

## **SECTION SEVEN**

### **CONCRETE PAVING**

#### **7.01 GENERAL**

This section specifies the construction of integral in situ concrete paving to the shape dimensions and location shown on the plans.

#### **7.02 CONCRETE**

All concrete must comply with Section Five 'Concrete' of this Specification.

#### **7.03 FORMATION**

The work must be aligned as shown on the drawings and is to be true to the grades shown on the drawings and without local irregularities.

The Contractor will be responsible for the excavation and trimming necessary to construct concrete paving true to line and grade.

#### **7.04 THICKNESS**

Unless otherwise specified or shown on the drawings footpath paving must be 75mm thick, except at vehicular crossings where it shall be 125mm or 150mm as required in the standard drawing.

Unsuitable sub-grade which is encountered or develops during construction is to be removed to the extent as determined by the Superintendent and replaced with approved bedding sand or fine crushed rock.

#### **7.05 FORM WORK**

All form work used on the works must be steel, dressed soft wood or other approved straight seasoned timber free from waifs, buckles and cracks. Particular care is to be taken in any curved work to ensure that the forms are set to a regular and uniform curve of the correct radius.

The form work and supports together with the method of securing and anchoring them are to be such that the whole unit when erected will form a rigid frame which will not move, deflect or distort during construction operations.

Form work is to be placed for a minimum length of 60 metres before pouring concrete. Shorter lengths may be used with the approval of the Superintendent where crossings pits or weather may dictate.

#### **7.06 INSPECTION AND APPROVAL**

The concrete must not be placed until the bedding and form work, when in position, have been inspected and approved by the Superintendent.

## **7.07 PLACING**

Construction methods must comply with Section Five 'Concrete' of this Specification.

The concrete must be placed immediately after mixing in monolithic sections and any break in the placing will be deemed a construction joint.

During and immediately after placing the concrete must be thoroughly compacted with approved tampers and screeded to a smooth even surface.

## **7.08 JOINTS**

Expansion joints 10mm wide are to be constructed in the footpath on both sides of all vehicular entrances crossings at street intersections and at intervals not exceeding 12 metres.

The joints must be filled to their full depth with premoulded bituminous strips or other approved premoulded filler.

Prior to initial set, weakened plane dummy joints 3mm wide, with 5mm radius arises are to be formed to a depth of at least 25mm in the footpath at intervals of 1.5 metres.

All joints are to be straight and at right angles to the line of the path.

Malthoid or other approved material are to be placed around all poles, Telstra pits, sewerage manholes and when applicable against the kerb lengthwise.

## **7.09 FINISHING**

The paving is to be finished to an approved even non skid surface as distinct from a smooth polished surface. This is to be achieved by trowelling the surface of the concrete immediately after it has been compacted by the vibrating screed. Excessive trowelling of the surface is to be avoided.

During trowelling, the surface may be lightly dusted with a mixture of equal proportions of approved bluestone dust and cement.

All joints together with the arises at the edges of the footpath paving are to be tooled to a 5mm radius at the same time as the surfaces are finished.

## **7.10 TOLERANCES**

Except at grade changes the finished surface must not vary more than 5mm from a straight edge 3 metres long.

## **7.11 VEHICULAR CROSSINGS**

Concrete vehicular crossings are to be constructed from the back of the vehicle laybacks to the edge of the thickened footpath where detailed on the plans or directed by the Superintendent.

Private crossings must be constructed only at the request of the individual owners who will make their request in writing to the Superintendent, who will in turn indicate their position to the Contractor.

## **7.12 PERMANENT SURVEY MARKS**

At street intersections, where indicated on the plans or where directed by the Superintendent, the Contractor must install Permanent Survey Marks in accordance with the Latrobe City Council's standard detail.

The Contractor is to fit a cast iron or pre-cast concrete box cover to the survey mark in position to the finished level of the footpath.

Covers and plaques for PSMs will be supplied by the Latrobe City Council.

Covers are to be installed over existing PSMs in the footpath and at intersections where no mark exists. The Contractor must give the Superintendent seven (7) days notice of his intention to lay concrete footpath at such intersection.