

COUNCIL DECISION REQUEST

SUBJECT: C. C. Cragin Reservoir Pipeline and Water Treatment Plant Site Environmental Assessment

MEETING DATE: March 3, 2011

PAYSON GOAL: NEW: EXISTING: XX

ITEM NO.:

TENTATIVE SCHEDULE:

SUBMITTED BY: LaRon G. Garrett, Pub. Wks. Dir. AMOUNT BUDGETED: \$100,000

SUBMITTAL TO AGENDA

EXPENDITURE REQUIRED: \$34,550

APPROVED BY TOWN MANAGER

CONT. FUNDING REQUIRED: \$0

EXHIBITS (If Applicable, To Be Attached): Change Order Scope of Work

POSSIBLE MOTION

I move to approve the Change Order dated February 25, 2011 with SWCA Environmental Consultants for additional required for the C. C. Cragin Reservoir Pipeline and Water Treatment Plant Site Environmental Assessment in an amount not to exceed \$34,550 and authorize the Mayor to sign the necessary documents.

SUMMARY OF THE BASIS FOR POSSIBLE MOTION:

Several changes in the C. C. Cragin Pipeline Project have arisen in the past few months. These changes will require additional environmental field work and reporting, as well as additional coordination with the Bureau of Reclamation. Items that will require additional work include: (1) archaeological and biological surveys of the proposed construction staging areas; (2) archaeological and biological surveys of the expanded footprint of the Water Treatment Plant site adjacent to Mesa Del Caballo; and (3) additional coordination with the Forest Service and Bureau of Reclamation. These items were not included in the original contract Scope of Work.

The cost to complete this additional work is estimated at \$34,550. A detailed Scope of Work is attached.

PROS: This will allow staff to complete the Environmental Study and move forward with the C C Cragin Project.

CONS: None

PUBLIC INPUT (if any):

BOARD/COMMITTEE/COMMISSION ACTIONS/RECOMMENDATIONS (if any) (give dates and attach minutes):

FUNDING:

MAR 03 2011 I. 2*

COUNCIL DECISION REQUEST

Acct: 661-5-5451-00-7900? Budget: Available Expense: Remaining:

Acct: Budget: Available: Expense: Remaining:

Acct: Budget: Available: Expense: Remaining:

BA: _____ Date: _____



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February 25, 2011

LaRon Garrett
Town of Payson
Water Service Department
303 North Beeline Highway
Payson, Arizona 85541

Re: Proposal for Additional Environmental Services for the Proposed Town of Payson Cragin Pipeline Project in Gila County, Arizona

Dear Mr. Garrett,

As you know, several changes in the Cragin Pipeline Project have arisen in the past few months. These changes will require additional fieldwork and reporting, as well as additional coordination with the Bureau of Reclamation. Items that will require additional work include: (1) archaeological and biological surveys of six (of the nine) proposed staging areas, (2) archaeological and biological surveys of the expanded footprint of WTP2 (proposed action, north of Mesa Del Caballo), (3) and changes in the project footprint of WTP along with additional coordination with the Bureau of Reclamation on the project environmental assessment (EA). As you are probably aware, these items were not included in our original scope of work or contract amount.

The cost to complete these tasks, as described in the attached scope of work, is a **Time & Materials, Not to Exceed** total of **\$34,550**. If the scope of work and cost estimate is acceptable to you, please let us know so we can work with the Town to make the necessary contract arrangements. SWCA will be able to start work immediately. Please contact Cara Bellavia or me at (602) 274-3831 if you have any questions regarding this proposal.

Sincerely,

A handwritten signature in cursive script that reads "Kenneth J. Houser".

Ken Houser
Managing Principal

Attachment

SCOPE OF WORK

TASK 1. ARCHAEOLOGICAL AND BIOLOGICAL SURVEYS: STAGING AREAS

The Town will need to have six of the nine proposed construction staging area locations surveyed as soon as possible. It is important to have these staging areas evaluated for archaeological and biological resources in order to determine whether all or portions of the staging areas will need to be reconfigured, or some other mitigation is necessary prior to their use during construction. The staging areas have not been previously evaluated for use. Staging areas 1, 4 and 5 are paved and will not require additional survey.

The location, acreage and boundaries of the survey areas will be based on the staging area locations and data provided by Sunrise Engineering in 2010. The total survey area for all six locations will not exceed six acres.

Task 1.1 Biological Evaluation

Fieldwork. An SWCA biologist will visit the six staging areas to document vegetation types present within and immediately surrounding the sites. Dominant plant communities and species will be recorded in addition to habitat features potentially important to federally listed or other special status species. SWCA will use the Arizona Game and Fish Department (AGFD) Arizona Heritage Geographic Information System online environmental review tool to obtain Heritage Data Management System information regarding documented occurrences of listed species in the project vicinity. We will also utilize the USFWS website to obtain the most current list and information on species protected under the Endangered Species Act (ESA) for Gila County, including designated critical habitat for listed species. Based on the current species data, habitat types and features present, the project area will be evaluated for the potential presence of such species, including those listed under the ESA and Migratory Bird Treaty Act; those species listed as Sensitive by the Tonto National Forest (TNF); any state listed species known to occur within 5-miles of the project area; those listed as Management Indicator Species by the TNF; and any TNF- and ADA-listed noxious weeds. In addition, SWCA will coordinate with the USFS biologist regarding their knowledge of the area and species data to assist in our investigations.

This change order also includes time for the SWCA biologist to revisit the northern portion of the project area to assess habitat for the Chiricahua leopard frog in light of the recent (August 2010) reintroduction efforts that were done by the TNF. Previous field visits did not include this area since no CLF populations were known in that area during the previous field visits.

Report. After fieldwork, SWCA will revise all draft biological reports (BAE, MBTA, and MIS) already prepared for this project. This information will also be used to update the draft EA. Only two rounds of report revisions based on Town and Forest Service comments (only) are included in this task. If more than two rounds of revisions are needed, a change order may be necessary.

Task 1.2 Cultural Resources Survey

SWCA will prepare a new standalone report to evaluate the six proposed staging areas. The scope of work includes three elements, detailed below.

Background Research. Before fieldwork, SWCA will examine the files at the Tonto National Forest to update the search performed by Dosh (2009) and SWCA in 2010. SWCA will utilize existing data gathered during 2009 and 2010 research and fieldwork. In addition, the AZSITE database, which includes records from the Arizona State Museum (ASM), Arizona State University, and Bureau of Land Management, will be checked. This search will be conducted to determine the location of any previously conducted archaeological surveys or previously recorded archaeological sites within or adjacent to the project areas. SWCA will include the search results in the survey report.

Field Survey. SWCA will conduct an archaeological survey of the six staging areas, adhering to survey methods established by the Forest Service. These standards include having one or more qualified archaeologists cover the area with systematic pedestrian transects for 100% survey of the project area. During the inventory, any previously recorded sites will be re-evaluated and rerecorded as necessary. Newly discovered archaeological sites will be mapped to scale and fully recorded according to Forest Service guidelines. SWCA will evaluate the significance of all identified historic and prehistoric resources in terms of eligibility for listing in the National Register of Historic Places. This survey will be conducted under SWCA's Special Use Permit with the Tonto National Forest.

If more than 3 archaeological sites are identified during fieldwork, SWCA will request a change order to record the additional sites.

Report. After fieldwork, SWCA will prepare a summary report that includes a cover, title page, introduction, project description, environmental setting, cultural setting, background research results, methods, results of investigations, recommendations, and references cited. The report will provide recommendations regarding the management of any significant cultural resources identified in the project area.

These costs do not include submission of the report to any agency other than the Forest Service, or tribal notification or costs and delays as a result of tribal consultation if any Native American tribes attach religious or cultural significance to historical properties in the project area.

Only two rounds of revisions based on client and Forest Service comments will be necessary. If more than two rounds of revisions are needed, a change order may be necessary.

Task 1 Schedule

All Task 1 reports will be prepared using Microsoft Word software (unless otherwise specified in the contract), with color maps created using either AutoDesk (AutoCAD) or ESRI (ArcGIS) software. SWCA will submit to the client and the Forest Service copies of the draft reports for review, and will incorporate client and agency comments into the final report. For cultural resources, at the close of the project, SWCA will prepare and submit the necessary archaeological site and survey project records for permanent curation at the Forest Service. Weather permitting, SWCA anticipates completing the final reports within 4 to 6 weeks after receiving the fully executed change order.

Task 1 Cost: \$12,101

TASK 2. ARCHAEOLOGICAL AND BIOLOGICAL SURVEYS: WTP2 EXPANDED FOOTPRINT

In January 2011, the proposed WTP2 footprint was expanded from five acres to 10 acres. At the request of the Forest Service, the new WTP footprint will need to be evaluated. The following cost and scope of work include archaeological and biological surveys of the additional 5 acres. The location, acreage and boundaries of the survey area will be based on the engineering data provided to SWCA on January 31, 2011. The total survey area will not exceed five acres. Fieldwork for Task 2 will be done at the same time as Task 1.

Task 2.1. Biological Evaluation

SWCA will revise the existing BAE, MBTA, and MIS reports to include an evaluation of the additional five acres of the WTP2 site. The scope of work includes two elements, detailed below.

Fieldwork. An SWCA biologist will visit the WTP site to document vegetation types present within and immediately surrounding the site. Dominant plant communities and species will be recorded in addition to habitat features potentially important to federally-listed or other special status species. SWCA will use the Arizona Game and Fish Department (AGFD) Arizona Heritage Geographic Information System online environmental review tool to obtain Heritage Data Management System information regarding documented occurrences of listed species in the project vicinity. We will also utilize the USFWS website to obtain the most current list and information on species protected under the Endangered Species Act (ESA) for Gila County, including designated critical habitat for listed species. Based on the current species data, habitat types, and features present, the project area will be evaluated for the potential presence of such species, including those listed under the ESA and Migratory Bird Treaty Act; those species listed as Sensitive by the Tonto National Forest (TNF); any state listed species known to occur within 5-miles of the project area; those listed as Management Indicator Species by the TNF; and any TNF- and ADA-listed noxious weeds. In addition, SWCA will coordinate with the USFS biologist regarding their knowledge of the area and species data to assist in our investigations.

Report. After fieldwork, SWCA will revise all draft biological reports (BAE, MBTA, and MIS) already prepared for this project. This information will also be used to update the draft EA. Only two rounds of report revisions based on Town and Forest Service comments are included in this task. If more than two rounds of revisions are needed, a change order may be necessary.

Task 2.2. Cultural Resources Evaluation

SWCA will include the results of the background research and fieldwork for WTP2 in the same report as the staging area locations (see Task 1.2).

Background Research. Before fieldwork, SWCA will examine the files at the Tonto National Forest to update the search performed by Dosh (2009) and SWCA in 2010. In addition, the AZSITE database, which includes records from the Arizona State Museum (ASM), Arizona State University, and Bureau of Land Management, will be checked. This search will be conducted to determine the location of any previously conducted archaeological surveys or previously recorded archaeological sites within or adjacent to the project area.

Field Survey. SWCA will conduct an archaeological survey of the expanded WTP footprint adhering to survey methods established by the Forest Service. These standards include having one or more qualified archaeologists cover the area with systematic pedestrian transects for 100% survey of the project area. During the inventory, any previously recorded sites will be re-evaluated and rerecorded as necessary. Newly discovered archaeological sites will be mapped to scale and fully recorded according to Forest Service guidelines. SWCA will evaluate the significance of all identified historic and prehistoric resources in terms of eligibility for listing in the National Register of Historic Places. This survey will be conducted under SWCA's Special Use Permit with the Tonto National Forest.

Report. As noted above, SWCA will include the results of the background research and fieldwork for WTP2 in the same report as the staging area locations (see Task 1.2).

Task 2 Schedule

SWCA will begin work immediately after receiving signed notice to proceed. SWCA anticipates completing the final reports within 4 to 6 weeks after receiving notice to proceed.

Task 2 Cost: \$4,079

TASK 3. ADDITIONAL EA REQUIREMENTS

Several changes and requests from the Forest Service, the Town, and the Bureau of Reclamation, have included additional effort on the EA, beyond what was originally proposed on this project. These are listed below.

- SWCA has expended additional effort to meet the reporting requirements of the Bureau of Reclamation. In October 2010, SWCA and the Forest Service were advised that the Cragin project had become authorized as a Rural Water Supply Act project. As you know, Reclamation is overseeing the Rural Water Supply Act authorization for the Cragin project, and as a part of the project, Reclamation has specific requirements that need to be met in the EA. Reclamation has long been involved in the project, however their NEPA implementing regulations and their content approval for the EA per the Rural Water Supply Act, have resulted in additional coordination and an increased level of effort to revise the EA to their specifications.
- Last minute changes by the Town to the footprint of WTP2 and expansion of the proposed WTP2 resulted in an increased level of project management and scheduling effort to address this change within a 2 week period, and ensure that the entire 150+ page EA and analysis were appropriately revised to reflect this change and still meet the project deadline.
- Finally, at the request of the Forest Service, the public draft EA included notifying over 400 individuals via a bulk mailing. This mailing included a 4 page letter and 3 full color maps, produced at considerable expense.

SWCA assumes that, moving forward, there will be no more substantive change to the EA as a result of Forest Service, Town, Reclamation, or public comments. Substantive changes to the analysis include, but are not limited to, changes in the footprint of any project component, changes in any agency's requirements (i.e. Reclamation and the Rural Water Supply Act program), or challenges from the public or tribes regarding any portion of the NEPA process (e.g alternatives selection process or reasonably foreseeable future development).

Task 3 Cost: \$18,370