



Construction Engineering

• MOBILE/CRAWLER/TOWER CRANE & DERRICK INSTALLATION AND PICK PLANS • RIGGING DESIGN • HEAVY LIFTING, JACKING & SLIDING • CRIBBING & LOAD DISTRIBUTION SOLUTIONS • CONSTRUCTION SEQUENCING & DEMOLITION/ERECTION PLANS • TEMPORARY SHORING & BRACING • SUPPORT OF EXCAVATION

McLaren specializes in bringing innovative and practical solutions to our clients in the construction industry.

From bridges and buildings to specialty structures and projects, McLaren's team has the expertise and experience to support all of your crane and construction engineering needs.

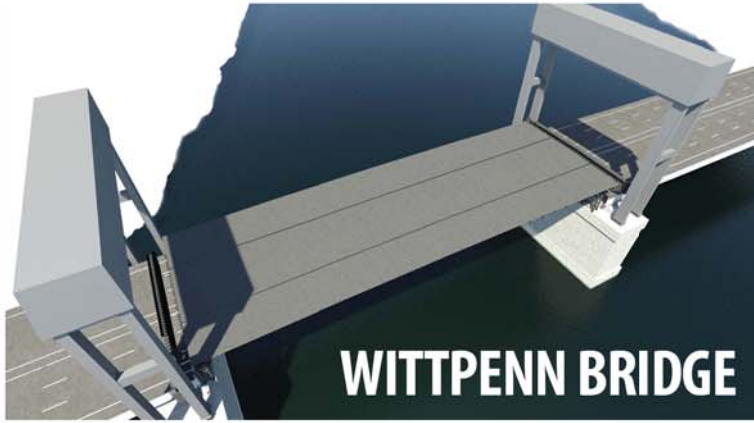
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Construction Engineering



Erection engineering and sequencing for the 2,440-ton main span, comprised of triple steel box girders with integrated orthotropic steel deck, and permanent lift span towers and counterweight.



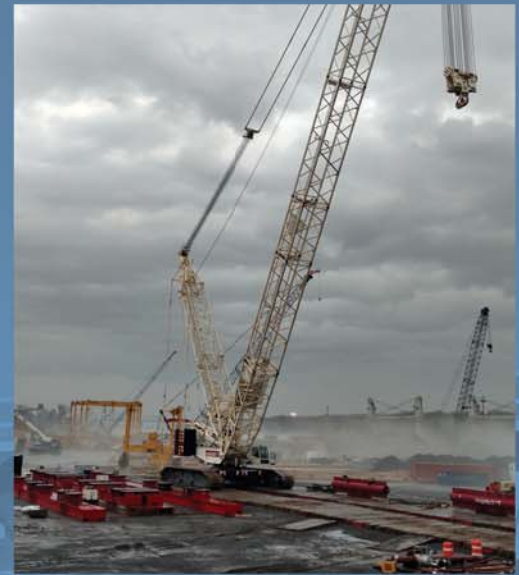
LIE/GCP INTERCHANGE

Steel erection plans for the Long Island Expressway & Grand Central Parkway Interchange. Pick plans utilized tandem 250-ton Liebherr Cranes to pick the 100+ ft girders, with minimal lane closures and work windows.



PULASKI SKYWAY

Demolition and erection engineering/sequencing for 3.5 miles of bridge deck replacement and steel repairs. McLaren's condition assessments, innovative temporary bracing solutions and alternative equipment options, resulted in around-the-clock work windows, increased productivity and reduced construction costs.



HRSG GE GENERATOR

Temporary steel mat foundation design for the erection of a 9,000k General Electric power plant generator. The temporary foundation included over 40 jacking points to allow for the alignment and fit-up of the 10 modules, as well as the monitoring of settlement throughout the duration of construction.

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