

## CIP EXPENSE DETAIL

**DATE OF COUNCIL CONSIDERATION:**  
**CONTACT DEPARTMENT(S):**

8/8/13  
Austin Water Utility

**SUBJECT.** Authorize execution of a construction contract with PRUDENT TECHNOLOGIES, INC DBA PRUDENT CONSTRUCTION SERVICE, INC for the Shaw Lane Facility Improvements project in an amount not to exceed \$2,695,658, plus a \$269,566 contingency for a total contract amount not to exceed \$2,965,224.

**CURRENT YEAR IMPACT:**

|                                 |                                |
|---------------------------------|--------------------------------|
| <b>Department:</b>              | <b>Austin Water Utility</b>    |
| Project Name:                   | Shaw Ln Lime Sldg Pit No.2 Dev |
| Fund/Department/Unit:           | 3960 2207 7121                 |
| Funding Source:                 | Commercial Paper               |
| Current Appropriation:          | 4,931,181.00                   |
| Unencumbered Balance:           | 3,060,561.50                   |
| Amount of This Action:          | <u>(2,965,224.00)</u>          |
| Remaining Balance:              | <u>95,337.50</u>               |
| <br>Total Amount of this Action | <br><u><u>2,965,224.00</u></u> |

**ANALYSIS / ADDITIONAL INFORMATION:** The Shaw Lane Facility is a former gravel pit generally located southeast of the intersection of McKinney Falls Parkway and Burleson Road and along the north side of Onion Creek. Currently, the facility is used as three separate pits to dispose of lime sludge after treatment of wastewater from various City water treatment plants. The facility is divided into three sections from east to west along Onion Creek: the east pit, the west pit and the far west pit. Wet lime residuals from water treatment plants are hauled to the site and deposited into the pits. The facility is critical to the operation of Austin Water Utility's sludge handling operations and it is important to make improvements to ensure operations into the next century. This is the only AWU facility of its kind in the local area and is an integral part of Austin City infrastructure. A master plan was developed to identify operational improvements, stormwater handling requirements, and an ultimate closure plan. This project begins implementation of the master plan and will increase the usable life of the facility.

The project improvements include construction of roads, dumping pads, water lines, restoration, and revegetation of the buffer strip along the Critical Water Quality Zone and embankments.

Work at the far west pit includes the excavation of borrow material to construct approximately 1,000 linear feet of levee extension; construction of 1,500 linear feet of asphalt road; construction of a truck wash station; construction of two concrete driveways and two concrete dump pads; extension of 1,500 linear feet of 6-inch waterline; and reestablishment of riparian corridor along the frontage to Onion Creek.

Work at the west pit includes the installation of 1,050 linear feet of 24-inch storm drain pipe with three manholes and one outfall to the east pit; and construction of 1,440 linear feet of 80-foot wide conveyance channel.

Alternate bid item # 1 provides for the adjustment of the construction schedule to restrict construction work or access on a portion of the far west pit that is occupied by a neighboring private business. This alternate covers all costs associated with schedule and /or sequence changes resulting from having access restricted for a portion of the project site.

Due to the potential for unknown subsurface conditions and/or potential conflicts, a 10% contingency has been included to allow for the expeditious processing of any change orders.

The contract allows 395 calendar days for completion of this project. This project is located in zip code 78744 and is managed by the Public Works Department.