



Staff Report

City of Manhattan Beach

TO: Honorable Mayor Tell and Members of the City Council

THROUGH: David N. Carmany, City Manager

FROM: Jim Arndt, Director of Public Works
 Raul Saenz, Utilities Manager
 Brian Wright, Water Utility Supervisor

DATE: April 3, 2012

SUBJECT: First and Final payment in the net amount of \$18,982.90 to Control Maintenance and Repair, Inc.; Formally Accept the Block 35 Booster Pump Motor Replacement and Electrical Improvement Project as Complete; and Authorize Filing of the Appropriate Notice of Completion and Release Retention in the Amount of \$999.10

RECOMMENDATION:

Staff recommends that the City Council pass a motion to authorize the City Manager to:

- a) Approve the issuance of the first and final payment in the net amount of \$18,982.90 to Control Maintenance and Repair, Inc. for the Block 35 Booster Pump Motor Replacement and Electrical Improvement Project.
- b) Formally accept the Block 35 Booster Pump Motor Replacement and Electrical Improvement Project as complete; and
- c) Authorize filing of the appropriate Notice of Completion and the release of retention in the amount of \$999.10.

FISCAL IMPLICATION:

| Budget | | | |
|---|----------------------|--------------|--------------|
| Block 35 Booster Pump Motor Replacement & Electrical System Improvement Project (501-18-221-6212) | | \$ 23,000.00 | |
| TOTAL BUDGET | | \$ 23,000.00 | |
| Anticipated Expenditures | | | |
| Construction Contract (Control Maintenance and Repair) | | \$19,982.00 | |
| Contingency (10%) | | \$2,000.00 | |
| TOTAL EXPENDITURES | | \$21,982.00 | |
| Progress Payments: Control Maintenance and Repair, Inc. | | | |
| | Net Progress Payment | Retention | <i>Total</i> |
| Construction Contract (Control Maintenance and Repair, Inc.) | | | \$21,982.00 |
| First and Final Payment (Recommended) | | \$18,982.90 | \$999.10 |
| Balance in Contract – Returned to Water Fund Reserve | | | \$2,000.00 |

BACKGROUND:

At the December 20, 2011 meeting, Council awarded a contract to Control Maintenance and Repair, Inc. in the amount of \$19,982.00 and authorized a contingency in the amount of \$2,000.00 for the Block 35 Booster Pump Motor Replacement and Electrical System Improvement Project. Block 35 Booster Station is located near the corner of 6th Street and Rowell Ave. The booster station houses four (4) 75 horse power booster pumps, providing potable water supply and water system pressure, as well as emergency fire protection to the southern portion of the City. The motors for booster pumps #2 and #4 had failed due to dead shorts in the electrical motor windings. It had been determined that the dead shorts were the result of insufficient moisture protection in the motor electrical circuitry and inadequate thermal protection devices in the electrical circuitry of the motor control center. The loss of booster pumps #2 and #4 eliminated the Block 35 Booster Station redundant emergency water boosting capacity. Control Maintenance and Repair, Inc. has replaced booster pump motors #2 and #4 to return the Block 35 Booster Station to full pumping capacity; and performed improvements in electrical circuitry protection, which will reduce the possibility of similar motor failures in the future.

This project involved:

- Installation of new 75 Hp Premium Efficiency Electric Motors at booster pumps #2 and #4
- Installation of new motor moisture displacement heater at booster pump motor #1
- Wiring of booster pump motor thermal protection sensors to the motor control center
- Updated City wiring diagram to reflect new installations and modifications

DISCUSSION:

First and Final Payment

The Contractor has completed the work and is requesting formal acceptance of the work; and first and final payment in the amount of \$18,982.90. A five percent (5%) retention in the amount of \$999.10 would be released upon the expiration of 35 days after recordation of the Notice of Completion with the County Recorder. All work inspected by the Public Works Department has been found to be in conformance with the plans and specifications.

cc: Henry Mitzner, Controller