

Segment Lifter for San Francisco Oakland Bay Bridge

Self-Launching Erection Device / SLED



A self-launching beam-and-winch system for erecting 800 ton precast segments.

Four hydraulic winches were used, each with a 10-part line, to lift a total of 452 segments. The average lift time was about 20 minutes. After erecting a segment, the SLED was moved to a new lift position using its built-in hydraulic launch system.



Project - San Francisco Oakland Bay Bridge
Year - 2002 - 2005
Type - Segment Lifter
Owner - Caltrans
GC - Kiewit Pacific / FCI / Mansion JV
Client - Schwager Davis Inc.