

CITY OF LODI

COUNCIL COMMUNICATION

AGENDA TITLE: Approve specifications and authorize advertisement for bids for power utility duct and fittings (EUD)
MEETING DATE: March 6, 2002
PREPARED BY: Electric Utility Director

RECOMMENDED ACTION: That the City Council approve the specifications and authorize advertisement for bids for power utility duct and fittings listed below.

BACKGROUND INFORMATION: The Engineering Division of the Electric Utility Department is preparing or has prepared work orders for installation of electrical service in several new residential subdivisions. Items and quantities expected to be required for those work orders are as follows:

2" Power & Communications (P&C) Duct DB120 Conduit	50,400 feet
2" PVC Schedule 40 Longline Coupling	600 each
2" PVC Schedule 40 22.5-degree Elbow, 36" Radius	200 each
2" P&C DB120 90-degree Elbow, 36" Radius	575 each
2" P&C DB120 45-degree Elbow, 36" Radius	70 each
3" P&C Duct DB120 Conduit	20,000 feet
3" PVC Schedule 40 Longline Coupling	500 each
3" PVC Schedule 40 22.5-degree Elbow, 18" Radius	60 each
3" P&C DB120 90-degree Elbow, 36" Radius	300 each
3" P&C DB120 45-degree Elbow, 36" Radius	25 each
4" P&C Duct DB120 Conduit	1,140 feet
6" P&C Duct DB120 Conduit	3,640 feet
Clear PVC Cement	120 qts

Some of the subdivisions planned for service installation (carried over from 2001) are Century Meadows #1 Unit 2, Century Meadows #4 Unit 2, Tienda Place Units A & B, and the Beck/Perlegos subdivision in Grid 58.

FUNDING: Electric Utility Department's Operating Fund, Page D-37
Estimated Cost: \$56,000

BID OPENING: March 20, 2002



Alan N. Vallow, Electric Utility Director

Prepared by Joel Harris, Purchasing Officer
c Manager, EUD Engineering and Operations

APPROVED: _____

H. Dixon Flynn -- City Manager

POWER UTILITY DUCT & FITTINGS

EQUIPMENT SPECIFICATIONS

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 F-512.

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-8) and ASTM F-512
5. Type: (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	Carlson	PWPipe	Cantex
2" Sweep 90°, DB-120 36" Radius	PH9FJ	8190360200	5125869
2" Elbow 45°,DB-120 36" Radius	PH7FJ	8145360200	5125879
2" Elbow 22.5°, PVC Sched 40 36" Rad. BE	UA5FJB	7522360200	5233851
2" Coupling, PVC Sched 40 Longline	E941J	60020200	6202000
3" Sweep 90°, DB-120 36" Radius	PH9FL	8190360300	5125872
3" Elbow 45°,DB-120 36" Radius	PH7FL	8145360300	5125772
3" Elbow 22.5°, PVC Sched 40 18" Rad BE	UA5CLB	7522180300	5233845
3" Coupling, PVC Sched 40 Longline	E941L	60020300	6202005