

SHELBURNE TRANSLOAD

CASE STUDY

 **BULK STORAGE
APPLICATIONS**



BUILDING NAME

Shelburne Transload Facility

LOCATION

Shelburne, VT

MARKET SECTOR

Bulk Storage

APPLICATION

Salt Storage

SIZE

**Two buildings, each
141 ft x 360 ft (50,760 sq ft)**

SPECIAL FEATURES

**Hot dip galvanized frames, purlin
caps to prevent salt build-up**

INSTALLATION

Legacy in-house crews



VERMONT RAILWAYS, INC. was looking to develop a new state-of-the-art rail-to-truck transload facility to efficiently handle bulk commodities, primarily road salt, shipped to Vermont by rail. Barrett Trucking, a Vermont-based heavy hauling and trucking company, operates the transload facility that distributes and delivers the road salt throughout Vermont and New Hampshire. The new rail facility in Shelburne, Vermont, is now in operation and has a high-quality reputation for efficient storage and distribution.





To meet its needs, Vermont Railway, Inc. required a fully enclosed building in order to keep the salt protected. Keeping salt in an enclosed building helps protect the environment and maintain the salt quality. Based on their experience with salt and corrosives, Vermont Rail and the staff at Barrett Trucking knew that they needed a non-metal building, and quickly started looking at fabric building options.

“We wanted someone with experience in salt storage,” said Joe Barrett, president of Barrett Trucking. “After looking online, we were impressed with Legacy’s knowledge of salt storage, airflow and galvanizing.”

Vermont Rail ultimately chose a Legacy tension fabric structure and a general contractor for its new transload facility. The contractor and Legacy worked together to establish a timeline for the project, as well as project milestones and parameters to meet construction needs. The first building was erected in September 2016, with the second following in June 2017.

Although the two buildings are identical, they were separate construction projects with their own timelines, budgets and challenges. Legacy’s in-house design team engineered each building to meet the exact specification, which included adherence to building codes, a required capacity and other site-specific requirements. “During the design of building 2

we weren’t sure if the soil would be stable enough to support the building,” said Barrett. “Legacy designed the building so it could be jacked up if needed.” This solution allowed Vermont Rail to continue with transload facility construction and operate the facility to meet demand in the upper Northeast.

“With the airflow in this building, we’ve seen a reduction in the corrosion on the equipment we use in operations and store in the building, as well as in the building itself.”

During construction, Legacy’s professional installation crew made a big impression on Barrett. “Legacy’s work ethic is incredible,” said Barrett. “Our company makes a point of being very neat, and the cleanliness of the railroad site throughout construction showed Legacy really respected that.”

Once the buildings were in place, the benefits were immediately apparent. In addition to providing the required on-site storage capacity, the buildings are providing other benefits. “The salt draws moisture in, and everything corrodes,” said Barrett. “With the airflow in this building, we’ve seen a reduction in corrosion on the equipment we use in operations and store in the building, as well as in the building itself.”