

**Lake Hollingsworth Shoreline Stabilization Project
Seawall Installation
APWA 2018 Project of the Year Award – Small Structures (Less than \$5M)**

Background

The Lake Hollingsworth Shoreline Stabilization project was completed under the direction of the City of Lakeland Public Works Department Lakes & Stormwater Division beginning in August 2016 and completed in March 2017. The project area encompasses approximately 400 feet of heavily utilized recreational area on the south shore of Lake Hollingsworth adjacent to the public access parking lot and boat ramp. This area is used by boaters, the Lakeland Ski Club, and is the start of a popular fitness trail that encompasses the lake. It is also the location of a variety of events, including road races, the annual Orange Cup Regatta, and the annual Cardboard Boat Challenge and Lakes Festival.

Prior to the project, the south shoreline of Lake Hollingsworth adjacent to the boat ramp was experiencing significant erosion and destabilization, as well as presenting safety issues to visitors. The erosion issues included:

- Large cavities forming in the shoreline
- Shoreline loss decreasing the available recreational area
- Exposure to tree and the loss of several trees along the shoreline
- Exposure of storm pipe outfalls
- Potential hazardous conditions to the public who recreated around the lake
- Impairment of the aesthetic values of the heavily utilized recreation area
- Negative impacts to water quality, wildlife habitat, and native aquatic vegetation

Several options were considered for the restoration of the area but after factoring in the recreational use of the shoreline, the concrete with vinyl shell seawall was selected. Factors leading to the selection of the seawall included: it is safe to recreate around; is aesthetically pleasing; long lasting and very durable; and, not overly expensive.

Goals and Benefits

The primary focus for this project was to establish erosion and sediment control for the unstable shoreline with the construction of a 408-foot long concrete, vinyl-coated, shoreline stabilization wall. The project included the addition of steps in three (3) locations along the seawall that allows public access to and from the lake. In addition, the project included repair and adjustment of storm pipe outfalls that were exposed due to the shoreline erosion.

The seawall project provides multiple benefits for both the public and environment, and protects the shoreline from further erosion and loss of shoreline, while providing greater access to the public for recreational purposes. The seawall increases safety for the citizens that visit the lakes shoreline, and protects the lakes wildlife, vegetation and water quality by reducing excessive sedimentation from entering the lake.

APWA Project of the Year Award

The project was selected for the 2018 APWA Project of the Year Award for Small Structures (less than \$5M). This is a highly competitive category and we are very proud to have been recognized for this worthwhile project.