THE WORKING IMPLEMENTATION METHODS OF BRIDGE AND UNDERPASS ON WARUTURI RIVER STA 34+386.399 KERTOSONO-MOJOKERTO TOLL ROAD

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ABSTRACT

The working implementation of upper bridge structure underpass on Waruturi river bridge with a length of 34.5 meters, width 16.3 meters (direction to Mojokerto), and width 16.3 meters (direction to Kertosono). And box tunnel with a length of 34.1 m, wide 5 m and 3.75 m height, need good planning implementation methods. In doing this research, we recalculate the time and cost required by this project. In accomplishing underpass which is to build box tunnel with foundry method in project area. The work of building a box tunnel underpass by the method of casting on the project site using girder launcher. While work on the upper bridge structure, erection girder using girder launcher. Girder launcher was chosen because it is more efficient and applicable in project area. Based on the final project analysis, the working implementation of upper bridge’s structure and underpass on Waruturi river can be finished for 135 days or 6 months and spend cost of Rp. 5.418.516.858,76.

Keywords: working implementation, girder launcher