Abstract

The construction of the traffic lane west-metropolitan ring road. This is an effort to revive the southern path. The final project is aimed to explore construction of road pavement thickness, drainage channel dimensions, geometric control path, and calculates the required budget plan. The method used in this way include the planning of road pavement thickness calculation on the road by using Component Analysis Method 1987. Road capacity analysis using the program excel. Drainage plan using the SNI-03-342-1994. geometric path planning using Goemetrik Planning Inter-City Road. Budget plan to use city HSPK category IV (Surabaya, Gresik, Sidoarjo, Mojokerto). From the calculated cross-track project planning in the south gained a total pavement width of 14 m, median 1 m, shoulder of road 4 m, and drainage 2 m with a shoulder type road 4/2 UD. To plan a road pavement thickness design life of 10 years obtained a total of 45 cm thick layer of foundation with the details of the
use Aggregate Class C (CBR 50%) as thick as 20 cm, a layer of foundation on the use of the Aggregate Class A (CBR 80%) and 15 cm thick layer surface using LASTON (MS 744) with a thickness of 10 cm. Planning dimensional edge channel (drainage) or rectangular with a material made of stone with a finishing time. RAB is needed for the construction of this road of Rp 602,532,557,676,- (in words Six Hundred Two Billion Two Hundred Seventy Six Million Two Hundred Fifty Six Thousand Four Hundred Twenty-Two Dollar). With a cross-roads west metropolitan ring road could facilitate economic activity and the development of inter-regional traffic arrangement between the district of Gresik, Surabaya municipality, and the district of Sidoarjo