

ABSTRACT

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Implementation Method and Calculation of Concrete Needs of Bored Pile P6 in the East Ancol – Pluit Toll Road Construction Work Project (Elevated)

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(xiv + 70 + Attachment)

Practical Work is a stage in balancing theory with application carried out in the field. The East Ancol-Pluit elevated toll road construction project is expected to be a solution to reduce congestion in North Jakarta. The foundation used in this project is bored pile. The method of carrying out bored pile foundation work is tool preparation, initial drilling with soil auger, installation of temporary casing, filling the hole with stabilizing fluid, continuing drilling, cleaning the bottom of the hole with a cleaning bucket, installation of reinforcement baskets, installation of tremie pipes, starting casting, cutting tremie pipes, continue casting until finished, tremie pipe removal, temporary casing removal, blind boring after concrete hardens. The calculation of the need for bored pile concrete obtained is 138,075 m³ and the truck mixer needed for bored pile casting at each point is 22 truck mixers with a capacity of 6.5 m³.

Keywords: Practical Work, Bored Pile, Truck Mixer.