



Description of the Work

In 2008, DelDOT awarded a Design-Build contract to Skanska USA Civil Southeast to replace the Indian River Inlet Bridge in Rehoboth Beach, DE. The new Indian River Inlet Bridge, located directly on the Atlantic coast and subject to harsh storms and a severe environment, is the fifth bridge constructed across the inlet in just 60 years. The new design features a 950 ft stay cabled main span with foundations located away from the inlet's swift scour-inducing currents, contributing towards a design life of 100 years and allowing for potential future widening of the inlet.

The bridge is a key route connecting coastal communities to the north and south of the inlet, facilitating coastal access during the busy summer tourist seasons on which the local economy depends.

Freyssinet/Hebetec Scope

The works were done on land and progressed step by step towards the middle of the bridge. Each of the segmental elements was held and anchored along with the feeder system towards midstream with one type H-400 strand jack per pier until the actual bearing cable could finally be suspended. Altogether, four type H-400 strand jacks were used on four piers for one year

In addition to supplying lifting equipment, Freyssinet provided the stay cables, post-tensioning system and expansion joints.

General Contractor :

Walsh Construction Company

Owner :

Illinois DOT

Dates of Erection:

2012



Weights 2 x 750 Tons
1 x 300 Tons

Bridge Length 2,600'

Equipment used

Strand Jack H-400 4 units

