

# Theme Park Causeway in Orlando



Z Sheet Pile Press-in Method



Sheet Pile Installation



Sheet Pile Installation



Completion

Project Name	Theme Park Causeway
Purpose of Project	Stormwater Retention
Location	UNITED STATES
Employer	Theme Park in Orlando, FL
Main Contractor	PCL Construction Services, Inc.
Piling Contractor	Blue Iron Foundations and Shoring, LLC
Duration	February 2014 to April 2014
Press-in Machinery	Silent Piler GV-ECO1400S
Pile Section & Length	AZ26-700, L=45'
Features & Remarks	The Press-in Pile Driving Method was utilized to install a steel sheet pile cofferdam in Orlando, FL with a Giken Silent Piler press-in pile driver in order to minimize noise & vibration impacts for the theme park visitors. Due to its accurate functions, the Silent Piler was also used to overcome very tight pile line tolerances on the project site since pre-cast concrete panels were to be installed after sheet pile installation was complete. The entire length of this causeway was designed based on a predetermined radius. The pressed-in sheet piles were designed to carry the entire bridge load.

