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Scientific Notes

# A study investigating the impact of waste cooking oil and waste engine oil on the performance properties of RAP binders

Ishfaq Mohi Ud Din  , Faheem Sadiq Bhat & Mohammad Shafi Mir

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## Abstract

In recent times a lot of emphasis has been on the use of reclaimed asphalt pavement (RAP) materials. Various types of modifiers have been used to improve the engineering properties of the RAP materials. The current paper studies the use of two waste oils (waste engine oil and waste cooking oil) for improving the different properties of RAP materials. The performance of the modified binders was evaluated at high and intermediate temperature ranges using different testing methods. The high-temperature performance was assessed by using the Superpave rutting parameter and