

## 112 AIRFIELD PAVEMENTS - TAXIWAYS

This basic category covers aircraft taxiway pavements and includes both normal and high speed runway exits. Criteria for peripheral and interior taxi lanes of aircraft parking aprons are included in category code 113 20.

### 112 10 TAXIWAY (SY)

Description. Taxiways are paved surfaces on which aircraft move under their own power to and from landing, service and parking areas. Surfaces for towing aircraft shall be coded 116 50, Towway.

Criteria. The length of a taxiway depends upon the specific airfield configuration and layout of support facilities. Taxiways are normally 75 feet wide except for taxiways which only support class "A" runways or helicopter landing pavements shall be reduced to a 40 foot width. (See Code 110 introduction for a definition of class A and B runways.) Runway exits are part of the taxiway system and include end, normal intermediate and high-speed turn-offs.

Exits for class B runways: End turn-offs are planned for each runway end and are 150 feet wide, except those from parallel runways to the parallel taxiway which are 200 feet wide. Normal intermediate turn-offs are required for all runways. They are 75 feet wide and are placed 2,000 feet from each end of the runway and in the remaining runway length at intervals of not more than 3,000 feet or less than 2,000 feet. High-speed turn-offs are provided where traffic studies indicate the requirement. High-speed turn-offs are 100 feet wide at the throat tapering to 75 feet and are a minimum of 1,000 feet long.

Exits for class A runways and Helicopter Runways: End turn-offs and intermediate taxiways shall be 40 feet in width.

Safety Clearances/Separations: Taxiways are located so as to provide adequate clearance between taxiing aircraft and aircraft in adjacent areas and obstacles. The following separation clearances apply to the siting of taxiways. The use of separations less than specified below require a waiver from the Naval Air Systems Command. The minimum clearance from the centerline of the taxiway to:

Centerline of parallel runway.....	500 Ft
Centerline of parallel taxiway.....	Ft
Edge of parking apron.....	150 Ft (1) (2)
Obstacles.....	150 Ft, May be reduced, See Note (3)

#### NOTES

- (1) The parking apron must be sited outside the runway primary surface. Because of this requirement, the apron will normally be a greater distance than 150 feet from the parallel taxiway of a class "B" runway.

- (2) Under certain conditions, a through taxiway may be incorporated within the parking apron as a peripheral taxilane. See the paragraph titled "Deviation for Criteria", Category Code 113 20 (Aircraft Parking Apron).
- (3) Reduce to 100 feet along taxiways used only to support class A runways or helicopter landing facilities.

See NAVFAC DM-21.1 for design criteria related to taxiway grades and shoulders.