Ivins City Staff Report
City Council Meeting 5/17/18

Agenda Item: Discuss and approve additional expenditures for Fire Lake Park at Ivins Reservoir

Submitted by: Charles Gillette, P.E., Public Works Director/City Engineer

Recommended City Council Action:
Approve expenditure of $75,000 for additional items at Fire Lake Park at Ivins Reservoir

BACKGROUND:
Approval History:

Date	Amount	Description
2/15/2018	$315,000	Underground utilities and earthwork around access roadway, parking lot and surrounds.
3/15/2018	$155,000	Asphalt and concrete work for access road, parking lot, and surrounds.
5/3/2018	$87,000	Removal of and replacement of soil on the peninsula.
Total approved:	$557,000	

The project is proceeding as fast as possible, but unfortunately, it appears that trying to open the park before Memorial Day weekend is not feasible. We were unable to move the dirt off of the peninsula because the there was too much conflict with the other construction work that also needed to be completed.

FINDINGS AND ANALYSIS:
It is needed to approve the following additional expenditures:

- Spillway work: The WCWCD has received bids to modify the spillway matching our current plans for the reservoir. The work was to completed with other work that was needed on the embankment to fix leakage on the east side of the dam, however, the received bid for the work was twice the engineer's estimate and so they are negotiating with their low bid contractor, PCI, to reduce the cost. To help us get the spillway work completed at a reasonable time frame for us they have agreed to let us contract with PCI to complete the work using the bid that they received of $27,951.36.
- Additional Spillway Work: In the construction of the parking lot it was surprisingly discovered that the spillway was embedded in sand and not clays. Water has been seeping out of the recreation pond underground and saturating the soils in the new parking lot area. This is a cause of concern for the new parking lot. It is important that we cutoff this seepage while we have the opportunity now, to save the parking lot and to save water. The estimate to remove sandy soil on the pond side of the spillway and replace it with clays is approximately $1500. However, staff is negotiating with PCI to consider completely removing the spillway and installing a new concrete spillway cutoff wall altogether if it is a cheaper option.
- Concrete Privacy Wall (317 lineal feet) for Parking Lot: This expense has been planned but not yet authorized by City Council. Ivins City will use the same contractor that constructed the retaining wall so that the walls match which was bid out at a reasonable price of $65 per foot for a total estimated cost of $20,605.00.
- Retaining Wall (50 lineal feet) behind Restrooms: The new restroom location which has been excavated needs a retaining wall. Again, using the same price as before of $65 per lineal feet the estimated cost is $3,250.00.

- Replacement sand: Ivins City need to import more sand for the expanded beach on the pond and a new beach planned for the east side of the peninsula. It is estimated that 600 cy of sand is needed. The Gunlock grey sand costs $10.40 per cubic yard and another $10 per cubic yard to haul and place. Estimated cost: $12,000.
- Miscellanous Items: There are few miscellaneous items that must be accounted for such as removal of the existing concrete boat ramp and installing a tracking pad for the dirt that is being removed from the peninsula. There is also striping of the parking lot, The cost is estimated at $1,200.

The total price of these items is approximately $67,000. Adding a $8,000 contingency for a total approval of $75,000.

There will still will be more approvals needed as the work shifts from the parking lot to the peninsula to finish the park. The only items approved for the peninsula is the earthwork.

SUPPORT MATERIALS:
None

FINANCIAL IMPACT:
4940699: $75,000

Respectfully Submitted:

Charles Gillette, P.E., Public Works Director/City Engineer

Content Review:

Dale Coulam, City Manager