that occur in each level for the inspected pipes. Structural defects are grouped into seven categories: broken, deformed, cracked, fractured, hole, sag, and joint. Fractures, sags, and cracked pipe are the three most prevalent defects observed in the inspected system. The O&M defects are grouped into four categories: infiltration, roots, tap, and deposits/obstructions. The most common O&M defect observed in the inspected pipes was infiltration, and the majority of infiltration was coded as level 4 and 5.

Results

The goal of the PBCWUD 2017 collection system rehabilitation project was to prioritize lift station basins for rehabilitation, field-inspect the highest-priority lift station basins using standardized NASSCO methods, and identify pipes for rehabilitation. Sanitary sewer renewal and rehabilitation design packages are being developed from the pipes identified during this analysis.

By using the GIS-based statistical desktop analysis, PBCWUD evolved from using a basic reactive method to proactive rehabilitation planning. The desktop analysis first reduced the areas to be inspected in the field, reducing mobilization and inspection costs incurred when the lift station basins in good condition are inspected. Field inspections, combined with the standardized pipe scoring, pinpointed the pipes for rehabilitation. Pinpointing individual pipes reduced the cost from the previous method of rehabbing the entire basin.

Mike Bailey to Lead FSAWWA in 2019

On November 28, Mike Bailey became the 93nd chair of the Florida Section American Water Works Association at the section’s annual Fall Conference. He succeeds Bill Young.

Mike is the utilities director and city engineer for Cooper City, which is a relatively small (for south Florida standards) municipality in south central Broward County. In 1987, after graduating from the University of South Florida with a bachelor of science degree in mechanical engineering, Mike started his career as an engineering inspector for the City of Margate. In 1988, he began working for the City of Fort Lauderdale as a utilities engineer, obtained his professional engineering license in 1992, and eventually worked his way up to assistant utilities director before taking on his current position in 2005.

Mike joined FSAWWA in 1988. He credits his first bosses in Fort Lauderdale, Allen B. Roberts and Frank Coulter, for encouraging him to attend the state and national conferences and get involved (meaning “voluntold”) with the organization. In fact, Allen took him to his first AWWA Annual Conference and Exhibition in Cincinnati in 1990.

Over the years, Mike has progressively engaged with FSAWWA, first by volunteering for various events, and eventually becoming Region VI chair in 2008 and again in 2012. He was also honored with the Allen B. Roberts Jr. Award in 2006. “The section has been so valuable to me, both professionally and personally. I really credit the organization for much of the success I’ve had in my career and I’ve also made several friends through FSAWWA.”

When asked about leading FSAWWA in 2019, Mike answered “I’m really proud of this organization and our industry in general, and am truly honored to be given the opportunity to continue the great work and progress of the past chairs. It’s humbling to think that I’ll be asked to fill the shoes of folks like Allen and Frank, and so many other past chairs I’ve met in my 32 years in this business.”

Mike lives in Weston with his wife, Jean, and together they have three wonderful children (Brooke, Brianne, and Brett), who are scattered across the United States!