



BRAKE MODERNIZATION 350 TON CHARGE CRANE

A reliable bridge brake system.

The customer had hydraulic bridge brakes that were unreliable and difficult to maintain. They then had a safety incident where the crane lost power while moving, and the operator had no means of braking because the hydraulic braking system failed. Simmers provided and installed a new bridge braking system that provides the reliability of hard-wired connections, while keeping the operational flexibility of a hydraulic braking system. The system utilizes a brake pedal in the cab to be used during regular operation, and the brakes automatically set if the crane were to lose power.



Buffalo, NY – Chicago, IL – Cleveland, OH – Erie, PA – Ft. Worth, TX
Milwaukee, WI – Rock Island, IL – Salem, OH – Detroit, MI

**Unreliable hydraulic
bridge brakes
eventually cause
uncontrollable crane**

**Replaced hydraulic
brakes with thruster
brakes**

**Vertical thruster
brake design to
preserve space on
footwalk for
maintenance
personnel**

**Brake pedal in cab for
regular operation and
brakes set
automatically if power
is ever lost**

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