



Cement Terminal Storage and Loadout System

CLIENT - Kinder Morgan - Dakota Bulk Terminals

LOCATION - St. Paul, MN

COMPLETED - 2004

DESCRIPTION

Matrix PDM provided economic feasibility analysis, conceptual, preliminary and final engineering, and construction management for the \$19 million cement terminal at Kinder Morgan's Dakota Bulk Terminal in St. Paul, Minn.

The nine acre terminal has seven welded steel silos, with total storage capacity of 23,900 tons and can handle 400,000 tons of cement each year.

PRINCIPAL FEATURES

- 23,900 ton storage capacity
- 400,000 tons of cement handling a year
- Seven welded steel silos
- Pneumatic barge unloading within four hours
- Four truck simultaneous loadout station with automated batch loading
- Automated truck loading capability
- State of the art complete Ethernet system with ControlLogix systems
- Rail loadout station capable of unloading rail cars in 20 minutes
- Rail layout and track design for 2,800 LF including two switches, rail unloading pit, drainage improvements, utility relocation, terminal road crossing, signalization, and coordination with the rail operator

FOR MORE INFORMATION:

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