



BERNER CONSTRUCTION, INCORPORATED PROJECT SUMMARY

Project Title: Race Street Test Pits

Location: Baltimore, PA

Scope: Provide labor, tools, equipment, and materials to perform test pit excavations at 4 different locations at the Race Street Site located in Baltimore, MD.

Berner Construction was awarded a contract from CH2M Hill for test pit excavations and related services at the Race Street Site located in Baltimore, MD. Berner assisted CH2M Hill in the excavation of test pits so that instrumentation could be installed to monitor movement of the Interstate 95 bridge piers. The project includes test pit excavation, shoring, dewatering and backfilling four test pits with flowable fill, clay and graded aggregate. Additionally, Berner sawcut and removed a narrow trench of asphalt approximately 300 feet long by 1.5 inches wide to allow the installation of instrument cable for the sensors.



Excavating Test Pit

Berner sawcut and removed four (4) new test pits and of one (1) existing test pit to remove damaged asphalt. The asphalt and base material not contaminated was removed by Berner for off-site recycle.

The test pits were approximately 4 feet by 8 feet and 8 feet deep. Berner placed plastic sheeting in the area surrounding the test pits to catch excavated materials that may fall from the excavator bucket. Berner conducted excavation in Level C PPE.

Berner used shoring the test pits by the installation of an aluminum mod box in the test

pit to allow entry into the excavated area. Two test pits were shored at one time so that geotechnical testing and/or equipment installation could occur simultaneously.

Berner placed flowable fill to 21 inches of the finished surface. Berner placed and vibrated the flowable fill, as necessary, to fill beneath the exposed pile cap. Berner then placed, compacted and tested clay material. Geotextile fabric and ten inches of graded aggregate base were placed over the clay.

Berner excavated the existing test pit, approximately 6 feet by 12 feet, to replace the failed asphalt section to a depth of approximately one to two feet into the underlying material. The base material and fill material were then placed back into the excavation.



Backfilling Test Pit with Flowable Fill