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PRODUCTION, TRANSPORT

AND

LAYING OF ASPHALTIC CONCRETE

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**PRODUCTION ,TRANSPORT
AND
LAYING OF ASPHALTIC CONCRETE**

by

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**“ ESPECIALLY
TO MY PARENTS
AND TO PANTELIS”**

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CONTENTS:

	PAGE:
1. SUMMARY	2
2. INTRODUCTION	4
3. CHAPTER 1: Elements of a flexible pavement	7
4. CHAPTER 2: Desirable properties of dense bituminous mixtures	12
5. CHAPTER 3: Mechanical testing of bitumen	18
6. CHAPTER 4: The production of asphaltic concrete	23
7. CHAPTER 5: Pavement Design	44
8. CHAPTER 6: Transport of asphaltic concrete	53
9. CHAPTER 7: Mix placing	76
10. CHAPTER 8: Compaction	84
11. CONCLUSIONS	93
12. PICTURES	96
13. REFERENCES	108

LIST OF FIGURES:

Page:

Figure 1.1	Layers of a flexible pavement	page 8
Figure 1.2	Different types of a road construction	page 11
Figure 3.1	Penetration test	page 19
Figure 3.2	The softening point test	page 20
Figure 3.3	The Fraass breaking point test	page 21
Figure 4.1.1.a	An asphalt plant at night	page 24
Figure 4.1.1.b	Cold feed holding bins	page 25
Figure 4.1.1.c	Aggregate heater/dryer	page 25
Figure 4.1.1.d	Schematic diagram of an indirectly heated batch mix plant	page 26
Figure 4.1.1.e	An indirectly heated batch mix plant	page 26
Figure 4.1.3.a	A drum-mix plant	page 27
Figure 4.1.3.b	A modern drum-mix plant	page 28
Figure 4.1.3.c	Automatic electronic controlled system of asphalt plant	page 28
Figure 4.2.1.a	Segregation of aggregates in hot bins	page 31
Figure 4.2.1.b	Stockpiling aggregates	page 32
Figure 4.2.1.c	Power shovel during loading aggregates from stockpiles	page 32
Figure 4.2.1.d	Power shovel	page 33
Figure 4.2.1.e	Procedure by which the power shovel unloads aggregates into hoppers	
Figure 4.2.1.f	Hoppers to receive aggregates from stockpiles	page 34
Figure 4.2.1.g	Cold feed system	page 34
Figure 4.3.1.a	Overfilled pugmill	page 35
Figure 4.3.1.b	Underfilled pugmill	page 35
Figure 4.3.3.a	Typical arrangement of plant scales	page 36
Figure 4.3.4.a	Automatic controls for batch plant	page 37
Figure 4.3.5.a	Typical drum-mix plant	page 38
Figure 4.3.5.c	Basic drum mix plant	page 39
Figure 4.3.5.d		page 41
Figure 4.3.5.e	Hot-mix storage silos	page 42
Figure 5.2	The relation between the applied load and the penetration of the plunger	
(page 52)		
Figure 6	Plywood cover over insulation on haul truck	page 58
Figure 6.1.1	End-dump truck	page 59
Figure 6.1.2	Bottom-dump truck	page 59
Figure 6.1.3	Live-bottom truck	page 59
Figure 6.1.4	Truck ready for loading with hot-mix asphalt mixture	page 61
Figure 6.1.5	Hot-mix asphalt mixture discharged into a truck	page 62
Figure 6.2	Measuring temperature of mix in the truck	page 62
Figure 6.2.8.a	Inspection records	page 68
Figure 6.2.8.b	Inspection records	page 68
Figure 6.2.9	Hardening of bitumen on the road	page 69
Figure 6.3	The effect of void content on the hardening of bitumen on the road	page 70
Figure 6.3.1	Protective clothing worn during bitumen delivery	page 71
Figure 6.4.3.a	Too little tack coat	page 74
Figure 6.4.3.b	Too much tack coat	page 74
Figure 7.1.a	A close view of the receiving hopper of the paver	page 80
Figure 7.1.b	A truck during unloading of hot-mix asphalt into the receiving hopper of typical paver	page 80
Figure 7.2.a	A close view of the screed unit	page 82
Figure 8.1.a	A view of a typical two-wheeled tandem roller	page 89
Figure 8.1.b	A pneumatic-tired roller during rolling operations	page 90
Figure 8.1.c	Another view of a typical pneumatic-tired roller	page 90
Figure 8.1.d	Combination of rolling operations	page 91

SUMMARY:

The purpose of a flexible pavement is to produce a structural system that will carry traffic conveniently and safely at minimum cost.

The performance of a bituminous mixture is influenced by some factors such as flexibility, durability, workability, stability, impermeability and stiffness.

For the procedure of production of bituminous mixtures two types of plants are used: the batch plants and the drum-mix plants. Despite the fact that in these plants the procedure takes time their purpose is to produce bitumen containing the desired proportions of bitumen and aggregate and satisfying all the specifications.

Bitumen is delivered on site by trucks. Trucks are designed properly so that they deliver and discharge material properly into the paver.

The placing process is very important such as the compaction at the end because the life cycle of the pavement depends at a large rate to these two factors. Having a good mix design is not enough for the workability of the pavement; a good compaction process is demanded.