

For the construction of a Vehicle Crossing over Footways or Verges
SECTION 171 & 184, HIGHWAYS ACT 1980

1. Minimum crossing width to be 3.0m, gates, if provided should open inwards. If the surfacing material of the drive and footway are similar then a boundary line is required, eg concrete edgings. Ensure the driveway/parking area is properly consolidated and surfaced (not loose stone or gravel).
2. Dropped kerbs to have a minimum upstand of 12mm, dropper kerbs to be used to taper into existing kerbing, maximum slope 1:12. If the kerb radius is less than 12m then the appropriate radius kerbs will be used.
3. Maximum slope of crossing between the carriageway and the entrance should be 1:12 unless agree with the Area Engineer.
4. If the drive slopes towards the carriageway then drainage must be provided to prevent surface water flowing on to the public highway.
5. Ensure the driveway/parking area is properly consolidated and surfaced (not loose stone or gravel).
6. Ensure all obstructions, such as lighting columns and telegraph poles in the way of the access, are relocated if necessary.
7. All construction materials must conform with current national specifications, surface courses must not contain limestone aggregate.
8. Construction materials should match the existing footpath (except paving slabs) and kerbing unless otherwise agreed by the Area Engineer.
9. Crossings should be edged with 50 x 150mm precast concrete edgings when adjacent to a verge.
10. Kerbs to be laid on a wet concrete or mortar bed on 100mm thick concrete base with 225mm thick concrete backing to within 50mm of the top of the kerb. Edgings to be laid on 100mm concrete base with 100mm thick surround front and back to within 25mm of the top of the edging. All concrete to be Grade C10P.
11. **Light Duty Crossing** – the following types of construction are suitable for access to a single residential property for cars and light vans (if larger vehicles are likely to be used then the heavy duty type should be provided):
 - a) Bituminous
 - 20mm thickness of 6mm DBM 53psv surface course, with 125 pen grade bitumen to specification clause 909.
 - 100mm thickness of 20mm DBM binder course with 125 pen grade bitumen to specification 906.
 - 160mm thickness of clause 803 sub base on a pre compacted formation
 - b) Block Paviments
 - 80mm thick block paviments with a minimum PPTV of 45.
 - 50mm thickness of clean naturally occurring silica sand with rounded or sub-rounded particles to clause 1104.
 - 150mm thickness of clause 803 sub base on a pre compacted formation
 - c) Concrete
 - 100mm thickness of concrete Grade C20P
 - Waterproof membrane

SPECIFICATION

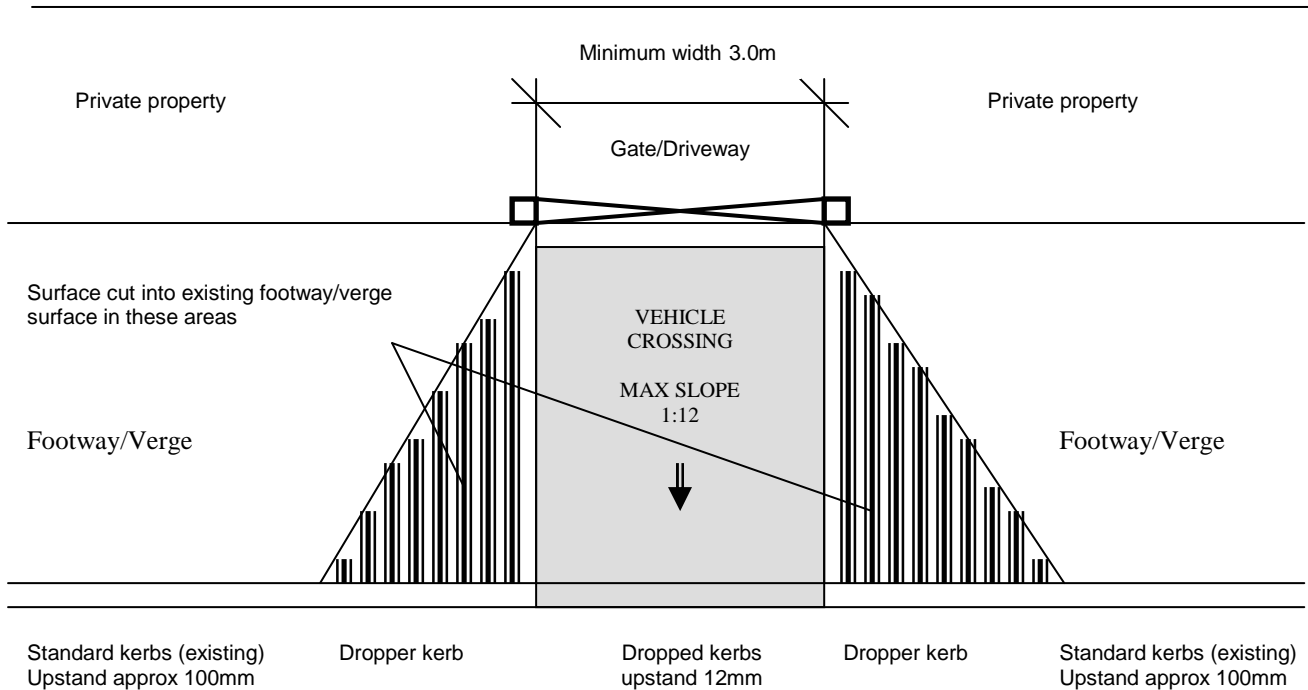
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100mm thickness of clause 803 sub base on a pre compacted formation

12. **Heavy Duty Crossing** – the following type of construction is suitable for access to commercial and other private properties for vehicles in excess of 3 tonnes unladen weight and up to a maximum of 20 tonnes laden weight (for vehicle crossings in excess of this weight please contact the Area engineer for a specification).

- a) **Concrete**
 150mm thickness concrete Grade C20P with one layer of B283 mesh reinforcement to BS4483 in the bottom of the slab with 50mm cover
 Waterproof membrane
 150mm thickness of clause 803 sub base on a pre compacted formation

13. Typical Layout



CARRIAGEWAY

If you would like any further information and/or an application form please contact us.

If you are unsure which Area Office to send your form to please contact our Customer Service Centre on 0845 155 1004 who will be happy to direct you, alternatively you can look it up on our website.

Area Highway Management Offices

Area North Highway Management Civic Centre, Barnstaple, Devon, EX31 1ED Tel: 01271 388898	Area East Highway Management Little Moor House Falcon Road Sowton Industrial Estate Exeter, EX2 7PL Tel: 01392 385080	Area South Highway Management Devon House, Brunel Road, Newton Abbot, Devon, TQ12 4PB Tel: 01392 380160
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