

Case History



Problem:
The Metro Link Transit System was expanding its Missouri route to include Manchester, Clayton, Kirkwood and Webster Groves areas. During this process a hillside cut back into a vertical position was required to enable concrete to be installed for track placement and to help prevent slope failure onto the tracks.

Solution:
Helitech® made necessary modifications to the hillside utilizing the shotcrete shoring system. This involved excavating the embankment in 5 to 6 foot vertical cuts. The process was broken into multiple tiers working from top to bottom, allowing construction on one tier at a time, insuring that each tier wall was installed correctly. A. B. Chance soil screws were installed horizontally into the soil for soil stabilization first, then Hydroway® drainage system was placed behind and adjacent to the wall, Helitech® then applied a four inch thick layer of concrete across the wall face to prevent soil from sloughing and being exposed to the elements.

Resolution:
Helitech® completed the shoring, allowing Metro Link to pour a permanent concrete retaining wall and install the tracks. Helitech® offered an effective solution to retain the soil during the excavation activities for this project.

**Cutting Edge
Technology &
Unparalleled
Performance**

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

**Specializing in:
Deep Foundations
Shoring Systems
Micro Piles**



Helitech Memberships:

