

New Bar Lifting System without Split Nuts

Lifting Innovation



Developed from scratch - a new and innovative bar lifting system that does not require special fabrication split nuts.

This system was developed in response to the contractor's decision to use a bar lifting system for erecting the extremely wide and flexible form traveler bottom platforms on the new Pearl Harbor Memorial Bridge in New Haven, Connecticut. The system proved very effective and was quickly re-deployed for other jobsite lifting work such as for raising and lowering formwork and falsework. The design was based on off-the-shelf components in conjunction with a special jack chair and related accessories.



Project - Pearl Harbor Memorial Bridge
Location - New Haven, Connecticut
Year - 2011
Type - Equipment Design
Owner - Connecticut DOT
GC - Walsh / PCL JV II