

CITY COUNCIL MEETING
DECEMBER 16, 1987

ALLOCATION OF FUNDS
APPROVED FOR CATHODIC
PROTECTION OF WASTE-
WATER LIFT STATIONS

CC-20
CC-47

The City Council approved an appropriation of \$15,000 from the Wastewater Capital Outlay Reserve for the installation of impressed current cathodic protection on the City's wastewater lift stations.

Council was apprised that, early in the summer of 1987, while on routine inspection, City wastewater maintenance personnel found holes in the steel wall of the Mokelumne Village Wastewater Lift Station. The floor of this station is approximately 25 feet below the ground. A corrosion specialist was called in to evaluate all five of the City's lift stations. Their evaluation indicated that the standard passive corrosion protection installed with the stations (buried magnesium anodes) would not provide long-term protection for the steel structures. Their recommendation was that the City begin a program of installing impressed current cathodic protection devices on the stations, starting with the Mokelumne Village Station.

The requested amount (\$15,000) will provide for a standard design for the stations and installation by City forces at all five locations. The work would be done by City electricians over the next two years.

It was recommended this allocation be approved as a means toward protecting these facilities. The cost to replace a corroded lift station shell would likely be near \$100,000.



CITY OF LODI

PUBLIC WORKS DEPARTMENT

COUNCIL COMMUNICATION

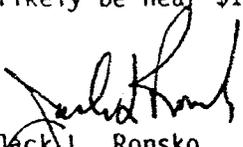
TO: City Council
FROM: City Manager
MEETING DATE: December 16, 1987
AGENDA TITLE: Approve Allocation of Funds for Cathodic Protection of Wastewater Lift Stations

RECOMMENDED ACTION: That the City Council approve the appropriation of \$15,000 from the Wastewater Capital Outlay Reserve for the installation of impressed current cathodic protection on the City's wastewater lift stations.

BACKGROUND INFORMATION: Early in the summer of 1987, while on routine inspection, City wastewater maintenance personnel found holes in the steel wall of the Mokelumne Village Wastewater Lift Station. The floor of this station is approximately 25 feet below the ground. A corrosion specialist was called in to evaluate all five of the City's lift stations. Their evaluation indicated that the standard passive corrosion protection installed with the stations (buried magnesium anodes) would not provide long-term protection for the steel structures. Their recommendation was that the City begin a program of installing impressed current cathodic protection devices on the stations, starting with the Mokelumne Village Station.

The requested amount (\$15,000) will provide for a standard design for the stations and installation by City forces at all five locations. The work would be done by City electricians over the next two years.

It is recommended this allocation be approved as a means toward protecting these facilities. The cost to replace a corroded lift station shell would likely be near \$100,000.


Jack L. Ronsko
Public Works Director

JLR/RCP/ma

Attachment

cc: Water/Wastewater Superintendent

APPROVED:


THOMAS A. PETERSON, City Manager

FILE NO.

CLIFTSTA/TXTW.02M

December 8, 1987



CITY OF LODI

City Manager's Office SPECIAL ALLOCATION REQUEST

TO: Finance Director
City Manager

Date: 11/23/87

FROM: Public Works Director

Account Number: 17.1-400.07

Request is made for funds to accomplish the following which was not included in the current budget:

PROJECT DESCRIPTION & JUSTIFICATION

ESTIMATED COST

Wastewater Lift Station Cathodic Protection

Design	\$ 3,000
Installation	<u>12,000</u>
Total	\$15,000

A corrosion specialist (Villalobus & Associates) recently completed a study on the five wastewater lift stations. The study was done because holes were found in the Mokelumne Village Station. (See Special Allocation dated June 26, 1987.)

The study recommended installation of impressed current cathodic protection devices at four of the five stations and indicated the work could be done on a staged basis (one station per year).

After discussion with the consultant, we recommend an account for the total work be established and the work be done by City forces over the next few years. The consultant will provide plans and a bill of materials for each station. Utility Department electricians will do the work as time permits. The amount should be sufficient to do all five stations as we know the fifth one will need the work eventually.

cc: Water/Wastewater Superintendent
Assistant Electric Utility Director

[Signature]
Department Head

FUND OR ACCOUNT TO BE CHARGED

Current Budget	\$ _____
Contingent Fund	\$ _____
Capital Outlay Reserve	\$ _____
Utility Outlay Reserve	\$ _____

Prior Year Reserve	\$ _____
General Fund Surplus	\$ _____
Reimbursable Account	\$ _____
<u>SEWER UTILITY</u>	_____
<u>CAPITAL OUTLAY</u>	<u>\$ 15,000.</u>
other	_____

APPROVALS

Fund Verification

[Signature]
Finance Director

Approval

[Signature]
 City Manager
 City Council
11/30/87
date

Amount Approved \$ 15,000.

Submit this form in triplicate.