



## **LEVEL CROSSING MAINTENANCE**

### **STANDARD TRAFFIC MANAGEMENT PLAN**

**To get this standard TMP approved as a generic TMP an STMS needs to:**

- Follow the instructions shown in red in the standard TMP**
- Submit the completed GTMP to the appropriate road controlling authority for approval**

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## Level Crossing Maintenance for period **(add year of operation)**

Use this form for complex activities. Refer to the NZ Transport Agency's Traffic control devices manual, part 8 Code of practice for temporary traffic management (CoPTTM), section E, appendix A for a guide on how to complete each field.

<b>Organisations /TMP reference</b>	<b>TMP reference:</b> Insert reference	<b>Contractor:</b> KiwiRail	<b>Principal (Client):</b> New Zealand Railways Corporation		
				<b>RCA:</b> Add name of the RCA that the TMP is to be submitted to	
<b>Location details and road characteristics</b>	<b>Road names and suburb</b>		<b>House no./RPs</b> <i>(from and to)</i>	<b>Road level</b>	<b>Permanent speed</b>
	All roads where signalised railway level crossings occur (list of crossing locations attached see Appendix 4)		_____	Level LV Level 1 Level 2	Various
<b>Traffic details (main route)</b>	<b>AADT</b> Various <10,000 vpd		<b>Peak flows</b> Peak traffic times are to be avoided as detailed below in the planned work programme		
<b>Description of work activity</b>					
Routine maintenance of railway level crossing alarm and barrier systems					
<b>Planned work programme</b>					
<b>Start date</b>		<b>Time</b>		<b>End date</b>	
<b>Consider significant stages, for example:</b> • road closures • detours • no activity periods.	Planned work to be undertaken: <ul style="list-style-type: none"> <li>during daylight hours</li> <li>outside of peak traffic times whenever possible</li> </ul> Callouts for faults will be completed at night and at peak times (if needed)				
<b>Alternative dates if activity delayed</b>	As this is a generic TMP the work activity is to be carried out on an as required basis within agreed times and dates for a 12-month period. Therefore, alternative dates will not be required.				
<b>Road aspects affected</b> <i>(delete either Yes or No to show which aspects are affected)</i>					
<b>Pedestrians affected?</b>	No	<b>Property access affected?</b>	No	<b>Traffic lanes affected?</b>	No
<b>Cyclists affected?</b>	No	<b>Restricted parking affected?</b>	No	<b>Delays or queuing likely?</b>	No
<b>Proposed traffic management methods</b>					
<b>Installation</b> <i>(includes parking of plant and materials storage)</i>	When approaching the level crossing the driver of the vehicle will: <ul style="list-style-type: none"> <li>Switch on the vehicles' amber flashing beacon to indicate the intention to leave the carriageway</li> <li>Indicate</li> <li>Slow down and move into the shoulder/parking area.</li> </ul> Once outside the live lane the vehicle will be parked at the furthest lateral position from the edgeline. Amber flashing beacon to remain on and indicator lights in hazard mode, if required, for extra warning. Added protection behind a roadside barrier to be sought and used whenever available to park the vehicle.				

<b>Attended (day)</b>	<p>A methodology for each activity is provided in the level crossing procedures of this document and in Appendix 3: Traffic management diagrams (TMDS).</p> <p>Where barriers or alarms are used to stop traffic, queues will be monitored continuously. Where queues extend to the WX1R/L (PW57) sign or 5 minutes has passed, work will cease (if on the lane) and the barriers or alarms will be removed and traffic allowed to clear.</p>
<b>Attended (night)</b>	<p>A methodology for each activity is provided in the level crossing procedures of this document and in Appendix 3: Traffic management diagrams (TMDS).</p> <p>Where barriers or alarms are used to stop traffic, queues will be monitored continuously. Where queues extend to the WX1R/L (PW57) sign or 5 minutes has passed, work will cease (if on the lane) and the barriers or alarms will be removed and traffic allowed to clear.</p>
<b>Unattended (day)</b>	<p>A methodology for each activity is provided in the level crossing procedures of this document and in Appendix 3: Traffic management diagrams (TMDS).</p>
<b>Unattended (night)</b>	<p>Methodology for each activity is provided in the level crossing procedures of this document and in Appendix 3: Traffic management diagrams (TMDS).</p>
<b>Detour route</b>	<p>Detours will not be required for this work activity.</p>
	<p>Does detour route go into another RCA's roading network? <del>No</del> <i>(delete either Yes or No)</i></p> <p>If Yes, has confirmation of acceptance been requested from that RCA? <del>Yes</del> <i>(delete either Yes or No)</i></p> <p><b>Note:</b> Confirmation of acceptance from affected RCA must be submitted prior to occupying the site.</p>
<b>Removal</b>	<p>When leaving the site, the driver will:</p> <ul style="list-style-type: none"> <li>• Turn off hazard indicators where used</li> <li>• Indicate and wait until there is a gap in traffic</li> <li>• Move into the carriageway and accelerate to the permanent speed limit</li> <li>• Turn off the indicator and amber flashing beacon.</li> </ul>

**Proposed TSLs** (see TSL decision matrix for guidance)

	<b>TSL details as required</b> Approval of Temporary Speed Limits (TSL) are in terms of Section 5 of Land Transport Rule: Setting of Speed Limits 2003, Rule 54001 <i>(List speed, length and location)</i>	<b>Times</b> <i>(From and to)</i>	<b>Dates</b> <i>(Start and finish)</i>	<b>Diagram ref. no.s</b> <i>(Layout drawings or traffic management diagrams)</i>
<b>Attended day/night</b>	Temporary speed limits will not be required	_____	_____	_____
<b>Unattended day/night</b>	Temporary speed limits will not be required	_____	_____	_____

**Positive traffic management measures**

Not required

Contingency plans		
<p><b>Generic contingencies for:</b></p> <ul style="list-style-type: none"> <li>major incidents</li> <li>incidents</li> <li>pre planned detours.</li> </ul> <p><i>Remove any options which do not apply to your job</i></p>	<p><b>Major Incident</b></p> <p>A major incident is described as:</p> <ul style="list-style-type: none"> <li>Fatality or serious injury - real or potential</li> <li>Significant property damage, or</li> <li>Emergency services (police, fire, etc) require access or control of the site.</li> </ul>	<p><b>Actions</b></p> <p>The STMS/TC must immediately conduct the following:</p> <ul style="list-style-type: none"> <li>stop all activity and traffic movement</li> <li>secure the site to prevent (further) injury or damage</li> <li>contact the appropriate emergency authorities</li> <li>render first aid if competent and able to do so</li> <li>notify the RCA representative and / or the engineer</li> <li>under the guidance of the 'officer in charge' (police or fire) of the site, reduce effects of TTM on the road or remove the activity if safe to do so</li> <li>re-establish TTM and traffic movements when advised by officer in charge that it is safe to do so.</li> </ul>
	<p><b>Incident</b></p> <p>An incident is described as:</p> <ul style="list-style-type: none"> <li>excessive delays - real or potential</li> <li>minor or non-inquiry accident that has the potential to affect traffic flow</li> <li>structural failure of the road.</li> </ul>	<p><b>Actions</b></p> <p>The STMS/TC must immediately conduct the following:</p> <ul style="list-style-type: none"> <li>stop all activity and traffic movement if required</li> <li>secure the site to prevent the prospect of injury or further damage</li> <li>notify the RCA representative and / or the engineer</li> <li>STMS to implement a plan to safely remove TTM and to establish normal traffic flow if safe to do so</li> <li>re-establish TTM and traffic movements when it is safe to do so and when traffic volumes have reduced.</li> </ul>
	<p><b>Detour</b></p> <p>If because of the on-site activity it will not be possible to remove or reduce the effects of TTM once it is established a detour route must be designed. This is likely for:</p> <ul style="list-style-type: none"> <li>excessive delays when using an alternating flow design for TTM</li> <li>redirecting one direction of flow and / or</li> <li>total road closure and redirection of traffic until such time that traffic volumes reduce and tailbacks have been cleared.</li> </ul> <p>The risks in the type of work being undertaken, the risks inherent in the detour, the probable duration of closure and availability and suitability of detour routes need to be considered.</p> <p>The detour and route must be designed including:</p> <ul style="list-style-type: none"> <li>pre approval from the RCA's whose roads will be used or affected by the detour route</li> <li>ensure that TTM equipment for the detour – signs etc are on site and pre installed.</li> </ul>	<p><b>Actions</b></p> <p>When it is necessary to implement the pre-planned detour the STMS must immediately undertake the following:</p> <ul style="list-style-type: none"> <li>Notify the RCA and / or the engineer when the detour is to be established</li> <li>Drive through the detour in both directions to check that it is stable and safe</li> <li>Remove the detour as soon as it practicable and safe to do so and the traffic volumes have reduced and tailbacks have cleared</li> <li>Notify the RCA and / or the engineer when the detour has been disestablished and normal traffic flows have resumed.</li> </ul>

	<p><b>Note also the requirements for no interference at an accident scene:</b></p> <p>In the event of an accident involving serious harm the STMS/TC must ensure that nothing, including TTM equipment, is removed or disturbed and any wreckage article or thing must not be disturbed or interfered with, except to:</p> <ul style="list-style-type: none"> <li>• Save a life of, prevent harm to or relieve the suffering of any person, or</li> <li>• To maintain the access of the general public to an essential service or utility, or</li> <li>• To prevent serious damage to or serious loss of property.</li> </ul>			
<p><b>Other contingencies to be identified by the applicant</b> <i>(i.e. steel plates to quickly cover excavations)</i></p>	<ol style="list-style-type: none"> <li>1. High Traffic volume on-site: Work will not begin until excess traffic has been cleared. Where the work is carried out clear of the carriageway it is unlikely the traffic will be affected. However, at any time when the work activity results in a buildup of traffic, work will cease until traffic has cleared.</li> <li>2. Access for emergency vehicles: At any time, a crossing is closed to traffic, the crossing will be opened immediately to allow emergency services to pass.</li> <li>3. Inclement Weather: If visibility is reduced to less than the clear sight distance required for the road user, work will cease until visibility is restored.</li> <li>4. Traffic accidents on site: These procedures are to be followed in the event of a traffic accident on site:               <ol style="list-style-type: none"> <li>a. A fire extinguisher and First Aid kit are to be carried in each work vehicle</li> <li>b. Emergency services to be contacted when required to attend.</li> </ol> </li> </ol>			
<b>Authorisations</b>				
<b>Parking restriction(s) alteration authority</b>	<b>Will controlled street parking be affected?</b>	No	<b>Has approval been granted?</b>	_____
	_____			
<b>Authorisation to work at permanent traffic signal sites</b>	<b>Will portable traffic signals be used or permanent traffic signals be changed?</b>	No	<b>Has approval been granted?</b>	_____
	_____			
<b>Road closure authorisation(s)</b>	<b>Will full carriageway closure continue for more than 5 minutes (or other RCA stipulated time)?</b>	No	<b>Has approval been granted?</b>	_____
	_____			
<b>Bus stop relocation(s) – closure(s)</b>	<b>Will bus stop(s) be obstructed by the activity?</b>	No	<b>Has approval been granted?</b>	_____
	_____			
<b>Authorisation to use portable traffic signals</b>	<b>Make, model and description/number</b>	_____		
	<b>NZTA compliant?</b>	Yes _____ <i>(delete either Yes or No)</i>		
<b>EED</b>				
<b>Is an EED applicable?</b>	No	<b>EED attached?</b>	No	
<b>Delay calculations/trial plan to determine potential extent of delays</b>				
Not required				
<b>Public notification plan</b>				
Not required				
<b>Public notification plan attached?</b>	No			

On-site monitoring plan					
<b>Attended day</b>	STMS/TC to record details of the worksite onto the KiwiRail daily site record (Appendix 1)				
<b>Unattended (day and/or night)</b>	Temporary warning signs will be checked every 24hrs when barriers and or alarms are not working.				
Method for recording daily site TTM activity (e.g. CoPTTM on-site record)					
KiwiRail daily site record.					
Site safety measures					
<p>All personnel on site will wear high visibility garments.</p> <p>A hazard checklist will be completed and potential traffic hazards identified – site personnel will be briefed on the hazards.</p> <p>All personnel on site will comply with the requirements of the KiwiRail Site Safety Plan.</p>					
Other information					
<p>Signals (which include railway bells, lights and barriers) are legal mechanisms for enforcing a compulsory stop of traffic.</p> <p>In extreme cases where traffic must be stopped (e.g. a broken barrier arm) the signals will be used to stop traffic for no more than 5 minutes.</p> <p>The following additional information is provided:</p> <ul style="list-style-type: none"> <li>• Location and layout of local Level Crossings where this TMP will be implemented.</li> </ul>					
Site specific layout diagrams					
Number	Title				
1	General maintenance of barriers and signal				
2	Annual inspections and maintenance				
3a	Alignment of lights. (LED)				
3b	Alignment of lights (non LED)				
4	Replacing a barrier arm				
5	Level crossing barriers not operating				
6	Level crossing alarms not operating				
7	Level crossing alarms and barriers not operating				
Contact details					
	Name	24/7 contact number	CoPTTM ID	Qualification	Expiry date
<b>Principal</b>	To be completed for each RCA road network				
<b>TMC</b>	To be completed for each RCA road network				
<b>Engineers' representative</b>	To be completed for each RCA road network where required				
<b>Contractor</b>	To be completed for each RCA road network				
<b>STMS</b>	Named on KiwiRail daily site record (Appendix 1)				
<b>TC</b>	Named on KiwiRail daily site record (Appendix 1)				
<b>Others as required</b>	_____	_____	_____	_____	_____

TMP preparation						
Preparation	<i>To be added</i>	<i>To be added</i>	<i>To be added</i>	<i>To be added</i>	<i>To be added</i>	<i>To be added</i>
	Name (STMS qualified)	Date	Signature	ID no.	Qualification	Expiry date
This TMP meets CoPTTM requirements					Number of diagrams attached	
					As per schedule attached	
TMP returned for correction (if required)						
	Name	Date	Signature	ID no.	Qualification	Expiry date
Engineer/TMC to complete following section when approval or acceptance required						
Approved by TMC/engineer (delete one)						
	Name	Date	Signature	ID no.	Qualification	Expiry date
Acceptance by TMC (only required if TMP approved by engineer)						
	Name	Date	Signature	ID no.	Qualification	Expiry date
Qualifier for engineer or TMC approval						
<p>Approval of this TMP authorises the use of any regulatory signs included in the TMP or attached traffic management diagrams.</p> <p>This TMP is approved on the following basis:</p> <ol style="list-style-type: none"> <li>To the best of the approving engineer's/TMC's judgment this TMP conforms to the requirements of CoPTTM.</li> <li>This plan is approved on the basis that the activity, the location and the road environment have been correctly represented by the applicant. Any inaccuracy in the portrayal of this information is the responsibility of the applicant.</li> <li>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.</li> </ol>						
Notification to TMC prior to occupying worksite/Notification completed						
Type of notification to TMC required	As agreed with RCA	Notification completed	Date	<input type="text"/>		
			Time	<input type="text"/>		



## Level Crossing Maintenance Procedures

### 1. Monthly inspection and maintenance of barriers, bells and alarms

Activity	Duration	Location	Effect on traffic	Proposed TM Method	Relevant Diagram(s)
<p>Checking and adjusting the operation of all equipment on site.</p> <ul style="list-style-type: none"> <li>• This involves moving between the components of the system and crossing the road to inspect the equipment located on the opposite location.</li> <li>• May also include activity (3a) or (3b) Alignment of Signal Lenses (lights) LED/NON LED.</li> </ul>	10mins	At mast location on railway reserve. Minimum 1m clear of the carriageway at all times	NIL	<p>Daylight hours only</p> <p>Inspector will remain clear of the carriageway at all times</p> <p>Work Vehicle must be parked in a position where it will not obstruct the road users' view of the crossing alarm lights or existing/temporary road signs</p>	1, 3a, 3b

## 2. Annual inspection and maintenance of barriers, bells and alarms

Activity	Duration	Location	Effect on traffic	Proposed TM Method	Relevant Diagram(s)
<p>Checking and adjusting the operation of all equipment on site.</p> <ul style="list-style-type: none"> <li>• This involves moving between the components of the system and crossing the roads to inspect the equipment located on the opposite location.</li> <li>• Barrier arms may need to be lowered to check operation.</li> <li>• May also include activity (3a) or (3b) Alignment of Signal Lenses (lights) LED/NON LED</li> </ul>	<p>Up to 1 hour</p>	<p>At mast location on railway reserve. Minimum 1m clear of the carriageway at all times</p>	<p>MINOR</p> <p>Short delay when operation of the barrier arm is tested (approximately 1 minute)</p>	<p>Static Operation, Not on a live lane,  Daylight hours only</p> <p>Work Vehicle must be parked in a position where it will not obstruct the road users' view of the crossing alarm lights or existing/temporary road signs</p>	<p>2, 3a, 3b</p>

### 3a Alignment of signal lenses (lights) LED

Activity	Duration	Location	Effect on traffic	Proposed TM Method	Relevant Diagram(s)
<p>Checking the alignment of the signal lights.</p> <ul style="list-style-type: none"> <li>LED lights are non-directional and can be aligned from the supporting mast position.</li> </ul>	<p>Up to 10 mins</p>	<p>At mast location on railway reserve. Minimum 1m clear of the carriageway at all times</p>	<p>NIL</p>	<p>Daylight hours only</p> <p>Inspector will remain clear of the carriageway at all times</p> <p>Work Vehicle must be parked in a position where it will not obstruct the road users' view of the crossing alarm lights or existing/temporary road signs</p>	<p>3a</p>

### 3b Alignment of signal lenses (lights) non-LED

Activity	Duration	Location	Effect on traffic	Proposed TM Method	Relevant Diagram(s)
<p>Checking the alignment of the signal lights.</p> <ul style="list-style-type: none"> <li>• Non-LED lights are directional and must be aligned to focus at a particular location on the approaching traffic lane.</li> <li>• The inspector (focus checker) is required to check the alignment from a position on the carriageway. This can be achieved by crossing the road at the required point and checking the focus visually as the focus point is reached.</li> </ul>	<p>Up to 10 mins</p> <p>Up to 10 seconds crossing the live traffic lane</p>	<p>At mast location on railway reserve.</p> <p>On the carriageway</p> <p>While crossing the road at a point 70m away from the railway crossing</p>	<p>NIL</p>	<p>Daylight hours only</p> <p>Inspector will only enter the carriageway when there is no approaching traffic.</p> <p>Clear sight distance for the activity is to be maintained.</p> <p>Inspector will leave the carriageway on approach of a vehicle.</p> <p>Where clear sight distance cannot be achieved, or in high traffic areas, a spotter will be deployed to warn the focus checker of approaching traffic.</p> <p>The worker adjusting the light may act as the spotter for the person checking the focus under the following conditions;</p> <ul style="list-style-type: none"> <li>• Clear sight distance is available to</li> </ul>	<p>3b</p>

				<p>approaching road users in the direction of the focus checker</p> <ul style="list-style-type: none"> <li>• The spotter is able to communicate easily and immediately with the focus checker. using an RT</li> </ul> <p>Work Vehicle must be parked in a position where it will not obstruct the road users' view of the crossing alarm lights or existing/temporary road signs</p>	
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#### 4 Replacement of lightweight barrier arms

Activity	Duration	Location	Effect on traffic	Proposed TM Method	Relevant Diagram(s)
<p>The barrier arms are raised to the vertical position, pivoted 90° and lowered parallel with the road.</p> <ul style="list-style-type: none"> <li>The damaged arm can be replaced in this position without obstructing the carriageway.</li> <li>It may be necessary for the worker to enter the carriageway for up to 2 minutes if the barrier is damaged and it cannot be raised. In this circumstance, the alarms will be operating and traffic will be stopped (Note: to be used if the alarms are also not operating)</li> </ul>	Up to 10 mins	At mast location on railway reserve.	<p>MINOR</p> <p>Short delay while operation of the barrier arm is tested approximately 1 minute</p> <p>(less than a typical passing train)</p>	<p>Static Operation,</p> <p>May require access to the carriageway while alarms are in operation</p> <p>Work Vehicle must be parked in a position where it will not obstruct the road users' view of the crossing alarm lights or existing/temporary road signs</p>	4

## 5 Barrier not operating

Activity	Duration	Location	Effect on traffic	Proposed TM Method	Relevant Diagram(s)
Advance warning to be installed at the site to give warning of barrier arms not operating.	Possibly up to several days	On the approach to the non-operational barrier and below the cross bar at the crossing point.	SAFETY COMPROMISED  Managed with temporary sign	Temporary warning signs (OTHER HAZARD) and (BARRIERS NOT WORKING) below the existing WX1R/L (PW57)  Work Vehicle must be parked in a position where it will not obstruct the road users' view of the crossing alarm lights or existing/temporary road signs	5

## 6 Signals not operating

Activity	Duration	Location	Effect on traffic	Proposed TM Method	Relevant Diagram(s)
Advance warning to be installed at the site to give warning of signals not operating.	Various, possibly up to several days	<p>Across the crossing site.</p> <p>On the approach to the non-operational signals and below the cross bar at the crossing point.</p>	<p>SAFETY COMPROMISED</p> <p>Managed with temporary sign</p>	<p>Temporary warning signs (OTHER HAZARD) and (SIGNALS NOT WORKING) below the existing WX1R/L (PW57)</p> <p>Cover flashing lights at crossing with orange bags</p> <p>Work Vehicle must be parked in a position where it will not obstruct the road users' view of the crossing signal lights or existing/temporary road signs</p>	6



## 7 Barriers and signals not operating

Activity	Duration	Location	Effect on traffic	Proposed TM Method	Relevant Diagram(s)
Advance warning to be installed at the site to give warning of barriers signals not operating.	Possibly up to several days	<p>Across the crossing site.</p> <p>On the approach to the non-operational barriers and signals and below the cross bar at the crossing point.</p>	<p>SAFETY COMPROMISED</p> <p>Managed with temporary sign</p>	<p>Temporary warning signs (OTHER HAZARD), (SIGNALS NOT WORKING) and (BARRIER NOT WORKING) below the existing WX1R/L (PW57) and below the cross bar at the crossing</p> <p>Cover flashing lights at crossing with orange bags</p> <p>Work Vehicle must be parked in a position where it will not obstruct the road users' view of the crossing alarm lights or existing/temporary road signs</p>	7



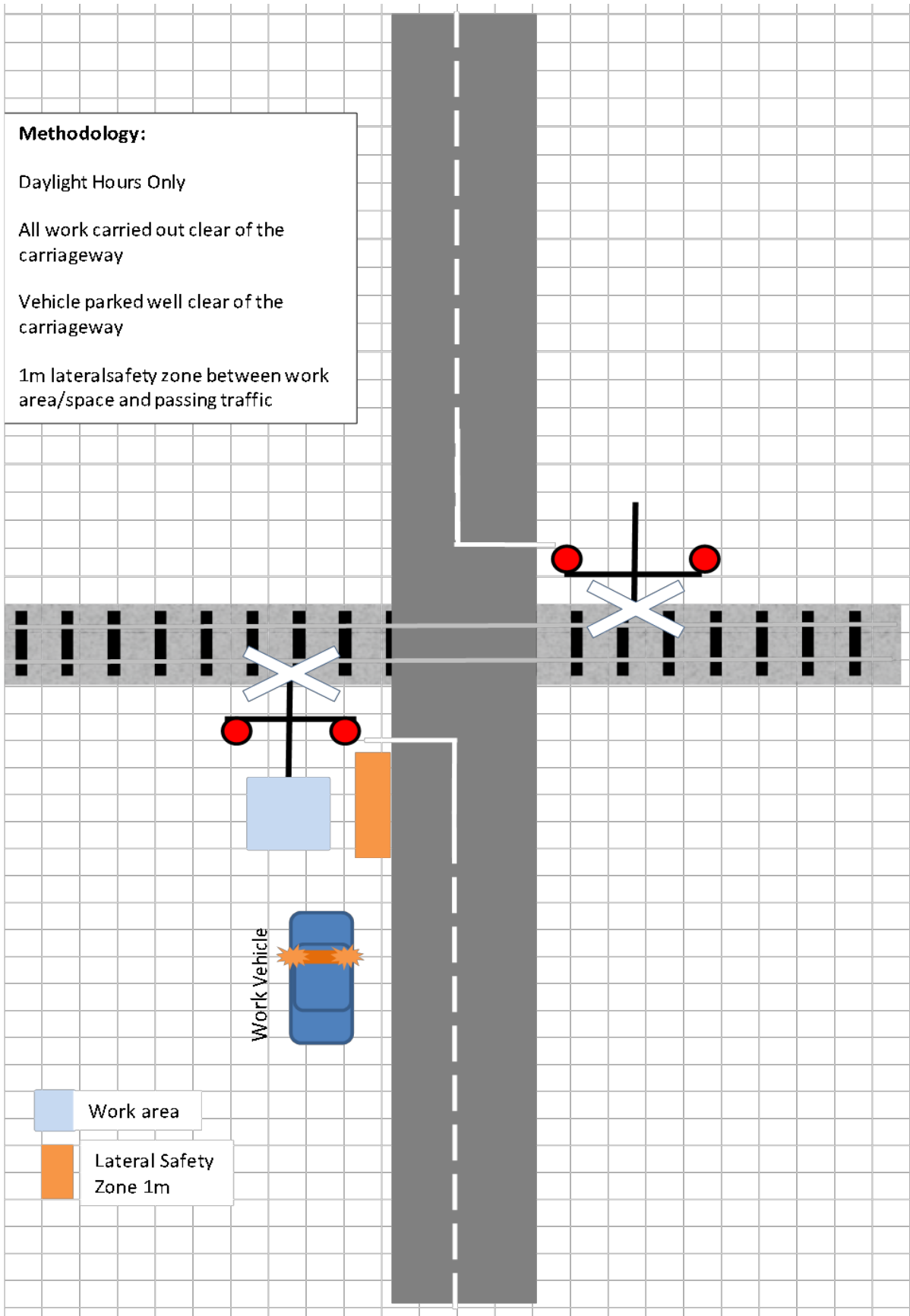
## **Appendix 2: STMS List**

Refer to KiwiRail local office for an updated list of STMS for the area

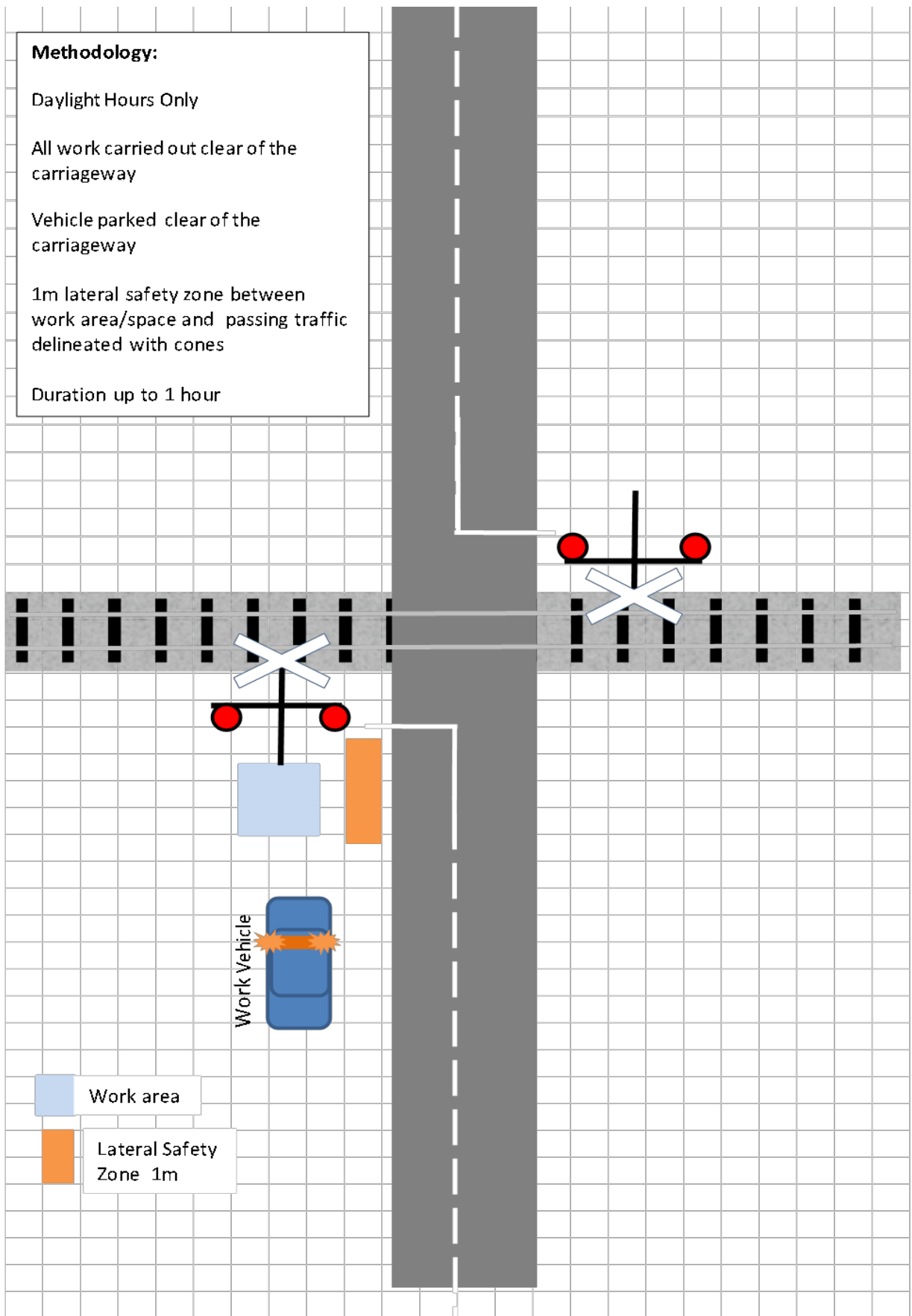
## **Appendix 3: Traffic Management Diagrams (TMDs)**

- 1** General maintenance of barriers and signals
- 2** Annual inspections and maintenance
- 3a** Alignment of lights. (LED)
- 3b** Alignment of lights (non LED)
- 4** Replacing a lightweight barrier arm
- 5** Level crossing barriers not operating
- 6** Level crossing alarms not operating
- 7** Level crossing alarms and barriers not operating

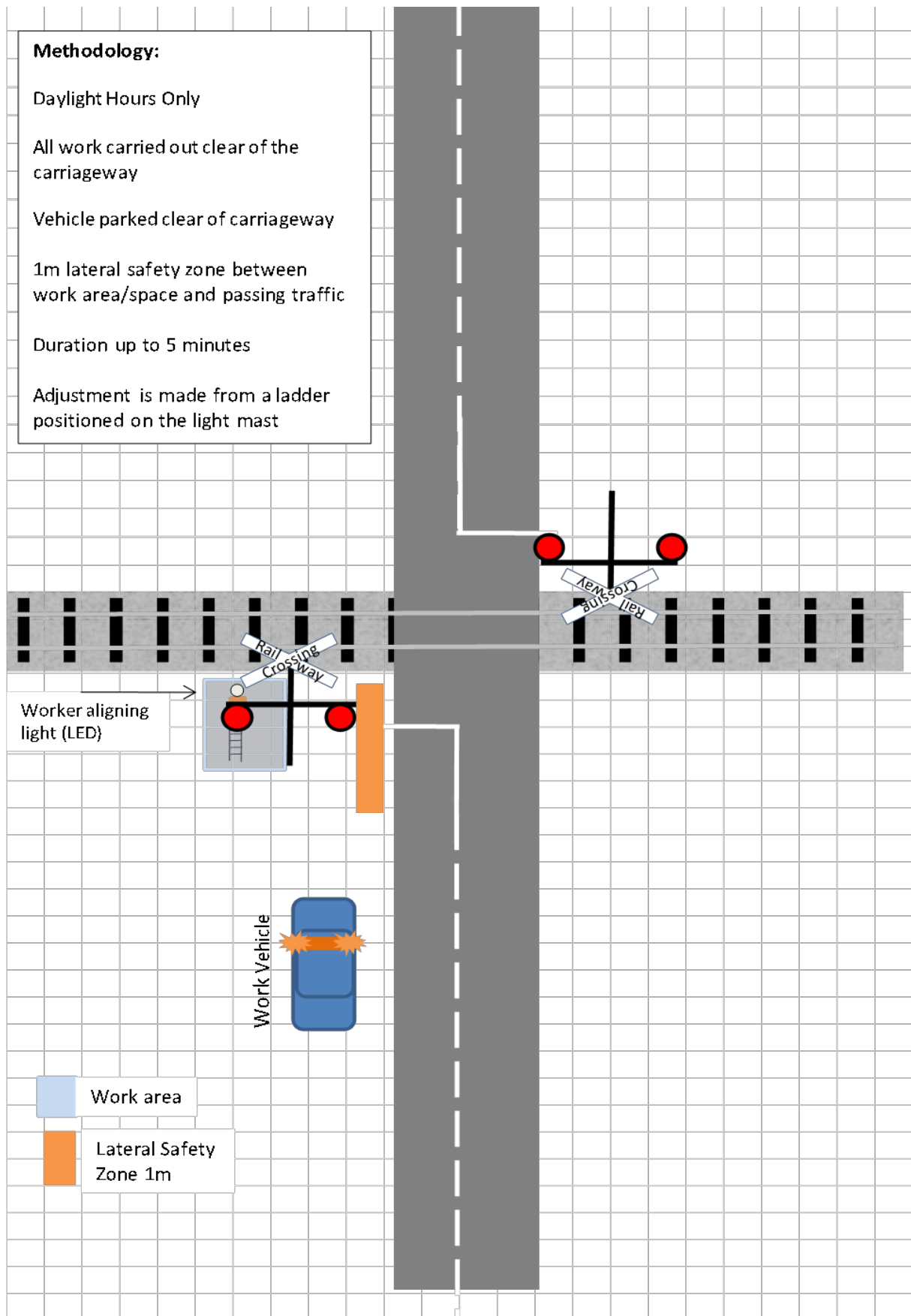
TMD 1 - General maintenance of barriers and signals



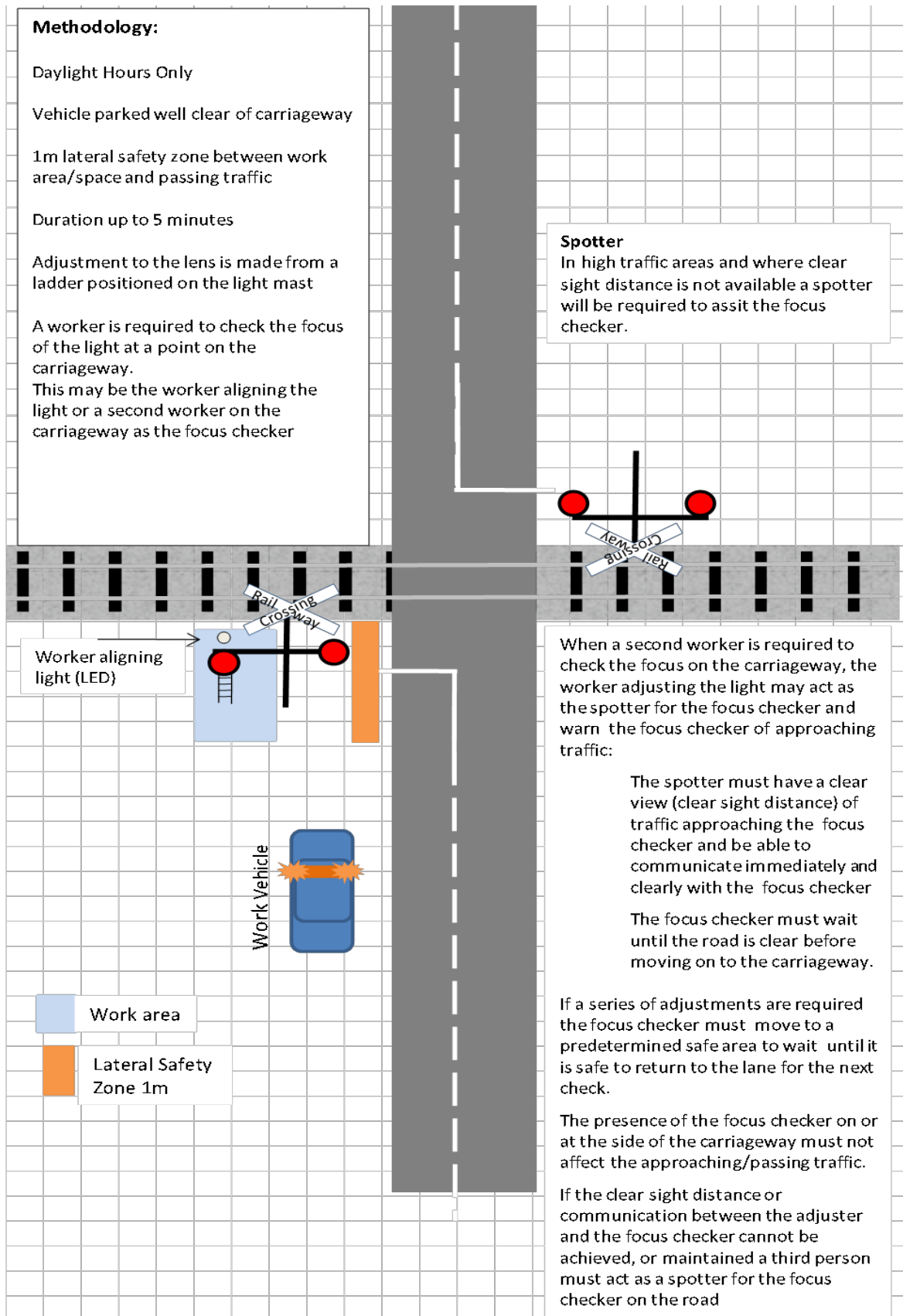
TMD 2- Annual inspections & maintenance



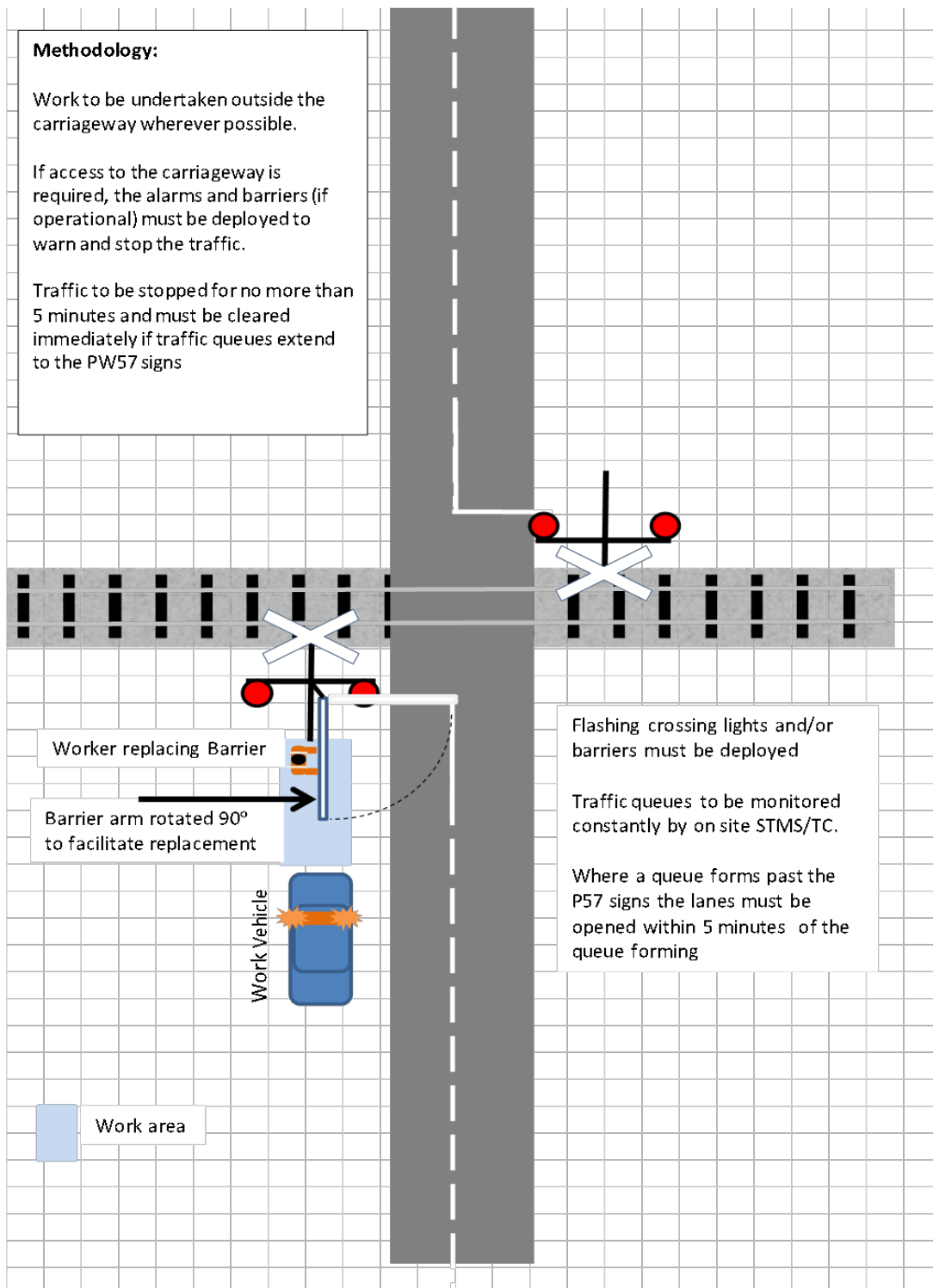
TMD 3a- Alignment of lenses – LED



TMD 3b- Alignment of lenses - Non LED

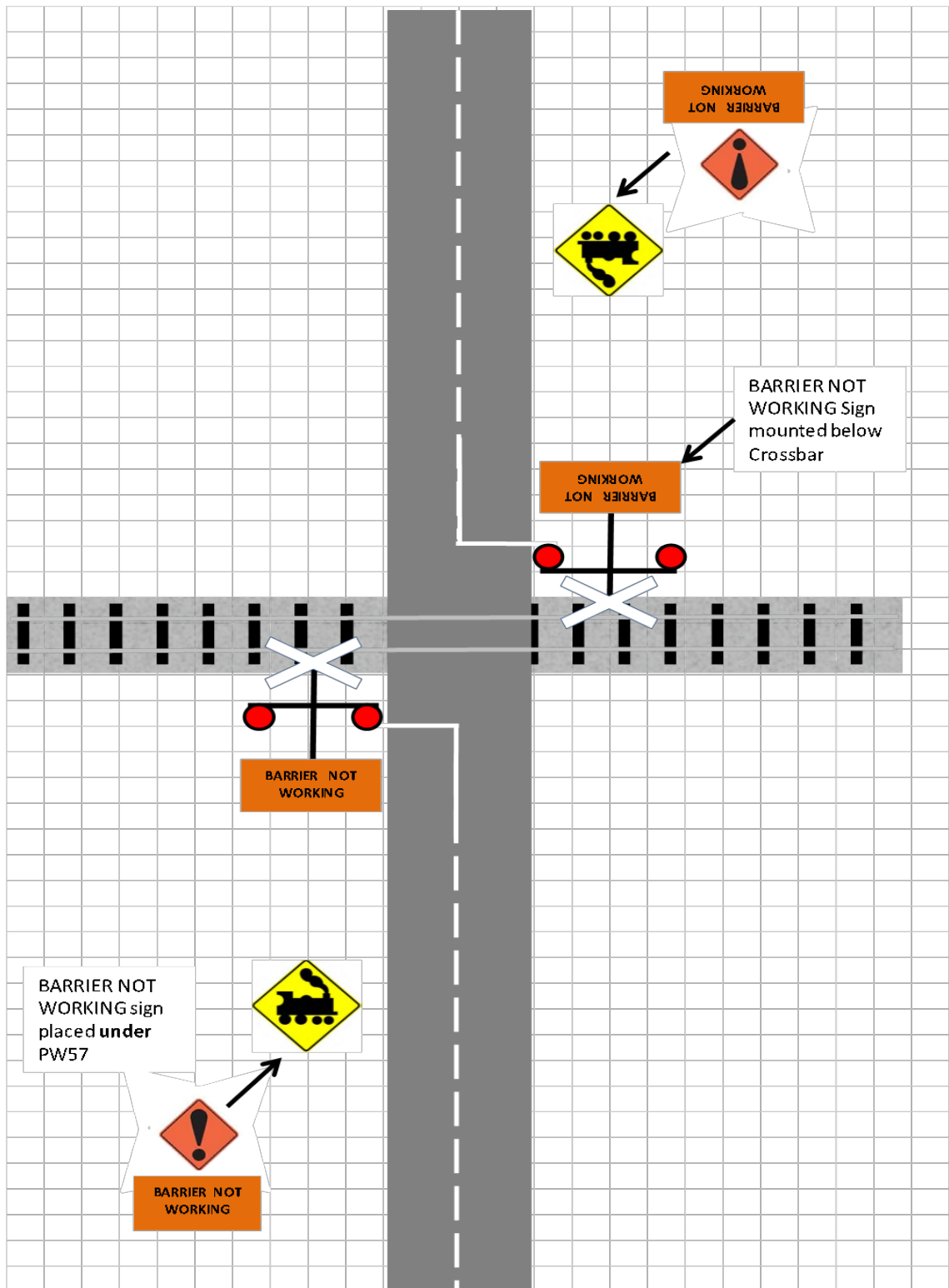


TMD 4 - Replacing barrier

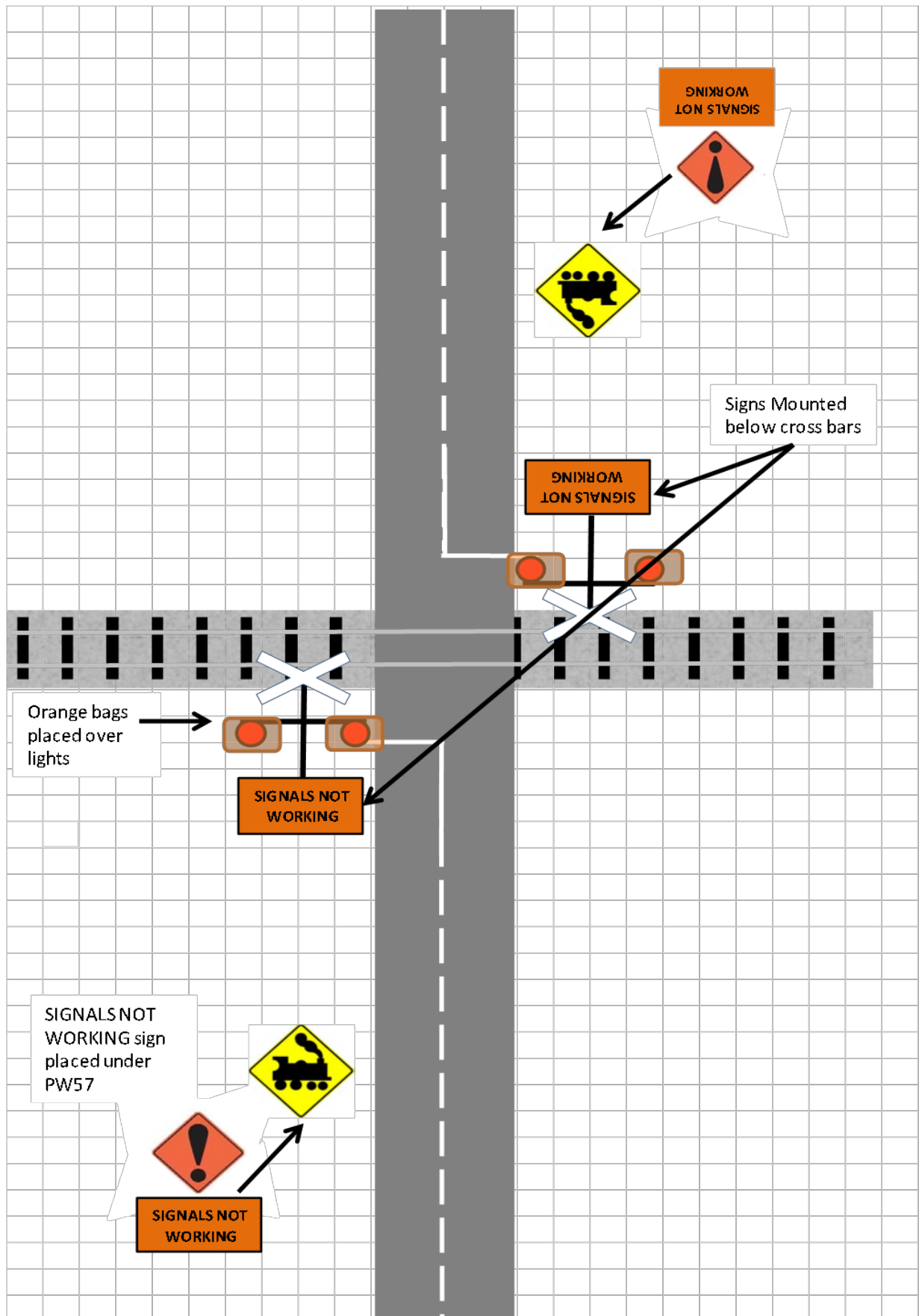




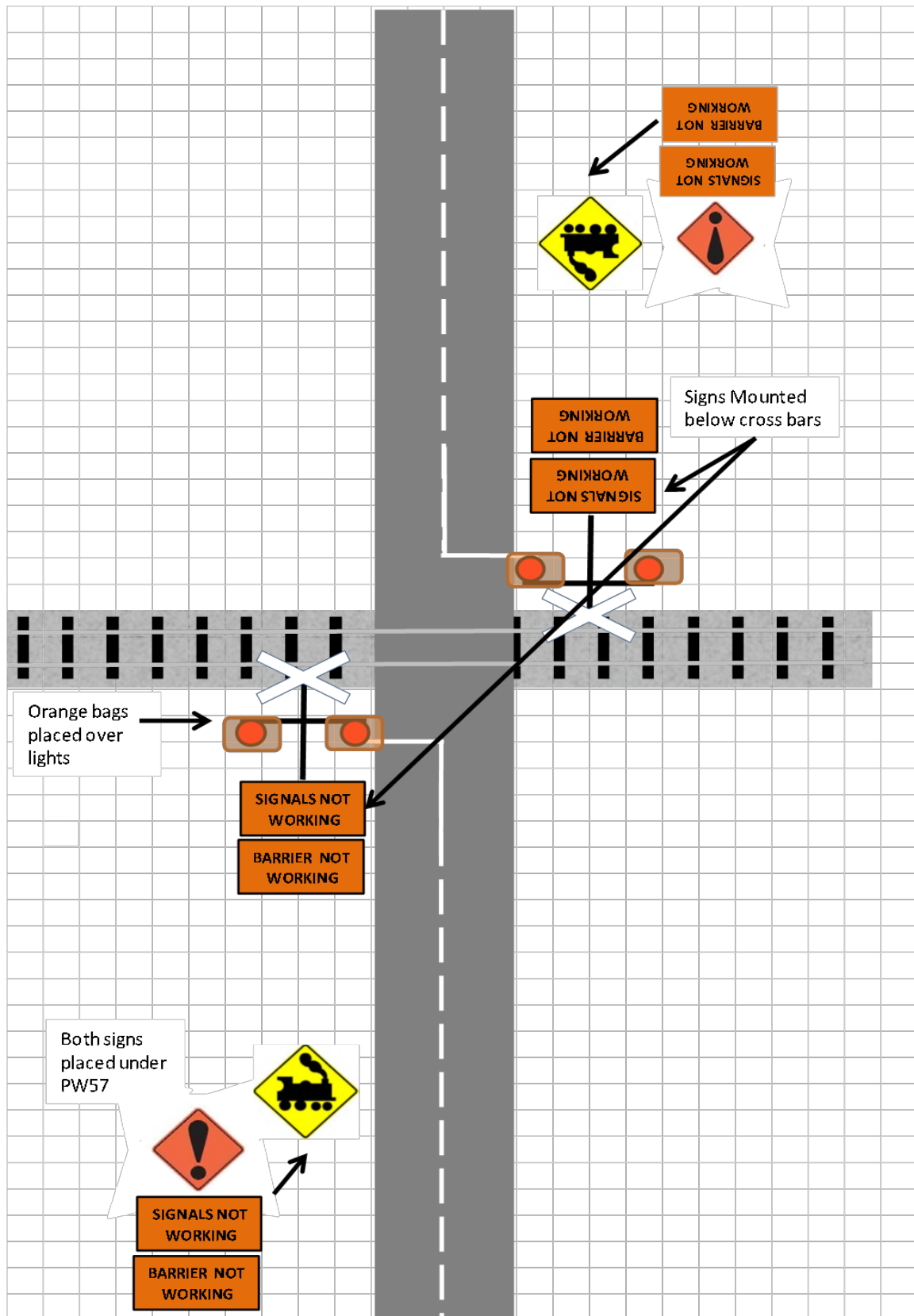
TMD 5 - Barrier not working



TMD 6 - Signals not working



TMD 7 -Signals and barrier not working



## Appendix 4: List of Crossing Locations

Edit the following list so only those crossing locations relevant to the RCA or region are shown.

Name	PR Code	Line Name	Metrage	Type
Ruakura Lane	FLB	ECMT	4.760000229	Flashing Lights & Bells
Thompsons Track	FLB	MSL	68.31999969	Flashing Lights & Bells
Stanley Road	FLB	MSL	84.69999695	Flashing Lights & Bells
Works Road	FLB	MSL	89.65000153	Flashing Lights & Bells
Compton Street	FLB	MSL	97.54000092	Flashing Lights & Bells
Lagmhor Road	FLB	MSL	97.94000244	Flashing Lights & Bells
Winslow Willowby Road	FLB	MSL	104.1699982	Flashing Lights & Bells
Swamp Road	FLB	MSL	110.9700012	Flashing Lights & Bells
Delamaine Street	FLB	MSL	113.0800018	Flashing Lights & Bells
withells Road	FLB	MSL	126.25	Flashing Lights & Bells
Elizabeth Avenue	HAB	MSL	67.56999969	Half arm Barriers with flashing lights and bells
South Town Belt	HAB	MSL	67.98000336	Half arm Barriers with flashing lights and bells
Chertsey Kyle Road	HAB	MSL	76.31999969	Half arm Barriers with flashing lights and bells
Fairfield Road	HAB	MSL	88.58000183	Half arm Barriers with flashing lights and bells
East Street	HAB	MSL	93.27999878	Half arm Barriers with flashing lights and bells
Walnut Avenue	HAB	MSL	94.23000336	Half arm Barriers with flashing lights and bells
Havelock Street	HAB	MSL	95.08000183	Half arm Barriers with flashing lights and bells
Moore Street	HAB	MSL	95.44999695	Half arm Barriers with flashing lights and bells
Maronan Road	HAB	MSL	98.91999817	Half arm Barriers with flashing lights and bells
Kingdon Street Ped	FLB	NAL	8.93999958	Flashing Lights & Bells
St Georges Road	FLB	NAL	18.22999954	Flashing Lights & Bells
ORorke Road	FLB	Onehunga	0.52999971	Flashing Lights & Bells
Maurice Road	FLB	Onehunga	0.970000029	Flashing Lights & Bells
Captain Springs Road	FLB	Onehunga	2.069999933	Flashing Lights & Bells
Church Street	FLB	Onehunga	2.170000076	Flashing Lights & Bells
Alfred Street	FLB	Onehunga	2.710000038	Flashing Lights & Bells
Victoria Street	FLB	Onehunga	2.920000076	Flashing Lights & Bells
Galway Street	FLB	Onehunga	3.319999933	Flashing Lights & Bells
Church Street East	HAB	NAL	1.419999957	Half arm Barriers with flashing lights and bells
Normanby Road	HAB	NAL	10.14999962	Half arm Barriers with flashing lights and bells
Porters Avenue	HAB	NAL	10.85999966	Half arm Barriers with flashing lights and bells
George Street	HAB	NAL	11.36999989	Half arm Barriers with flashing lights and bells
Morningside Drive	HAB	NAL	12.80000019	Half arm Barriers with flashing lights and bells
Asquith Avenue	HAB	NAL	14.02999973	Half arm Barriers with flashing lights and bells
Rossgrove Terrace	HAB	NAL	14.13000011	Half arm Barriers with flashing lights and bells
Woodward Road	HAB	NAL	15.80000019	Half arm Barriers with flashing lights and bells
St Jude Street	HAB	NAL	17.39999962	Half arm Barriers with flashing lights and bells
Chalmers Street	HAB	NAL	17.63999939	Half arm Barriers with flashing lights and bells
Sarawia Street	HAB	Newmarket	0.400000006	Half arm Barriers with flashing lights and bells
Mays Road	HAB	Onehunga	1.830000043	Half arm Barriers with flashing lights and bells
Queen Street	HAB	SWL		Half arm Barriers with flashing lights and bells

Name	PR Code	Line Name	Metrage	Type
Dalefield Road	FLB	WL	73.62000275	Flashing Lights & Bells
Lincoln Road	FLB	WL	74.80000305	Flashing Lights & Bells
Brooklyn Road	FLB	WL	75.29000092	Flashing Lights & Bells
Victoria Street	FLB	WL	76.18000031	Flashing Lights & Bells
Pembroke Street	FLB	WL	76.44000244	Flashing Lights & Bells
Belvedere Road	FLB	WL	76.76999664	Flashing Lights & Bells
Rhodes Street	FLB	WL	77.12000275	Flashing Lights & Bells
Kent Street	FLB	WL	77.30000305	Flashing Lights & Bells
Chester Road	FLB	WL	79.44000244	Flashing Lights & Bells
Norman Avenue	FLB	WL	84.79000092	Flashing Lights & Bells
Norfolk Road	FLB	WL	85.41999817	Flashing Lights & Bells
Victoria Street	FLB	PNGL	115.5400009	Flashing Lights & Bells
Tamumu Road	FLB	PNGL	116.1600037	Flashing Lights & Bells
Racecourse Road	FLB	PNGL	117.7600021	Flashing Lights & Bells
Higginson Street	FLB	PNGL	121.8700027	Flashing Lights & Bells
Oruawhoro Road	HAB	PNGL	90.11000061	Half arm Barriers with flashing lights and bells
Fraser Road	HAB	PNGL	91.47000122	Half arm Barriers with flashing lights and bells
Amyes Road	FLB	Hornby	0.58999974	Flashing Lights & Bells
Halswell Junction Road	FLB	Hornby	1.76999981	Flashing Lights & Bells
Wroxton Terrace	FLB	MNL	2.920000076	Flashing Lights & Bells
Barnes Road	FLB	MNL	7.829999924	Flashing Lights & Bells
Radcliffe Road	FLB	MNL	9.520000458	Flashing Lights & Bells
Spencerville Road	FLB	MNL	13.48999977	Flashing Lights & Bells
Scruttons Road	FLBS	MSL	5.199999809	Flashing L & B with Second Train coming
Chapmans Road	FLBS	MSL	5.929999828	Flashing L & B with Second Train coming
Curries Road	FLBS	MSL	6.75	Flashing L & B with Second Train coming
Riccarton Road	HAB	MNL	1.480000019	Half arm Barriers with flashing lights and bells
Kilmarnock Street	HAB	MNL	1.720000029	Half arm Barriers with flashing lights and bells
Fendalton Road	HAB	MNL	2.490000001	Half arm Barriers with flashing lights and bells
Glandovey Road	HAB	MNL	3.190000057	Half arm Barriers with flashing lights and bells
Wairakei Road	HAB	MNL	3.640000105	Half arm Barriers with flashing lights and bells
Blighs Road	HAB	MNL	4.46999979	Half arm Barriers with flashing lights and bells
Harewood Road	HAB	MNL	5.159999847	Half arm Barriers with flashing lights and bells
Langdons Road	HAB	MNL	5.480000019	Half arm Barriers with flashing lights and bells
Sawyers Arms Road	HAB	MNL	6.099999905	Half arm Barriers with flashing lights and bells
Northcote Road	HAB	MNL	6.510000229	Half arm Barriers with flashing lights and bells
Tuckers Road	HAB	MNL	7.039999962	Half arm Barriers with flashing lights and bells
Sturrocks Road	HAB	MNL	7.559999943	Half arm Barriers with flashing lights and bells
Belfast Road	HAB	MNL	10.90999985	Half arm Barriers with flashing lights and bells
Factory Road	HAB	MNL	11.61999989	Half arm Barriers with flashing lights and bells
Marshland Road	HAB	MNL	13.18999958	Half arm Barriers with flashing lights and bells
Kainga Road	HAB	MNL	15.19999981	Half arm Barriers with flashing lights and bells
Ensors Road	HAB	MSL	8.659999847	Half arm Barriers with flashing lights and bells
Wilson's Road	HAB	MSL	9.279999733	Half arm Barriers with flashing lights and bells
Gasson Street	HAB	MSL	10.38000011	Half arm Barriers with flashing lights and bells
Montreal Street	HAB	MSL	11.35999966	Half arm Barriers with flashing lights and bells
Antigua Street	HAB	MSL	11.57999992	Half arm Barriers with flashing lights and bells

Name	PR Code	Line Name	Metrage	Type
Selwyn Street	HAB	MSL	12.06999969	Half arm Barriers with flashing lights and bells
Grove Road	HAB	MSL	12.38000011	Half arm Barriers with flashing lights and bells
Lincoln Road	HAB	MSL	12.52999973	Half arm Barriers with flashing lights and bells
Whiteleigh Avenue	HAB	MSL	13.47000027	Half arm Barriers with flashing lights and bells
Matipo Street	HAB	MSL	14.06999969	Half arm Barriers with flashing lights and bells
Annex Road	HAB	MSL	15.56999969	Half arm Barriers with flashing lights and bells
Parker Street	HAB	MSL	20.69000053	Half arm Barriers with flashing lights and bells
Halswell Junction Road	HAB	MSL	21.27000046	Half arm Barriers with flashing lights and bells
Barthers Road	HAB	MSL	23.23999977	Half arm Barriers with flashing lights and bells
Kirk Road	HAB	MSL	24.36000061	Half arm Barriers with flashing lights and bells
Dawsons Road	HAB	MSL	25.85000038	Half arm Barriers with flashing lights and bells
Waiholo Place	FLB	MSL	419.6099854	Flashing Lights & Bells
Benhar Road	FLB	MSL	454.7000122	Flashing Lights & Bells
Baker Street	FLB	MSL	458.4299927	Flashing Lights & Bells
High Street	FLB	MSL	462.5299988	Flashing Lights & Bells
Waiwera Station Road	FLB	MSL	486.0400085	Flashing Lights & Bells
West Otago Road	FLB	MSL	511.6400146	Flashing Lights & Bells
Flag Swamp Road	FLB	MSL	327.1300049	Flashing Lights & Bells
Inverary Street	FLB	MSL	329.4899902	Flashing Lights & Bells
Beach Street	FLB	MSL	330.4200134	Flashing Lights & Bells
Coast Road	FLB	MSL	333.1000061	Flashing Lights & Bells
Coast Road (Puketeraki)	FLB	MSL	337.8999939	Flashing Lights & Bells
Coast Road (Omimi)	FLB	MSL	344.230011	Flashing Lights & Bells
Coast Road	FLB	MSL	345.4899902	Flashing Lights & Bells
Coast Road	FLB	MSL	346.5100098	Flashing Lights & Bells
Bank Road	FLB	MSL	347.1199951	Flashing Lights & Bells
Coast Road	FLB	MSL	347.3699951	Flashing Lights & Bells
Doctors Point Road	FLB	MSL	354.1700134	Flashing Lights & Bells
Coombe Hay Terrace	FLB	MSL	366.1000061	Flashing Lights & Bells
Magnet Street	FLB	MSL	376.9400024	Flashing Lights & Bells
Wharf Street	FLB	MSL		Flashing Lights & Bells
Riccarton Road	FLB	MSL	395.2200012	Flashing Lights & Bells
Gladfield Road	FLB	MSL	397.0299988	Flashing Lights & Bells
Henley-Berwick Road	FLB	MSL	412.1300049	Flashing Lights & Bells
Wickliffe Terrace	FLB	Port Chalmers	1.289999962	Flashing Lights & Bells
Gladstone Road	FLB	Taieri	0.109999999	Flashing Lights & Bells
Factory Road	FLB	Taieri	1.5	Flashing Lights & Bells
Dukes Road	FLB	Taieri	2.920000076	Flashing Lights & Bells
Coast Road (Seacliff)	HAB	MSL	342.6400146	Half arm Barriers with flashing lights and bells
St Andrews Street	HAB	MSL	378.3399963	Half arm Barriers with flashing lights and bells
Heights Road	FLB	Mission Bush	2	Flashing Lights & Bells
Patumahoe Road	FLB	Mission	6.510000229	Flashing Lights & Bells

Name	PR Code	Line Name	Metrage	Type
		Bush		
Pilgrims Road	FLB	Mission Bush	10.01000023	Flashing Lights & Bells
Sommerville Road	FLB	Mission Bush	10.97000027	Flashing Lights & Bells
Glenbrook Station Road	FLB	Mission Bush	11.59000015	Flashing Lights & Bells
Kellyville Road	HAB	NIMT	610.5100098	Half arm Barriers with flashing lights and bells
McDonald Road	HAB	NIMT	613.2000122	Half arm Barriers with flashing lights and bells
Harrisville Road	HAB	NIMT	621.6099854	Half arm Barriers with flashing lights and bells
Logan Road	HAB	NIMT	625.6799927	Half arm Barriers with flashing lights and bells
Crown Road	HAB	NIMT	633.5700073	Half arm Barriers with flashing lights and bells
Lytton Road	FLB	PNGL	387.7399902	Flashing Lights & Bells
Stanley Road	FLB	PNGL	388.9500122	Flashing Lights & Bells
Grey Street	FLB	PNGL	390.2000122	Flashing Lights & Bells
Ontario Street	FLB	MSL	537	Flashing Lights & Bells
River Street	FLB	MSL	537.289978	Flashing Lights & Bells
Mersey Street	FLB	MSL	537.5800171	Flashing Lights & Bells
Hyde Street	FLB	MSL	538.1300049	Flashing Lights & Bells
Bury Street	FLB	MSL	538.6199951	Flashing Lights & Bells
Salford Street	FLB	MSL	539.2299805	Flashing Lights & Bells
Selbourne Street	FLB	MSL	548	Flashing Lights & Bells
Albion Street	FLB	MSL	550.2299805	Flashing Lights & Bells
Rayonier Crossing	FLB	MSL	553.8200073	Flashing Lights & Bells
Nelson Street	FLB	Hokitika	2.779999971	Flashing Lights & Bells
Weenink Road	FLB	Hokitika	3.349999905	Flashing Lights & Bells
Arnold Valley Road	FLB	Midland	178.4299927	Flashing Lights & Bells
Blair Road	FLB	Midland	191.0599976	Flashing Lights & Bells
Taupo Terrace	FLB	Midland	202.3000031	Flashing Lights & Bells
Mawhera Quay	FLB	Midland	210.8200073	Flashing Lights & Bells
Albert Street	FLB	Midland	211.3899994	Flashing Lights & Bells
Tarapuhi Street	FLB	Midland	211.5	Flashing Lights & Bells
Herbert Street	FLB	Midland	211.6499939	Flashing Lights & Bells
Tainui Street	HAB	Midland	211.2700043	Half arm Barriers with flashing lights and bells
Grey Street	HAB	ECMT	2.730000019	Half arm Barriers with flashing lights and bells
Peachgrove Road	HAB	ECMT	3.700000048	Half arm Barriers with flashing lights and bells
Killarney Road	HAB	NIMT	541.4400024	Half arm Barriers with flashing lights and bells
Te Kowhai Road	HAB	NIMT	548.0999756	Half arm Barriers with flashing lights and bells
Ruffell Road	HAB	NIMT	549.7999878	Half arm Barriers with flashing lights and bells
Te Aute Trust Road	FLB	PNGL	134.6000061	Flashing Lights & Bells
Poukawa Crossing	FLB	PNGL	141.9600067	Flashing Lights & Bells
Te Mahunga Road	FLB	PNGL	145.1900024	Flashing Lights & Bells
Stock Road	FLB	PNGL	151.2899933	Flashing Lights & Bells
Te Aute Road	FLB	PNGL	152.0099945	Flashing Lights & Bells
Longlands Road	FLB	PNGL	155.2899933	Flashing Lights & Bells
Davis Road	FLB	PNGL	155.8699951	Flashing Lights & Bells
Anderson Road	FLB	PNGL		Flashing Lights & Bells
Tollemache Road	HAB	PNGL	157.0299988	Half arm Barriers with flashing lights and bells

Name	PR Code	Line Name	Metrage	Type
Murdoch Road	HAB	PNGL	157.6399994	Half arm Barriers with flashing lights and bells
Lyndon Road	HAB	PNGL	158.8000031	Half arm Barriers with flashing lights and bells
Eastbourne Street	HAB	PNGL	158.9199982	Half arm Barriers with flashing lights and bells
Queen Street	HAB	PNGL	159.1600037	Half arm Barriers with flashing lights and bells
St Aubyn Street	HAB	PNGL	159.4100037	Half arm Barriers with flashing lights and bells
Frederick Street	HAB	PNGL	160.4499969	Half arm Barriers with flashing lights and bells
Ellwood Road	HAB	PNGL	162.0700073	Half arm Barriers with flashing lights and bells
Ruahapia Road	HAB	PNGL	163.4100037	Half arm Barriers with flashing lights and bells
Whakatu Road	HAB	PNGL	164.0599976	Half arm Barriers with flashing lights and bells
South Manakau Road	FLB	NIMT	77.55999756	Flashing Lights & Bells
North Manakau Road	FLB	NIMT	80.56999969	Flashing Lights & Bells
Kuku Beach Road	FLB	NIMT	83.73000336	Flashing Lights & Bells
McLeavey Road	FLB	NIMT	87.19999695	Flashing Lights & Bells
Roslyn Road	FLB	NIMT	93.18000031	Flashing Lights & Bells
Heatherlea East Road	FLB	NIMT	95.41000366	Flashing Lights & Bells
Tavistock Road	FLB	NIMT	98.79000092	Flashing Lights & Bells
Vance Street	FLB	NIMT	106.4100037	Flashing Lights & Bells
Okuku Road	FLB	NIMT	110.0199966	Flashing Lights & Bells
Mokena Kohere Street	HAB	NIMT	79.56999969	Half arm Barriers with flashing lights and bells
Tararua Road	HAB	NIMT	89.62000275	Half arm Barriers with flashing lights and bells
Mako Mako Road	HAB	NIMT	90.63999939	Half arm Barriers with flashing lights and bells
Bath Street	HAB	NIMT	91.33000183	Half arm Barriers with flashing lights and bells
Queen Street	HAB	NIMT	91.58999634	Half arm Barriers with flashing lights and bells
Tyne Street	HAB	NIMT	92.31999969	Half arm Barriers with flashing lights and bells
Sheehan Street	HAB	NIMT	106.9100037	Half arm Barriers with flashing lights and bells
Douglas Road	FLB	MNL	51.75	Flashing Lights & Bells
Georges Road	FLB	MNL	60.29000092	Flashing Lights & Bells
Johnston Street	FLB	MNL	63.25	Flashing Lights & Bells
Church Road	FLB	MNL	64.12999725	Flashing Lights & Bells
Scargill Valley Road	HAB	MNL	86.30000305	Half arm Barriers with flashing lights and bells
Manor Park Road	HAB	WL	23.19000053	Half arm Barriers with flashing lights and bells
Parkside Road	HAO	Gracefield	1.820000052	Half arm Barriers Out of use
Hutt Park Road	HAO	Gracefield	2.319999933	Half arm Barriers Out of use
Ettrick Street	FLB	Bluff	0.769999981	Flashing Lights & Bells
Crinan Street	FLB	Bluff	1.029999971	Flashing Lights & Bells
Bond Street	FLB	Bluff	1.379999995	Flashing Lights & Bells
Rimu Road	FLB	MSL	592.5999756	Flashing Lights & Bells
Mill Road South	FLB	MSL	594.960022	Flashing Lights & Bells
Inglewood Road	FLB	MSL	598.1300049	Flashing Lights & Bells
Conon Street	FLB	MSL	600.4000244	Flashing Lights & Bells
Nith Street	FLB	MSL	600.6400146	Flashing Lights & Bells
Heywood Street	FLB	Ohai	3.150000095	Flashing Lights & Bells
Renfrew Street	FLB	Ohai	3.799999952	Flashing Lights & Bells
Durham Street	FLB	Ohai	4.079999924	Flashing Lights & Bells
West Plains Road	FLB	Ohai	4.760000229	Flashing Lights & Bells



Name	PR Code	Line Name	Metrage	Type
Moore Road	FLB	Ohai	5.98000019	Flashing Lights & Bells
Steel Road	FLB	Ohai		Flashing Lights & Bells
Lindisfarne Street	HAB	MSL	598.9299927	Half arm Barriers with flashing lights and bells
Elles Road	HAB	MSL	599.8099976	Half arm Barriers with flashing lights and bells
Ythan Street	HAB	MSL	600.1599731	Half arm Barriers with flashing lights and bells
Liddel Street	HAB	MSL	601.039978	Half arm Barriers with flashing lights and bells
Victoria Avenue	HAB	Ohai	0.699999988	Half arm Barriers with flashing lights and bells
Bay Road	HAB	Ohai	2.579999924	Half arm Barriers with flashing lights and bells
Inland Kaikoura Road	FLB	MNL	184.2400055	Flashing Lights & Bells
Oruawhoro Road	FLB	NAL	131.5800018	Flashing Lights & Bells
Oneriri Road	FLB	NAL	138.8600006	Flashing Lights & Bells
Whakapirau Road	FLB	NAL	149.9299927	Flashing Lights & Bells
Waterfall Road	FLB	NIMT	43.61999893	Flashing Lights & Bells
Hadfield Road	FLB	NIMT	59.93999863	Flashing Lights & Bells
School Road	FLB	NIMT	65.11000061	Flashing Lights & Bells
Old Hautere Road	FLB	NIMT	67.55000305	Flashing Lights & Bells
Rahui Road	FLB	NIMT	70.79000092	Flashing Lights & Bells
Beach Road	HAB	NIMT	38.61999893	Half arm Barriers with flashing lights and bells
Kapiti Road	HAB	NIMT	48.38000107	Half arm Barriers with flashing lights and bells
Otaihanga Road	HAB	NIMT	51.61000061	Half arm Barriers with flashing lights and bells
Elizabeth Street	HAB	NIMT	55.25999832	Half arm Barriers with flashing lights and bells
Reserve Road	FLB	NIMT	130.4400024	Flashing Lights & Bells
Cloverlea Road	FLB	NIMT	133.4299927	Flashing Lights & Bells
Roberts Line	FLB	NIMT	141.5399933	Flashing Lights & Bells
Clevely Line	FLB	NIMT	143.8099976	Flashing Lights & Bells
Makino Road	FLB	NIMT	156.0599976	Flashing Lights & Bells
Lethbridge Road	FLB	NIMT	158.6699982	Flashing Lights & Bells
Godley Street	FLB	NIMT	166.6900024	Flashing Lights & Bells
Kairanga-Bunnythorpe Road	HAB	NIMT	144.8300018	Half arm Barriers with flashing lights and bells
Newbury Line	HAB	NIMT	146.7100067	Half arm Barriers with flashing lights and bells
Aorangi Works Road	HAB	NIMT	151.1000061	Half arm Barriers with flashing lights and bells
East Street	HAB	NIMT	152.1300049	Half arm Barriers with flashing lights and bells
Grey Street	HAB	NIMT	153.5399933	Half arm Barriers with flashing lights and bells
North Street	HAB	NIMT	154.5599976	Half arm Barriers with flashing lights and bells
Monteith Street	HAB	NIMT	165.5500031	Half arm Barriers with flashing lights and bells
Stanway Road	HAB	NIMT	166.0200043	Half arm Barriers with flashing lights and bells
Homai South Ped	FLB	NIMT	655.6199951	Flashing Lights & Bells
Homai North Ped	FLB	NIMT	655.7700195	Flashing Lights & Bells
Papatoetoe Up Ped	FLB	NIMT	660.4400024	Flashing Lights & Bells
Papatoetoe Down Ped	FLB	NIMT	660.4500122	Flashing Lights & Bells
Dalgety Drive	FLO	NIMT		Out of use
Alabama Road	FLB	MNL	316.6199951	Flashing Lights & Bells
Stuart Street	FLB	MNL	318.1199951	Flashing Lights & Bells
Kinross Street	FLB	MNL	318.5700073	Flashing Lights & Bells
Horton Street	FLB	MNL	319.0899963	Flashing Lights & Bells

Name	PR Code	Line Name	Metrage	Type
Lower Wairau Road	FLB	MNL	320.8500061	Flashing Lights & Bells
Aberharts Road	FLB	MNL	321.1700134	Flashing Lights & Bells
Fell Street	FLB	MNL	322.3500061	Flashing Lights & Bells
Ferry Road	FLB	MNL	324.7999878	Flashing Lights & Bells
Hunters Road	FLB	MNL	328.230011	Flashing Lights & Bells
Lagoon Road	FLB	MNL		Flashing Lights & Bells
Cloudy Bay Drive	HAB	MNL	312.1600037	Half arm Barriers with flashing lights and bells
Dillons Point Road	HAB	MNL	319.3800049	Half arm Barriers with flashing lights and bells
Budge Street	HAB	MNL	319.9200134	Half arm Barriers with flashing lights and bells
Dublin Street	HAB	MNL	347.3500061	Half arm Barriers with flashing lights and bells
Judds Road	FLB	WL	87.84999847	Flashing Lights & Bells
Hillcrest Street	FLB	WL	88.36000061	Flashing Lights & Bells
Cornwall Street	FLB	WL	88.93000031	Flashing Lights & Bells
Renall Street	FLB	WL	89.48999786	Flashing Lights & Bells
Akura Road	FLB	WL	91.16000366	Flashing Lights & Bells
Opaki-Kaiparoro Road	FLB	WL	98.40000153	Flashing Lights & Bells
Opaki-Kaiparoro Road	FLB	WL	101.6800003	Flashing Lights & Bells
Opaki-Kaiparoro Road	FLB	WL	106.7600021	Flashing Lights & Bells
Opaki-Kaiparoro Road	FLB	WL	111.2099991	Flashing Lights & Bells
Ngaumutawa Road	HAB	WL	86.90000153	Half arm Barriers with flashing lights and bells
Boltons Road	FLB	ECMT	32.20000076	Flashing Lights & Bells
Kiwitahi Station Road	FLB	ECMT	37.97999954	Flashing Lights & Bells
Hutchinson Road	FLB	ECMT	43.54999924	Flashing Lights & Bells
Puketutu Road	FLB	Kinleith	12.36999989	Flashing Lights & Bells
Morrinsville-Walton Road	FLO	ECMT		Out of use
Avenue Road	HAB	ECMT	27.70999908	Half arm Barriers with flashing lights and bells
Lorne Street	HAB	ECMT	28.62000084	Half arm Barriers with flashing lights and bells
Kereone Road	HAB	ECMT	30.55999947	Half arm Barriers with flashing lights and bells
Hawes Street	HAB	Kinleith	1.169999957	Half arm Barriers with flashing lights and bells
Pohlen Road	HAB	Kinleith	4.539999962	Half arm Barriers with flashing lights and bells
Tainui Street	HAB	Kinleith	7.949999809	Half arm Barriers with flashing lights and bells
Lever Street	FLB	Napier	1.970000029	Flashing Lights & Bells
Waghorne Street	FLB	Napier	3.25999999	Flashing Lights & Bells
Hastings Street	FLB	PNGL	177.3000031	Flashing Lights & Bells
Owen Street	FLB	PNGL	178.5899963	Flashing Lights & Bells
Jull Street	FLB	PNGL	178.8300018	Flashing Lights & Bells
Severn Street	FLB	PNGL	180.6999969	Flashing Lights & Bells
Domain Road	FLB	PNGL	183.9900055	Flashing Lights & Bells
Waitangi Road	HAB	PNGL	171.2400055	Half arm Barriers with flashing lights and bells
Awatoto Road	HAB	PNGL	173.4700012	Half arm Barriers with flashing lights and bells
Sale Street	HAB	PNGL	177.6900024	Half arm Barriers with flashing lights and bells
Raffles Street	HAB	PNGL	177.9900055	Half arm Barriers with flashing lights and bells
Dickens Street	HAB	PNGL	178.3999939	Half arm Barriers with flashing lights and bells
Prebensen Drive	HAB	PNGL	180.0299988	Half arm Barriers with flashing lights and bells

Name	PR Code	Line Name	Metrage	Type
Old Mountain Road	FLB	MNPL	174.0500031	Flashing Lights & Bells
Surrey Road	FLB	MNPL	174.3399963	Flashing Lights & Bells
Norfolk Road	FLB	MNPL	178.2400055	Flashing Lights & Bells
Durham Road	FLB	MNPL	180.3399963	Flashing Lights & Bells
Dudley Road	FLB	MNPL	182.5800018	Flashing Lights & Bells
Standish Street	FLB	MNPL	183.2400055	Flashing Lights & Bells
Carrington Street	FLB	MNPL	183.8099976	Flashing Lights & Bells
Humphries Street	FLB	MNPL	184.0700073	Flashing Lights & Bells
Hursthouse Road	FLB	MNPL	184.9199982	Flashing Lights & Bells
Manutahi Road	FLB	MNPL	194.4299927	Flashing Lights & Bells
Corbett Road	FLB	MNPL	199.6600037	Flashing Lights & Bells
Paraita Road	FLB	MNPL	201.0899963	Flashing Lights & Bells
Henwood Road	FLB	MNPL	202.0099945	Flashing Lights & Bells
Queens Road	FLB	MNPL	205.4499969	Flashing Lights & Bells
Bulkeley Terrace	FLB	MNPL	209.6300049	Flashing Lights & Bells
Belt Road	FLB	MNPL	210.25	Flashing Lights & Bells
Bayly Road	FLB	MNPL	211.5299988	Flashing Lights & Bells
SH 16	FLB	NAL	74.62999725	Flashing Lights & Bells
SH 30	FLB	ECMT	177.4199982	Flashing Lights & Bells
Kawerau Road (SH 34)	FLB	Murupara	0.310000002	Flashing Lights & Bells
Hewletts Rd AKZO Nobel	FLO	Mt Maunganui		Out of use
SH 30	FLO	Taneatua	12.05000019	Out of use
White Pine Bush Rd (SH 2)	FLO	Whakatane	0.889999986	Out of use
SH 2	HAB	ECMT	104.4100037	Half arm Barriers with flashing lights and bells
SH 2	HAB	ECMT	127.4100037	Half arm Barriers with flashing lights and bells
Hewletts Road (SH 29)	HAB	Mt Maunganui	2.720000029	Half arm Barriers with flashing lights and bells
Essendon Road (SH 73)	FLB	Midland	18.84000015	Flashing Lights & Bells
SH 1	FLB	MNL	73.40000153	Flashing Lights & Bells
SH 1	FLB	MSL	74.73999786	Flashing Lights & Bells
SH 79	FLB	MSL	130.8699951	Flashing Lights & Bells
SH 1 (Winchester)	FLB	MSL	144.4799957	Flashing Lights & Bells
Main South Road (SH 73)	HAB	Hornby	0.379999995	Half arm Barriers with flashing lights and bells
Lineside Road (SH 71)	HAB	MNL	26.54000092	Half arm Barriers with flashing lights and bells
Waipara Flat Road (SH 7)	HAB	MNL	61.95999908	Half arm Barriers with flashing lights and bells
SH 1	HAB	MNL	77.93000031	Half arm Barriers with flashing lights and bells
Garlands Road (SH 74A)	HAB	MSL	7.409999847	Half arm Barriers with flashing lights and bells
Carmen Road (SH 1)	HAB	MSL	19.75	Half arm Barriers with flashing lights and bells
SH 1 (Selwyn)	HAB	MSL	47.02000046	Half arm Barriers with flashing lights and bells
Kermode Street (SH 1)	HAB	MSL	95.56999969	Half arm Barriers with flashing lights and bells
Awapuni Road (SH	FLB	PNGL	385.3900146	Flashing Lights & Bells

Name	PR Code	Line Name	Metrage	Type
35)				
Customhouse St (SH 35)	FLB	PNGL	390.7200012	Flashing Lights & Bells
Breakwater Road (SH 50)	FLB	Napier		Flashing Lights & Bells
SH 2 (Meeanee Quay)	FLB	PNGL	183.4299927	Flashing Lights & Bells
Carroll Street (SH 38)	FLB	PNGL	294.7399902	Flashing Lights & Bells
Te Uhi Road (SH 2)	FLB	PNGL	296.75	Flashing Lights & Bells
Pandora Road (SH 2)	HAB	Napier	1.029999971	Half arm Barriers with flashing lights and bells
Bridge Street (SH 50)	HAB	Napier	2.289999962	Half arm Barriers with flashing lights and bells
Breakwater Road (SH 50)	HAB	Napier	3.380000114	Half arm Barriers with flashing lights and bells
Ruataniwha Street (SH 2)	HAB	PNGL	108.2300034	Half arm Barriers with flashing lights and bells
Southampton Street (SH 2)	HAB	PNGL	158.6699982	Half arm Barriers with flashing lights and bells
Ellison Street (SH 2)	HAB	PNGL	176.4100037	Half arm Barriers with flashing lights and bells
Georges Drive (SH 2)	HAB	PNGL	179.3300018	Half arm Barriers with flashing lights and bells
Taradale Road (SH 50)	HAB	PNGL	179.8500061	Half arm Barriers with flashing lights and bells
SH 1 (Onslow Street)	FLB	NIMT	221.9400024	Flashing Lights & Bells
SH 49	FLB	NIMT	299.8800049	Flashing Lights & Bells
SH 2	FLB	PNGL	49.33000183	Flashing Lights & Bells
McLean Street (SH 2)	FLB	WL	170.3800049	Flashing Lights & Bells
Kimberley Road (SH 57)	HAB	NIMT	87.93000031	Half arm Barriers with flashing lights and bells
Opiki Road (SH 56)	HAB	NIMT	111.7699966	Half arm Barriers with flashing lights and bells
Kimbolton Road (SH 54)	HAB	NIMT	153.1300049	Half arm Barriers with flashing lights and bells
SH 1	HAB	NIMT	231.2299957	Half arm Barriers with flashing lights and bells
McLean Street (SH 2)	HAB	PNGL	26.93000031	Half arm Barriers with flashing lights and bells
Wairau Road (SH 1)	FLB	MNL	347.0799866	Flashing Lights & Bells
Main Street (SH 1)	HAB	MNL	318.7799988	Half arm Barriers with flashing lights and bells
SH 1	FLB	NAL	243.2100067	Flashing Lights & Bells
SH 1	FLB	NAL	251.8899994	Flashing Lights & Bells
SH 1 Kamo	HAB	NAL	218.1300049	Half arm Barriers with flashing lights and bells
SH 1	FLB	MSL	267.8099976	Flashing Lights & Bells
Beach Street (SH 88)	FLB	Port Chalmers	1.74000001	Flashing Lights & Bells
Severn Street (SH 1)	HAB	MSL	255	Half arm Barriers with flashing lights and bells
Gordon Road (SH 87)	HAB	MSL	393.3900146	Half arm Barriers with flashing lights and bells
Main Road (SH 1)	HAB	MSL	495.7200012	Half arm Barriers with flashing lights and bells
SH 1	FL	Bluff		Flashing Lights

Name	PR Code	Line Name	Metrage	Type
SH 1	FLB	Bluff		Flashing Lights & Bells
Bridge Street (SH 93)	FLB	MSL	549.6699829	Flashing Lights & Bells
SH 1	FLB	MSL		Flashing Lights & Bells
Clyde Street (SH 1)	HAB	MSL	600.8800049	Half arm Barriers with flashing lights and bells
SH 43 (Toko)	FLB	SOL	9.539999962	Flashing Lights & Bells
SH 43 (Near Gordons Road)	FLB	SOL	13.46000004	Flashing Lights & Bells
SH 43 (Douglas)	FLB	SOL	17.64999962	Flashing Lights & Bells
Regan Street (SH 43)	HAB	MNPL	162.2599945	Half arm Barriers with flashing lights and bells
Rata Street (SH 3A)	HAB	MNPL	183.5599976	Half arm Barriers with flashing lights and bells
SH 26	FLB	Cambridge	2.720000029	Flashing Lights & Bells
SH 26 (Piako Road)	FLB	ECMT	24.54999924	Flashing Lights & Bells
Bennydale Road (SH 30)	FLB	NIMT	449.7399902	Flashing Lights & Bells
SH 27	FLB	Waitoa	7.260000229	Flashing Lights & Bells
SH 27	HAB	Kinleith	2.130000114	Half arm Barriers with flashing lights and bells
Broadway (SH 24)	HAB	Kinleith	7.300000191	Half arm Barriers with flashing lights and bells
Burwood Road (SH 27)	HAB	Kinleith	9.199999809	Half arm Barriers with flashing lights and bells
SH 29	HAB	Kinleith	15.73999977	Half arm Barriers with flashing lights and bells
Awakino Road (SH 30)	HAB	NIMT	475.4500122	Half arm Barriers with flashing lights and bells
Kahikatea Drive (SH 1)	HAB	NIMT	540.1199951	Half arm Barriers with flashing lights and bells
Ellery Street (SH 39)	HAB	NIMT	558.7399902	Half arm Barriers with flashing lights and bells
Huntly Bypass (SH 1)	HAB	Rotowaro	0.07	Half arm Barriers with flashing lights and bells
McKays Crossing	HAB	NIMT	41.79000092	Half arm Barriers with flashing lights and bells
Revans Street (SH 53)	HAB	WL	56.45999908	Half arm Barriers with flashing lights and bells
Fitzherbert Street (SH 2)	HAB	WL	56.52999878	Half arm Barriers with flashing lights and bells
SH 6	FLB	Hokitika	17.45999908	Flashing Lights & Bells
Aickens (SH 73)	FLB	Midland	138.1499939	Flashing Lights & Bells
SH 73	FLB	Midland	140.6799927	Flashing Lights & Bells
SH 6 (Seven Mile Road)	FLB	Rapahoe	6.380000114	Flashing Lights & Bells
SH 7 Raupo	FLB	SWL	25.72999954	Flashing Lights & Bells
SH 7 (Dudleys)	FLB	SWL	30.07999992	Flashing Lights & Bells
SH 7 (Hinaiu)	FLB	SWL	48.25999832	Flashing Lights & Bells
Buller Road (SH 69)	FLB	SWL	61.06999969	Flashing Lights & Bells
SH 69 (Landing Bridge)	FLB	SWL	84.76000214	Flashing Lights & Bells
SH 69 Oweka	FLB	SWL	89.79000092	Flashing Lights & Bells
SH 67	FLB	SWL	143.8099976	Flashing Lights & Bells
SH 67 Granity	FLB	SWL	160.9900055	Flashing Lights & Bells
SH 67	HAB	SWL		Half arm Barriers with flashing lights and bells
Kio Kio Station Road	FLB	NIMT	498.8299866	Flashing Lights & Bells

Name	PR Code	Line Name	Metrage	Type
Te Kawa Road	HAB	NIMT	506.6799927	Half arm Barriers with flashing lights and bells
Tane Road	FLB	NIMT	120.4100037	Flashing Lights & Bells
Akers Road	FLB	NIMT	124.5999985	Flashing Lights & Bells
James Line	FLB	PNGL	5.159999847	Flashing Lights & Bells
Stoney Creek Road	FLB	PNGL	6.21999979	Flashing Lights & Bells
Tremaine Avenue	HAB	PNGL	1.860000014	Half arm Barriers with flashing lights and bells
Roberts Line	HAB	PNGL	4.159999847	Half arm Barriers with flashing lights and bells
Sutton Road	HAB	NIMT	643.3599854	Half arm Barriers with flashing lights and bells
Opapeke Road	HAB	NIMT	644.5999756	Half arm Barriers with flashing lights and bells
Boundary Road	HAB	NIMT	645.5300293	Half arm Barriers with flashing lights and bells
Walters Road	HAB	NIMT	649.1900024	Half arm Barriers with flashing lights and bells
Taka Street	HAB	NIMT	650.3800049	Half arm Barriers with flashing lights and bells
Manuroa Road	HAB	NIMT	650.8900146	Half arm Barriers with flashing lights and bells
Spartan Road	HAB	NIMT	651.460022	Half arm Barriers with flashing lights and bells
Pascoe Avenue	HAB	NIMT	22.88999939	Half arm Barriers with flashing lights and bells
Steyne Avenue	HAB	NIMT	24.15999985	Half arm Barriers with flashing lights and bells
Pukepapa Road	FLB	MNPL	2.079999924	Flashing Lights & Bells
Makirikiri Road	FLB	NIMT	178.2400055	Flashing Lights & Bells
Station Road	FLB	NIMT	180.5299988	Flashing Lights & Bells
Porewa Road	FLB	NIMT	190.7599945	Flashing Lights & Bells
Putorino Road	FLB	NIMT	196.1999969	Flashing Lights & Bells
Main Street	FLB	NIMT	204.7599945	Flashing Lights & Bells
High Street	FLB	NIMT	205.0500031	Flashing Lights & Bells
Otara Road	FLB	NIMT	222.9499969	Flashing Lights & Bells
Toetoe Road	FLB	NIMT	241.8300018	Flashing Lights & Bells
Utiku North Road	FLB	NIMT	243.9600067	Flashing Lights & Bells
Gorge Road	FLB	NIMT	245.6000061	Flashing Lights & Bells
Rauma Road	FLB	NIMT	250.3300018	Flashing Lights & Bells
Ruru Road	FLB	NIMT	253.0500031	Flashing Lights & Bells
King Street	HAB	MNPL	0.170000002	Half arm Barriers with flashing lights and bells
Matai Street	HAB	NIMT	180.8600006	Half arm Barriers with flashing lights and bells
Taupaki Road	FLB	NAL	39.43000031	Flashing Lights & Bells
Access Road	FLB	NAL	44.5	Flashing Lights & Bells
Waimauku Station Road	FLB	NAL	50.77000046	Flashing Lights & Bells
Kanohi Road	FLB	NAL	77.69000244	Flashing Lights & Bells
Silver Hill Road	FLB	NAL	124.6200027	Flashing Lights & Bells
Maraeroa Road	FLO	Rotorua	29.23999977	Out of use
Ngongotaha Road	FLO	Rotorua	42.04999924	Out of use
Taui Street	FLO	Rotorua	42.66999817	Out of use
Kawaha Point Road	HAO	Rotorua	46.40999985	Half arm Barriers Out of use
Fisher Road	FLB	NIMT	347.2600098	Flashing Lights & Bells
Oio Road	FLB	NIMT	371.1400146	Flashing Lights & Bells
Kawautahi Road	FLB	NIMT	372.3900146	Flashing Lights & Bells
Owhango Road	FLB	NIMT	372.7200012	Flashing Lights & Bells
Service Road	FLB	NIMT	381.3699951	Flashing Lights & Bells
Racecourse Road	FLB	NIMT	393.75	Flashing Lights & Bells
Ongarue Back Road	FLB	NIMT	402.2200012	Flashing Lights & Bells

Name	PR Code	Line Name	Metrage	Type
Ongarue Back Road	FLB	NIMT	410.6600037	Flashing Lights & Bells
Porootarao Road	FLB	NIMT	434.5599976	Flashing Lights & Bells
Ngauruhoe Street	HAB	NIMT	290.6300049	Half arm Barriers with flashing lights and bells
Raurimu Road	HAB	NIMT	358.8200073	Half arm Barriers with flashing lights and bells
Titoki Street	HAB	NIMT	391.5400085	Half arm Barriers with flashing lights and bells
Ongarue Village Road	HAB	NIMT	420.4200134	Half arm Barriers with flashing lights and bells
Jones Road	FLB	Midland	0.660000026	Flashing Lights & Bells
Bealey Road	FLB	Midland	11.39000034	Flashing Lights & Bells
Horndon Street	FLB	Midland	23.53000069	Flashing Lights & Bells
Mathias Street	FLB	Midland	24.77000046	Flashing Lights & Bells
McMillan Street	FLB	Midland	25.48999977	Flashing Lights & Bells
North Terrace	FLB	Midland	26.12000084	Flashing Lights & Bells
Waimakariri Gorge Road	FLB	Midland	37.27000046	Flashing Lights & Bells
Curve Road	FLB	Midland	38.34000015	Flashing Lights & Bells
Queen Street	FLB	Midland	39.36999893	Flashing Lights & Bells
Aylesbury Road	FLB	MSL	38.91999817	Flashing Lights & Bells
Telegraph Road	FLB	MSL	45.11000061	Flashing Lights & Bells
Boundary Creek Road	FLB	MSL	48.84999847	Flashing Lights & Bells
Browns Road	FLB	MSL	49.97000122	Flashing Lights & Bells
Pococks Road	HAB	Midland	48.74000168	Half arm Barriers with flashing lights and bells
Curraghs Road	HAB	MSL	27.17000008	Half arm Barriers with flashing lights and bells
Weedons Ross Road	HAB	MSL	30.32999992	Half arm Barriers with flashing lights and bells
Hoskyns Road	HAB	MSL	32.43000031	Half arm Barriers with flashing lights and bells
Mount White Bridge	PB	Midland	96.08000183	Level Xing with bells only
Palmer Road	FLB	Kapuni	8.300000191	Flashing Lights & Bells
Lower Okotuku Road	FLB	MNPL	85.62000275	Flashing Lights & Bells
Oturi Road	FLB	MNPL	89.73000336	Flashing Lights & Bells
Mokoia Road	FLB	MNPL	122.8899994	Flashing Lights & Bells
Whareroa Road	FLB	MNPL	129.8999939	Flashing Lights & Bells
High Street	FLB	MNPL	132.0299988	Flashing Lights & Bells
Tawhiti Road	FLB	MNPL	132.7400055	Flashing Lights & Bells
Turuturu Road	FLB	MNPL	134.1499939	Flashing Lights & Bells
Ohangai Road	FLB	MNPL	137.0599976	Flashing Lights & Bells
Egmont Street	FLB	MNPL	137.9499969	Flashing Lights & Bells
Austin Road	FLB	MNPL	140.2899933	Flashing Lights & Bells
London Street	FLB	MNPL	151.4600067	Flashing Lights & Bells
Bridge Street	FLB	MNPL	151.6199951	Flashing Lights & Bells
George Street	FLB	MNPL	152.3000031	Flashing Lights & Bells
Clifford Road	FLB	MNPL	152.6600037	Flashing Lights & Bells
Rangipai Road	FLB	Kinleith	21.01000023	Flashing Lights & Bells
Totman Road	FLB	Kinleith	22.59000015	Flashing Lights & Bells
Kinloch Road	FLB	Kinleith	42.65999985	Flashing Lights & Bells
Vospers Road	FLB	Kinleith	43.77000046	Flashing Lights & Bells
Rollett Road	FLB	Kinleith	54.59000015	Flashing Lights & Bells
Baird Road	FLB	Kinleith	56.50999832	Flashing Lights & Bells

Name	PR Code	Line Name	Metrage	Type
Bridge Street	FLB	Kinleith	57.34999847	Flashing Lights & Bells
Balmoral Drive	FLB	Kinleith	59.20000076	Flashing Lights & Bells
Campbell Road	FLB	Kinleith	60.52000046	Flashing Lights & Bells
Kinleith Road	FLB	Kinleith	64.59999847	Flashing Lights & Bells
Okoroire Road	HAB	Kinleith	26.36000061	Half arm Barriers with flashing lights and bells
Main Street	HAB	Kinleith	35.77000046	Half arm Barriers with flashing lights and bells
Wiltstown Road	HAB	Kinleith	46.93000031	Half arm Barriers with flashing lights and bells
Brandon Street	FLB	WL	56.24000168	Flashing Lights & Bells
Fox Street	FLB	WL	56.68999863	Flashing Lights & Bells
Bell Street	FLB	WL	56.91999817	Flashing Lights & Bells
Woodside Road	FLB	WL	65.33000183	Flashing Lights & Bells
Ferry Road	FLB	MSL	564.3599854	Flashing Lights & Bells
Dacre-Morton Mains Road	FLB	MSL	575.4799805	Flashing Lights & Bells
Flemington Road	FLB	MSL	583.2299805	Flashing Lights & Bells
Longbush South Road	FLB	MSL	587.8200073	Flashing Lights & Bells
Thornbury Waimatuku Road	FLB	Ohai	25.67000008	Flashing Lights & Bells
Main Street	FLB	Ohai	48.65999985	Flashing Lights & Bells
George Street	FLB	Ohai	50.25	Flashing Lights & Bells
Finnerty Road	FLB	MNPL	156.3099976	Flashing Lights & Bells
Climie Road	FLB	MNPL	157.8099976	Flashing Lights & Bells
Hills Road	FLB	MNPL	160.3600006	Flashing Lights & Bells
Seyton Street	FLB	MNPL	162.5700073	Flashing Lights & Bells
Pembroke Road	FLB	MNPL	162.8500061	Flashing Lights & Bells
Beaconsfield Road	FLB	MNPL	167.4499969	Flashing Lights & Bells
Kent Terrace	FLB	MNPL	168.0700073	Flashing Lights & Bells
York Road	FLB	MNPL	169.4799957	Flashing Lights & Bells
Bird Road	HAB	MNPL	159.3600006	Half arm Barriers with flashing lights and bells
Fenton Street	HAB	MNPL	161.8800049	Half arm Barriers with flashing lights and bells
Range Road	FLB	PNGL	28.20000076	Flashing Lights & Bells
Law Road	FLB	PNGL	51.31000137	Flashing Lights & Bells
Rawhiti Street	FLB	PNGL	52.29999924	Flashing Lights & Bells
Allardice Street	FLB	PNGL	53.72000122	Flashing Lights & Bells
Cole Street	FLB	PNGL	54.65000153	Flashing Lights & Bells
Hospital Street	FLB	PNGL	55.45999908	Flashing Lights & Bells
Ruahine Street	FLB	PNGL	55.81000137	Flashing Lights & Bells
Makotuku South Crossing	FLB	PNGL	70.01999664	Flashing Lights & Bells
Matamau Ormondville Road	FLB	PNGL	70.65000153	Flashing Lights & Bells
Norsewood Ormondville Rd	FLB	PNGL	73.45999908	Flashing Lights & Bells
Alfredton Road	FLB	WL	127.0500031	Flashing Lights & Bells
Haswell Street	FLB	WL	127.3499985	Flashing Lights & Bells
Hamua-Hukunui Road	FLB	WL	137.0599976	Flashing Lights & Bells
Hall Street	FLB	WL	154.4299927	Flashing Lights & Bells



Name	PR Code	Line Name	Metrage	Type
Range Road	FLB	WL	168.1900024	Flashing Lights & Bells
Stanley Street	HAB	PNGL	53.09000015	Half arm Barriers with flashing lights and bells
Maxwells Road	FLB	ECMT	96.48000336	Flashing Lights & Bells
Hamilton Street Ped	FLB	ECMT	98.15000153	Flashing Lights & Bells
Maungatawa Quarry Road	FLB	ECMT	106.6100006	Flashing Lights & Bells
Kairua Road	FLB	ECMT	108.8399963	Flashing Lights & Bells
Totara Street No.3 Sdg	FLB	Mt Maunganui		Flashing Lights & Bells
Bureta Road	HAB	ECMT	95.68000031	Half arm Barriers with flashing lights and bells
Cross Road	HAB	ECMT		Half arm Barriers with flashing lights and bells
Dive Crescent	HAB	ECMT	98.01000214	Half arm Barriers with flashing lights and bells
Wharf Street	HAB	ECMT	98.26999664	Half arm Barriers with flashing lights and bells
Matapihi Road	HAB	ECMT	101.9599991	Half arm Barriers with flashing lights and bells
Matapihi Road	HAB	Mt Maunganui	0.970000029	Half arm Barriers with flashing lights and bells
Hull Road	HAB	Mt Maunganui	4.300000191	Half arm Barriers with flashing lights and bells
Totara Street	HAB	Mt Maunganui	5.210000038	Half arm Barriers with flashing lights and bells
Rise Road	FLB	MSL	147.0800018	Flashing Lights & Bells
Springfield Road	FLB	MSL	150.5	Flashing Lights & Bells
Richard Pearse Drive	FLB	MSL	152.1999969	Flashing Lights & Bells
Domain Avenue	FLB	MSL	153.1600037	Flashing Lights & Bells
Arowhenua Station Road	FLB	MSL	156.3500061	Flashing Lights & Bells
Dominion Road	FLB	MSL	158.9100037	Flashing Lights & Bells
Heaton Street	FLB	MSL		Flashing Lights & Bells
Port Loop Rd (North Mole)	FLB	MSL		Flashing Lights & Bells
Ritchie Street	FLB	MSL		Flashing Lights & Bells
Orari Station Road	HAB	MSL	140.8500061	Half arm Barriers with flashing lights and bells
Denmark Street	HAB	MSL	152.8699951	Half arm Barriers with flashing lights and bells
Seadown Road	HAB	MSL	163.75	Half arm Barriers with flashing lights and bells
Meadows Road	HAB	MSL	165.75	Half arm Barriers with flashing lights and bells
Heaton Street	HAB	MSL	171.3600006	Half arm Barriers with flashing lights and bells
Pareora Avenue	HAB	MSL	182.3200073	Half arm Barriers with flashing lights and bells
Sutherland Avenue	HAB	WL	28.87999916	Half arm Barriers with flashing lights and bells
Ward Street	HAB	WL	31.19000053	Half arm Barriers with flashing lights and bells
Blenheim Street	HAB	WL	32.02000046	Half arm Barriers with flashing lights and bells
Tauwhare Road	FLB	Cambridge	7.130000114	Flashing Lights & Bells
Percival Road	FLB	ECMT	5.949999809	Flashing Lights & Bells
Telephone Road	FLB	ECMT	11.07999992	Flashing Lights & Bells
Waverley Road	FLB	ECMT	15.43000031	Flashing Lights & Bells
Island Block Road	FLB	NIMT	604.2600098	Flashing Lights & Bells
Horotiu Road	HAB	NIMT	553.9000244	Half arm Barriers with flashing lights and bells
Park Road	HAB	NIMT	555.539978	Half arm Barriers with flashing lights and bells
Saulbrey Road	HAB	NIMT	556.5499878	Half arm Barriers with flashing lights and bells
Havelock Road	HAB	NIMT	557.6099854	Half arm Barriers with flashing lights and bells

Name	PR Code	Line Name	Metrage	Type
Princess Street	HAB	NIMT	559.4099731	Half arm Barriers with flashing lights and bells
Waingaro Road	HAB	NIMT	559.6699829	Half arm Barriers with flashing lights and bells
Old Taupiri Road	HAB	NIMT	560.0599976	Half arm Barriers with flashing lights and bells
Kainui Road	HAB	NIMT	565.1799927	Half arm Barriers with flashing lights and bells
Tregoweth Lane	HAB	NIMT	571.8599854	Half arm Barriers with flashing lights and bells
Bell Crossing	HAB	NIMT	574.5999756	Half arm Barriers with flashing lights and bells
Fletcher Street	HAB	NIMT	576.2399902	Half arm Barriers with flashing lights and bells
East Mine Road	HAB	NIMT	577.3900146	Half arm Barriers with flashing lights and bells
Fisher Road	HAB	NIMT	578.9299927	Half arm Barriers with flashing lights and bells
Te Kauwhata Road	HAB	NIMT	591.4299927	Half arm Barriers with flashing lights and bells
Oram Road	HAB	NIMT	606.5999756	Half arm Barriers with flashing lights and bells
Harris Street	HAB	Rotowaro	0.82999983	Half arm Barriers with flashing lights and bells
Peraki Street	FLB	MNL	19.38999939	Flashing Lights & Bells
Mulcocks Road	FLB	MNL	23.34000015	Flashing Lights & Bells
Fernside Road	FLB	MNL	24.78000069	Flashing Lights & Bells
Boys Road	FLB	MNL	28.10000038	Flashing Lights & Bells
Northbrook Road	FLB	MNL	28.88999939	Flashing Lights & Bells
Wales Street	FLB	MNL	30.45999908	Flashing Lights & Bells
Coldstream Road	FLB	MNL	31.04000092	Flashing Lights & Bells
High Street	FLB	MNL	32.97000122	Flashing Lights & Bells
Toppings Road	FLB	MNL	39.56999969	Flashing Lights & Bells
Harleston Road	FLB	MNL	41.34999847	Flashing Lights & Bells
Courtenay Drive	HAB	MNL	18.26000023	Half arm Barriers with flashing lights and bells
Williams Street	HAB	MNL	19.07999992	Half arm Barriers with flashing lights and bells
High Street	HAB	MNL	29.71999931	Half arm Barriers with flashing lights and bells
Braddon Street (North)	FLB	MSL	187.25	Flashing Lights & Bells
Lucks Road	FLB	MSL	214.7899933	Flashing Lights & Bells
Horsenells Road	FLB	MSL	218.5200043	Flashing Lights & Bells
Morven Beach Road	FLB	MSL	220.7400055	Flashing Lights & Bells
Crowes Road	FLB	MSL	221.7799988	Flashing Lights & Bells
White Street	FLB	MSL	230.8500061	Flashing Lights & Bells
Foleys Road	HAB	MSL	210.2899933	Half arm Barriers with flashing lights and bells
Te Mawhai Road	FLB	NIMT	513.0900269	Flashing Lights & Bells
Forkert Road	FLB	NIMT	527.6500244	Flashing Lights & Bells
Rukuhia Road	FLB	NIMT	533.4899902	Flashing Lights & Bells
Alexandra Street	HAB	NIMT	517.4500122	Half arm Barriers with flashing lights and bells
Collins Road	HAB	NIMT	538.3800049	Half arm Barriers with flashing lights and bells
Ormond Drive	FLB	PNGL	335.8500061	Flashing Lights & Bells
New Lynn Ped	FLB	NAL	19.48999977	Flashing Lights & Bells
Corbans Ped	FLB	NAL	27.13999939	Flashing Lights & Bells
Oneills Road Ped	FLB	NAL	31.38999939	Flashing Lights & Bells
Portage Road	HAB	NAL	18.87999916	Half arm Barriers with flashing lights and bells
Veronica Street	HAB	NAL	19.07999992	Half arm Barriers with flashing lights and bells
Totara Avenue	HAB	NAL	19.55999947	Half arm Barriers with flashing lights and bells
Fruitvale Road	HAB	NAL	20.94000053	Half arm Barriers with flashing lights and bells
Glenview Road	HAB	NAL	22.43000031	Half arm Barriers with flashing lights and bells
Sherrybrooke Place	HAB	NAL	24.20000076	Half arm Barriers with flashing lights and bells

Name	PR Code	Line Name	Metrage	Type
Bruce McLaren Road	HAB	NAL	25.54999924	Half arm Barriers with flashing lights and bells
Mt Lebanon Lane	HAB	NAL	27.37000084	Half arm Barriers with flashing lights and bells
Metcalfe Road	HAB	NAL	29.5	Half arm Barriers with flashing lights and bells
Christian Road	HAB	NAL	32.36000061	Half arm Barriers with flashing lights and bells
Robertson Road	FLB	MSL	238.1300049	Flashing Lights & Bells
Richmond Road	FLB	MSL	243.4600067	Flashing Lights & Bells
Redcastle Road	FLB	MSL	250.5200043	Flashing Lights & Bells
Waitaki Avenue	FLB	MSL	251.2200012	Flashing Lights & Bells
Caledonian Road	FLB	MSL	252.0099945	Flashing Lights & Bells
Weaver Street	FLB	MSL	252.7299957	Flashing Lights & Bells
Orwell Street	FLB	MSL	252.8000031	Flashing Lights & Bells
Thames Street	FLB	MSL	254.6199951	Flashing Lights & Bells
Solway Street	FLB	MSL	256.3999939	Flashing Lights & Bells
Thousand Acre Road	FLB	MSL	259.6300049	Flashing Lights & Bells
Glencoe Road	FLB	MSL	277.3500061	Flashing Lights & Bells
Moeraki Boulders Road	FLB	MSL	292.6499939	Flashing Lights & Bells
Moeraki Road	FLB	MSL	293.8299866	Flashing Lights & Bells
Goodwood Road	FLB	MSL	315.3900146	Flashing Lights & Bells
Works Road	HAB	MSL	245.7299957	Half arm Barriers with flashing lights and bells
Regina Lane	HAB	MSL	251.5299988	Half arm Barriers with flashing lights and bells
Coquet Street	HAB	MSL	254.0500031	Half arm Barriers with flashing lights and bells
Ross Road	HAB	MSL	276.0799866	Half arm Barriers with flashing lights and bells
Waimiha Road	FLB	NIMT	447.1400146	Flashing Lights & Bells
Te Kumi Station Road	FLB	NIMT	479.2099915	Flashing Lights & Bells
Ward Street	HAB	NIMT	476.2000122	Half arm Barriers with flashing lights and bells
Rora Street	HAB	NIMT	476.519989	Half arm Barriers with flashing lights and bells
Mangarino Road	HAB	NIMT	485.4400024	Half arm Barriers with flashing lights and bells
Okoia Road	FLB	MNPL	35.61000061	Flashing Lights & Bells
Western Line	FLB	MNPL	49.97999954	Flashing Lights & Bells
Kaikokopu Road	FLB	Wanganui	0.20000003	Flashing Lights & Bells
Barrack Street	FLB	Wanganui	0.870000005	Flashing Lights & Bells
Halswell Street	FLB	Wanganui	1.350000024	Flashing Lights & Bells
Pitt Street	FLB	Wanganui	1.600000024	Flashing Lights & Bells
Harrison Street	FLB	Wanganui	1.960000038	Flashing Lights & Bells
Glasgow Street	FLB	Wanganui	2.75999999	Flashing Lights & Bells
Liverpool Street	FLB	Wanganui	2.99000001	Flashing Lights & Bells
Purnell Street	FLB	Wanganui	3.819999933	Flashing Lights & Bells
Taupo Quay	FLB	Wanganui	4.679999828	Flashing Lights & Bells
Heads Road	FLO	Castlecliff	3.670000076	Out of use
Holyoake Street	HAB	MNPL	41.81000137	Half arm Barriers with flashing lights and bells
Poutini Street	HAB	MNPL	42.38000107	Half arm Barriers with flashing lights and bells
Somme Parade	HAB	MNPL	42.86999893	Half arm Barriers with flashing lights and bells
Victoria Avenue	HAB	Wanganui	2.450000048	Half arm Barriers with flashing lights and bells
College Street	HAB	Wanganui	3.599999905	Half arm Barriers with flashing lights and bells
Guyton Street	HAB	Wanganui	4.150000095	Half arm Barriers with flashing lights and bells
Simla Crescent	HAB	Johnsonville	6.829999924	Half arm Barriers with flashing lights and bells

Name	PR Code	Line Name	Metrage	Type
Station Road	HAB	Johnsonville	7.94000057	Half arm Barriers with flashing lights and bells
Fraser Avenue	HAB	Johnsonville	8.81000042	Half arm Barriers with flashing lights and bells
Waterloo Quay (South)	HAB	NIMT		Half arm Barriers with flashing lights and bells
Waterloo Quay (North)	HAB	NIMT		Half arm Barriers with flashing lights and bells
Tawa Street	HAB	NIMT	13.05000019	Half arm Barriers with flashing lights and bells
McLellan Street	HAB	NIMT	14.52000046	Half arm Barriers with flashing lights and bells
Collins Avenue	HAB	NIMT	15.09000015	Half arm Barriers with flashing lights and bells
Paparoa Road	FLB	ECMT	87.05000305	Flashing Lights & Bells
Bell Road	FLB	ECMT	113.0500031	Flashing Lights & Bells
Kenana Road	FLB	ECMT	122.2699966	Flashing Lights & Bells
Pah Road	FLB	ECMT	123.6900024	Flashing Lights & Bells
Pongakawa School Road	FLB	ECMT	134.2700043	Flashing Lights & Bells
Pongakawa Station Road	FLB	ECMT	135.2200012	Flashing Lights & Bells
Maketu Road	HAB	ECMT	125.8300018	Half arm Barriers with flashing lights and bells
Park Street	FLB	Hokitika	37.93000031	Flashing Lights & Bells
Hampden Street	FLB	Hokitika	38.16999817	Flashing Lights & Bells
Otira Settlement Road	HAB	Midland	130.1300049	Half arm Barriers with flashing lights and bells
Manawahe Road	FLB	ECMT	161.5200043	Flashing Lights & Bells
Simpsons Crossing	FLB	ECMT	163.7599945	Flashing Lights & Bells
Western Drain Road	FLO	Taneatua	9.170000076	Out of use
Tauraroa Road	FLB	NAL	187.4100037	Flashing Lights & Bells
Kioreroa Road	FLB	NAL	211.75	Flashing Lights & Bells
Manse Street	FLB	NAL	215.0899963	Flashing Lights & Bells
Wrack Street	FLB	NAL	215.5399933	Flashing Lights & Bells
Kensington Avenue	FLB	NAL	215.7799988	Flashing Lights & Bells
Kamo Road	FLB	NAL	216.3699951	Flashing Lights & Bells
Saleyards Road	FLB	NAL	226.0299988	Flashing Lights & Bells
Valley Road	FLB	NAL	232.1000061	Flashing Lights & Bells