

## **ABSTRACT**

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*East Ancol - Pluit (elevated) highway construction work project  
about the method of implementing pier work on the East Ancol – Pluit (elevated)  
highway*

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*This study work report discusses experiences while undergoing job training at the East Ancol flyover toll road - Pluit, Ancol, North Jakarta with a project value of up to 2 trillion and the type of contract used is fixed unit price. The East Ancol toll road project has a track width of 7 meters and a length of 9.76 kilometers, has 10 piers in zone 0 and is using bore pile foundations. The specific problem in this report is the method of implementing columns (piers) on the East Ancol – Pluit elevated toll road project. The main problem faced was the existence of technical and non-technical problems that occurred in the project, such as underground utilities, sea water, drying concrete on the road and overhead wires close to the project, which resulted in delays in project completion. The purpose of this report is to know the organizational structure of the project, find out the problems and solutions that occur in the project, know the various tools used on the project and know the method for implementing columns on the project. The research method used is direct observation and interviews with parties involved in the project. The results obtained are that in order to overcome obstacles in this project such as underground utilities, sea water, and concrete drying out on the road, the company has found an effective solution, namely moving utilities, using concrete admixture, and adding water to the concrete mixture in the truck mixer. . With these measures, the project can run smoothly without disrupting the existing utility system and ensure optimal concrete quality.*

*Key word: Highway, Columns, Pier, Worker, Utilities, Sea water*