

**Santa Ana Watershed Project Authority (SAWPA)**  
**Request for Proposals for**  
**SARI Repairs to the Unlined Reinforced Concrete Pipe (RCP)**  
**Reaches IV-A and IV-B Design Services**

**Responses to Written Questions Submitted to SAWPA by April 22, 2009**

**Revised April 23, 2009**

**Question:** Could you please send me the list of people and companies whom attended the April 14<sup>th</sup> site walk?

**Response:** A sign in sheet was not available at the site walk. However, the following companies were checked off as being represented:

- AECOM
- CDM
- Krieger and Stewart
- RMC
- IEC
- AMEC
- Epic Land Solutions
- Webb Associates

**Question:** Are Reach IV-A and IV-B manhole coordinates available?

**Response:** Manhole coordinates are available on SAWPA's FTP site

**Question:** What operation and maintenance procedures have been enacted to date to address the issue of biogrowth along the affected stretch of pipe? Specifically, what methods if any have been used to clean the pipe?

**Response:** Access to the affected stretch of pipe on Reach IVB has been limited due to the inability to access the manholes on SARI Reach IVB. The bio-growth film referenced in the Technical Memorandum refers to CCTV inspection to locate the manholes in 2008. Access to several manholes is not available and as such the bio-growth issue has not been addressed. Prior to repair of several leaking joints along Reach IVB where we have access, hydro-jetting was performed to clean the pipeline.

**Question:** In addition to biogrowth, are there any stretches of the pipe that have documented pipe scaling (i.e. mineral deposits from the brine on the pipe wall)? What methods have been used in the past to remove mineral scale along the affected stretch of pipe?

**Response:** Due to limited access along the affected stretch of pipe, the documentation of any pipe scaling is limited. However, there are other areas of the SARI where pipe scaling is an issue and hydro-jetting was performed to remove the scale.

**Question:** Are there CCTV photos or thickness data available showing the extent of biogrowth and pipe scaling?

**Response:** CCTV photos of Reach IVA and IVB will be available on the SAWPA FTP website on April 21<sup>st</sup>.

**Question:** The RFP states it may be necessary to obtain three TCEs for this project. Can you provide the names of the property owners?

**Response:** The U.S. Army Corps owns all the property located within the inundation area, One (1) private property owner owns parcels 1033-082-009 and 1033-082-010 and one (1) unidentified private property owner along upper Reach IVA, if necessary. The Consultant shall provide a list of assumptions for the unidentified property owner.

**Question:** What is the timeframe SAWPA is anticipating in order for SAWPA to secure each of the Permits identified in Scope of Work Section 2?

**Response:** SAWPA is anticipating securing the 401 certification, 1601 Lakebed Alteration Agreement, 404 permit and the U.S. Fish and Wildlife formal consultation prior to advertising for bids for the project.

**Question:** Who are the three landowners that SAWPA anticipates will require a TCE during construction?

**Response:** The U.S. Army Corps owns all the property located within the inundation area, One (1) private property owner owns parcels 1033-082-009 and 1033-082-010 and one (1) unidentified private property owner along upper Reach IVA, if necessary. The Consultant shall include a list of assumptions for the unidentified property owner.

**Question:** Does SAWPA anticipate the ACOE will require the access road through the wetlands to be regarded or otherwise upgraded as part of the project?

**Response:** SAWPA does not anticipate the ACOE will require the existing access road be upgraded as part of the project. However, we do anticipate the existing access road will need to be temporarily widened to 20 feet and minor grading may be necessary to smooth out the ruts.

**Question:** Who owns the agricultural land that we drove through at the very beginning of our field visit? I saw that there were crops being grown. Is this land leased by ACOE? Does SAWPA anticipate that we will have to work with the farmers during design and construction of the project?

**Response:** The ACOE owns and leases the land we drove through at the very beginning of our field visit. SAWPA and ACOE will be working with the lessors. The Consultant will give preference to construction methods that reduce the construction footprint within the basin.