

P-82-76
06-14(a)
Amber, District

CITY COUNCIL MEETING

SEPTEMBER 1, 1982

AWARD -
CONTRACT FOR
SEWER INSPEC-
TION AND
RECORDING
EQUIPMENT

Council was apprised that only one bid had been received for the contract for Sewer Inspection and Recording Equipment as follows:

<u>BIDDER</u>	<u>AMOUNT</u>
CUES, Inc.	\$55,570.50

RES. NO.
82-97

Following recommendation of the City Manager, Council adopted Resolution No. 82-97 awarding the contract for Sewer Inspection and Recording Equipment to CUES, Inc. of Sacramento in the amount of \$54,177.50. (Excluding two optional deducts)



CITY OF LODI
PUBLIC WORKS DEPARTMENT

COUNCIL COMMUNICATION

e-172

TO: City Council
FROM: City Manager
DATE: August 30, 1982
SUBJECT: Award Contract for Sewer Inspection and Recording Equipment

RECOMMENDED ACTION: That the City Council award the bid for Sewer Inspection and Recording Equipment to CUES Inc. of Sacramento for the amount of \$54,177.50.

BACKGROUND INFORMATION: The plans and specifications for this equipment were approved by the City Council on August 4, 1982. Bids were opened on Wednesday, August 25, 1982, and the following bid was received:

<u>BIDDER</u>	<u>LOCATION</u>	<u>BID</u>
CUES Incorporated	Sacramento, CA.	\$55,570.50
Engineer's Estimate		\$54,000.00

The bid received included two optional deducts in the amount of \$1393. These deducts include use of 1/8" cable versus 3/8" cable and the elimination of the hand winch and 3/16" water cable repair kit. It is felt it is in the City's best interest to take advantage of these deducts. It is, therefore, recommended that the City Council award the bid in the amount of \$54,177.50.

Attached for Council information, is a memo dated July 26, 1982, again recapping the benefits of this equipment.

Jack L. Ronsko
 Jack L. Ronsko
 Public Works Director

cc: Water/Sewer Supervisor

Attachment

JLR/eeh

APPROVED:

HENRY A. GLAVES, City Manager

FILE NO.

MEMORANDUM, City of Lodi, Public Works Department

TO: City Manager
FROM: Public Works Director
DATE: July 26, 1982
SUBJECT: TV Inspection Equipment

W/12 - 10/20
RECEIVED

JUL 28 1982



CITY OF LODI

PUBLIC WORKS DEPT.



In the 1981-82 Operating Budget, the City approved the expenditure of \$32,050 for the purchase of the black and white TV inspection camera and appurtenances for viewing of the City's new and old sanitary sewer, storm drain and industrial waste lines.

A copy of the supplemental request for this piece of equipment has been attached. At the time the supplemental request was prepared, very few colored cameras were in use by public agencies and most of the colored cameras available could not be used in 6" lines. The inspection of 6" lines is very important to the City of Lodi. Colored cameras for 6" and smaller lines have now been on the market over a year and there are now numerous public agencies within San Joaquin Valley who have both the colored and black and white cameras. The agencies that have had experience with colored cameras, recommend them highly and would never again purchase a black and white.

I have personally viewed the reception in the color and the black and white and based on the problems that we have in our system and the purpose for which we want to use the equipment, I feel very strongly that the City of Lodi should invest in a colored inspection camera. The newer color equipment can now also be used on water wells with very little modification. Some of the major advantages of color over black and white, are as follows:

- Easier to determine the difference between scratches and cracks in underground piping.
- Detection of hydrogen sulfide corrosion is considerably easier and only with color can the actual degree of corrosion be determined.
- Most illegal discharges into the sanitary sewer and storm drain can be determined since most discharges of this type are other than clear water.
- The color camera speeds up the inspection process thereby reducing manhours.

Because of the recent availability of color facilities, it was necessary to spend considerable time re-evaluating this proposal and rewriting specifications. Due to these delays, the purchase was not made during the 1981-82 fiscal year.

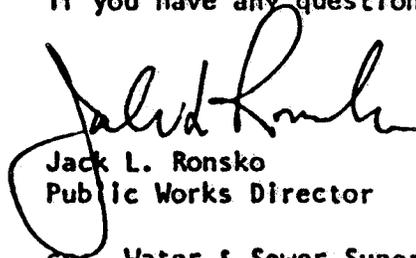
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1-D

City Manager
July 26, 1982
Page 2

The \$32,050 that was budgeted in the 17.2-012.01 account was put back into the Wastewater Capital Reserve Fund since the expenditure was not made during the fiscal year. Presently (82-83) this fund has approximately \$500,000 that can be spent for equipment purchases and plant improvement and expansion. It is estimated that the color facility will cost \$51,000. As pointed out in a supplemental budget request, based on the 81-82 contract work planned in sewers and storm drains, the cost of the black and white facility could be recovered in the first year. The purchase of the colored facility will pay for itself in less than 3 years.

In reviewing this matter with the Finance Director, it was his suggestion that since the item has already been approved, the funds be reallocated this year with the additional dollars needed for color by processing a special allocation. Therefore, we will be forwarding to City Council for approval on August 4, the plans and specifications on a colored unit and once bids are received, a special allocation for the total amount will be processed.

If you have any questions concerning this proposal, please call me.



Jack L. Ronsko
Public Works Director

cc. Water & Sewer Supervisor
Street Supervisor

Attachments

JLR/meq



The following is not part of this request but should be pointed out that at a future date the City may wish to be equipped to perform its own water well TV inspection. This work is presently performed by a well contractor at a cost of about \$800 per well. When a well is taken out of service for repair or a new well drilled inspection should be made. This work could be accomplished with the addition of a smaller second less expensive second camera and a small boom and cable that would be installed on the existing van.

PUBLIC WORKS DEPT.
WATER/SEWER DIVISION

SUPPLEMENTAL BUDGET
REQUEST
1981 - 1982

TELEVISION
INSPECTION EQUIPMENT

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1-D

Fund Code: 17
Account Code: Sewer Fund
Object Code: 508

NEW Item or
Program

REPLACEMENT

Life
Expectancy _____

Cost	\$	<u>30,200</u>
Misc.	\$	_____
Tax	\$	<u>1,850</u>
Trade-in	\$	_____
Total Cost	\$	<u>32,050</u>

JUSTIFICATION:

This item is requested to take the guess work out of the City's sanitary, storm and industrial sewer systems problems and SAVE the City many dollars.

In the five (5) year Capital Improvement Program, we presently have requested funds of \$35,000 to survey 31,000 feet of sanitary sewers and storm drains. The purpose of the survey is to determine the cause of continual and high maintenance problems in 6,200 L.F. and to inspect 25,000 L.F. per year of concrete sewer pipe to evaluate the extent of damage from hydrogen sulfide corrosion. This would allow the City to establish accurately, a repair or replacement program before complete failures occur. It is our intent to inspect about 25,000 feet annually until we have determined the actual condition of our concrete pipe.

Over the past couple years we have repaired and replaced old concrete lines where hydrogen sulfide has corroded the whole pipe and sewage was actually flowing hole in the soil.

With the purchase of this equipment it would also enable the City to TV inspect new subdivision's sanitary and storm systems and detect problems that can be corrected by the contractors prior to acceptance. Defects that would be inspected:

- High and low spots;
- Joint separations;
- Offset joints;
- Chipped ends;
- Cracked or damaged pipe;
- Infiltration points; and
- Debris from construction.

Most of the above items are not detected until after several years of service and at that point, it is the City's responsibility to correct the deficiencies.

In our study of this equipment and discussing the use of it, it was learned that the cities of Stockton, Tracy, Turlock, Modesto and Contra Costa County Sanitation District have eliminated most all problems listed above as it relates to subdivisions by this type of inspection. In addition, it was learned that all these cities charge developers for this inspection through subdivision engineers fees, Lodi could, by revising our fees do likewise. We are one of the few cities that do not TV inspect lines prior to acceptance.

It is proposed to house this equipment in an existing vehicle, truck 32, a 1979 1 ton van which is assigned to the sewer crew, (1000 L.F./day +) and the goal of evaluating our system can be accomplished.

Brochure, picture and/or specifications attached.

F.4
9/1

RESOLUTION NO. 82-97

AWARD - Contract for Sewer Inspection and Recording Equipment

WHEREAS, in answer to notice duly published in accordance with law and the order of this City Council, sealed bids were received and publicly opened by the City Clerk of this City on August 25, 1982 at 11:00 a.m. for the Contract for Sewer Inspection and Recording Equipment as described in the specifications therefor approved by the City Council August 4, 1982.

WHEREAS, only one bid was received, said being as follows:

<u>BIDDER</u>	<u>AMOUNT</u>
CUES, Inc.	\$55,570.50

WHEREAS, it has been determined that the above bid is a reasonable bid; and

WHEREAS, the City Manager recommends that award be made;

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Lodi that award of contract for Sewer Inspection and Recording Equipment be and the same is hereby made to CUES, Inc. the only bidder, in the amount of \$55,570.50.

Dated: September 1, 1982

I hereby certify that Resolution No. 82-97 was passed and adopted by the City Council of the City of Lodi in a regular meeting held September 1, 1982 by the following vote:

- Ayes: Council Members - Pinkerton, Murphy, Snider, Olson and Reid
- Noes: Council Members - None
- Absent: Council Members - None

Alice M. Reimche
ALICE M. REIMCHE
City Clerk