LOCAL CONTRACTOR, EXPANSIVE REACH

With a strong local presence, access to a vast network of resources throughout North America and a focus on self-performing work, Kiewit can mobilize skilled craft and specialty equipment anywhere.
Keeping safety at the forefront, Kiewit Foundations Co. builds complex foundation projects across North America. We deliver creative, cost-efficient solutions that are responsive to each project’s specific site conditions. We specialize in drilled shafts, secant pile shafts, slurry/cut-off walls, augered cast-in-place piles, displacement piles, stone columns, soil mixing, vibro compaction, and other ground improvement techniques.

We perform these operations with our fleet of specialty equipment and the management resources of one of the top builders in the country.

WHAT SETS KIEWIT FOUNDATIONS CO. APART?

- Safety record: recordable free in 2016-2017
- Innovative solutions
- Depth of expertise
- Specialty equipment
- Self-performance

SELF-PERFORMING
our work allows for RELIABLE budget and schedule forecasts.
OUR SERVICES

CUT-OFF WALL
Self-hardening seepage control for dams and levees
Temporary and permanent water-tight enclosures

STRUCTURAL SLURRY WALL
Tunnel shafts
Building foundations
Open-cut excavation support

DRILLED SHAFTS
Drilled shafts
Bridges | Structures | Transmission
Deep drop/vent shafts for tunnels
Secant pile shafts

GROUND IMPROVEMENTS
CFA/ACIP piles
Displacement piles
Grout/concrete columns
Non-vibratory stone columns
Vibratory stone columns
Vibro compaction
Grouting
Soil mixing/CSM
Vibroflotation
Whether clients need to control ground water seepage in an excavated area or prevent seepage in dams, we’ll provide the cut-off wall execution to deliver high-quality, water-tight solutions for any water control need.

- **Self-hardening seepage control for dams and levees**
- **Temporary and permanent water-tight enclosures**

### Projects

- **Cannelton Hydroelectric Cofferdam Cut-off Wall, Kentucky**
  421,235 square feet of self-hardening cement bentonite cut-off wall as part of a dewatered and excavated cofferdam.

- **Dry Dock Bund Wall for Gravity Based Structure, Newfoundland**
  950-linear-foot cut-off wall in the core of the dry dock bund wall for water-tight graving dock.

- **Metro PAR 1085 Project, Colorado**
  64,000-square-foot sheet pile and cement bentonite cut-off wall to eliminate deep excavation seepage.

- **Gulf Intracoastal Water Way West Closure Project, Louisiana**
  Slurry-trench for an 85,000-square-foot soil bentonite slurry cut-off wall along the Western Bank & Vicinity (WBV) levee.

- **Lower Mattagami River Project, Ontario**
  5,050-square-foot cut-off wall to support construction to repair and replace four hydroelectric generating stations.
Clients working in soft earth near open water or with a high ground water table come to Kiewit because of our in-depth slurry wall expertise. Regardless of location — rural or urban — we have the necessary knowledge and experience needed to construct any slurry wall solution.
Deep Rock Tunnel Connector, Indiana | Cement bentonite soldier pile application for three open cut excavations totaling 69,400 square feet

Harbor Siphon Slurry Wall, New York | Excavation, reinforcement and concrete for a slurry wall as part of two launch shafts for a tunnel

Brooklyn Shaft Slurry Wall, New York | Structural slurry wall for a 24-foot-diameter receiving shaft at a depth of 155 feet

Canton Lake, Oklahoma | Installed 13 panels, 60 to 67 feet deep to construct 16,312 square feet of reinforced slurry wall for the United States Army Corps of Engineers
Kiewit’s drilled shaft experience runs deep and wide. Clients with infrastructure needs where large loads and lateral resistance are major factors rely on Kiewit because of our drilled shaft capabilities.
Union Port Bridge Replacement, New York | Foundations for a bascule bridge replacement including more than 25,000 vertical feet to install secant piles, 34 drilled shafts, 27 low-overhead clearance shafts and 271 displacement piles

PSE&G Susquehanna-Roseland Transmission Line, New Jersey and Pennsylvania | 145-mile transmission line requiring installation of large diameter reinforced concrete drilled shaft foundations

Goethals Bridge, New York and New Jersey | New, six-lane 7,307-foot-long cable-stayed bridge with 138-foot navigational clearance, founded on marine- and land-based drilled shafts

Farrington and Kamehameha Guideways, Hawaii | 3.1-mile elevated guideway founded on 400 7- to 8-foot-diameter drilled shafts up to 150 feet deep

Maline Creek, Missouri | Nine blind bore drop and vent shafts ranging from 6 to 11 feet in diameter and up to 160 feet from grade, primarily in rock, utilizing reverse circulation cluster drill

Dulles Silver Line, Virginia | 179 72-inch-diameter shafts for the elevated guideway, 9,306 square feet of 4-inch-diameter secant pile retaining wall and 49 3- to 4-foot-diameter pedestrian bridge shafts

Commercial Point, Massachusetts | 231 36- and 42-inch-diameter drilled shafts for dike wall attenuation in an active LNG vaporization facility
When it comes to ground improvements, we are experienced executors in a wide array of techniques to increase bearing capacity and ground strength, reduce settlement and increase liquefaction resistance of soils.

- **CFA/ACIP piles**
- **Displacement piles**
- **Grout/concrete columns**
- **Non-vibratory stone columns**
- **Vibratory stone columns**
- **Vibro compaction**
- **Stone columns**
- **Grouting**
- **Soil mixing/CSM**
- **Vibroflotation**

**Cannelton Hydroelectric Cofferdam Vibroflotation, Kentucky**

- **Kiewit Pacific Junction Yard, Iowa** | Installation of 22 34-inch stone columns to a depth of 25 feet; Piles were installed for the performance of three full-scale load tests for non-vibratory stone columns

**Midtown Tunnel, Virginia** | 1,221 vibrocompaction columns along the future pre-cast tunnel segment alignment

**Dry Dock Bund Wall for Gravity Based Structure, Newfoundland** | Vibroflotation of hydraulically placed material to allow for cut-off wall construction
Kiewit Offshore Yard, Texas | ACIP piles for future expansion of operations and drilling/service platforms; 168 24-inch ACIP piles at 63 feet deep with reinforcement in top 20 feet of pile; Performed four load test piles in compression.

Huntington/Los Alamitos, California | Design-build ACIP, over 3,500 18- to 24-inch columns plus 5,000 18-inch grouted inclusions for two future power generation sites with 31 piles tested in compression, laterally, and in tension; 132,000 square feet cutter soil mix (CSM) panels varying from 23 to 67 feet long, 3 feet wide at a depth of 26 feet.
Tappanzee Bridge, New York | 24 4-foot-diameter hard rock shafts for the Westchester Landing approach abutment and pier.

Canton Lake, Oklahoma | Installed 13 panels, 60 to 67 feet deep to construct 16,312 square feet of reinforced slurry wall for the United States Army Corps of Engineers.