



Case Study

STEEL PILE REMOVAL –
BROADWAY BRIDGE PILES

MACTECH
SUBSEA MACHINING SOLUTIONS
OFFSHORE

Project Description



The client had recently completed a bridge project entailing building spans of the new bridge on steel piles driven into the river bottom. Once the new spans were completed the old bridge was demolished, the new spans were loaded on a barge, floated to the new bridge footing, and lifted on to the new footings.

Once the spans were in place, the client needed to remove the 19 steel piles that held the new spans during construction. The piles were 48 and 60 inches OD with 7/8 inch wall thickness.



Mactech Offshore utilized our ID Sever Machine to cut and remove piles without the need for divers.

Mactech's Role in the Project



Mactech provided our 33-60 inch ID sever machine to cut piles 15 feet below the river bed.

Mactech's Value Added to the Project



With record rains in the area, the river was running very high and the current made it difficult to work in the river using conventional methods. Mactech's machine enabled the client to cut and remove piles without the need to use divers for dredging and torch cutting.

Alternative Methods Considered

..... Diving was considered but ultimately deemed unsafe.



Job site before removal of 19 steel piles.

Steps to Job Completion

- Client contacted Mactech in February to discuss the possibility of using our equipment for the final phase of the project
- Mobilized in March
- Cutting of 19 piles completed in four days
- Average cut time: 60 minutes



ID Sever Machine being deployed.

Results

- The customer was very pleased with the tool and the cutting.
- Going forward, the client has an alternative to using divers for the removal of piles.



HPU and hose reel on the job site.



WHO IS MACTECH ON-SITE?

The leading global provider of machining tools, technologies and on-site solutions for the industrial machining industry.

WE DEVELOP

tools AND technicians tailored to meet the needs of the industry

WE ARE

adaptable for *any* circumstance

WE FOLLOW

a “Solutions” approach

WE CREATE

quality, reliability, innovation



EXPERIENCE

40+ Years of Experience in a variety of advanced industrial situations



EQUIPMENT

OEM of equipment Well maintained inventory



RESPONSIVENESS

24/7 - 365 Support Systems and processes adaptable to customer



TECHNICIANS

Talented techs with a wide array of field machining experience



TOOLING

Tooling and equipment can be customized for a specific job quickly





TRAVEL


Worldwide support Experienced Traveling Technicians


MACTECH LOCATIONS

For more information on contacting your nearest sales agent,
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HEADQUARTERS 
MACTECH
ON-SITE MACHINING SOLUTIONS
Mactech, Inc.
Red Wing, MN
1 (800) 328-1488


 Mactech
Norton, OH
1 (330) 794-5971


 Mactech
Paducah, KY
1 (270) 442-1559

 **MACTECH OFFSHORE**
Broussard, LA
1 (337) 839-2793

Australia

 Mactech
Perth, AUS
61 (08) 9455-6677

 Mactech
Brisbane, AUS
61 (439) 963-707

 Mactech
Melbourne, AUS
61 (03) 9761-8448

PHONE:
1-800-328-1488

EMAIL:
info@mactechonsite.com

WEB:
www.mactechonsite.com

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