Tollroad Planning KERTOSONO-MOJOKERTO
STA 18+000 - STA 21+450 Using Rigid Pavement in The
District Jombang-East Java

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Abstract

Roads are the land transport infrastructure that has a link very important role in economic development and equitable development outcomes. The existence of this toll road is very important in the smooth flow of traffic. Along increase the amount of traffic resulting from increased road vehicles that do not supply.

Development Kertosono-Mojokerto toll road is intended as a connecting road linking the town of Mojokerto alternatives and cities surrounding Kertosono developing in line with increasing industrial and trade sectors.

Planning Kertosono-Mojokerto toll road includes a rigid pavement, the edge of the channel dimensions of planning, planning as a reference geometric path planning of highways, and the Plan budget Kertosono-Mojokerto toll road.

From the calculation results obtained:

- Highway
- The length of 3.45 km, width 14 m, 4-line two way
- Value CBR = 5.2%
- The degree of saturation at the end of time design (2032) = 0.72
- Summary of the calculation of the horizontal
- Thick plate 26 cm
- Iron dowel diameter of 36 mm length 45 cm
- Iron tie bars diameter of 12 mm length 54 cm

Keyword : Rigid Pavement Tollroad Kertosono-Mojokerto