



## Project: University of Iowa

### *Pier Reinforcement*



Location: Iowa City, IA



#### Description of Work



The new Arts Building on the University of Iowa campus incorporated a cantilevered structure over a man-made pond. The main support for the cantilever is a slender concrete pier that was exhibiting early cracking at the top bearing location. The cracks were caused by poor detailing of the horizontal rebar ties.



The carbon-based Tyfo<sup>®</sup> SCH-41 Composite System was utilized to provide the proper confinement strength to the top of the pier and prevented further cracking. The application was concurrent with construction of the cantilever structure and no stoppage of work was required. The installed Tyfo<sup>®</sup> SCH-41 Composite System was then painted to match the aesthetics of the structure.

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