

**THE PLANNING OF RIGID PAVEMENT THICKNESS BY
USING THE ROAD PAVEMENT MANUAL METHOD 2017
AND AASHTO 1993
(CASE STUDY : THE ROAD SADAR JAYA SIAK KECIL SUBDISTRICT
BENGKALIS DISTRICT)**

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Abstract

The road Sadar Jaya Siak kecil Subdistrick Bengkalis district is one of the damaged roads in the Bengkalis. Where the road is a pivot road that connects between villages. This road is also traversed by vehicles such as motorbikes, cars and trucks carrying palm fruit harvested local residents. Roads that are often traversed by vehicles with heavy loads also affect the roads getting more damaged and even have holes.

The design calculation the thickness of rigid pavement used in the case study of road Sadar Jaya Siak Kecil Subdistrick, Bengkalis district is pavement thickness planning using the Road Pavement Design manual 2017 and AASHTO 1993. After the calculation of rigid pavement the Road Pavement Design manual 2017 and AASHTO 1993, it will be known the thickness of rigid pavement Design manual 2017 is 195 mm and AASHTO 1993 is 200 mm. And the results of the total budget Road Pavement Design Manual 2017 Rp. 10.324.500.000 (rounded) and AASHTO 1993 the total budget Rp. 11.722.400.000 (rounded).

Keywords: Rigid Pavement, road pavement design manual 2017, AASHTO 1993, Estimate Engginering