

CHAPTER 7

BITUMINOUS PAVEMENT

7-1. General.

The bituminous materials used in paving are asphaltic or tar products as listed in TM 5-822-8/AFM 88-6, Chap 9. Although asphalts and tars resemble each other in general appearance, they do not have the same physical or chemical characteristics. Tars are affected to a greater extent by temperature changes and weather conditions; however, they tend to have better adhesive and penetrating properties than asphalts. Generally asphalt surface courses are preferred to tar surface courses. The selection of the type of bituminous material (asphalt

or tar) should normally be based on economy.

7-2. Criteria for Bituminous Pavements.

The basic criteria for selection and design of bituminous pavements are contained in TM 5-822-8 which includes the following criteria:

- a.* Selection of bitumen type.
- b.* Selection of bitumen grade.
- c.* Aggregate requirements.
- d.* Quality requirements.
- e.* Types of bituminous pavements.