

ABSTRACT

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BRIDGE SUBSTRUCTURE METHOD CIMUNJUL AND CIBODAS ON BOCIMI TOLL ROAD SECTION 3A

The Professional Work (KP) program at the Bocimi Toll Road Project (Bogor - Ciawi - Sukabumi) Section 3A, carried out by PT Trans Jabar Tol, aimed to provide practical experience for the participants. During this program, the participant studied the methods of executing substructure works, understood the foundation construction process, prepared for project implementation, and developed intellectual skills to address challenges encountered in the field. The primary focus was on the execution methods of bored piles at the Cibodas Bridge (STA 27+933) and the pile cap and column installation works at the Cimunjul Bridge (STA 26+537). The stages of work included bored pile preparation, reinforcement installation, concrete casting, soil excavation, bored pile testing, breaking pile heads, pile cap preparation, reinforcement assembly, pile cap casting, and curing. These activities were designed to ensure a thorough understanding of the phases and implementation methods in accordance with planned designs and applicable standards.

Key Words : Implementation Method, Bored Pile and Pile Cap, Bridge