Ivins City Staff Report
City Council Meeting 3/5/2014

Agenda Item: Approve expenditures for construction of Taviawk pump station upgrades

Submitted by: Charles R. Gillette, P.E., City Engineer

Recommended City Council Action:
Approve expenditures not to exceed $85,000 for construction of Taviawk pump station upgrades

BACKGROUND:
As the Council is aware, Alpha Engineering has been working on the design for the Taviawk Pump Station located in the Taviawk subdivision which delivers water to the upper tank. The Taviawk Pump Station needs to be upgraded before water demands start to rise. The pumps have been ordered per approval by City Council on January 15th.

FINDINGS AND ANALYSIS:
Ivins received four bids ranging from $69,162.00 to $121,865. The low bid was submitted by Desert Hills Construction. The project costs were higher than estimates and a meeting was scheduled with the contractor to determine if there were any ways to reduce costs. After the meeting, it was determined that the materials themselves were substantially high and therefore the low bid appear to be justified.

The retaining wall costs will be removed from the bid and a local wall contractor that can construct the wall at a lower price will be used instead. In addition, the City must replace the single phase transformer with a three phase transformer. A contingency is necessary for unforeseen problems that might occur during the construction process. The total request is estimated as follows:

Construction Contract with Desert Hills Constr.:	$ 67,160
Rocky Mountain Power Three Phase Service Upgrade:	$ 10,000
Retaining Wall Construction:	$ 1,500
Contingency:	$ 6,340
Total Expenditure Request:	$ 85,000

SUPPORT MATERIALS:
- Design Engineer Recommendation Letter
- Bid Tabulation

FINANCIAL IMPACT:
GL 51-42-825: $85,000

Respectfully Submitted:

Charles R. Gillette, P.E., City Engineer

Content Review:

Dale Coulam, City Manager

ALPHA ENGINEERING

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February 25, 2015

Ivins City
c/o Chuck Gillette, PE
55 North Main
Ivins, Utah 84738

RE: Recommendation of Contractor for the Taviawk Pump Station Upgrades Project

Dear Chuck:

Please find attached the bid tabulation for the above referenced project. As you are aware the project exceeded the budgeted amount. However, Desert Hills Construction was the low bid and had comparable unit prices to the other bidders, but had an overall bid that was approximately 20% lower than the next bid. After our meeting with Jason Rogers with Desert Hills Construction and Paul Snow, subcontractor with Snow Electric, I felt that they had provided a reasonable bid. The materials supply for the electrical and piping was a substantial portion of the cost. The contractor agreed to take the sandstone rock work out of the project which I believe you indicated would be completed by a local person.

We have seen other recent bids with specialized electrical and mechanical trades involved that have been substantially higher in cost. Specialized fittings and electrical controls have increased in cost substantially. We would recommend award to the low bidder Desert Hills Construction in the amount of $67,160 which is $2,002 less than their original bid by removing bid item #5 (furnish and install sandstone rock retaining wall) from the contract. Attached are the contract documents reflecting this change for signature.

Let us know if you need any additional information or if you have any questions regarding the enclosed. When the contract pages are signed and the performance and payment bonds are secured we will incorporate them into the contract and bind the documents.

Sincerely,

Brent E. Gardner

Brent Gardner, PE
ALPHA ENGINEERING COMPANY

Encl: Bid Tabulation Sheet
Contract Signature Pages

IVINS CITY
Taviawk Pump Station Upgrades Project Bid Tabulation
Bid 4:00 PM Tuesday, February 24, 2015

BID SCHEDULE

				Desert Hills		Interstate Rock Products		Allen Feller		PCI	
Item	**Description**	**Quantity**	**Unit**	**Unit Price**	**Total**	**Unit Price**	**Total**	**Unit Price**	**Total**	**Unit Price**	**Total**
1	Mobilization	1	L.S.	$4,700.00	$4,700.00	$5,100.00	$5,100.00	$11,000.00	$11,000.00	$11,000.00	$11,000.00
2	Furnish and Install Plumbing in the Existing Pump Station and Install Owner Furnished Pumps	1	L.S.	$20,300.00	$20,300.00	$27,600.00	$27,600.00	$25,000.00	$25,000.00	$43,000.00	$43,000.00
3	Furnish and Install Electrical for Existing Pump Station	1	L.S.	$36,200.00	$36,200.00	$42,500.00	$42,500.00	$37,000.00	$37,000.00	$59,000.00	$59,000.00
4	Remove and Replace Asphalt	85	S.F.	$21.00	$1,785.00	$6.00	$510.00	$20.00	$1,700.00	$17.00	$1,445.00
5	Furnish and Install Sandstone Rock Retaining Wall	22	L.F.	$91.00	$2,002.00	$92.00	$2,024.00	$100.00	$2,200.00	$175.00	$3,850.00
6	Furnish and Install Transformer Pad	1	L.S.	$3,500.00	$3,500.00	$690.00	$690.00	$2,500.00	$2,500.00	$820.00	$820.00
7	Furnish and Install 4" Conduit to Transformer	55	L.F.	$9.00	$495.00	$50.00	$2,750.00	$46.00	$2,530.00	$30.00	$1,650.00
8	Furnish and Install 3" Conduit to Panel Assembly	20	L.F.	$9.00	$180.00	$80.00	$1,600.00	$45.00	$900.00	$55.00	$1,100.00
	Total Bid Schedule				$69,162.00		$82,774.00		$82,830.00		$121,865.00

ALPHA ENGINEERING