



Study of Chip Sealing Over a Gravel Surfaced Road

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Abstract: -

Chip sealing or bituminous surface is a normally used process globally for metalled road a roadway. A chip seal embody of a layer of asphalt binder that is superimposed by a layer of assemblage embedded in the binder. It endows aegis to the current stratum layer from tire disservice and a skid obstruction surface texture for vehicles. Chip sealing is ponder a low cost alternative weigh to variant asphalt surfaces and so far as several transit agencies have narrow budgets, its uses is probable to maximize in the future. The government of Madhya Pradesh manage an identical amount of chip sealed roads in lane kilometres. The concentration of this paper is on observation on chip sealed gravel roads in different regions in the state of Madhya Pradesh and comparing it into the following categories regarding chip seals:



- Materials; binder and aggregate
- Standard circumstance
- Construction practices

Chip seals are used regularly in the maintenance and conservation of convergence. The chip seal is constructed by spraying the asphalt emulsion onto the asphalt roadways, then diffusion chips of clan into the emulsion, embedding the chips with air-driven and rubber tired rollers, and ultimately sweeping to recapture the excess chips. Infrequently, the methods is repeated a double seal, with emulsion sprinkle again and a second layer of chips added. The methods seals fine rift in the fundamental pavement surface, minimizing pavement decay by fend water from intruding into the base and sub grade.

Keywords: - Chip Seal, Binder, Emulsion, Asphalt, Gravel Road and Roller.

Introduction

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