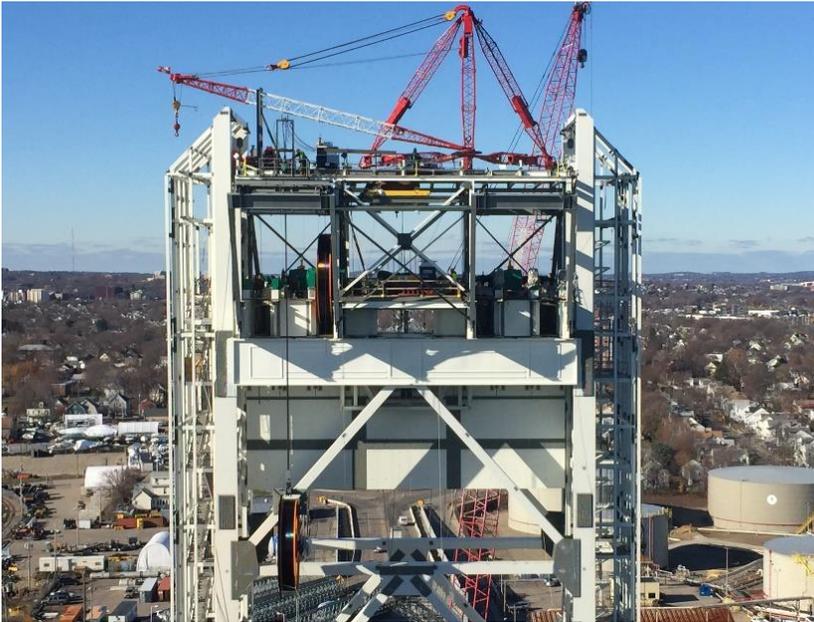


# Fore River Counterweight and Sheave Lifts Quincy, MA and Weymouth, MA



### Description of the Work

The Fore River bridge project will replace the old lift bridge with a taller, wider structure that would allow larger vessels to traverse the channel while reducing impact on bridge traffic. The multi-million dollar project will carry Route 3A, known as Washington Street in Quincy and Bridge Street in Weymouth, over the Fore River. The bridge will consist of two 12-foot eastbound and two 12-foot westbound lanes, a 5-foot bicycle lane in both directions and a sidewalk in both directions.

### Freyssinet/Hebetec Scope

Freyssinet, Inc. was contracted to supply equipment and provide technical assistance throughout the lifting operations of the (2) counterweights and (8) sheaves. The jacks were fixed to the top of the tower structures at predesigned lifting stations. One pump operator was assisted by a team of laborers and surveyors to keep the counterweights horizontal and the sheaves stable as the lifts progressed.

**General Contractor :**

J.F. White – Skanska

**Owner :**

Massachusetts DOT

**Beginning of works :**

October 2015

**End of works :**

February 2016



Weight of counterweight	700 Tons
Lowering distance	135'
Weight of sheave	80 Tons
Lowering distance	250'

### Equipment used

Strand Jack H-140	1 unit
Strand Jack H-400	2 units
PA-4-30 pump	1 unit
PA-4-8 pump	1 unit