



VEHICLE CROSSOVER SPECIFICATION

1. OVERVIEW

This document is designed to assist property owners and contractors to construct an appropriate crossover to City of Karratha (CofK) specifications allowing the property owner to request a CofK crossover contribution.

Property owners or contractors are encouraged to contact the CofK and other relevant service authorities prior to the construction of the crossover if unsure on any aspect of this specification.

It is strongly recommended that building plans are not prepared, and building permits not submitted until CofK approval has been obtained for the crossover location. Proceeding without this approval may create additional costs for the owner should redesign be required.

The crossover must be constructed from new materials. During the construction the contractor shall ensure that no damage occurs to the CofK's roads, footpaths, drainage structures, kerbs, pram ramps and verges. Damage to the above mentioned facilities may result in the repairs being carried out by the CofK at the property owner's expense.

IMPORTANT NOTE:

An existing footpath must not be removed under any circumstances during the construction of a crossover. The removal of a footpath is a breach of this specification and creates a legal liability for the owner, who will be required to reinstate the footpath to CofK specifications at the owner's expense.

During the construction of the crossover, if a footpath exists, it should be kept open to pedestrians in a safe manner with adequate signage or barricades placed to ensure pedestrian safety.

The location and size of the crossover will be considered during the assessment of the building licence. If a second crossover is required, an application must be submitted including a letter from the owner and a drawing clearly showing crossover size, location and type. Approval will only be granted as a condition on the building licence or in writing from Council.

2. LOCATION

Crossovers are to be located in such a position that does not interfere with public utilities i.e. telecommunication pits, sewer pits, pram ramps or drainage structures. The crossover is to be constructed at 90 degrees to the kerb line and must not be built through the corner truncation. The location of the crossover should be no closer than 0.5m from a light pole and 3.5m from any trees on the verge.

3. CONSTRUCTION

a) Levels

The crossover should be constructed to tie into existing verge levels, including existing footpaths. If unsure, please contact CofK to obtain correct levels. No existing footpath shall be removed under any circumstances.

b) Dimensions

For residential crossovers, the minimum width of the crossover at the property boundary is 3.0m and the maximum width in accordance with requirements of the Residential Design Codes of Western Australia or as approved by Council.

For commercial crossovers, the minimum width of the crossover at the property boundary is 6.0m and the maximum width as approved by Council.

c) Base Preparation

The base material should be thoroughly moistened and compacted to 95% MMDD (Maximum Modified Dry Density), 7 blows / 300mm (per sand penetrometer). For brick paved crossovers a 25mm layer of bedding sand is required on top of the compacted sub-base.

d) Concrete

All concrete used in the works shall develop a minimum compressive strength of 32 MegaPascals at 28 days with a maximum slump of 50mm and cured for 3 days.

e) Brick Paving

Concrete or Clay solid pavers are permitted and should be a minimum thickness of 60mm.

f) Kerbing

Mountable kerb need not be removed. Barrier and semi-mountable kerb should be removed equal to the width of the proposed crossover. Brick paved crossovers must have a mountable kerb installed between road surface and brick paving to crossover.

g) Finishing

The surface shall be treated to provide a non-slip surface.

h) Return of Kerbing and Wings

Crossover wings shall be constructed 1.5m wide x 3.0m long for residential and commercial properties. A radius of 1.5m for residential and 3.0m for commercial may be used. Residential crossovers greater than 5.0m in width may construct reduced wing dimensions of 0.75m wide x 1.5m long.

4. CONSTRUCTION RESPONSIBILITIES

The person responsible (i.e. client) for the construction of the crossover shall ensure the following:

- a) Cutting existing kerbing with concrete saw or removing existing precast kerbing without damage to pavement, kerbing or services;
- b) Removal and disposal of all surplus material from the site of the works and leaving the site in a clean and tidy condition at all times;
- c) Removal of formwork without damage to concrete, pavement or existing kerbing;
- d) Immediate reinstatement to kerbing, road surface, footpaths and all public utilities following damage during the course of the works;
- e) The protection of private property from flooding during construction due to the removal of kerbing or water channel; and

- f) The personal attention to all claims from ratepayers due to the construction of the rear access driveway.

5. CONTRIBUTIONS

Council will contribute to the cost of constructing a crossover.

Standard crossover x length / 50% x cost of crossover construction (excluding cost of stormwater management elements)

For example:

Residential standard crossover:

3m x length : 2 x \$ (excluding cost of stormwater management elements)

Commercial standard crossover:

6m x length : 2 x \$ (excluding cost of stormwater management elements)

Owners are to make application on Council's 'Application for Vehicle Crossover' form which may be obtained from the City of Karratha website at <http://www.karratha.wa.gov.au> or by telephoning the City of Karratha Customer Service on (08) 9186 8555.

6. SCHEDULE OF REQUIREMENTS

ALL CROSSOVERS		
Item	Residential	Commercial
Minimum width	3.0m	6.0m
Maximum width	6.0m or 40% of the width of the property whichever is the lesser	12.0m
CONCRETE		
Item	Residential	Commercial
Thickness	100mm	150mm
Steel Reinforcement	SL82 mesh	SL82 mesh
Concrete Strength capacity @ 28 days	32 Mpa / 50mm slump	32 Mpa / 50mm slump
BRICKPAVE		
Item	Residential	Commercial
Thickness	60 – 76mm	
Sub base – Limestone	150mm	250mm
Sub base – Rock base / Gravel	150mm	200mm
Sand Bedding	25mm	25mm

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