

CHANCE®

WALKWAY ANCHORING REPORT

A CASE HISTORY

Project:
Boardwalk at Huntley Meadows,
Fairfax County, Virginia

Design Engineer:
TAMS Consultants
General Contractor:
Avon Corporation

Underpinning Contractor:
Levelift Systems, Inc.
Rockville, MD

Job Description:

A 1½-mile boardwalk was constructed at a wetlands site for the Fairfax County (VA) Park Authority. No wheel or track vehicles were allowed into the wetlands

Levelift Systems, Inc., a Chance distributor, supplied the INSTANT FOUNDATION™ System anchors, technical assistance and hand-transportable installation equipment to Avon Corp.

Testing:

Compression-load tests were per-

formed on three INSTANT FOUNDATION anchors in different areas of the project to verify the torque-to-holding-capacity criteria.

Procedures:

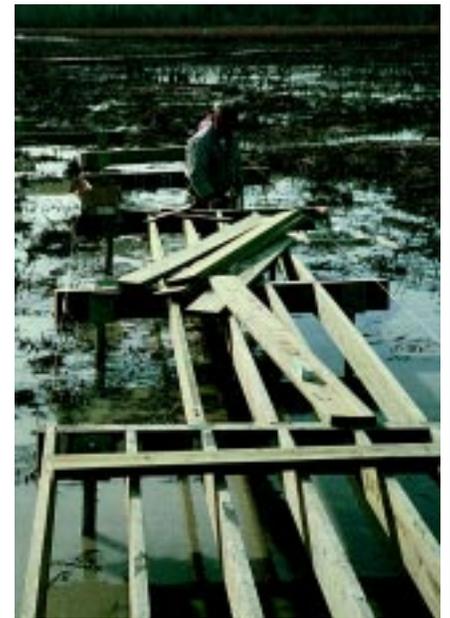
Avon installed the anchors working off specially designed floats.

The INSTANT FOUNDATION anchors (Type SS5 — ¼"-square solid-steel shaft, 10"-dia. helix, hot-dip galvanized) were installed to 7- and 10-ft. depths with average above-grade reveal of 1 to 2 ft. Maximum reveal was 4½ ft.

The anchors were driven to torque of 800 to 1,000 ft.-lb. to provide ultimate capacity of 8 to 10 kips per anchor. Design load varied from 3 to 5 kips.

More than 600 INSTANT FOUNDATION anchors were installed in this project. The anchors were installed in pairs 4 ft. apart on 10-ft. centers along the trail. A bracket fabricated by the Chance Co. was slipped onto the anchor shaft to accept a 6-ft.-long crossbeam (4" x 10").

Metal framing brackets were nailed to the crossbeam and 10-ft.-long 2 x 10s were nailed to them. Then 2 x 6s were nailed across to provide the boardwalk surface. The project took six months to complete.



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NOTE: Because Hubbell has a policy of continuous product improvement, we reserve the right to change design and specifications without notice.

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