

COUNCIL COMMUNICATION

TO:	THE CITY COUNCIL	COUNCIL MEETING DATE	NO.
FROM:	THE CITY MANAGER'S OFFICE	SEPTEMBER 5, 1990	
SUBJECT:	SPECIFICATIONS AND ADVERTISEMENT FOR BIDS FOR THE PURCHASE OF 57 CLASS 3 WOOD UTILITY POLES		

RECOMMENDED ACTION: That the City Council approve the specifications and authorize advertisement for bids for the purchase of 57 Class 3 wood utility poles.

BACKGROUND INFORMATION: Poles in six lengths are included in this bid:

Quantity	Length
20 each	35-foot
5 each	45-foot
20 each	50-foot
10 each	55-foot
1 each	60-foot
1 each	75-foot

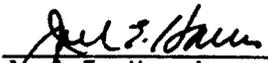
57 total	

These poles will be purchased to support the Electric Utility Department's ongoing maintenance program of replacing damaged or deteriorating poles currently in the system.

The estimated cost of this purchase is \$20,000, with delivery expected about 6 weeks following placement of order.

Funding is available in the Electric Utility Department's operating fund.

The bid opening date has been set for Wednesday, September 19, 1990.



Joel E. Harris,
Purchasing Officer

cc: Utility Director
Assistant Utility Director
Electrical Engineer

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CITY OF LODI ELECTRIC UTILITY DEPARTMENT

SPECIFICATIONS

WOOD UTILITY POLES

1.0 SCOPE

These specifications cover the minimum acceptable quality of full-length wood poles for use in the City of Lodi's overhead distribution and transmission system.

2.0 SPECIFICATIONS

The following specifications shall be met:

- A. Poles and methods of manufacturing shall be in accordance with ANSI Standard 05.1-1979, "Specifications and Dimensions for Wood Poles," or the latest revision thereof, except the spiral grain of any poles shall not exceed one complete twist in any 30 feet.
- B. Poles shall be cut, marked and bored as specified in Section 6.0 of this specification.
- C. Poles that are drilled, other than as specified, (i.e. for better preservative penetration, etc.) will be rejected.

3.0 TREATING REQUIREMENTS

The following requirements shall be met:

- A. Prior to treatment, poles shall be seasoned to a maximum of twenty-five percent (25%) moisture content of the sapwood based upon the oven-dried weight.
- B. Poles shall be Douglas Fir and pressure-treated with pentachlorophenol by Cellon, Dow process in accordance with the requirements of AWWA* Standards C1, "All Timber Products--Preservative Treatment by Pressure Processes," and C4, "Poles--Preservative Treatments by Pressure Processes," or the latest revisions thereof.

*AWPA - American Wood-Preservers' Association

3.0 TREATING REQUIREMENTS (Continued)

- D. Retention shall be not less than **0.45** pounds of pentachlorophenol per cubic foot of wood.

4.0 OTHER SPECIES AND TREATMENTS

Quotations on species other than Douglas Fir and quotations on Douglas Fir treated with pentachlorophenol in a heavy petroleum solution which otherwise meet or exceed the requirements of these specifications will be considered as an alternate.

5.0 HANDLING AND SHIPPING

The following requirements shall be met:

- A. After treatment, the pole surface shall not be damaged by dragging or from the use of cant hooks, peavies, tongs, cables, slings and other tools normally used in pole-handling operations.
- B. Unloading shall be performed only by crane or boom supplied by the trucker/bidder. All shipments will be F.O.B. Lodi, California.

6.0 ADDITIONAL REQUIREMENTS

A. Marking

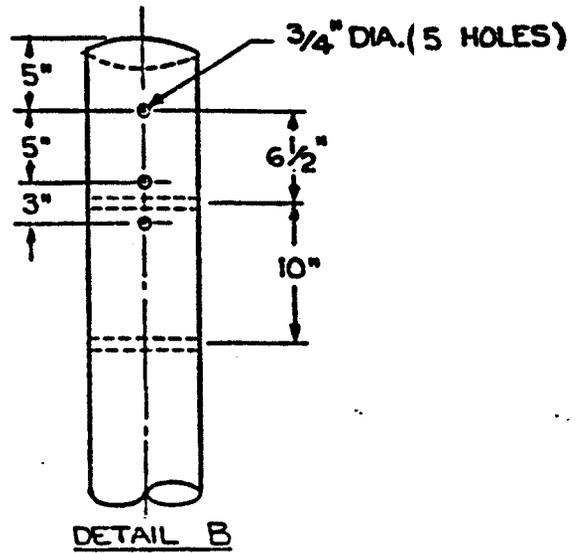
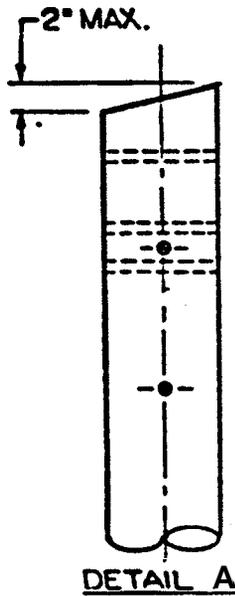
Poles shall be permanently marked on the face and the butt of each pole in accordance with ANSI Standard **05-1-1979**.

Exception: The distance of the pole brands from the butt shall be:

- 10' for 50' pole lengths and below
- 14' for 55' - 75' pole lengths
- 18' for 80' - 100' pole lengths

B. Cutting and Boring

1. Full-length treated poles shall be cut, bored (if required) and marked before treatment.
2. Poles shall be cut so that the butts are approximately square.
3. Poles shall be cut so that the tops have a slope in any direction of not more than two inches (2") over the diameter (refer to Detail A, attached).
4. All 45' and 50' poles shall have holes bored as shown in Detail B, attached.



POLE TOP
BORING REQUIREMENTS
FOR 45' & 50' POLES ONLY



CITY OF LODI
ELECTRIC UTILITY DEPARTMENT

ENGINEERING STANDARD
SPECIFICATIONS
WOOD UTILITY POLES

7/13/89	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	SHEET 54 OF 54
DATE	DRAWN	CHECKED	S. D. COMM. CHAIRMAN	APPROVAL	REVISION 0