

Road (Street). FAC: 8511

CATCODE: 851147

OPR: AFCEC/COS

OCR: AFCEC/CFT, AFSC/SEG

1.1. Description.

1.1.1. Highways on Air Force bases are either roads or streets depending on the area in which they are located. In open areas they are roads. In built-up areas they are streets.

1.1.1.1. Open areas are areas within the site limits of the base, but outside its built-up areas, designed for training, maneuver, ammunition storage, bulk fuel storage, or other incidental purposes.

1.1.1.2. Built-up areas are within the site limits of a base and contain buildings, reasonably spaced and arranged for administration, housing, warehousing, and storage plant or depot purposes. Street intersections usually occur at intervals of 400 meters (1/4 mile) or less.

1.1.2. Roads and streets are categorized as primary (P), secondary (S), tertiary (T), and patrol roads (PR).

1.1.2.1. **Primary (P).** Base roads and streets serving as main distributing arteries for all traffic originating outside and within a base are designated Primary. They provide access to, through, and between various functional areas. They are planned and designed to accommodate large volumes of traffic composed of all types of vehicles required to operate regularly within the base for the anticipated life of the highway.

1.1.2.2. **Secondary (S).** Base roads and streets supplementing the primary system by providing access to, between, and within various functional areas are designated Secondary. They are usually planned and designed to accommodate a reasonable volume of comparatively light weight vehicles, and an occasional passage of the maximum size vehicle expected to operate regularly on base.

1.1.2.3. **Tertiary (T).** Roads and streets providing access from other roads and streets to individual units or facilities of a functional area are designated Tertiary. They are planned and designed according to traffic anticipated at the individual facility they serve.

1.1.2.4. **Patrol Road (PR).** Roads planned and designed for use in surveillance or in patrolling areas for security purposes of light traffic.

1.2. Requirements Determination.

1.2.1. For planning and design purposes, roads and streets are divided into classes depending on topography, land use, speed, volume, and composition of traffic. Class A roads and streets are multi-lane (four or more lanes) and may be divided or undivided. Class B, C, D, and E roads are two-lane. There is seldom any requirement for Class A roads and streets on Air Force bases. See UFCs 3-250-01FA and 3-250-18FA.

1.2.2. For programming purposes, show roads and streets by category (P, S, T, or PR) followed by the class (A, B, C, D, E, or F).

1.3. Scope Determination. Volume and composition of traffic determines the geometric requirement for roads and streets. Wheel load, tire pressure, wheel configuration, and frequency of operation determine structural requirements. Type, volume, character, frequency, and composition of traffic are related to size, type, and mission of the base.

1.4. Dimensions. See UFCs 3-250-01FA and 3-250-18FA.

1.5. Design Considerations. See UFCs 3-250-01FA and 3-250-18FA.