GENERAL

Bang Na-Bang Pli–Bang Pakong expressway is a 54km-long elevated expressway, being one of the sections of Bang Na-Chonburi Expressway. The expressway project was awarded by the Expressway & Rapid Transit Authority of Thailand to Joint Venture BBCD, consisting of Bilfinger+Berger, Ch. Karnchang Public Co., Ltd. and Dywidag. 27.2m-wide precast concrete segments form the decks (span lengths 39.30m–44.40m) being supported by mainly 13m-high Y-columns and by portal frames at the ramp sections. The elevated road section beyond KM 28+000 is mainly supported by bored piles with base-grouting while the remaining sections are supported by driven pre-cast concrete piles. 50mm diameter steel tubes for sonic logging test were also used as access tubes for tube-a-manchette grouting circuits in pile base grouting.

WORK UNDERTAKEN

BORED PILES: Dia. 1.2mx38.0m-64.2m 414 nos.
BASE GROUTING: 414 piles

TYPE OF WORK: Foundation Piles with Base Grouting
OWNER: Expressway & Rapid Transit Authority of Thailand
MAIN CONTRACTOR: Joint Venture BBCD
DESIGNER: J. Muller International & AEC
PERIOD: 1998-1999
References: