUNDING: Electric Utility Department's Operating Fund, Page E-22
Estimated Cost: \$12,500

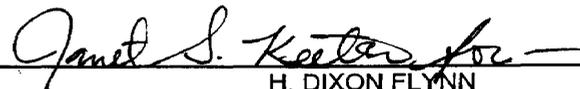
BID OPENING: June 3, 1998


Alan D. Vallow, Electric Utility Director

Prepared by Joel Harris, Purchasing Officer

cc: Director, Engineering and Operations

APPROVED:



H. DIXON FLYNN
City Manager

Conduit and Fittings
 -
 Requirements (Work Orders # 98099, 98148, 98151, and 98158)
 and
 Recommended Purchase Amounts

| Item | Required Amount | Purchase Amount |
|------------------|------------------------|------------------------|
| 2" duct | 12,450 feet | 14,000 feet |
| 2" coupling | 307 | 350 |
| 2" 22½° elbow | 94 | 125 |
| 2" 90° elbow | 161 | 175 |
| | | |
| 3" duct | 5,800 feet | 6,000 feet |
| 3" coupling | 252 | 300 |
| 3" 22½° elbow | 74 | 125 |
| 3" 90° elbow | 86 | 100 |
| | | |
| 4" duct | 1,660 feet | 2,000 feet |
| 4" coupling | 7 | 50 |
| 4" 22½° elbow | 18 | 15 |
| | | |
| 5" duct | 400 feet | 300 feet |
| 5" coupling | 18 | 25 |
| 5" bell end | 8 | 5 |
| 5" 90° elbow | 6 | 10 |
| | | |
| 6" duct | 560 feet | 520 feet |
| | | |
| PVC Cement (Qts) | 65 | 70 |

Estimated Cost: \$12,500

SECTION I - POWER UTILITY DUCT

General:

This specification is for power and communication duct for use in the City of Lodi's 12.0-kv underground distribution system.

Specific Specifications:

Polyvinyl chloride (PVC), direct-buried duct, DB-120.
Lengths, overall, including integral coupling: 20 ft., +1 -0 inch.

Standards:

The duct shall meet the requirements of the latest editions of applicable NEMA TC-6, NEMA TC-8 and ASTM F512.

Shipping:

As required to ensure product integrity and quality upon delivery.

Markings:

All required markings shall be legible and so applied as to remain legible under normal handling and installation practices.

Duct shall be marked with the following:

1. Manufacturer's name or trademark
2. Nominal size
3. Material: (PVC)
4. NEMA (TC-6 or TC-8)
5. Type: DB-60 or DB-120
6. Any additional marking deemed necessary by the manufacturer.

SECTION II - FITTINGS

The following manufacturers and their respective part numbers have been approved and are acceptable for this bid:

| Item Description | Carlton | PWPipe | Cantex |
|---------------------------------------|---------|------------|---------|
| 2" Coupling Schedule 40 PVC Longline | E941J | 60020200 | 6202000 |
| 2" Elbow 22.5°, PVC Sched 40 36" Rad. | UA5FJB | | 5233851 |
| 2" Sweep 90°, DB-60 36" Radius | PF9FJ | 7390360200 | 5123868 |
| 3" Coupling, Schedule 40 PVC Longline | E941L | 60020300 | 6202005 |
| 3" Elbow 22.5°, PVC Sched 40 18" Rad | UA5CLB | 7322180200 | 5233845 |

SECTION II - FITTINGS (continued)

| Item Description | Carlton | PWPipe | Cantex |
|------------------------------------|---------|----------|---------|
| 3" Sweep 90°, DB-60 36" Radius | | | |
| 4" Coupling Sched 40 PVC Longline | E941N | 60020400 | 6202010 |
| 4" Elbow 22.5°, PVC Sch 40 36" Rad | UA5AM | | 5133853 |
| 5" Coupling, Sched 40 PVC Longline | E941P | 60020500 | 6121627 |
| 5" Bell End, PVC Sched 40 | E997P | 61500500 | 5144013 |
| 5" Elbow 90°, PVC Sched 40 | UA9AP | 71900500 | 5133835 |

SECTION III - SUPPLIES

The following manufacturers and their respective part numbers have been approved and are acceptable for this bid:

| Item Description | Carlton | PWPipe | Cantex |
|--------------------------------------|---------|--------|--------|
| PVC Cement, Clear, Quarts, w/ dauber | VC9962 | 821194 | |