



Description:

Harbour Link Segment 10.1 is a component of the North Luzon Expressway (NLEX) which encompasses a 5.65-km elevated roadway. It will serve as the connection between MacArthur Highway in Valenzuela City and C-3 Road (5th Avenue) in Caloocan City. FIMI was awarded the contract to perform the specialized post-tensioning works to the AASHTO girders that will be used to support the elevated roadway.

Client : Leighton Contractors (Asia) Ltd.

Subsidiary : Freyssinet International Manila, Inc.

Date Started : Mar 2015

Date Finished: 2018 (Estimated)

Freyssinet's Scope:

FIMI acted as a subcontractor for all the post-tensioning works of more than 1,200 Type VI AASHTO girders. Prestressed concrete (PC) strands with a nominal diameter of 15.24mm were used, making Segment 10.1 the first post-tensioning project identified in Metro Manila to ever use this type of strand. The post-tensioning works included the fabrication of G.I. ducts, layout, stressing and grouting of tendons. In addition, FIMI also supplied Freyssibar for the purpose of load testing of graded anchor and pull out tests for tie downs of the beam launcher.