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Seal Rock Water District

General Manager's Report:
 Board Meeting April 14, 2016 Propagation

This report is an executive summary provided with this Board agenda to Commissioners with recommended actions if any. Detailed information, staff reports, and supporting materials are provided within the full agenda packet.

• PHASE-3 RD-USDA FUNDED IMPROVEMENTS:

The Phase 3 Water System Improvements Project construction has been ongoing throughout March/April, on Schedule 1 and Schedule 2 tasks. As noted last month, weather has caused some delay.

Work has occurred at multiple locations throughout the month, with Horizontal Directional Drilling (HDD) continuing from January to resolve the challenges encountered at the crossing on Line Street, between Art and Grebe. A large secondary pit had been excavated to assist in the process and later backfilled after the HDPE had been located and connected. HDD has also been performed at Grandview towards the receiving pit at Grand Avenue. A new southern alignment was cut along Cross Street, followed by excavation and waterline installation. Schedule 1 work also included the installation of new water services, concrete anchor walls, fire hydrants with concrete bases and the reconnection of existing services.

Schedule 2 work occurred at multiple locations throughout the month, with the focus on the jack and bore activities at Huckleberry Lane and Hwy 101. The Engineer provided a new detail to resolve connection challenges due to proximity of the existing line to Highway 101 at Huckleberry. A recurring discussion item with the Contractor has been their contractual responsibility to pothole existing waterlines prior to construction, to confirm existing location and depth.

The work in all areas has required coordination and communication with residents. The contractor performed clean-up efforts in an attempt to reduce impact on the residents.

Update on Engineering Budget Status:

The table below summarizes the project budget to date. The table indicates the original budget (Total Contract Amount) for each task and the sum total equaling \$882,784.00. As shown, the Total Billed amount is \$606,484.35, or around 69% of the overall budget. So far, we are on budget for this project and we will continue to keep the Board informed on the budget as we move forward with the project. We are closely monitoring Construction Management and Construction Observation tasks, as they were not adjusted when the construction contract was doubled during the bidding process. The contractor is slightly behind schedule, but may still deliver the project close to the original duration.

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Project: Seal Rock: Phase 3 Water System Improvements

| Phase Description | Total Contract Amount | Total Hours Worked | Total Billed | % Complete | Contract Remaining |
|---|-----------------------|--------------------|----------------------|------------|----------------------|
| 1.0 Project Management and Administration | \$ 56,120.00 | 262.7 | \$ 32,481.90 | 58% | \$ 23,638.10 |
| 2.0 Data Acquisition and Surveying Services | \$ 47,016.00 | 255.25 | \$ 47,106.00 | 100% | \$ (90.00) |
| 3.0 Environmental Reporting and Regulatory | \$ 147,912.00 | 795.45 | \$ 147,912.00 | 100% | \$ - |
| 4.0 Design Services | \$ 203,616.00 | 1786 | \$ 201,893.60 | 99% | \$ 1,722.40 |
| 5.0 Contract Documents Services | \$ 52,488.00 | 495 | \$ 52,488.00 | 100% | \$ - |
| 6.0 Bid Phase Services | \$ 32,592.00 | 321.9 | \$ 32,027.35 | 98% | \$ 564.65 |
| 7.0 Construction Management Services | \$ 135,760.00 | 609.75 | \$ 51,966.00 | 38% | \$ 83,794.00 |
| 8.0 Construction Observation/Inspection | \$ 99,244.00 | 320.1 | \$ 32,538.70 | 33% | \$ 66,705.30 |
| 9.0 Project Closeout Services | \$ 43,616.00 | 0 | \$ - | 0% | \$ 43,616.00 |
| 10.0 Specialty Engineering Support | \$ 48,420.00 | 51.5 | \$ 5,305.50 | 11% | \$ 43,114.50 |
| 11.0 Reimbursables | \$ 16,000.00 | 1.5 | \$ 2,765.30 | 17% | \$ 13,234.70 |
| Total: | \$ 882,784.00 | 4,899.15 | \$ 606,484.35 | 69% | \$ 276,299.65 |

- OCEANIA DRIVE AND 143RD STREET EMERGENCY REPAIRS:**

There is an increased public safety concern regarding blowing and drifting sand that continues to plague many property owners in the South Bayshore community, most notably along Oceania Drive. Right-of-ways along Bayshore roads are designated areas used for above ground and underground infrastructure, to include water pipes that supply water to homes and fire hydrants. The added weight of excess sand dumped in these areas, increased by heavy rainfall, has caused pipes to break and homes to flood as a result. Excess sand has blocked access to some hydrants and completely buried others, rendering them inaccessible.

In early February of this year the District experienced a significant break and service disruption in the water distribution system at the intersection of Oceania Drive and Beachview Drive. This was one of several breaks the District has responded to in the last two years. This break significantly reduced pressure and water supply for the entire system serving the Spit Community as District Crews worked several hours to complete repairs. After exposing the pipe and evaluating conditions it was apparent the pipe failed due to excessive weight of sand over the water-main. The pipe in this area is covered with over 20-feet of sand. The age and type of pipe in this area cannot continue to support existing conditions.

Staff believes that conditions affecting the Distribution systems on Oceania Drive and 143rd Street qualify as emergency repair as both areas have the potential to subject respective communities to water outages for an indeterminate amount of time. This includes being without effective fire flows. During this time drinking water will only be available from designated fill stations located outside the affected areas. Staff has responded to 6-system failures on 143rd Street in the past 12-months.

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Potential Public Safety Impacts include:

- Excessive weight of sand has damaged water distribution system components, leaving residents without water or reduced water pressure for prolonged periods of time, this includes reduced fire flows.
- Placement of sand in the Public Right-of-Way limits access to the District's System by operations personnel needing to perform routine and emergency maintenance.
- Increased delay in responding to emergency or routine maintenance efforts.
- Longer than usual service disruption to residents and the possibility for multiple line failures exist, which has the potential for leaving the Spit Community without water service for weeks.
- Reduced level of response by Public Safety (police/fire/ambulance) units in the event of an emergency.

SRWD Staff are working closely with Bayshore Homeowner's Association, Bayshore Road District, and Lincoln County to strongly encourage property owners, real-estate agents, and vacation rental agencies to work cooperatively with their neighbors and Lincoln County to establish a permanent solution that eliminates the need to place sand in the public right-of-way. The responsibility for establishing a plan for the ongoing removal of sand within this area rests on the affected property owners. While a one-time solution for removing sand exists now which will allow the District to benefit by replacing the line on Oceania Drive; long term solutions are needed. There is a mechanism established by the Oregon Legislature that can provide the needed solution that allows for the safe removal of sand from the public right-of-way. Property owners and residents living in this area must take appropriate steps to establish long term solutions that will effectively reduce public safety concerns identified in this staff report.

While the District Board of Commissioners approved funding for emergency repairs on March 23, 2016, District staff learned after the meeting that potential funding existed through USDA. As such, District staff is working with representatives from USDA-RD to establish grant funding through USDA's Emergency Community Water Assistance Grant (ECWAG) program. If approved, this program will provide up to \$150,000 in funding towards the emergency replacement of pipeline on Oceania Drive only. Application and supplemental information has been submitted to USDA for consideration.

- **OTHER NOTABLE ACTIVATES FOR THE MONTHS OF MARCH/APRIL INCLUDE:**

- Attended source water meeting to discuss Water Right permit application.
- Attended weekly meetings with engineers and contractor to discuss Phase-3 project status.
- Facilitated District personnel staff/safety meeting.
- Attended Leadership Lincoln Monthly leadership event.

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- Provided support information and attended community meetings in support of the Bayshore Homeowners Association sand removal effort with LC Officials.
- Attended SRWD Emergency Board Meeting on March 23, 2016
- Attended staff budget meeting in preparation for the 2016/2017 budget process.
- Hosted the annual SRWD/Toledo annual water agreement meeting.
- Met with engineers from Pioneer to discuss service level impacts at pump stations.
- Attending phone conference with representatives from USDA-RD to discuss ECWAG grant program opportunities.
- Attended meeting with water rights specialist to discuss next steps with regard to the District's application on Beaver Creek.
- Attended Kick-off meeting with consultants from CH2M to discuss project scope for intake and treatment plant.
- Met with reporter from Newport News-Times regarding Bayshore Sand issue.
- Responded to multiple requests from customers regarding Bayshore, Oceania Drive Emergency Improvements.

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