Horizontal Aligment Evaluation

(Case Study : Awang Mahmuda Village Road, Bengkalis)

Nama : Siti Sofia

NIM : 4204181193

Dosen Pembimbing : Dr.Eng.Noerdin Basir,MT

ABSTRAC

Roads are a very important means of transportation in transportation to achieve a goal both between villages, sub-districts, or cities. To achieve this goal, it is necessary to design a geometric road. Geometrics is part of road planning which focuses on planning the physical form so that it can fulfill the function of the road, namely providing optimum service to traffic flow and as access between cities.

The identification of this Horizontal Alignment uses the 2021 Road Geometric Design Guidelines. This guide serves as a technical reference in the geometric design of the road which aims to carry out safe road construction and can provide optimal service to traffic flow during the service design life.

Based on the identification of the length of the existing condition road, it is known that the road has a terrain classification as a flat area, with a design speed of 50 km/hour. There are 2 bends with this type of bend. From the results and calculations on this road, bends 1 and 2 have the S-C-S type. With superelevation at bend 1 (7%) and bend 2 (2.43%).

Keywords: Horizontal Alignment