TOWN OF
EAST FREMANTLE

CROSSOVER SPECIFICATION (July 2017)

1. TYPES

i) Concrete (Grey or Liquid Limestone)
ii) Asphalt – Black or Red

2. LOCATION

i) Crossovers must be constructed 90 degrees to road unless otherwise approved.
ii) There must be a minimum width of 0.5m from the side boundary.
iii) There must be a minimum clearance of 1.0m from any streetlight pole, verge tree, pram ramp or side entry drainage pit.
iv) Final position of any crossover must be approved by the Town.

3. CONSTRUCTION

i) Contractor

Only contractors experienced in crossover construction shall be approved to complete the works.

ii) Kerbing

All kerbing is to be cut and removed so that there is no damage to the road surface. Where applicable a minimum 300m mountable kerb is to be installed in its place. The crossover is to be constructed no sooner than 24hrs after any new mountable kerb has been installed.

Any flush kerbing laid adjacent to the crossover must a minimum 150mm wide and a minimum of 100mm thick.

On completion, any laid kerb must be stripped of all formwork and backfilled behind with appropriate material approved by the Town.

iii) Footpath

Any section of footpath that runs through a crossover has priority. The footpath level, grade and material cannot be altered unless the Town gives prior approval.

4. EARTHWORKS

The contractor shall be responsible for any damage to utility services during the works. Repairs must be done immediately at their cost and to the satisfaction of the relevant Authority.

Any interface with bitumen on roads or footpaths shall be cut to give a clean face for new crossover.

All excavations shall be free of depressions, soft or loose material and foreign materials. Contractor shall ensure that the excavation is only left open for a maximum of 24hrs prior to new crossover being constructed. If a longer time period is needed then council approval will be required prior to the works commencing.

5. CONCRETE CROSSOVERS

i) Concrete

Concrete will be minimum 20MPa compressive strength after 28 days. Concrete will conform with AS 3600 and have maximum aggregate size of 20mm.

ii) Concrete Placement

Concrete shall not be placed during heavy rain or on hot days where the temperature exceeds 35C. Concrete placement will continue until the works are complete, there will be no break in this operation.

iii) Curing

Concrete must be allowed to cure for at least 24-36hrs prior to being open to traffic. Whilst curing efforts should be made to protect the concrete from rain.

iv) Finishing

The screeding process will be used to ensure correct levels are obtained and floating to provide a dense surface with no depressions or irregularities. The final surface shall be broomed to provide a non-slip surface.

Council in some areas may approve additional finished surfaces like patterns or exposed aggregate.

6. ASPHALT

i) Base course

The base course shall be an approved crushed rock material such as gravel or road base. Limestone cannot be used for this purpose. It shall be free from all organic material and spread evenly in the boxed out area to a minimum thickness of 150mm. It will be rolled and water bound to a tight compacted surface. A minimum compaction level of 95% of its maximum density is to be achieved.

ii) Asphalt

Asphalt shall meet AS2150 with 10mm aggregate and Class 320 bitumen and be laid to a minimum thickness of 30mm with a 50 blow compaction rating.

A tack coat shall be applied on the road base prior to the asphalt being laid.

The asphalt can be either red or black in colour but must match the footpath where applicable.

7. VERGE REINSTATEMENT

Any disturbance to adjacent verge must be reinstated. The area must be cleared of all excess works material and waste and be left in a safe and tidy condition.

8. MAINTENANCE

A defects period of 6 months shall apply to all works included as part of the crossover installation once completed. Any defects that become evident in that period must be repaired in a timely matter and to the satisfaction of the Town.

The Town will only provide maintenance services for minor repairs of asphalt crossovers. For maintenance works on crossover's that are concrete or pavers the cost will be bourn by the resident. Additionally any full replacements requirements for a crossover will be the resident's responsibility.

Diagram 1

Crossover layout plan:

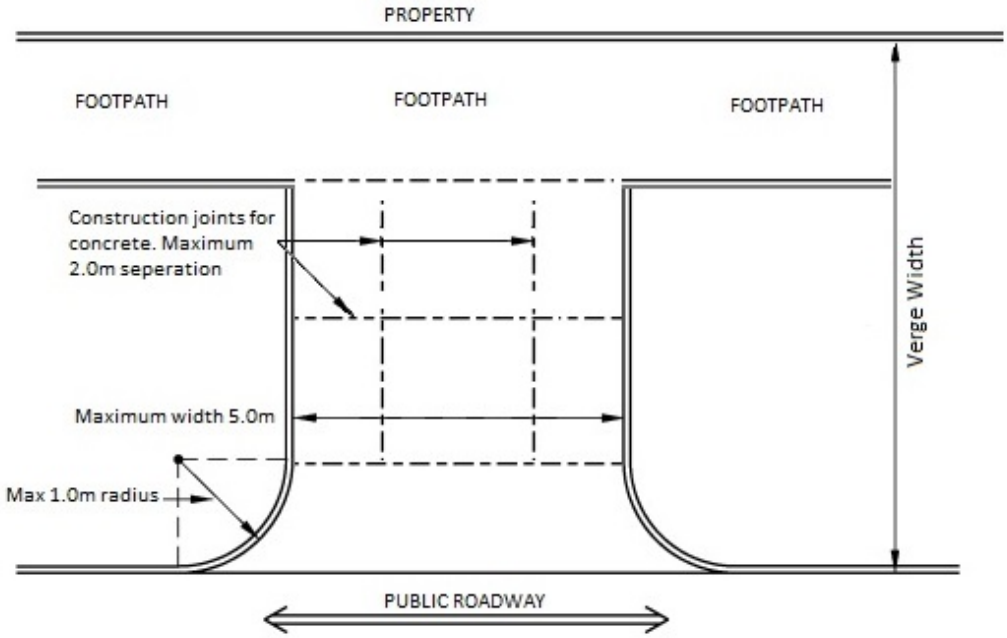

Diagram 2

Concrete crossover detail:

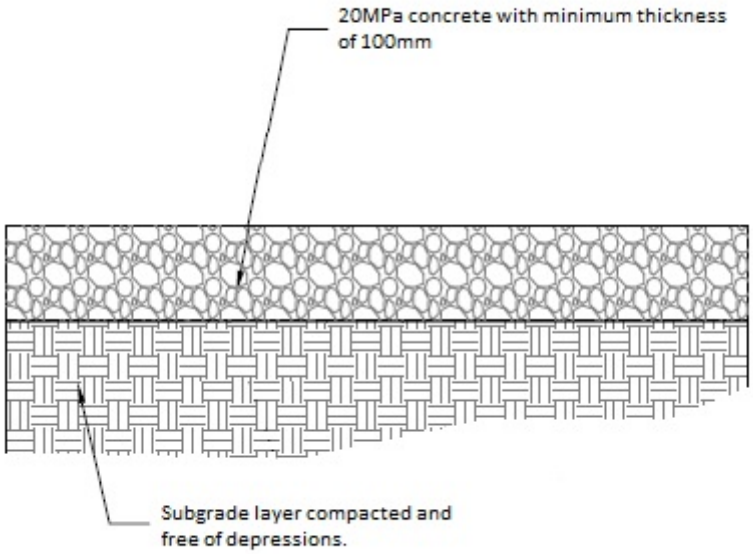

Diagram 3

Asphalt crossover detail: