

CITRUS HEIGHTS WATER DISTRICT
BOARD OF DIRECTORS SPECIAL MEETING
August 18, 2011

The Special Meeting of the Board of Directors was called to order at 5:02 p.m. by President Dion and roll was called. Present were:

Joseph M. Dion, President
Allen B. Dains, Vice President
Charles T. Rose, Director
David B. Kane, Assistant General Manager
David M. Rossi, Project Manager
Paul M. Dietrich, Senior Engineering Technician
David M. Gordon, Construction Inspector

VISITORS

None

Director Dion led the Pledge of Allegiance.

PUBLIC COMMENT

None

OLD BUSINESS

2011 Mariposa Avenue 16-Inch Water Main Rehabilitation Project

GM Churchill presented a report on the status of the Mariposa Avenue project, including a proposed alternative method of project construction that will necessitate providing additional project funding and declaring a need to proceed immediately in the interest of public safety.

At the April 26, 2011 Board of Directors Special Meeting, a competitive bid was awarded to Mainlining Service, Inc. (MSI) for the project to rehabilitate the District's 50-year-old 16-inch coal-tar-dipped and wrapped steel water main in Mariposa Avenue from Greenback Lane south to Limerick Way. The scope of work included cleaning and applying cement mortar lining to the interior of the water main and performing other associated water main construction tasks. The bid amount was \$357,565 plus a change order contingency of \$40,000 for a total authorization of \$397,565.

The District initially scheduled this project so that work would be completed prior to the City of Citrus Heights construction of sidewalk improvements along the same portion of Mariposa Avenue as part of their "Safe Routes to School" program. The City has deferred

their project until June 2102.

The initial construction tasks of installing various segments of 6-inch, 8-inch and 12-inch water mains and installing a temporary water supply to keep 26 residential customers in service has been performed successfully. However, the cement mortar lining effort has been unsuccessful despite eight attempts by the contractor beginning on August 2, 2011. Video inspection after the cleaning efforts of the contractor suggests that this pipeline may not have been a worthy candidate for cement mortar lining. The reliability of the lining as a method to significantly extend the life of the facility is doubtful.

Directors were provided with a status report on the costs to date associated with the project as follows:

Estimated Payments to MSI - Paid, Pending & Remaining:	\$191,270
MSI Change Orders:	\$ 27,224
Estimated Material Supplier Claims	<u>\$ 15,000</u>
Total Estimated Cost to Date	\$233,494

District staff and the contractor have evaluated the following three alternatives for restoring water service to these customers:

1. Insert 12-inch fusible PVC through the 16-inch pipe:	\$286,824
2. Insert 10-inch DIP through the 16-inch pipe:	\$312,392
3. Remove the 16-inch pipe and install 12-inch DIP	\$320,857

GM Churchill stated that the preferred and lowest-cost alternative is inserting 12-inch fusible PVC inside of the 16-inch steel pipe. He described how the work would be performed using this alternative. The total estimated cost for the completed project using the preferred alternative is \$520,318. This includes the total estimated cost of work completed to date. The total estimated amount of \$520,318 exceeds the Board's original project authorization by \$122,753. Directors and staff discussed the work performed to date, and the recommended project alternative and cost. It was noted that the recommended action must include a declaration of the need to proceed immediately with the alternative work in the interest of public safety.

It was moved by Director Rose, seconded by Director Dains and carried 3-0 to adopt Resolution 09-2011 approving an alternative method of project construction, providing an additional \$142,435 in project funding bringing the total authorized to \$540,000, and declaring a need to proceed immediately in the interest of public safety.

ADJOURNMENT

There being no other business to come before the Board, the meeting was adjourned at

5:32 p.m.

APPROVED:

Original signed by: Robert A. Churchill
ROBERT A. CHURCHILL
Secretary
Citrus Heights Water District

Original signed by: Joseph M. Dion
JOSEPH M. DION, President
Board of Directors
Citrus Heights Water District