Ivins City Staff Report
City Council Meeting 11/16/2017

Agenda Item: Approval of expenditure for Kayenta Debris Basins geotechnical testing contract

Submitted by: Thomas Jorgensen, P.E., Assistant Public Works Director

Recommended City Council Action:
Approve expenditure of $12,940 for geotechnical testing and engineering services for the Kayenta Debris Basins project, plus an additional $3,000 for contingency, for a total of $15,940.

BACKGROUND:
Geotechnical engineering and testing services are required for the Kayenta Debris Basins project. Originally, the testing services were to contracted and paid for by the contractor, but to avoid a possible conflict of interest between the contractor and the geotechnical testing providers Staff is recommending that these services be pulled from the contractor's contract and be contracted directly through the City.

FINDINGS AND ANALYSIS:
Two quotes were received by Landmark Testing and AGEC, these quotes have been attached.

AGEC - $12,940.00
Landmark Testing - $13,775.00

Staff is recommending the contract be awarded to AGEC. Staff requests that the Council approve the expenditure of $12,940 plus an additional $3,000 in contingency for a total of $15,940.

SUPPORT MATERIALS:
Quote – Landmark Testing
Quote - AGEC

FINANCIAL IMPACT:
This cost is to be included with the overall project cost and is subject to the same reimbursement rate as the rest of the project where NRCS will reimburse 65% of the cost. It is still anticipated that through in kind matches the City will be able to avoid most of this cost.

Respectfully Submitted:

Thomas Jorgensen, P.E., Assistant Public Works Director

Content Review:

Dale Coulam, City Manager

LANDMARK
TESTING & ENGINEERING

November 8, 2017

Jones & DeMille Engineering
Mr. Chad Sonderegger
435 East Tabernacle
St. George, Utah 84770

Re: Ivins City – Kayenta EWP
Construction Materials Testing
Landmark Proposal YP2398

Chad,

Landmark Testing & Engineering is pleased to present this proposal to provide Construction Materials Testing for the Ivins City – Kayenta EWP project.

It is our understanding that the main components of this project will consist of the installation of 4 ft. x 10 ft. Box Culvert, and an East and West Debris Basin with Drainage features. Based on the scope of work outlined in the plans and specifications, we propose to do the Construction Materials Testing for an amount of $13,775.00. This amount includes on-site and travel time for one field technician, mileage, and laboratory testing. This estimate is based on a standard 5-day work week, Monday through Friday. If weekend work is required an additional overtime rate will be charged at $60.00 an hour, plus mileage. Laboratory testing includes 3 Moisture Density Relationships, 15 to 20 sets of Concrete Cylinders, Base Course and Rip-Rap compliance testing. If additional laboratory testing is required, these additional tests will be charged according to our standard rates.

We appreciate the opportunity to submit this proposal for your consideration. If you should have any questions regarding the scope of work please feel free to contact our office at (435) 986-0566.

Sincerely,
LANDMARK TESTING & ENGINGEERING

Russ Sorensen
Project Manager

AGEC
Applied GeoTech

Exhibit A

AGEC Project No. 2161704
Monday, November 13, 2017

Ivins City Kayenta EWP

	Item	Unit	Estimated Amount	Unit Cost	Total Cost
Detention Basin					
	Technician Compaction Testing (Embankment)	hrs	75	$50.00	$3,750.00
	Technician Compaction Testing (Low Perm. Fill)	hrs	50	$50.00	$2,500.00
	Proctor	each	5	$150.00	$750.00
	Soil Classification	each	14	$100.00	$1,400.00
Concrete					
	Concrete Cylinder Sampling/Testing/Compressive Strength (set of 4)	each	20	$52.00	$1,040.00
	Technician Concrete Sampling/Testing	hrs	60	$50.00	$3,000.00
Reports					
	Final Summary of Testing	each	2	$250.00	$500.00
				Total	**$12,940.00**

Notes: AGEC has full time technicians in the Ivins/Santa Clara area throughout each day. The travel time and response time will be lessened due to the availability of our technicians.

AGEC has already provided testing on materials for suitability for the clay core. This work was billed in January of this year $1,663.75 through JP Excavating.

The estimate is based on the project specifications of testing concrete every 50 cubic yards or each pour.

The estimate also is based on our discussion with JP Excavating on the schedule of fill material placement.