

Parking Lot Renovation and Structural Design of a Steel Reinforced Retaining Wall



Design Data

Owner

Advance Publications

Location

Express Times
Easton, PA

Total Project Cost

\$245,750.00



PCI evaluated the condition of an existing wall separating two levels of a parking lot. The existing wall was not designed to be a retaining wall and was failing. The result of the investigation lead to the design of a one hundred seven feet long stand alone steel reinforced concrete retaining wall to support the upper level parking and travel lane. The project included site work for grading and new asphalt paving, guardrail and protective fencing.

The existing wall was demolished in sections to guard against failure of the parking lot above. The new wall was a pour seventeen high and completed in sections as well. The parking lot was resurfaced complete with new drainage, sub-base and wearing course. Utilities and power supply for and existing security gate where all newly replaced.

PCI completed the construction administration for the project. We inspected the steel and concrete pours and oversaw the quality of concrete work through slump testing and compression cylinders.

PCI

Professional Consulting, Inc.

Consulting Engineers