



**Craig A. Smith & Associates, Inc.**

Engineers • Surveyors • Subsurface Utility Engineering • 3D Subsurface Imaging • Utility Coordination

# BAL HARBOUR VILLAGE WATER MAIN REPLACEMENT

## Project Entity:

Bal Harbour Village  
655 96<sup>th</sup> Street  
Bal Harbour, FL 33154

## Contact:

Jorge Gonzalez  
Village Manager  
(305) 866-4633  
manager@balharbourflorida.com

**CAS Project No.: 09-1553**

**CAS Profile No.: 127**

## Project Description:

The Bal Harbour Village Water Main Replacement Project consisted of the installation of a 12-inch water main, along the east side of Collins Avenue, intended to augment the existing water main system to boost existing pressures and flows to the Village's high rise district. Construction included the installation of 1,800 linear feet of 12-inch directionally drilled water main, 680 LF of 12-inch DIP water main, fire hydrant assemblies and connection to nine (9) existing mains. Total design costs including construction management for the project was \$123,970. Total construction cost was \$558,590. The project began in 2011 and was completed in 2013 without liquidated damages.

## Responsibilities:

Survey, utility locates, preparation of engineering design and construction plans, permitting, cost estimates, contract documents, bidding, construction management and construction observation, and certification through project close-out.

## Key Personnel:

Stephen C. Smith, P.E. – Senior Vice President; Robert D. Keener, P.S.M. – Vice President of Survey; James Driscoll – Director of SUE; William H. Landis, P.E. – Senior Supervising Engineer; Al Caruso, E.I. – Project Manager; Tony Gomes – Senior Field Representative

