



EXCAVATION & CONSTRUCTION

DEROMEDI FAMILY BRIDGE & TRAIL

PROBLEM

Construction of a 120-foot pedestrian footbridge and two miles of trails was needed over an environmentally sensitive preserve with soft soil, sloping ravines, and dynamic water flow – without impacting the surrounding wetlands or foliage.

SOLUTION

- » As the project's general contractor, JKC worked with the construction company, bridge erectors, engineers, and landscaping subcontractors to ensure timely completion without disturbance to the natural habitat
- » GPS positioning and timber wood matting helped ensure the safe movement of heavy equipment across nearly a mile of dense old-growth forest with clearance as little as four inches in some places
- » 12-foot deep concrete footing and stone backfilled abutment wall created stable foundation for the pedestrian suspension bridge

IMPACT

Minimized environmental disturbance with maximized structural stability and enhanced public access to the 61-acre preserve.

Awarded the American Council of Engineering Companies of Illinois' 2024 Engineering Excellence Honor Award and Judges' Choice Award for Small Projects.

DETAILS

WORK

Earthwork, landscaping and structural excavation for a 120-foot pedestrian footbridge, two miles of surrounding boardwalk and stone foot trails within 61-acre nature preserve

LOCATION

No-Name Ravine, Jean and John Greene Nature Preserve, Lake Forest, IL

BUDGET

\$2.45 Million

OWNER

Lake Forest Open Lands Association

GENERAL CONTRACTOR

John Keno & Co.

