

PROJECT SUMMARY

Project Name:

**Herbert Hoover Dike (HHD), Rehabilitation Project
Culverts 4A & 3 Replacements and Water Control Structures**

Owner:

U.S. Army Corps of Engineers – Jacksonville District

Client:

Archer Western

Project Information:

Location: Palm Beach-Hendry Counties,
FL

This HHD rehabilitation project includes the demolition of existing Culverts 4A and 3 and the reconstruction of new Structures 276 (C-4A) and 277 (C-3), placing lengths of cutoff wall at the culvert locations, placement of new cast-in-place reinforced concrete headwalls, foundations, and water control structures with gates and control systems at the same locations and restoring the embankment.



RADISE is providing Construction Inspection and Materials Testing Services. Providing expertise in six major integral parts of this project including soils testing for embankment components, structural concrete sampling and testing, asphalt monitoring and testing, vibration monitoring, turbidity monitoring and installation and monitoring of thermistors.

Providing inspection and oversight of all earthwork operations. For the fill placement the work includes investigating the fill type, lift height, organic fill material and control of moisture contents before placing the fill, plus in-situ density of each lift using nuclear density gauges and sand cones.

Performing construction materials testing including soil testing for grain-size distribution and moisture density relationships, concrete strength analyses and the determination of specified density in asphalt cores. Also providing specialized testing for cutoff wall, and engineering support for other project related geotechnical and material testing recommendations.

PROJECT ELEMENTS

- New Cutoff Walls
- Culvert Replacements
- New Water Control Structures
- More Efficient Communication Accessories

RADISE ROLE:

CONSTRUCTION INSPECTION AND MATERIALS TESTING

- Earthwork Inspection
- Asphalt Inspections
- Soil Field and Laboratory Testing Services
- Concrete Field and Laboratory Testing Services
- Specialized Testing for Cutoff Wall

