



MEETING MINUTES

November 9, 2021

Virtual Meeting

Attendees:

Name of Attendee(s)	Company / Agency Name	Email Address
Adam Brown	West Yost	abrown@westyost.com
Alexandra Watson	HydroScience Engineers	awatson@hydroscience.com
Ben Wright	Black and Veatch	wrightb@bv.com
Bob Allen	Trident Engineering	ballen@tridenteng.com
Celia Kitchell	Delta Diablo	celiak@deltadiablo.org
Chris Lind	Sekisui SPR	Chris.Lind@sekisui-spr.com
Chris Elliott	Mountain View Sanitary District	chrise@mvsd.org
Christina Ramirez	West Yost	cramirez@westyost.com
Clint Byrum	City of Morgan Hill	clint.byrum@morganhill.ca.gov
Dennys Sudarma	Mott MacDonald	dennys.sudarma@mottmac.com
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Dustin La Vallee	EBMUD	dustin.lavallee@ebmud.com
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Gerardo Santana	Solano Irrigation Water District	gsantana@sidwater.org
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Karl Ono	Napa Sanitary District	kono@napasan.com
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Mike Garcia	West Yost	mike.garcia@forterrabp.com
Mykaiah Clermont	Solano Irrigation Water District	mclermont@westyost.com
Nancy McWilliams	Solano Irrigation Water District	nmcwilliams@sidwater.org
Robert Le	HydroScience Engineers	rle@hydroscience.com
Tim Bako	Spiniello	tbako@spiniello.com

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Announcements:

- **PUG**
 - **PUG Annual Sharing Technology Seminar February 17, 2022, Live**
Please Submit your abstract by November 29 at 5 pm.
 - **PUG Membership Renewal**
Please renew your membership.
 - **Future Presentations for Monthly Meetings**
For future meetings, PUG is open to presentations for future topics. We are booked through December.
- **NASTT**
 - **November 8-10, 2021 - LIVE**
No-Dig - North Vancouver, BC
NASTT 2022 April 10 to 14, 2022 – Minneapolis, Minnesota Live
- **WEFTEC 2021**
 - *November 16-18 WEFTEC Online.*
 - *WEFTEC 2022 October 8-12 New Orleans - Live*
- **UESI Pipelines 2022 Conference**
 - *July 31-August 3 – Live Indianapolis, Indiana*

General:

October 2021 Meeting Minutes: An overview of the September meeting minutes was presented

Financial Update: The current total in the organization account as of October 31 is \$83,064.75 (Dustin La Vallee)

Project Discussions:**Forterra (Mike Garcia):**

- Caltrans Caldor Fire Culvert Replacing project: Culverts located under Highway 50 between mile marker 48 to 63. Between 25 to 30 crossings.
- Correction from last month meeting Pipe replacing CMP with RCP range in size from 12 to 30 inches.
- Some culvers are around 30-feet in depth
- Around 5 to 6 culverts were replaced since last month
- Recent October rains made it more challenging to work on the project
- Goal is to finish by January 2022
- This project includes drainage improvements

Event offer during Pipe week event (pipe tour) on December 7 open to everyone

Solano Irrigation District (Nancy McWilliams):

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No updates from the projects: SID is reviewing submittals for the mentioned in October meeting Twin 54" CMP culvert to be slip line with 48" HDPE and 2,800 feet, diameters range from 18" to 48" HDPE installation.

Mike Garcia asked about What is the lead time for thermoplastic pipe.

- 8 weeks lead time for larger pipes
- Thermoplastic pipe lead time about 3 to 4 weeks for smaller pipe diameter
- It depends if it is in stock or not.
- Transportation is an issue with deliver and gas fuel prices are up
- Nancy made an analysis regarding the plastic pipe prices since last year and share her results Price went up and range from 38% to 63% higher since last year.
- Gasket prices went up and secondary materials increase in price

Presentation: "Peachtree Trunk Sewer Rehabilitation Using Spiral Wound Line," Jacquie Jaques and Chris Lind.

Overview

"The Peachtree Creek Trunk Stabilization for the City of Atlanta, GA. Rehabilitating 10,500 LF of a 90-inch arched sewer with Spiral Wound lining."

- Project located in the City of Atlanta
- The City of Atlanta founded 1847
- Ruby-Collins, inc. General Contractors for the project

Highlights from the presentation include:

Background:

The City of Atlanta:

- Department of Watershed Management formed in 2002
- The department served 4.6 million people daily
- Two Federal Consent Decrees ordered in 1998 and 1999
- The system currently has more than 2,150 miles of sanitary and combined sewers

Ruby-Collins, inc. General Contractors:

Since 1970 in Atlanta serving municipalities throughout the Southeast as a premier heavy civil general contractor. Based in Smyrna Georgia.

- Ruby-Collins specialization: Water and wastewater treatment, sanitary sewer systems, storm water systems, water system and force mains, pup stations, tunnels, and pipe rehabilitation.
- Projects range in value from \$25k to \$101M
- The first project for the City of Atlanta was in 1975 at the Hemphill Water Treatment Plant and completed more than 35 separate projects with the city.

Project Background:

- 90-inch arched concrete sewer
- Cast-in-place in 1937

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- Several internal ports created in the liner for grout injection.

The final product

- The Peachtree Creek Trunk stabilization project rehabilitated 10,500 liner of 90-inch arch shaped combined sewer
- Completed ahead of schedule and underbudget
- The project marks the largest Spiral Wound installation in the United States and one to the largest pipe rehab jobs completed by Ruby-Collins and the City of Atlanta.

Advantages of spiral wound Rehabilitation

- Several sweeping bends along this pipe alignment lined with no break or change in the lining technology. In various locations, the pipe alignment made two curves in the same line segment “S” curve that could be difficult with any other technology.
- The flow level on the pipeline was constantly changing and required work to be completed with active flow.
- The technology allowed crews to continue working in varying flow levels during a rain event, when the pipe completely surcharged, and the equipment was left in place in the pipe.
- Everything was trenchless to minimize the impact to the community above the pipe.

Challenges

- Access was the greatest challenge due to the densely populated and developed location of the pipe alignment (two golf courses, two gated condominium complexes, school sport, and highly used City Park. Also, the topography of the alignment along the creek made it difficult.
- Public outreach: Notifying the community about the project, the impacts, and the continuous update.

Thank you to Chris Lind, and Jacquie Jaques from Sekisui-SPR for a great presentation and contribution to PUG monthly meeting.

Next Meeting:

The next meeting is scheduled for Tuesday, December 14, 2021. **“Large Diameter Pipe Rehabilitation with a Spray Applied Structural Geopolymer Mortar Lining,”** Kurtis Chirbas, GeoTree.”