



## NEWS RELEASE

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FOR IMMEDIATE RELEASE

### **Thern Power Winches Meet Bridge Construction Needs**

March ##, 2010, Winona, MN. – Thern delivers dependable performance for heavy construction projects. High quality products combined with Therns' ability to meet unique customer requirements results in ideal and innovative solutions.

In a recent bridge construction project, a work crew required a method to accurately and securely position concrete formwork. The contractor's primary concern was keeping these large concrete forms level during positioning. Thern provided the solution: six winch systems configured for simultaneous operation to concurrently lower the formwork while keeping them level during the move.

These winch units were custom built to user specifications to provide the accurate control needed for the operation. Designed for two-part rigging, each winch provided 30,000 lb load capacity and 100 feet of travel. Crews enjoyed the high level of load control afforded by the economical helical-spur gear sets of these Thern winches, and to facilitate simultaneous operation, all six winches were controlled by a single 460 volt, 3-phase, variable frequency drive control system, eliminating the hassle of controlling multiple units individually.

The crew positioned the winches on pre-made sleds located above the concrete deck. Using a system of directional sheaves, they connected the winches to the forms below and carefully lowered it via six-point rigging back to the ground. Winch brakemotors maintained constant positive load control during the operation providing maximum load security. The operation was a success due to the versatility, reliability and performance of Thern power winches tailored specifically to the needs of the project.

Thern custom built solutions can accommodate a broad range of special requirements for your load handling applications. For more information on Thern winches in construction applications, visit [www.thern.com](http://www.thern.com) to learn how Thern products can work for you.

Thern, Inc. is a major designer and manufacturer of winches, cranes and hoists for a broad range of industrial and construction applications. Founded in 1948, Thern is headquartered in Winona, MN and markets its products worldwide. Learn more about Thern products at [www.thern.com](http://www.thern.com) or contact us via email at [info@thern.com](mailto:info@thern.com) or call 1-800-843-7648.

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