



Case History No.: 99-6253-98
Date: Feb. 1999
Description: Rip Saw Falls - Field Modification of Existing Flume Ride
Location: Orlando, Florida
Owner: Universal Studios Florida

Scope:

The project team asked IPS to inspect the 870 lf run of FRP flume. The European manufacturer had an extensive finite element analysis and design complete on the flume framework, and nothing done on the flume itself. Upon inspection, it was noticed that the flume deflection between spans was dangerously excessive. IPS's engineering department determined that the flume, as it stood, was inadequate. The original flume was 3/16" thick. Our design required that an additional 1" of thickness be added. We staffed the repair with 40 +/- laborers and completed the relining in three weeks time.

