

**APPENDIX 2**

**SAFETY AUDIT**



### 3. Horizontal Alignment

3.1 Will sight lines along the road and at junctions be blocked by abutments, parapets, fences, signs, soft landscaping, central barriers, benches, parked/stationary vehicles, etc?

3.2 Is the horizontal alignment consistent throughout the works?

3.3 Are overtaking requirements satisfactory?

3.4 Is the transition from old work to the new scheme satisfactory?

3.5 Does visibility at locations where access roads, driveways, etc, are provided, meet the specifications for safety?

3.6 Are there any curves with adverse/inadequate crossfall?

3.7 Has the minimum sight triangle been provided at the following locations:

- intersections?
- roundabouts?
- other?

3.8 Is widening required on any horizontal curves? If so, has it been provided?

3.9 Do the horizontal alignments suit the corresponding vertical alignments? (visibility, appearance, comfort)

### 4. Vertical Alignment

4.1 Do the vertical curves satisfy sight distance requirements?

4.2 Do the vertical curves satisfy comfort requirements?

4.3 Are grades safe? (i.e. do not exceed the general maximum?)

4.4 Are pedestrian crossings located to maximise sight distance requirements?

### 5. Road Pavement

5.1 Is a high skid resistance pavement required to aid the drivability of the route?

5.2 Will the texture of the pavement affect day and night visibility?

5.3 Will areas which might be prone to skidding be treated with appropriate surface materials?

5.4 Is an open graded AC required?

5.5 If a Portland Cement Concrete Pavement is used, will the texture have any effect on the safety performance of the road pavement?

### 6. Road Signs

6.1 Are signs provided in accordance with the relevant guidelines?

### 7. Road Markings/Delineators

7.1 Are guide posts required?

7.2 Are edgelines required?

7.3 Are barrier lines required?

7.4 Will raised reflective pavement markers be required?

7.5 Are chevrons (painted pavement markings) required?

YES	NO	N/A.
	✓	
✓		
✓		
✓		
	✓	
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✓		
✓		
✓		
✓		
		✓
	✓	
	✓	
	✓	✓
	✓	
✓		
	✓	
	✓	
✓		
	✓	
	✓	



**11. Traffic Control Devices/Roundabouts**

- 11.1 Does the vertical alignment provide satisfactory stopping sight distance prior to roundabouts or other traffic control devices ?
- 11.2 Is the inscribed circle large enough to accommodate the turning manoeuvres of the largest vehicles expected to use the roundabout ?
- 11.3 Is the width of the circulating carriageway correct ?
- 11.4 Are the details regarding the central island satisfactory ?
- 11.5 Have pedestrian movements been considered at the roundabout to ensure that visibility is high for approaching vehicles and that suitable refuge areas have been provided ?
- 11.6 Are entry/exit areas and widths suitable ?
- 11.7 Are the splitter islands adequate in terms of:
  - sight distance ?
  - length ?
  - pedestrians ?
- 11.8 Is the deflection angle sufficient to reduce speed through the roundabout ?

YES	NO	N/A.
✓		✓
		✓
		✓
		✓
		✓
		✓
		✓
		✓

signed..... *Katrina Griffin* .....

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NPER-3 Registration number (if applicable).....