



GUIDELINES FOR CROSSOVERS

Commercial / Industrial Lots



1. This specification details the minimum requirements for the construction of Industrial vehicle crossovers
2. Particular care must be taken to locate and protect any public utility, survey marks or other property. Should any public utility, survey mark or other property be located on the proposed alignment of the crossover the property owner shall be responsible for the costs associated with removals or alterations of such.

Where crossovers are constructed privately, the property owner shall cause any damage to public utilities, survey marks or other property to be made good at his expense.

3. The crossover shall generally conform to the levels of the verge and the road formation. The level from the property line to the back of the kerb shall be minus 2% grade. Where there is no kerb, an allowance is to be made for kerbing to a height of 130mm above bitumen.
4. The crossover shall be constructed at right angles to the road formation and located no less than 2.0m from an adjoining property. No portion of the crossover shall enter the road verge immediately in front of an adjoining property.
5. The crossover dimensions shall be in accordance with drawing DN-06.
6. Where fully mountable kerbing is cast, the crossover is to be constructed without removing the kerb.
7. Where barrier or semi-mountable kerbing is cast, the kerb shall be cut using a concrete saw and removed for the width of the crossover and made good upon completion of the crossover
8. Where a slabbed footpath exists, the slabs shall be removed, cut and re-laid as necessary to match the crossover levels.
9. Where a concrete footpath exists, the footpath is to be cut using a concrete saw and removed and re-laid as necessary to match the crossover levels. A 10mm expansion joint must be installed between the footpath and the crossover.
10. The site of the crossover shall be cleared of all roots, trees and any other vegetation or rubbish.

The site of the crossover shall be boxed out to a depth of no less than 200mm. The formation shall then be formed to the levels and gradients required and compacted. The excavation shall be free from depressions, soft spots or any deleterious materials.

The sub-base shall be thoroughly moistened prior to pouring of any concrete

11. All concrete used in the works shall have a minimum compressive strength of 20Mpa at twenty-eight (28) days and have a maximum slump of 75mm.
12. The concrete shall be evenly poured to a minimum thickness of 200mm with F63 reinforcement mesh included with 25mm cover.
13. The finish shall be obtained by screeding to correct levels and broom swept to provide a non-slip dense surface free from any defects. The concrete may be coloured to owner's requirements.
14. 10mm expansion and 5mm contraction joints shall be provided in accordance with drawing DN-06.

Expansion joints shall be filled with polyethylene foam packer and shall be provided at the boundary line and behind existing mountable kerbing.

15. Where owners of adjacent properties wish to construct a dual crossover, the construction principle and methods outlined above shall prevail and the dimensions and location shall be determined by the Manager Technical Works & Services.
16. No dual crossovers shall be constructed without the written approval of the Manager Technical Works & Services.
17. Upon completion the verge shall be left level and in a neat and safe condition.