



The Herbert Hoover Dike System (HHD) consists of approximately 143 miles of earthen embankment located along the perimeter of Lake Okeechobee.

CSI Geo staff provided geotechnical Quality Assurance (QA) and Independent Technical Review (ITR) services. CSI Geo also helped coordinate field-surface explorations for a 7.3 mile reach of HHD. The geotechnical analyses included seepage and stability analysis for several design alternatives, including implementation of a cut off wall along the dike centerline, small/long landslide berms, and berm-toe drainage systems. Other analyses included seismic/liquefaction assessment, settlement estimates, sheet pile analysis, and pile capacity estimates for support of structures crossing the dike.

**Client**

**USACE**  
**Jacksonville District**  
Jay Davis, PE  
(904) 232-2042

**Location**

Palm Beach County, FL

**Service(s)**

Geotechnical Engineering

**Project Engineer(s)**

- Bruce Khosrozadeh, PE
- Carlos Cepero, PE