



LOCATION

Rake, IA

DATE OF WORK

July 2019

PROJECT

B-13654

*Transformers from port of entry to foundation*



HLI railed two 195,032 Lb. units 1,313 miles from Laredo, TX to a rail siding in Rake, IA. After arriving at the rail siding, the transformers had to be offloaded from their heavy-duty railcars to an over the road transport system to be delivered to the substation. The most efficient method of offloading the transformers for this project, and then loading them onto awaiting transporters was by using Gantry equipment. After inspecting the transformers, they were lifted using the gantry and placed on to transporters. The Gantry equipment had to be assembled and disassembled a number of times during the various stages of this move and installation.

Once at the substation, the Gantry was setup again, then the first transporter was pulled under it. Transformer number one was then lifted from its trailer and set onto its temporary pad. HLI's crew repeated the procedure for the second unit. For the final installation of the units, it was necessary to implement the jack and slide method, in order to efficiently slide the two units onto their permanent pads. Finally, the transformers accessories were unloaded and placed at the direction of the customer.