

**CHECKLIST 5: ROADWORK TRAFFIC SCHEME AUDIT**

Issue	Yes	No	Comment
<b>5.1 General items</b>			
<b>5.1.1 Alignment</b>			
Are the roadworks located safely with respect to horizontal and vertical alignment? If not, does works signing cater for this?			
Are the transitions from the existing road to the roadworks safe and clearly laid out?			
<b>5.1.2 Turning radii and tapers</b>			
Are turning radii and tapers constructed in accordance with guidelines?			
Are the tapers delineated by roadworks cones where necessary?			
Are the width of the lanes satisfactory for the traffic using the works area?			
Are the alignment of kerb, traffic islands and medians satisfactory?			
<b>5.1.3 Traffic lane safety and visibility</b>			
Is the work area clearly defined?			
Are the travel paths for both directions of traffic clearly defined? Is the work area appropriately separated from passing traffic?			
Are centre lines/lane lines/edge lines clear and unambiguous?			
Are sight and stopping distances adequate at works and at intersections and driveways?			
Are bus stops appropriately located with adequate clearance from the traffic lane for safety and visibility?			
Can passengers safely walk to and from bus stops?			
<b>5.1.4 Night-time safety</b>			
Is appropriate street lighting or other delineation provided at the roadworks to ensure that the site is safe at night? (Night-time inspection essential.)			
Is the works area safe for pedestrians and cyclists at night?			

Issue	Yes	No	Comment
<b>5.1.5 Maintenance</b>			
Can the road be maintained safely during construction (consider workers and the public)?			
Is the road surface likely to be free of gravel, mud or other debris?			
<b>5.1.6 Access to property</b>			
Do the roadworks safely accommodate property access?			
<b>5.1.7 Safety barriers</b>			
Are safety barriers used where required to separate works areas from public areas?			
Are safety barriers used where required to shield traffic from other hazards?			
Are the barriers of an approved type for the purpose and located and assembled correctly?			
Are safety barriers erected in a manner that: <ul style="list-style-type: none"> <li>▪ does not make them a hazard to traffic?</li> <li>▪ does not obstruct visibility?</li> </ul>			
<b>5.1.8 Inspections</b>			
Has the site been inspected day and night?			
<b>5.2 Traffic management</b>			
<b>5.2.1 Traffic controls</b>			
Are appropriate traffic management controls in place?			
Have the needs of cars, trucks, pedestrians, bicyclists, motorcyclists and bus users been considered?			
Is sight distance to traffic controllers adequate?			
Have parking and clearway matters been considered?			
Have the police and other emergency services been consulted?			
<b>5.2.2 Speed management</b>			
Are speed limit signs required for these works? If so, are they correctly applied?			
Are speed limit signs required to be maintained all day and at night?			
Are motorists informed of the need to slow down through the roadworks site?			

Issue	Yes	No	Comment
<b>5.2.3 Work site access</b>			
Are site entrances and exits safely located with adequate sight distance?			
Are traffic merges/exits/entries/turns properly delineated and controlled?			
Are adequate merge lengths provided?			
Are appropriate traffic controls in place where works traffic and public traffic interact?			
<b>5.3 Signs and pavement markings</b>			
<b>5.3.1 Signs</b>			
Are all necessary regulatory, warning and direction signs in place?			
Are they correctly placed, clean and conspicuous?			
Do they conform with AS 1724.3-1996 and other guidelines?			
If chevron alignment markers are installed, have the correct types been used?			
Have unnecessary signs been removed when works are not in progress? (for example, at night)			
Are traffic signs correctly located, with adequate lateral and vertical clearance?			
Are signs placed to not restrict sight distance, particularly for turning vehicles?			
<b>5.3.2 Day/night sign requirements</b>			
Are the correct signs used for each situation including at night where required, and is each sign necessary?			
<b>5.3.3 Traffic control</b>			
Are other traffic control devices according to standards and used correctly?			
Are flagmen or temporary traffic signals provided where required? (comment - where, when and how)			
<b>5.3.4 Delineation and reflective markers</b>			
Are traffic lanes clearly delineated?			
Have temporary reflective markers been installed?			

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Where coloured reflective markers are used, have they been installed correctly?			
<b>5.3.5 Pavement marking</b>			
Are all necessary pavement markings installed in accordance with guidelines?			
Are vehicle paths through the works area clear to motorists?			
Are works areas clearly defined and clear of through traffic when flagmen are not used?			
Have any issues of site difficulties for motorcyclists (day or night) been addressed?			
<b>5.3.6 Detours</b>			
Do temporary detours allow heavy vehicles and buses to safely manoeuvre in their designated lane?			
<b>5.4 Traffic signals</b>			
<b>5.4.1 Temporary traffic signals</b>			
Are the temporary traffic signals clearly visible to approaching motorists?			
Are signs warning of temporary traffic signals adequate?			
Has the need for additional warning signs been considered?			
Will the ends of vehicle queues be visible to motorists so that they may stop safely?			
<b>5.4.2 Location</b>			
Are traffic signals operating correctly? Is the number and location of signal displays adequate?			
<b>5.4.3 Visibility</b>			
Have any visibility problems caused by the rising or setting sun been addressed?			
Do any site works or any construction equipment create visibility problems for traffic signals?			
<b>5.4.4 Signal display</b>			
Are signal displays shielded so they can be seen only by the motorists for whom they are intended?			

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<b>5.4.5 Traffic movements</b>			
Are all movements, including pedestrians, catered for by the temporary traffic signals?			
<b>5.5 Pedestrians and cyclists</b>			
<b>5.5.1 General</b>			
Have the effects of the works areas on pedestrians and cyclists been considered?			
Are appropriate travel paths and crossing points provided for pedestrians and cyclists?			
Are pedestrians and cyclists adequately warned of obstructions and temporary works hazards on their traveled way?			
<b>5.5.2 Elderly and disabled access</b>			
Are there adequate safety access provisions for the elderly, disabled, children, wheel chairs and prams? (for example, holding rails, kerbs and median crossings, ramps)			
<b>5.5.3 Cyclists</b>			
Is the route available for bicycles continuous and free of squeeze points or gaps?			
<b>5.6 Road pavement</b>			
<b>5.6.1 Pavement defects</b>			
<p>Is the pavement free of defects (for example, excessive roughness or rutting, potholes, loose material, etc.) that could result in safety problems like loss of steering control for:</p> <ul style="list-style-type: none"> <li>▪ car drivers?</li> <li>▪ cyclists?</li> <li>▪ motorcyclists?</li> <li>▪ heavy vehicle drivers?</li> </ul>			
<b>5.6.2 Skid resistance</b>			
Does the pavement appear to have adequate skid resistance, especially on steep descents?			
<b>5.6.3 Ponding</b>			
Is the pavement free of areas where ponding or sheet flow of water may cause safety problems?			

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<b>5.6.4 Signal display</b>			
Are signal displays shielded so they can be seen only by the motorists for whom they are intended?			
<b>5.7 Any other matter</b>			
<b>Safety aspects not already covered</b>			
Have all other matters which may have a bearing on safety been addressed?			