## **OBJECTIVES**

· To slow turning movements at junctions to assist pedestrians when crossing, and to provide greater safety for cyclists (see Diagram 3.11.1)

# SPEED REDUCTION RATING "B"

Rating "B" for turning movements only.

# **DESIGN FEATURES**

The design should be appropriate to the classification of the streets involved. Ramped corners can be used to slow cars while still allowing access by large vehicles.

# APPLICATION

Useful at all junctions within "living" and "mixed priority" areas where turning movements would otherwise be too fast. Small radii are not necessary where slow speeds are achieved by other means, or where the footway is set away from the corner.

# DIMENSIONS

Suggested maximum kerb radii (m) if footways and corners are adjacent.

Road class	Local	Collector	Mixed
Local	2		
Collector	2	3	
Mixed	3	4	6
Traffic	4	6	8





14: Excessive corner radii encourage speeding and are hazardous for pedestrians. (Photo: T. Pharoah)

15: Small radii at corners allow pedestrians to cross conveniently. In this example, dropped kerbs are also provided. Battersea, London. (Photo: T. Pharoah)

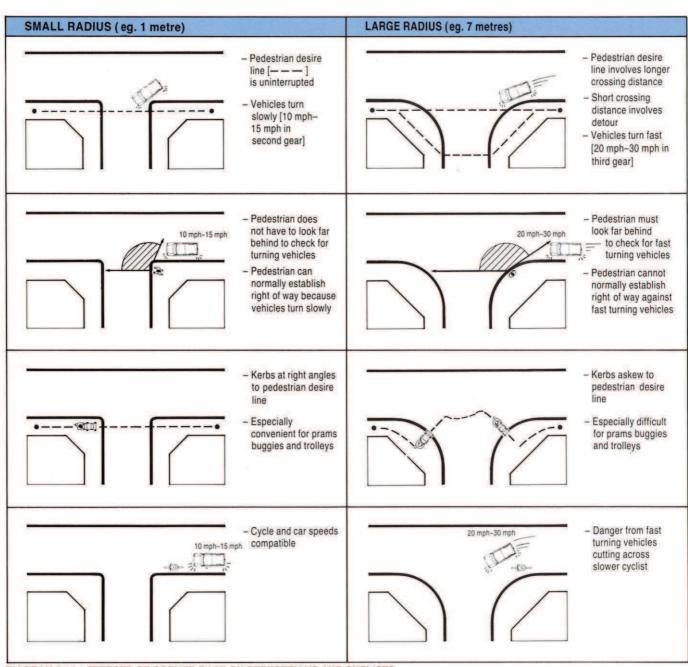


DIAGRAM 3.11.1 EFFECTS OF CORNER RADII ON PEDESTRIANS AND CYCLISTS

#### SUPPORTING MEASURES

Bollards can prevent overrunning of footway at corners. Dimensions can be relaxed if speeds are slowed by ramped junctions or other means. Ramped corners may be appropriate in "mixed priority" and "traffic" areas. Central islands may be needed in mouth of junction to prevent vehicles taking a "racing line".

## POSITIVE FACTORS

- · Helps pedestrians to establish right of way over turning vehicles at junctions
- · Easier to ensure that footway meets carriageway at 90 degrees at junctions
- · Reduces danger of cyclists being "cut across" by turning vehicles

# NEGATIVE FACTORS

· More difficult access for large vehicles limits radii reduction in some circumstances



16/17: Large corner radii cause particular inconvenience for people with prams, wheelchairs, etc. (Photos: T. Pharoah)

