REDESIGN RIGID PAVEMENT OF KRIAN – MOJOSARI ROAD
STA 5+000 – STA 10+500
AT EAST JAVA PROVINCE

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ABSTRACT

Joints way at Krian - Mojosari is a kolektor that connecting between Subdistrict Krian with Sidoarjo Regency of East Java. The road become the alternative ways that connect those two town. As the road that hold the characteristic of joints at Krian – Mojosari still hold on some problem of transportation, that are : traffic rising that caused by the mount of vehicle and bad condition of that road (phasing and cracking) on some location in that joints road. In this final project, it is planned the increasing level of road with rigid pavement joints at Krian – Mojosari STA 5+000 – STA 10+500 with 5,5 km length.

Background of paragraph one, then the author would like to review the technical aspects of planning for re-use rigid pavement structure just discussed, among others : Analyzing the capacity of roads is whether the necessary road widening or not that refers to the analysis capacities walk by using Manual Kapasitas Jalan Indonesia (MKJI) 1997. Method used at planning of this road cover thick calculation is road ossifying at joint streets by using Pedoman Perencanaan Perkerasan Jalan Beton Semen. Planning of drainage by using method of SNI-03-342-1994.

From result of calculation planning at ring road project of ngawi obtained wide of total road 18 m with shoulder walk 1,5 m with type walk 4 / 2 UD. For thick planning road ossifying
with plan 20 year obtained thick totalize 42 cm with detail of foundation coat under using Sirtu class of B thickly 15 cm, and endue surface use Concrete ossifying continue with bone (K-400) thickly 27 cm. Planning of edge channel dimension (drainage) in form of square with made materials of stone multiply with finishing obtained dimension of b=1,1m, d=0,55m, and w=0,50m. needed to Fund conduct development of this project is equal to Rp 30.808.584.000,00 - (Spelled Out Members Thrity Billion Eighty Million Eight Hundred Fife Eighty four Thousand Dollars).

Keyword: Thick of pavement, Dimension Channel, Drainage.