REDESIGN OF MOJOSARI – PANDAN ARUM ROAD (LINK 053) AT MOJOKERTO REGENCY EAST JAVA KM SBY.44+450 – KM SBY. 48+450 USING RIGID PAVEMENT

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Abstract

The part of the Mojosari – Pandan Arum road was the regency road where his function as the connector between the Mojosari Subdistrict with the Taman Wisata Ubalan Pacet and this road was the alternative road towards the Batu city and the Malang city. Moreover the development of the territory that was fast enough to become the industrial region. The area Mojosari Pandan arum was the area with the high rainfall caused was gotten the pool of damaging water the surface of the paved road. This was also caused because the bank channel was not all that treated. So that could the realisation of the smoothness and comfort in passing by the passage then was planned by the increase project in the Mojosari road of Pandan Arum Kabupaten Mojokerto KM SBY. 44+450 KM SBY. 48+450. In this end Project was planned by the increase in the road with used perkerasan stiff the Mojosari – Pandan Arum road KM SBY. 44+450 KM SBY. 48+450 along 4 km.

In the analysis of capacity planning for the requirement for the widening of the road to use the 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 (Pd T-14-2003), and for Planning of drainage by using method of SNI-03-342-1994. and the budget plan of the cost by using the technical directory the Harga Satuan Pokok Kegiatan (HSPK) in 2012.

Results of the calculation of planning in the part project of the Mojosari road-fragrant pandanus was received wide the total road 15 m with the shoulder 1.5 m with the type of the road of 4/2 UD. For thick pavement the road with the age 20 years were received thick the total 31 cm in the widening with low layered details of the foundation used CBK thickly 10 cm, and the layer of the surface used pavement the continued concrete without reinforcement (K-300) thickly 21 cm. Planning of the bank channel had the shape of the trapezium with the material was made from the river stone couple without the resolution be received by the dimension of b= 1 m, h=1. The cost that was needed for the development of this end project was of Rp 35,398,350,000.00 (was counted : thirty five billion three hundred ninety eight million three hundred fifty thousand rupiah).

The key word: Planning, Thick Pavement Stiff, the Dimension of the Channel.