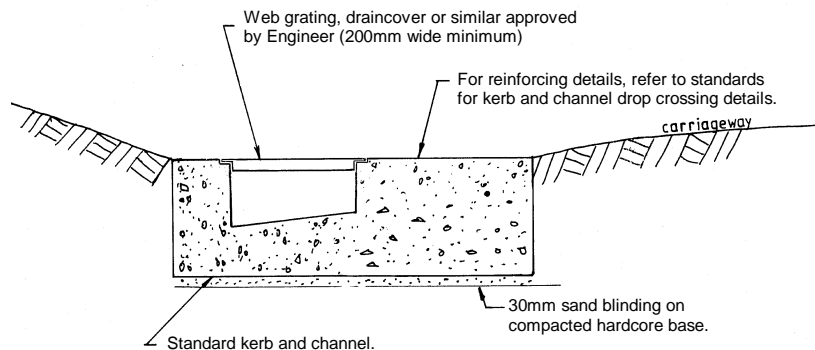


STANDARD BRIDGE CROSSING



NOTE:

- 1 All Concrete to be 20 MPa at 28 days.
- 2 Cover to steel 40mm minimum.
- 3 All dimensions in millimeters.

Guidelines on Entranceway Standards for Urban Vehicle Entrances



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Updated by: Tash Honey
Updated: 9 July 2009

A Road Works Consent is required prior to construction. This can be obtained from the Grey District Council.

The following 3 options are proposed to clarify the situation. It should be noted that the following comments relate to the situation where kerb and channel has been provided:

**Preferred Option
Drop Crossing (refer drawing 1)**

For normal circumstances the preferred option of entranceway crossing is the drop crossing.

**Alternative Options
Bridge Crossing (refer drawing 2)**

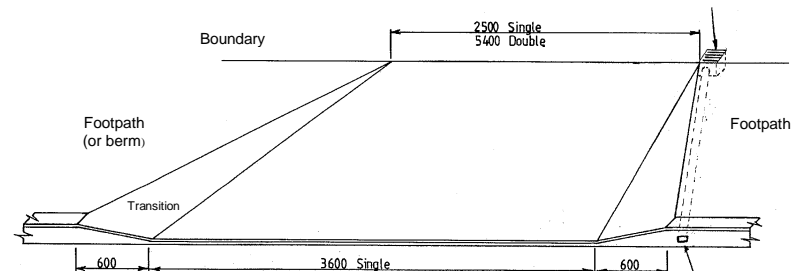
For areas where a drop crossing is not practical (normally where ground levels are too steep) and there is likely to be a large amount of foot traffic moving across the crossing, a bridge crossing will be used. These areas are likely to be places of assembly such as hotels, schools, churches, sports grounds etc.

The preferred standard for the crossing is one that uses a galvanized steel grill.

The disadvantage with this type of crossing is that they become a maintenance problem. Litter that ends up in the gutter that is not removed by street cleaning is washed under the bridge crossing and causes blockages. With the types of bridge crossings that are presently used (timber and steel) it is not practical to check each bridge crossing to see if there is a blockage. The proposal to use a see-through galvanized grill will allow the blockages to be quickly identified by Council's contractors and removed. It is also considered that property owners who are gaining the benefit of the crossing are more likely to assist Council in keeping the bridge crossing clear if blockages are visible.

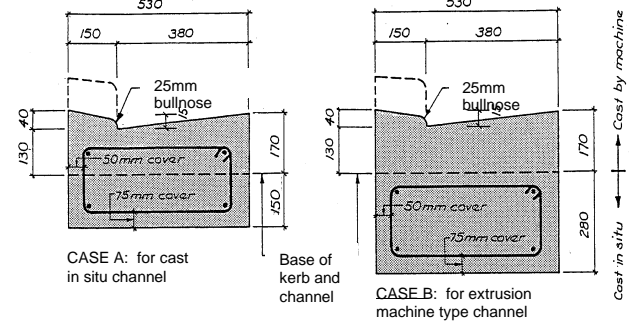


Drawing 1
STANDARD DROP CROSSING
Scale: NTS



- NOTES:**
- 1 Residential vehicle crossings can be chip seal or 120mm depth unreinforced concrete on 30mm mini fine granular material on compacted fill
 - 2 Crossings for commercial sites and joint ownership accessways to be 150mm depth concrete reinforced with 2 layers of HRC 665 or equivalent. Minimum cover to steel 40mm.
 - 3 All concrete to be 20MPa at 28 days.
 - 4 All dimensions in millimetres.
 - 5 Where angle of road carriageway vehicle crossings such that vehicles may scrape, a bridge or gap crossing is to be installed.
- Install kerb entry for stormwater. See house drain sump and kerb entry detail.

COMMERCIAL



- NOTE:**
- 1 Reinforcement – 4 D12 bars with R6 stirrups at 600 centres
 - 2 Reinforcement beam to extend 1.5m from base of cutdown at each end

RESIDENTIAL

