



## PIPE USERS GROUP Northern California

MINUTES  
April 19<sup>th</sup>, 2005

### Attendees:

Jimmy Tan	Kennedy/Jenks Consultants	<a href="mailto:jimmytan@kennedyjenks.com">jimmytan@kennedyjenks.com</a>
Stan Shogren	Kennedy/Jenks Consultants	<a href="mailto:stanshogren@kennedyjenks.com">stanshogren@kennedyjenks.com</a>
Jonathan Lee	West Valley Sanitation Dist	<a href="mailto:jlee@westvalleysan.org">jlee@westvalleysan.org</a>
Michael Penny	CCCSD	<a href="mailto:mjpenny@centralsan.dst.ca.us">mjpenny@centralsan.dst.ca.us</a>
Sasha Mestetsky	CCCSD	<a href="mailto:sasha@centralsan.dst.ca.us">sasha@centralsan.dst.ca.us</a>
Bob Allen	Brown & Caldwell	<a href="mailto:ballen@brwncald.com">ballen@brwncald.com</a>
Anna Chrissanthis	Kennedy/Jenks Consultants	<a href="mailto:annachrissanthis@kennedyjenks.com">annachrissanthis@kennedyjenks.com</a>
Joyce Carlson	City of Oakland	<a href="mailto:jacarlson@oaklandnet.com">jacarlson@oaklandnet.com</a>
Allen Law	City of Oakland	<a href="mailto:atlaw@oaklandnet.com">atlaw@oaklandnet.com</a>
Cindy Preuss	Harris & Associates	<a href="mailto:cpreuss@harris-assoc.com">cpreuss@harris-assoc.com</a>

### General Discussion:

Cindy sent in an article and photos covering the 2005 Annual Sharing Technologies Seminar to the editor of Trenchless Technology magazine. The article will be about a half-page and will be published in the April issue.

**Presentation:** *Val Vista Water Main Inspection and Carbon Fiber Rehab*, by Bob Allen from Brown and Caldwell.

The Val Vista Water Main is a critical pipeline that provides water to approximately one-third of the population in the Phoenix area. The presentation discussed the costs and methods used in the recent inspection and carbon fiber rehabilitation of a large diameter prestressed concrete cylinder pipe (PCCP). The project encompassed 15 miles of PCCP ranging from 72- to 108-inches in diameter. Approximate pipe wall thickness was 9 inches with the welded steel cylinder embedded in a Type II modified or Type V concrete core. The 2-inch thick inner core was non-reinforced. The outer core was reinforced with helically wrapped prestressed high-strength wire rod.

Inspection methods for the pipeline included taking physical samples of the pipe concrete core and rod wrap, conducting P-wave electromagnetic inspection, visual inspection, sounding assessment using a long rod, and acoustic monitoring. P-wave electromagnetic inspection was used to determine the axial location of wire breaks in PCCP section. Sounding assessments were conducted inside the pipe to determine hollow areas indicative of cracks or corrosion-caused defects.

Carbon fiber repairs have been made on the pipeline in certain areas to protect from buckling and internal pressure rupture where wire breaks exceeded 40 or more per joint of pipe. Recommendations presented to the City of Phoenix for comprehensive repairs of breaks within the system include carbon fiber repair, concrete encasement, post-

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Secretary, Nor Cal PUG

tensioned tendons, wire splicing, or construction of a steel liner. The estimated total project costs associated with split-can steel sliplining exceed \$76 million. The City is currently reviewing the alternatives.

### **Executive:**

*Non-Profit application* may be completed by tax consultant. Cindy getting quote from Harris' tax consultant and will report back with proposed estimate.

*Bylaws* shall be changed as follows: Section VI Officers, Part A will clarify that the five executive committee representatives shall be elected by the members; Part F will be changed to state that terms of office will be for a two (not one) year period beginning in March of said year; Section VII Nominations and Elections; Part A will be stricken completely, Part B will be changed from having an Election Committee to having an Executive Committee that will solicit and accept nominations. With a unanimous vote, Cindy will make the final revisions and date the Bylaws as amended and approved by the Executive Committee and the General Membership as of April 19, 2005.

*Treasury status* is such that Michael now has only two months left before all accounts need to be phased out of CCCSD. Cindy proposed that Harris temporarily take over the PUG accounts until non-profit status (and tax id #) is received. Harris' CFO estimated \$200 for purchase of Quickbooks to handle the PUG account, with a charge of \$70 per hour to manage the account in-house. Set up time is approximated at 3-5 hours, and monthly maintenance at ~2 hours. Since Quickbooks may be prove valuable in maintaining the PUG accounts long-term, and may be easier for tax purposes, this charge and the setup of the Quickbooks accounts by Harris was approved by the Executive Committee, as well as the monthly maintenance estimated costs. Cindy and Michael will move forward with beginning the account transition.

When the PUG account is transitioned from Harris to Allen (when PUG has non-profit status), Quickbooks will be transferred off the Harris' computer system and onto the Treasurer's system. Since the City of Oakland does not allow outside software installations on their systems, a laptop computer be purchased to handle the treasury. The laptop will only be used for PUG purposes, and will only have Quickbooks installed. Allen approximated \$600 for a basic laptop. Cindy will investigate.

*New member applications* to be sent soon are to have Allen Law's mailing address, not Michael Penny's.

### **Website Development:**

Once the files were transferred from the website developer's system and uploaded with the web host, an error message continues to pop up with any attempt at navigating through the website. The website developer is non-responsive after multiple attempts at reaching him. Harris' IT department is trying to help PUG out to get the website running through troubleshooting, but in the meantime we have a "Website Under Construction" sign on the web page.

### **Next Meeting:**

Our next meeting will be held **TUESDAY, MAY 17, 2005** at the offices of Brown and Caldwell. The topic will be on direct-bury of HPDE pipe. Please call (925)-210-2307 or e-mail Jennifer Glynn (jglynn@brwnncald.com) to RSVP.

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