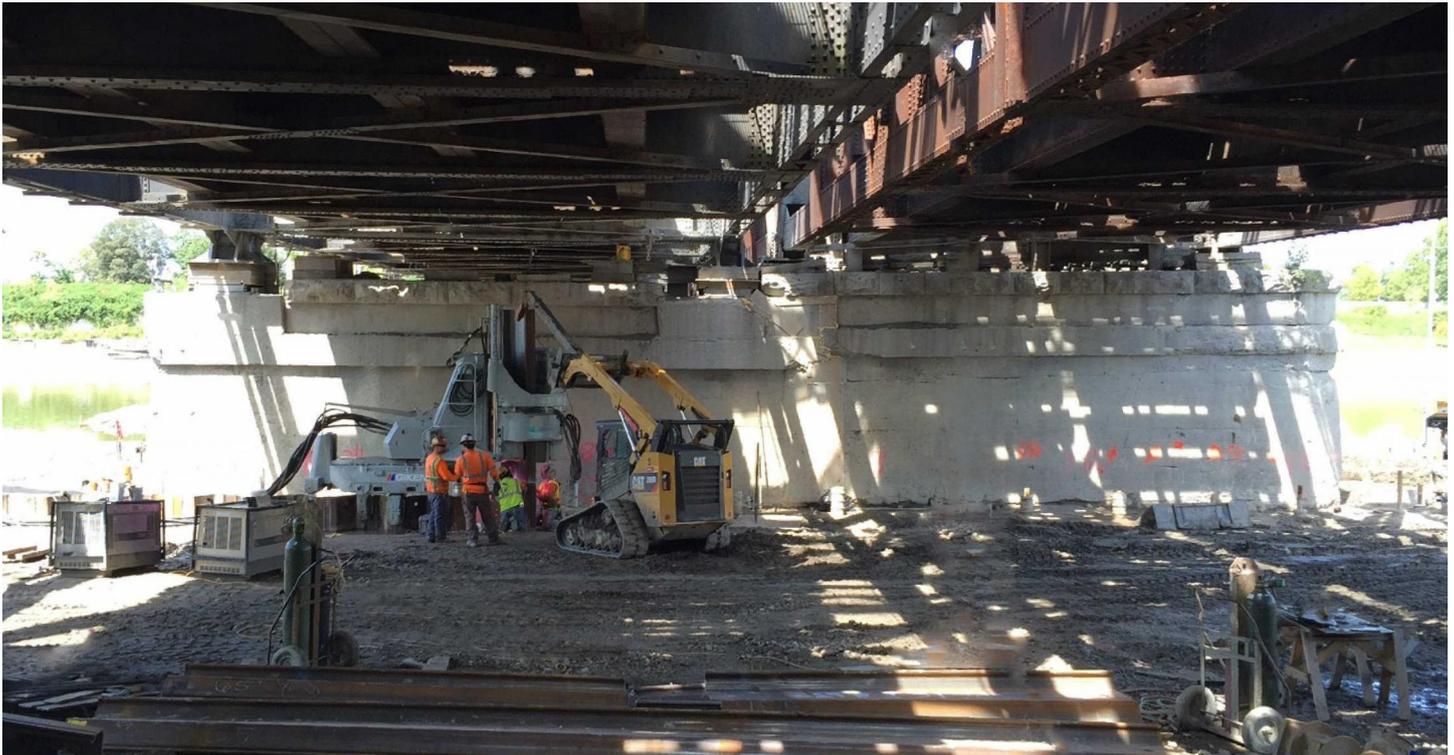


CSX Bridge Concrete Pier Repair



Z Sheet Pile Press-in Method Overhead Clearance Method Rail Safe Method



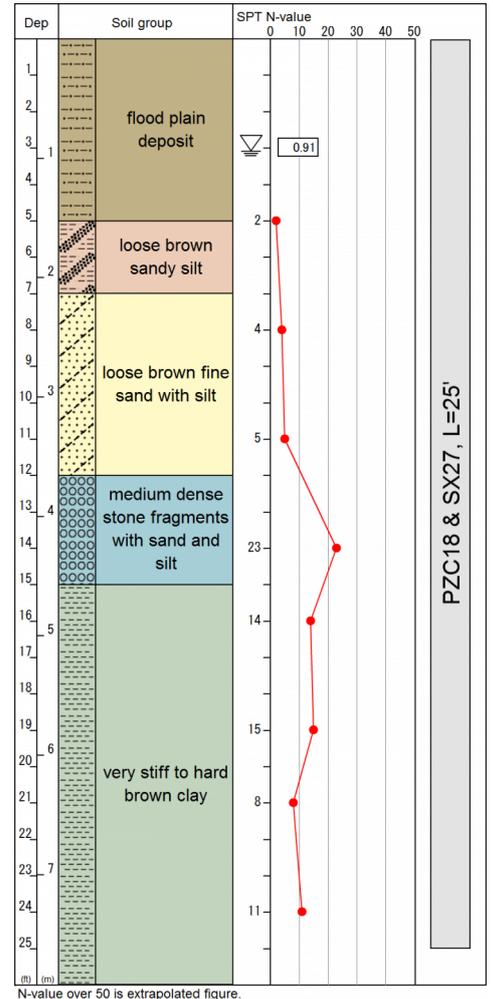
Sheet Pile Installation



Spliced Pile Welding



After Excavation



Project Name	CSX Bridge Concrete Pier Repair
Purpose of Project	Concrete Pier Repair
Location	UNITED STATES
Employer	CSX
Main Contractor	Richard Goettle, Inc.
Piling Contractor	Zefiro Corporation
Duration	April 2015 to August 2015
Press-in Machinery	SCZ675SMG, UP150
Pile Section & Length	PZC18, L=25' & SX27, L=25'
Features & Remarks	The Press-in Pile Driving Method was utilized for this emergency bridge pier repair on the Scioto River in Columbus, OH since conventional pile driving equipment may have caused more damage to the actively sinking bridge pier. In addition, the smallest Giken Silent Piler in the U.S. was used for this project due to the project's limited vertical clearance. Piling work proceeded on a 24-hour basis due to the Silent Piler's non-vibratory and minimal noise characteristics. The Silent Piler's power pack was able to elude the river's increasing and decreasing water levels during its 24-hour operation since the power pack is remote-controlled and equipped with a crawler.



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