

Raising of Ramp N over I-595 with 10% Lateral Capacity

Avoiding demolition by increasing traffic clearance



Heavy lift engineering, design of shoring towers and lateral system, lifting procedures, onsite assistance.

Weight - 2600 tons
Length - 960 ft
Jacks - 36 (synchronized)
Height - 18 in.
Time - 30 hours



- The Owner declined our offer to lift the bridge by 18 inches in a single stroke
- The bridge was lifted in 1 in. increments over a 30 hour non-stop period
- Lateral capacity of 10% was maintained at all times during the lift by means of an innovative and new restraint system at every pier and abutment



Project - Ramp N over I-595
Location - Broward County, Florida
Year - 2012
Type - Heavy Lifting
Owner - Florida DOT
GC - Dragados USA
Client - VStructural LLC