

## TRAFFIC MANAGEMENT PLAN

### RM 13 Edgeline Marking in areas less than 65km/hr

Traffic Management Plan Reference	For Office Use Only			
<b>Organisation</b>	<b>Contractor</b> <i>Insert Contractor Name</i>	<b>Client</b> <i>Insert Client Name</i>		
<b>Contract Name/Number</b>	<i>Insert Contract Name</i>	<b>RCA Consent Reference</b> <i>Insert Where Required.</i>		
<b>Location</b>	<b>Road Name(s)</b> <i>Insert Road Name</i>	<b>Road Level (LV, 1, 2, 3)</b>  Level 1	<b>Speed Limit</b> <i>Insert Speed Limit</i>	<b>From RP</b> <i>Insert R.P</i>
<b>Description of Activity</b>	This is a mobile operation for either marking or re-marking of road edgelines using a Type A applicator.			
<b>Work Programme</b>	<i>Insert Work Programme</i>			
<b>Proposed/ Restricted Work Hours</b>	<i>Insert proposed or restricted hours of work</i>			
<b>Traffic Details (Main Route)</b>	<b>AADT</b> <i>Insert AADT ex RCA</i>	<b>Peak Hour Flow</b> <i>Insert Peak Hour Flows ex RCA</i>		

Superseded. No longer NZTA recommended guidance. Please refer to the New Zealand guide to temporary traffic management.

<b>Proposed Traffic Management Method</b>	<p><b>Active:</b></p> <p><b>Equipment:</b>  <u>Static Advance Warning Sign</u> – TW1.4 “Road Marking” sign with Next (Xkm) supplementary plate (Max distance of 4km).  <u>Works End signs</u> - Static TW16 “Works End” signs on all site exits.  <u>Work Vehicle - cone retrieval vehicle</u> - Complete with TW34 “Pass with Care” sign, and two flashing amber beacons that are visible from both directions of travel (arrow board optional).  <u>Work Vehicle</u> - Complete with TW34 “Pass with Care” sign, TW26 “Road Works” sign and two flashing amber beacons that are visible from both directions of travel.  <u>Delineation</u>  900mm cones are used for workplace delineation.  450mm cones may be used to protect wet markings.</p> <p><b>Method:</b></p> <ul style="list-style-type: none"> <li>• All vehicles will travel with the flow of traffic.</li> <li>• Advanced warning and end of works signs are placed.</li> <li>• Vehicles take position.</li> <li>• Following setup a <b>minimum lane width of 3m</b> is required for traffic to pass through the work site (motorists should be able to move past the operation as they would any other slow moving vehicle).</li> <li>• If the remaining lane width is between 2.75m and 3m, shadow vehicles with an arrow board must display the caution mode instead of the sequential right arrow.</li> </ul> <p><b>Note:</b> Work vehicles (cone retrieval) without an arrow board are restricted to working only when there is 3m of live lane for vehicles to pass.</p> <ul style="list-style-type: none"> <li>• If there is poor visibility due to weather work should cease.</li> <li>• The drying time will vary significantly dependent on the materials being applied, application parameters and the ambient conditions.</li> <li>• This Traffic Management Plan allows for a Separation distance (SD) between the work vehicle and tail pilot vehicle of up to 1km.</li> <li>• The operator of the work vehicle must maintain a consistent application speed. The marking speed will vary between 10 and 20km/h dependent on location, application set up and safe operating speeds.</li> <li>• Road marking may require the use of 450mm high cones to keep road-users off the markings until they set or dry, the use of cones will prevent vehicles from passing the operation on the right.</li> <li>• Cones will be placed from the work vehicle (applicator) to keep road users away from wet markings.</li> <li>• Cone runs must not exceed 1km.</li> <li>• Cones will be retrieved and stacked by the operator working from the deck of the Cone Retrieval vehicle rather than from the road.</li> <li>• It is necessary for cones to be returned to the lead working vehicle (applicator)</li> <li>• The transfer must take place in a safe location clear of the carriageway.</li> <li>• When the cone retrieval vehicle returns to its position, it must travel with the flow of traffic and all flashing lights and the arrow board must be switched off.</li> <li>• Tail pilot and cone recovery vehicle position on the carriageway are used to manage traffic flow.</li> <li>• All the vehicles in the operation travel close to the edgeline, to ensure the traffic passes them on their right hand side. An indication will be given to motorists to move past the operation on the right as and when there is sufficient room.</li> <li>• All vehicles are in communication at all times.</li> <li>• Cones are retrieved before the removal of any advanced warning and end of works signs.</li> <li>• All flashing amber beacons will be left on until vehicles have merged with traffic.</li> </ul>
---	--

BEST PRACTICE TTM FOR ROAD MARKING ACTIVITIES

RM TMP 13 Edgeline Marking in areas less than 65km/hr

	<p><b>Unattended:</b></p> <p>N/A</p>	
	<p><b>Night:</b></p> <p>As per "Active" above.</p>	
<b>Proposed Speed Restrictions</b>	N/A	
<b>Positive Traffic Management Measures</b>	N/A	
<b>Contingency Plans</b>	<p>In the event of a "<b>Major Incident</b>" (Fatality, serious harm injury [real or potential] or significant property damage):</p> <ul style="list-style-type: none"> <li>• The site will be secured to prevent the prospect of further injury or damage</li> <li>• The emergency services will be notified</li> <li>• The Engineer / RCA will be notified.</li> </ul> <p>In the event of an "<b>Incident</b>" (Non injury accident or structural failure of the road):</p> <ul style="list-style-type: none"> <li>• The site will be secured to prevent the prospect of further injury or damage</li> <li>• The Engineer / RCA will be notified.</li> </ul> <p>In the event of "<b>Significant delays</b>" to road users, (10 or more vehicles) the activity will be halted and equipment removed from the "live lane". The activity will only recommence when traffic volumes are at a level to reduce road users delays</p>	
<b>Public Notification</b>	N/A	
<b>Personal Safety</b>	All staff will operate in terms of this approved Traffic Management Plan, the intent of the NZTA CoPTTM and the Company's Health and Safety Management Plan for this type of operation.	
<b>On-Site Monitoring</b>	All sites will be continuously monitored by the site STMS, site TC, site supervisor and / or other staff involved in the process and as dictated by the traffic volumes, weather conditions, etc.	
<b>Other Information</b> <i>(eg. delay calcs, EED issues, temporary speed issues, etc)</i>	N/A	
<b>Layout Diagrams</b>	See attached diagram at back of this TMP.	
<b>EED Applicable?</b>	No	<b>Attached</b> No

BEST PRACTICE TTM FOR ROAD MARKING ACTIVITIES

RM TMP 13 Edgeline Marking in areas less than 65km/hr

<b>Traffic Controllers</b>	<b>Name (STMS):</b> <i>Insert details</i>	<b>Phone (24 hours)</b>  <i>Insert details</i>
	<b>Cert No:</b> <i>Insert details</i>	
	<b>Name (TC)</b> <i>Insert details</i>	<b>Phone (24 hours)</b>  <i>Insert details</i>
	<b>Cert No:</b> <i>Insert details</i>	
<b>TMP prepared accurately to represent site conditions and submitted by</b>	<b>Contractor/Applicant</b> <i>Insert details</i>  <b>Cert No:</b> <i>Insert details</i>	<b>Date</b>  <i>Insert details</i>
<b>Requires Amendment</b>	<b>Engineer</b> <i>Insert details</i>  <b>Cert No:</b> <i>Insert details</i>	<b>Date</b>  <i>Insert details</i>
<b>This TMP is Approved on the Following Basis</b>		
<p>1. To the best of the approving Engineer’s judgment this TMP conforms to the requirements of the NZTA CoPTTM.</p> <p>2. This plan is approved on the basis that the <b>activity, the location and the road environment have been correctly represented by the applicant.</b> Any inaccuracy in the portrayal of this information is the responsibility of the applicant. The STMS for the activity is reminded that it is the STMS’s duty to “Postpone, cancel or modify operations due to the adverse traffic, weather or other conditions that affect the safety of this site” (reference A4.5).</p> <p>Approving Engineer: .....  <i>(Name and Certificate Number)</i></p> <p>.....  <i>(Signature)</i></p>		
<b>Acceptance by TMC</b>	<b>TMC:</b> <i>Insert details</i> .....  <b>Cert No:</b> <i>Insert details</i> .....  <b>Signature:</b> .....	<b>Date:</b> <i>Insert details</i> .....

**LEVEL 1 - TWO LANE - TWO WAY ROAD  
EDGE LINE IN AREAS LESS THAN 65KPH**

