

ABSTRACT

Romadanarto Pratama (2018091040)

Zhia Unnahar (2018091020)

OVERVIEW OF THE IMPLEMENTATION OF THE BORED PILE WORK ON SOIL RESERVATION WALLS IN THE SERPONG - BALARAJA TOLL ROAD PROJECT SECTION 1A

The Serpong - Balaraja section 1A (The Green BSD - Aeon Mall BSD) toll road construction project has a total length of 5.15 km. The Serbaraja section 1A toll road construction project is divided into 3 packages, namely, package 1 toll road works starting from STA 0+000 to STA 2+300, package 2 toll road works starting from STA 2+300 to STA 3+250 , and package of 3 toll road works starting from STA 3+250 to STA 5+150. In toll road works, there are several types of Rigit Pavement with the main structure consisting of: Box Tunnel, River Bridge, Underpass Bridge, Overpass Bridge and Box Culvert Maindrain. Practitioners have the opportunity to work in the soldier pile stages using the Bored Pile method. Practitioners conduct research and supervision regarding the stages of the soldier pile work carried out by the Subcontractor of PT. Self-reliant starting from the preparation process to casting concrete at several soldier pile points located at Cilenggang 1 and Cilenggang 2 locations. Practitioners also had the opportunity to test Construction Materials and Polymer Powder Chemicals.

Keywords : *Toll Road, Soldier Pile, Bored Pile*