

Project Summary

Barge Terminal 1 – Bulk Silo LLC Improvements



Location

The Barge Terminal 1 (BT1) facility is located on the left descending bank of the Mississippi River, near the intersection of Childs Road and Warner Road, in St. Paul, Ramsey County, Minnesota. The Saint Paul Port Authority owns the BT1 facility and leases the land to multiple businesses. The area leased by Bulk Silo LLC is located at 2145 Childs Road, which is centered at the approximate coordinates of 44°55'58.01"N, 93°02'49.96"W, within the NW ¼ of Section 09, Township 28N, Range 22W.

Existing Operations

The Bulk Silos facility at BT1 handles bulk cementitious materials such as Portland cement, ground granulated blast furnace slag, and fly ash. Inbound tonnage is received by rail and truck. No waterborne tonnage is currently received on site. Inbound materials are transferred into onsite bulk storage silos and subsequently loaded onto trucks and delivered to facilities and construction sites around the region.

Proposed Project Details

Barge Receiving System (Waterside Elements)

The proposed waterside elements of the project include: modification of the existing river cell; installation of two new mooring dolphins, seven new marine piles, and a new concrete platform supported by the new piles and the existing river cell; and commissioning of a new dock crane, a new barge haul system, and pneumatic barge unloader.

Material Storage and Transfer System Improvements (Landside Elements)

The proposed landside elements of the project include: the construction of new silos to increase the storage of cement onsite; additional facility improvements including structural, electrical, & mechanical system upgrades to support material transfer on site; and safety upgrades to existing walkways and guard rails systems.

Project Need

The proposed project is needed to support the high regional and local demand for cementitious materials. Sources of cementitious material are not readily available and have been a limiting factor in concrete construction in the region. The proposed project will increase the amount of cementitious materials in the marketplace by creating the infrastructure necessary to import bulk materials by barge and increase the tonnage throughput at the facility. The increased storage capacity made possible by this project will also reduce regional vulnerability to shortages of cementitious materials caused by supply chain disruptions.

Project Benefits

The proposed project will provide the following benefits:

- Improve river infrastructure at BT1 and increase river shipping in the Port of St. Paul
- Expand the bulk material storage and transfer capabilities and increase the tonnage throughput capacity at the facility.
- Support the high demand for cementitious materials and reduce vulnerability to material shortages
- Reduce generation of fugitive dust during product transfer and reduce exposure of air pollution for facility employees and neighboring facilities
- Improve cargo-handling safety and provide safer access to silos for inspection and maintenance activities

[Project Funding](#)

- Minnesota Department of Transportation Port Development Assistance Program (\$6.59M)
- Bulk Silo LLC (Balance)

[Project Schedule](#)

Anticipated Construction Start – 2024/2025

[Contact](#)

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