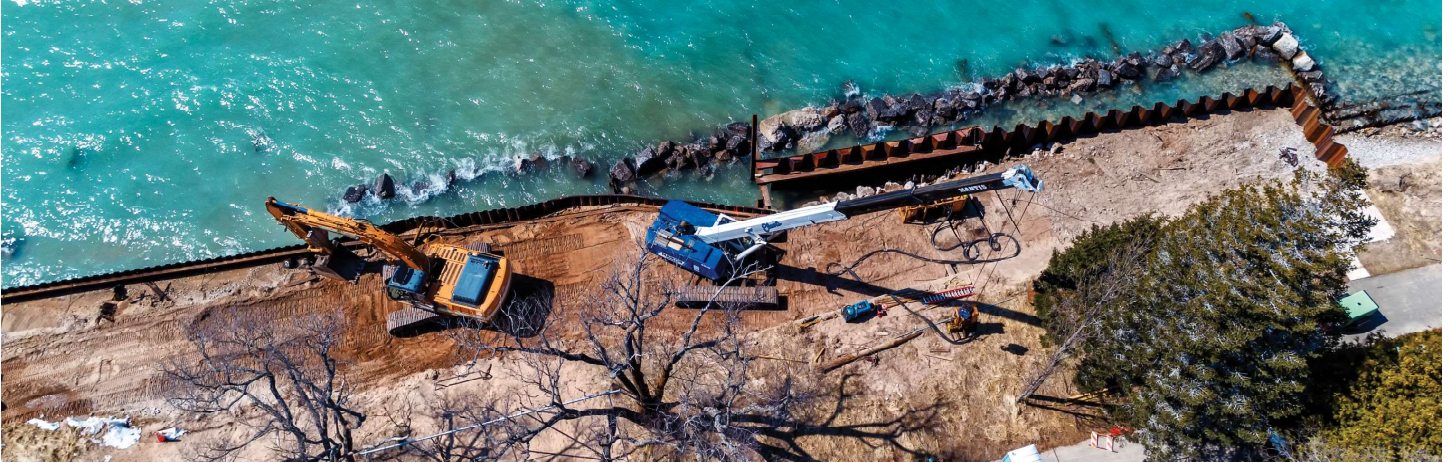


# TEAM ELMER'S PROJECT PROFILE | Camp Arcadia



**CHALLENGE:** weather (waves and wind)

**SOLUTION:** Water front deck

**OWNER:** Lutheran Camp Association

**CONTRACT AMOUNT:** \$591,800

**DESIGN ENGINEER:** Smithgroup JJR

**ENGINEER CONTACT:** 9

**LOCATION:** Arcadia, Michigan

**DATE STARTED:** June 2018

**DATE COMPLETED:** Phase 1: July 2018 Phase 2: May 2019

**SELF-PERFORMED:** Stone and Sheet piling

**SUB CONTRACTORS:** Bella Concrete and Spence Brothers

## BY THE NUMBERS

Stone: 5,000 ton

Sheet Piling: 250 feet

Concrete: 7,392 feet

Aggregate Base: 42,463 square yards

HMA: 20,920 tons

Curb & Gutter: 5,889 feet

Pavement Marking: 86,153 feet

Depth of old concrete road: 6 inches to 6 feet under old asphalt

**Team Elmer's** headed out to camp, creating a new face lift for Camp Arcadia's waterfront. Camp Arcadia is located in Northwest Michigan on the sandy shores of Lake Michigan. Team Elmer's worked on 780ft of their shoreline and installed 5,000 ton of stone 6ft below water level. They also installed sheet piling which was placed 250ft in front of the deck.

The crew faced weather complications, such as high winds, causing waves to disrupt their work environment. There was also very limited access for trucks to enter the job site. Team Elmer's subcontracted the concrete finish work out to Bella

Concrete. Bella Concrete poured the concrete for the red cross right in front of the Camp's main building, Wigwam. The wood decking, stairs, and platform were done by Spence Brothers. Team Elmer's provided site grading, demolition, restoration, seat rocks, sidewalk prep and installation, the wood deck, handrail fire cooking grate, and surveying.

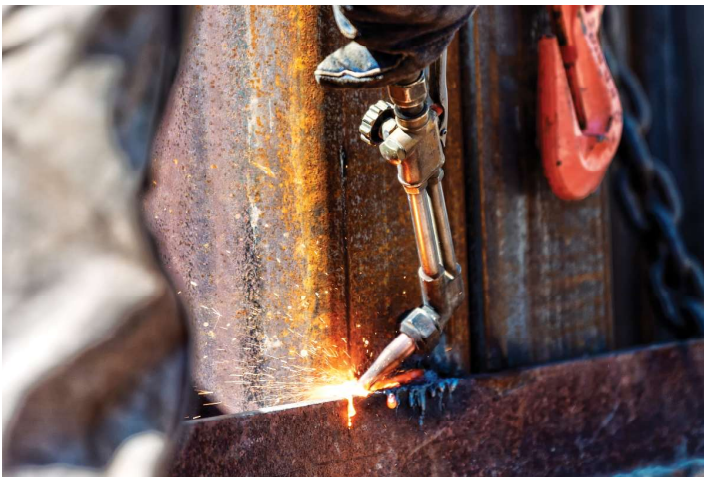
The project was completed in two phases, each completed on time. Camp Arcadia is ready for campers and guests to enjoy their new waterfront.

# TEAM ELMER'S PROJECT PROFILE | Camp Arcadia



"Thank you so much for all your efforts during this project. With your leadership, your team helped to sustain Camp Arcadia for generations to come. Through all the roadblocks of bad weather, load restrictions, and a late permit, you and your crew got things done and we couldn't be happier with the result. We still have a long way to go, but Camp's building and grounds are protected and functional for this season. Our future efforts together will really make this project stand out more than it ever has. Thanks again for all you did for this camp and the community that surrounds it."

— Rachel, Franco, Chip, Leah, Andrew, Jess, Joe, & Ryan  
*Camp Arcadia Team*



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TeamElmers.com