

# Pavement execution

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## **Preface**

Hot-mix asphalt is one of the most commonly used materials in construction and maybe in our country we can say use it all roads and passages as prime coat.

High application this product in passages and roads pavement and increase of production costs and distribution on the other hand is caused that take place special look to it.

Since hot-mix asphalt is formed from different components ,its production and distribution process is including different components .This book try that one of important steps in asphalt process - execute step – consider. Asphalt execution subject is one of important subjects in pavement operation process and wrong execution cause many premature failures of asphalt layer.

This book including different methods for asphalt carrying and draining , finisher components , set methods for level of finisher heater and execute tiny points. Since execution of longitudinal and transverse joints its one of important points in distribution operation , there fore this subject has presented in separate chapter quitly.

Asphalt compaction is problem that has correspond with operation directly. Asphalt compaction mistakenly is caused premature failures and cracks and weaken surface texture against infiltration , there fore for the importance subject, A full chapter is devoted to it.

Finally is devoted one chapter to failures study due asphalt wrong execution. This book can use by involved factors in a asphalt project like employer , monitoring device and contractor. We hope that using this book cause improvement in asphalt execution although small.

content

Chapter 1: Asphalt Transport

Chapter 2: Preparation Surface after Spreading

Chapter 3: Asphalt Spreading (Introduction of asphalt spring equipment)

Chapter 4: Automatic control of finisher heater

Chapter 5: Joints execution

Chapter 6: Asphalt compaction

Chapter 7: Asphalt operations manual method

Chapter 8: Spreading problem and failures and its solution