

Subsurface Constructors

Deep Foundation

Merchants Bridge



Deep foundation work with augercast piles on essential metropolitan bridge project

Terminal Railroad completed the replacement of the western approach to the iconic Merchants Bridge, which allows trains to roar across the Mississippi River from Illinois into St. Louis, Missouri. To complete the project, Terminal Railroad enlisted Subsurface Constructors to install about 550 [augercast piles](#) covered with a load-transfer platform to support mechanically stabilized earth (MSE) walls. Those walls, backfilled with cellular lightweight fill, are used to support the new rail, making the existing structure obsolete. Subsurface also installed micropile and low-overhead drilled shafts to support utility bridges and a vehicular underpass, respectively.

Project details:

Owner: Technical Railroad

Services Provided: Deep foundation

Year: 2017

Location: St. Louis, Missouri