

CASE STUDY

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BNSF Logistics Moves 844,000 Pound Transformer

Company Profile

American multi-national conglomerate organization.

Business Challenge

The customer needed transportation and engineering services to move a 844,000 pound transformer from arrival in Port of New Orleans to the generating station, and proper placement of the equipment onto the foundation. The power plant was uniquely situated on a county line, which made permitting and transportation logistics a challenge.

Solution

BNSF Logistics and Edwards engineering teams worked closely with county authorities, the neighboring counties affected by the transport, and state DOT to understand their concerns and issues. All parties worked together to develop a safe work plan that ensured the safety of cargo, equipment, employees and third parties along the route and on site.

Process/Procedure

BNSF Logistics placed a barge at the Port of New Orleans, provided engineering and sea fastening calculations to securely load and lash the transformer to the barge, arranged for the barge transport to a suitable landing in the vicinity, and discharged from the deck barge in Ro/Ro operation. Extensive road surveys and bridge engineering reviews were made by the BNSF Logistics and Edwards teams. Together, the teams presented a detailed transportation plan to the authorities to move the heavy haul items on the narrow county roads, which were not constructed to U.S. DOT standards.

The extensive legwork and detailed findings led to an approval of the route by governing agencies from a local barge landing to the job site. Transportation also required the mobilization and utilization of 120-foot bridge jumpers to avoid damage to the existing infrastructure. The client was pleased with the detailed planning and full execution of the project.

Benefits Achieved

- This solution minimized environmental impacts such as pollution and emissions
- A zero-error strategy was set in all aspects of QHSE through compliance
- This was an on-time and on-budget solution for the customer

