



Case History

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www.helitechonline.com
info@helitechonline.com
800-246-9721

**Specializing in:
Deep Foundations
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Problem:

The Maumee River Bridge Project in Toledo, Ohio, which carries Interstate 80 traffic, needed temporary shoring in a timely manner so there would not be down time in drilling the bridge supports for the Maumee River Bridge Structure.

Solution:

Helitech installed a soil screw earth retention wall. The wall was approximately 20' tall by 800' long. The soil screw earth retention wall is a gravity wall design that reinforces the soil mass behind the shotcrete facing. The installation is a top-down method. Excavation is done in 5'-0" to 6'-0" lifts. After the excavation of each lift, the screws are installed at 4'-0" to 6'-0" o.c., reinforcement and a drainage system is placed. Then a 3" - 4" shotcrete face is applied.

Resolution:

Helitech's soil screw earth retention wall was an economical solution to the project. In addition, Helitech was able to finish (3) three weeks ahead of schedule.



Helitech Memberships:

