

RESOLUTION NO. 5083

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SOLEDAD APPROVING TASK ORDER NO. 21 IN THE AMOUNT OF \$27,695 FOR ENGINEERING SERVICES FOR THE REHABILITATION OF WELL #9 WITH HARRIS & ASSOCIATES, AND AUTHORIZING THE CITY MANAGER TO EXECUTE SAID TASK ORDER ON BEHALF OF THE CITY OF SOLEDAD

WHEREAS, the water from Well #9 has aesthetic issues and the use of this well has been restricted by the State of California due to the aesthetic issues with the water; and

WHEREAS, a safe and adequate water supply, especially during peak summer usage is very important to the City, and Well #9 needs to be returned to service, producing safe and adequate water; and

WHEREAS, the Council retained Harris and Associates to provide on-call engineering design, construction management and post construction services for rehabilitation work to be completed on Well #9; and

WHEREAS, Harris & Associates has submitted Task Order No. 21 for additional engineering and geological consulting work necessary to complete rehabilitation of Well #9.

NOW THEREFORE, BE IT HEREBY RESOLVED, by the City Council of the City of Soledad that Task Order #21 from Harris & Associates in the amount of \$27,695, a copy of which is attached hereto as Exhibit "A" and by reference incorporated herein, is hereby approved and the City Manager is hereby authorized and directed to execute the same on behalf of the City of Soledad.

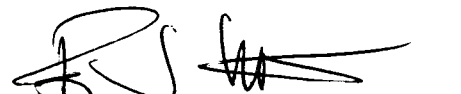
PASSED AND ADOPTED by the City Council of the City of Soledad at a regular meeting duly held on the 6th day of May, 2015, by the following vote:

AYES, and in favor thereof, Councilmembers: Christopher K. Bourke, Richard J. Perez, Patricia D. Stephens, Mayor Pro Tem Alejandro Chavez and Mayor Fred J. Ledesma


NOES, Councilmembers: None.

ABSTAIN, Councilmembers: None.

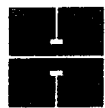
ABSENT, Councilmembers: None.


FRED J. LEDESMA, Mayor

ATTEST:


ADELA P. GONZALEZ, City Clerk



**Harris & Associates**SM*Shaping the Future, One Project at a Time*SM

April 21, 2015

Don Wilcox, Public Works Director
City of Soledad
P.O. Box 156
Soledad, CA 93960

**Subject: Scope and Fee for Consulting Services Related to the Rehabilitation of Well 9
Phase IV - Packer Test
Water Resources Engineering Contract - Task #21**

We are providing this task order to continue assisting the City with rehabilitating Well 9. Previous task orders have been approved for this assignment but only cover a portion of the effort. The following provides a brief overview of the Well 9 effort thus far:

Phase I – Investigation Phase (Task Order 2)

This phase involved coordination with the City regarding well construction details, water quality tests, data review and a technical memorandum from our subconsultant, Fugro. This assignment began in April 2013.

Phase II – Preparation of Bid Documents (Task Order 7)

This task included the preparation of bid documents, coordination with City staff and bid phase services; including services from Fugro to address specifications and comments from bidders. This assignment began in December 2013.

Phase III – Consulting Services during Rehabilitation (Task Order 10)

The contractor was selected in March 2014 and Harris has been assisting the City since then. Our services included coordination with City staff and the selected contractor (Maggiore). The contractor has been unresponsive, which has required Harris to increase coordination efforts. This involved meetings with the City and the contractor, preparation of letters on behalf of the City and numerous miscellaneous coordination tasks (e.g. email and phone calls).

Phase III – Consulting Services during Rehabilitation (Task Order 12)

The contractor continued their rehabilitation work in August 2014 and Harris has been supporting that effort. We attended meetings with City staff, coordinated with Maggiore and Fugro, and visited the site during the well video. This task order covered the additional effort to see the project through rehabilitation, which included our subconsultant (Fugro) to provide further support and a final recommendation on rehabilitating Well 9.

The effort associated with this task order includes consulting services related to the Packer Test. The Dynamic Flow and Chemistry Profiling Report for Well 9 and the Final Video suggest that the City conduct a Packer Test to close off a portion of the well to determine water quality and production at the identified depth. This effort requires close coordination with the contractor and additional support from our technical subconsultant, Fugro. Therefore, Harris staff will serve as Project Manager and coordinate this effort on behalf of the City. This includes attending meetings with City staff and contractor during this effort, manage the services provided by the contractor and subconsultant, and approve payments.

The table below lists our estimated effort, which will be provided on an "hourly not-to-exceed" basis.

Staff	Hourly Rate	Effort (hours)	Fee
Frank Lopez, Project Manager	\$170	40	\$6,800*
Harris Fee =			\$6,800
FUGRO (See Exhibit A)			\$19,900
5% Markup			\$995
Subconsultant Fee =			\$20,895
Total Fee =			\$27,695

*Please note that Harris has already incurred cost related to consulting services for the Packer test and the budget reflects that cost.

Additional efforts (i.e. meetings beyond those in the attached scope of work, additional task items unforeseen at the authoring of this task order) will be provided under a subsequent authorization.

Regards,
HARRIS & ASSOCIATES, Inc.

HARRIS & ASSOCIATES, inc.

PATRICK DOBBINS

Frank S. Lopez

Patrick Dobbins, PE, QSD
Director, Community Services

Frank S. Lopez, PE, QSD, CFM
Project Manager

Accepted:

Adelberto Sanchez
By: City of Soledad

5-11-2015
Date

City Council approved 05.06.2015 by Reso No. 5083



660 Clarion Court, Suite A
San Luis Obispo, California 93401
Tel: (805) 542-0797
Fax: (805) 542-9311

March 23, 2015
Project No. 04.62159040

Harris & Associates
2 Salinas Street, Suite B
Salinas, California 93901

Attention: Mr. Frank Lopez, PE
Director, Community Services

Subject: Proposed Work Plan and Estimated Fee
Soledad Well No. 9 Packer Testing

Dear Mr. Lopez:

Based on our conversation with you and representatives from the City of Soledad on March 13, 2015, you asked that we prepare this brief work plan and fee estimate to provide hydrogeologic services to Harris & Associates regarding ongoing work on the City's Well No. 9. As we discussed in our conference call, the initial post-rehabilitation downhole video of Well No. 9 was not acceptable because the video resolution was black below a depth of 650 feet. A second video run shortly thereafter was also unacceptable due to the inability to inspect the casing to the full depth of the well. Additionally, precipitate buildup occurred in the four screened sections between 520 and 665 feet.

It was concluded in our conference call to proceed with recommendations outlined in our rehabilitation summary report, including packer installation and zone pumping tests to evaluate whether the water quality and water quantity above the 665-foot level was acceptable to the City. We discussed that the initial testing would be for 3 to 5 days in duration, and then evaluate the results to assess whether a longer term test, such as one month, would be warranted.

Fugro's services associated with this task order will include the following:

Task 1. Prepare Work Plan and Assist with Discharge Permit. Fugro will develop a detailed work plan that can be used as a set of operational specifications for Maggiora to follow as well as provide the City with information to assist with obtaining discharge permits (or permission) to discharge the produced pumping test water. The work plan will detail the procedures for Maggiora to follow and the anticipated water quality and water quantity results.

Task 2. Packer Installation and Pumping Test Observation. Fugro will provide part time construction observation for the setting and installation of the packer, as well as monitor and observe the contractor's performance of the initial 3 to 5 day pumping test. We will work with the City to either facilitate the sampling of the produced water for water quality testing, or grab the samples for submittal to the lab. The proposed budget includes one day for packer installation and three days for testing.



Task 3. Data Analysis. After completion of the packer pumping test and receipt of laboratory water quality analyses, Fugro will analyze the data and work with you to develop an action plan for moving forward. Analyses to be conducted include pumping test data (specific capacity, aquifer parameters, well yield), and laboratory analytical data. These results will provide direction whether the shallower well will provide sufficient water quality and water quantity (instantaneous discharge volume) for the City, and whether isolation of the upper part of the well will meet the City's needs.

Task 4. Reporting. Fugro will prepare a summary report that includes field documentation of the packer installation and pumping test results, summary tables of data collected, data analysis results, interpretation of data, and recommendations.

We are not, at this time, including the long-term (one month) testing option in this work plan and fee estimate. We believe that the results of the 3 to 5 day test should be evaluated and the City should have an opportunity to assess whether the well and the produced water might be adequate for moving forward. This initial work is somewhat of a fatal flaw screening analysis; if the results of the 3 to 5 day test clearly show an inadequate discharge volume and/or demonstrably unacceptable water quality, it is likely that additional testing should not be conducted. We suggest that Fugro, Harris, and the City will all confer immediately upon receipt of the initial test results to decide on the next action steps.

We are prepared to start work immediately upon your authorization to proceed with the preparation of the work plan specifications for submittal to Maggiora.

Costs for the work tasks outlined are estimated as follows:

Task 1. Prepare Work Plan and Assist with Discharge Permit	\$2,800
Task 2. Packer Installation and Pumping Test Observation	\$9,300
Task 3. Data Analysis	\$3,200
Task 4. Reporting	\$4,600
Total Estimated Cost:	\$19,900

As you know, Peter Leffler participated on behalf of Fugro in our involvement in past activities related to this well, but he has subsequently moved to a different position. However, for the benefit of the City and the ongoing work process, we believe that it is in the City's best interests that we continue to utilize Peter as a subconsultant to Fugro for this next phase of work. We propose that Peter act in a review and technical advisory capacity in order to take advantage of his institutional knowledge of the work done to date.

Please do not hesitate to call if you have any questions.



Sincerely,

FUGRO CONSULTANTS, INC.

A handwritten signature in black ink that reads "Paul A. Sorensen". The signature is fluid and cursive, with the first name being the most prominent.

Paul A. Sorensen, C.Hg.
Principal Hydrogeologist

