



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: OCTOBER 16, 2015

ITEM NO: 6

File ID – 15-3239 – C

SUBJECT: CONSTRUCTION OF THE METAL DOOR ASSEMBLY AT THE JOHN W. NORTH WATER TREATMENT PLANT PROJECT– WORK ORDER NO. 1420055 FOR \$115,000

ISSUE:

The issue for Board of Public Utilities consideration is approval of a contract award for the construction of the metal door assembly at the John W. North Water Treatment Plant Project, Bid No. RPU-7340; and approval of a capital expenditure in the amount of \$115,000 for Work Order No. 1420055

RECOMMENDATIONS:

That the Board of Public Utilities:

1. Award a contract for the construction of the metal door assembly at the John W. North Water Treatment Plant Project, Bid No. RPU-7340 to the lowest responsive bidder, Atom Engineering Construction, Inc., of Hemet, California, in the amount of \$89,398; and
2. Approve the capital expenditure of \$115,000 for Work Order No. 1420055, which includes all design, construction, change order contingency, construction management and inspection costs for the metal door assembly at the John W. North Water Treatment Plant Project – Bid No. RPU-7340.

BACKGROUND:

The chlorination room at the John W. North Water Treatment Plant consists of multiple bays where several chemicals are stored and injected into the treatment process of the plant. The chlorine bay is equipped with three chemical pumps, an array of several pipes, and a single 2,500 gallon tank, which stores the chlorine solution. Due to recent cracks in the tank, staff took the tank offline and provided a temporary tank elsewhere at the plant to continue to treat water. The cracked chlorine tank needs to be replaced.

The components in the chlorine bay and chemical room are configured and mounted in a manner leaving limited space to remove the tank through the existing access. In order to replace the tank, staff prepared specifications to construct access directly to the chlorine bay. Staff proposes to construct a set of doors at the chlorine bay, remove portions of the walls, modify the concrete slab to accommodate a new chlorine tank, and retrofit the array of pipes.

This project was advertised by staff on July 23, 2015 and bids were opened on August 19, 2015. As shown on below, Atom Engineering Construction, Inc. from Hemet, California was the only bidder as summarized below:

| Bidder | Company | City, State | Bid Total |
|--------|-------------------------------------|-------------------|-----------|
| 1 | Atom Engineering Construction, Inc. | Hemet, California | \$89,398 |

Engineer's Construction Cost Estimate: \$60,000

Staff evaluated the bid and determined that the proposed amount of \$89,398 from Atom Engineering is reasonable. Only one bid was received due to the specialty nature of the work. The engineer's estimate was low due to underestimating the cost of some of the demolition and retrofitting work.

The project breakdown is as follows:

| Description of breakdown and milestones | |
|---|---|
| Specifications performed by: | RPU Engineering staff |
| Engineering performed by: | Atom Engineering Construction |
| Construction performed by: | Atom Engineering Construction |
| Anticipated start date: | Mid November 2015 |
| Anticipated duration: | 1.5 months |
| Coordination required with: | <ul style="list-style-type: none">• Atom Engineering Construction• RPU/Water |
| Reimbursements: | None |

The Purchasing Services Manager concurs with the recommendations above.

The capital expenditure for Work Order No. 1420055 is estimated to be \$115,000 which includes all design, construction, change order contingency, construction management and inspection, as summarized in the following table:

| Description | Cost | Percent of Total |
|---|------------------|------------------|
| Design | \$ 2,000 | 1.7% |
| Construction | \$89,398 | 77.8% |
| Change Order Contingency | \$ 8,902 | 7.7% |
| City Forces work | \$ 5,000 | 4.3% |
| Construction Management and Engineering Support | \$ 2,700 | 2.3% |
| Inspection | \$ 7,000 | 6.2% |
| Work Order Total | \$115,000 | 100.0% |

FISCAL IMPACT:

Sufficient funds are available in the Public Utilities' Facility Rehabilitation Account No. 6230000-470803.

Prepared by: Todd L. Jorgenson, Public Utilities Interim Assistant General Manager/Water
Approved by: Girish Balachandran, Public Utilities General Manager
Approved by: John A. Russo, City Manager
Approved as to form: Gary G. Geuss, City Attorney
Certifies availability of funds: Laura Chavez-Nomura, Public Utilities Assistant General Manager/Finance

Attachment: Site Map