

# Case History for Helical Piers – Red Tail Hawk Boardwalk Aurora, Colorado



Park Range Construction was awarded the contract to install 74 helical piers for a new boardwalk for the City of Aurora Parks and Open Space.

The scope of repair included: **Tubular helical piers** with a 10"x12" helice configuration to provide more lateral support in soft soils. Once installed, piers were measured and cut to specified heights. **Brackets** were installed and bridge crew attached to beams.

The water table was very high creating swamp-like conditions. Park Range used **Mud Mats** to provide workable area to drive tractor and install piers.



## PROJECT SUMMARY

<b>Client:</b>	City of Aurora Park & Open Space
<b>General Contractor:</b>	Designscapes Colorado
<b>Engineer:</b>	Hunter Engineering
<b>Product Installed:</b>	EXP 2-7/8" Tubular Helical Piers
<b>Average Depth</b>	21LF
<b>Working Load</b>	15 Kips
<b>Factor of Safety</b>	2- Installation to 37 Kips

  
**PARK RANGE**  
CONSTRUCTION, INC.

2755 South Raritan Street, Englewood, CO 80110

T: (303) 781-8936 F: (303) 781-8409 info@parkrangeconstruction.com

www.parkrangeconstruction.com