

## Tampa Utility Capital Improvement Projects, Tampa, Florida

- Single-entity program management/design-build project with 11 individual infrastructure improvement projects.
- Approximately 12 miles of 48-inch to 36-inch potable water transmission mains from the David L. Tippin Water Treatment Facility. The transmission mains are through heavy traffic areas in downtown Tampa and through historic south Tampa neighborhoods.
- Construction of 5 miles of sanitary sewer force main system in the north Tampa area, replacing an existing force main that has experienced several recent breaks.

In March 2008, the City of Tampa awarded CH2M HILL a \$250-million, 5-year program management/design-build contract to deliver multiple water infrastructure projects to resolve historical drainage, stormwater, and municipal pipeline problems. The program represents the opportunity to coordinate multiple improvements in neighborhoods city-wide while maximizing scheduling efficiency, minimizing impacts to residents and businesses, and capitalizing on opportunities to coordinate work for the best solutions.

The city needed a program manager and design-builder that could handle the numerous challenges related to urban pipeline construction through residential neighborhoods and commercial districts. Some of the larger-scale projects to be delivered by CH2M HILL include:

- **New Water Pipeline Project** – 12-mile pipeline to deliver drinking water from the David L. Tippin Water Treatment Facility, ranging in size from 36 inches to 48 inches in diameter.
- **12th Street Wastewater Force Main Replacement Project** – five-mile force main replacement pipeline that will carry about a quarter of the City's wastewater using 42 to 48-inch diameter pipe.
- **19th Street and 22nd Avenue Water Pipeline Replacement Projects** – 7,400 feet of 20-inch pipeline to improve delivery of drinking water



- **Downtown Water Pipeline Replacement Project** – six miles of 12-inch diameter pipeline to replace aging water pipelines in downtown Tampa
- **Bay to Bay Water Pipeline Replacement Project** – 1.25 miles of replacement pipeline to eliminate low water pressures improve service reliability and fire protection
- **30th Street Stormwater Force Main Replacement Project** – half-mile of 54-inch pipeline to improve stormwater removal
- **Palma Ceia Water Pipeline Replacement Project** – replaces 18 segments and nearly 4.5 miles of distribution lines of distribution lines ranging from 6 to 12 inches in diameter

The first two out of 11 projects began in the fall of 2007 with multiple distinct segments under design and construction simultaneously, emphasizing the critical importance of CH2M HILL's program management skills, tools, and processes. We will ensure not only coordination and schedule compliance of these multiple segments but also minimize construction impacts while meeting the city's permit and schedule requirements.

To meet the challenges faced on all projects related to Tampa's utility capital improvements, CH2M HILL has acted as an extension of the City of Tampa staff. This approach allows a faster and more flexible response to client needs. Tampa's city leadership has expressed pleasure with this collaborative approach, as well as with our resources and commitment to minimize the disruption impact to the community.