

Concrete Crossover

Specifications

1. The crossover will require excavation or to be built up in conformity with the profiles, dimensions and depths as shown on the approved working drawings or to the levels determined by Council.
2. The excavation will be free from depressions, soft spots and any deleterious material and shall be made firm.
3. Surplus soil/materials shall be disposed of at a location approved by Council.
4. Sandfill material is required to be free of large stones, roots and debris.
5. Sub-base shall be adequately moistened prior to placing concrete.
6. Concrete is to be supplied by an approved concrete supplier in a ready mixed state and shall have a minimum compressive strength of 32 Mpa in 28 days, 20mm maximum aggregate size and a maximum slump of 75mm. If required, the cartage notes relating to the supply of concrete must be made available for inspection.
7. Concrete may contain an approved 'high early strength' additive to give rapid hardening.
8. Steel reinforced mesh (F62) should be placed centrally in concrete crossover during construction ensuring a 50mm minimum cover.
9. Concrete should be layed evenly and shovelled into position continuously with no break in operations.
10. Screed concrete surfaces to the correct levels and wood float to provide a non-slip surface, free of irregularities. Crossover surface to be broom finished.

Bituminous Concrete Crossover (Hotmix)

Specifications

1. Box out area of crossover to a depth of 170mm and compact with vibrating roller.
2. Provide and lay 150mm road base (crushed limestone or similar), wet down, roll and compact.
3. Sweep off loose waste and metal. Apply a tac coat of bitumen emulsion (1/2 litre per m²).
4. Lay 20mm of Bituminous Granite Hotmix (5mm aggregate), roll and consolidate.
5. Leave site in a clean and tidy condition removing all materials and debris.

Brick Paved Crossovers

Specifications

1. The area to be bricked requires excavation 250mm approximately below the finished level of the brick pavement and free of large stones, roots and debris.
2. The area is to be compacted to 7 blows per 300mm with a standard falling weight sand penetrometer and with adequate moisture content.
3. The soil shall be sprayed with AA Tox at the rate of 2 grams per square metre in accordance with the manufacturer's specification; or
 - Solution of 1kg of TCA grass killer and 20 litres of water at the rate of 20 litres per 100 square metres; or
 - Any other weedicide of a type and application approved by Council prior to its use.
4. A 150mm base of compacted crushed stone or limestone (maximum size 25mm) is to be placed and compacted to 96 per cent modified AASHO. Where an existing crossover occurs the crushed stone or limestone base may be utilised after removal of bituminous surface.
5. The crushed stone/ limestone base is required to be overlaid with 12mm thick metal dust, cement and an underlay course. The underlay course needs to be wet immediately prior to laying the bricks directly onto the underlay.
6. With the exception against buildings and fence lines, the paving shall be finished at the edges with a 100mm x 60mm deep concrete edge restraint with pad M15 Mpa, mortar onto 230mm x 110mm x 76mm brick stretcher course, forming a brick toe to the header margin as shown on specification drawing.
7. Paving bricks to be laid with tight joints, level and even surface, and compacted with vibrating plate compactor over sheet plywood spreader.
8. Liaise with Council throughout crossover construction. Finished levels, footpath alterations and installations of low mountable kerbing, to be laid prior to construction.
9. Council will not accept liability for any damages to the crossover, caused by works undertaken in the road reserve.