



2024 DIARY & PRODUCT GUIDE



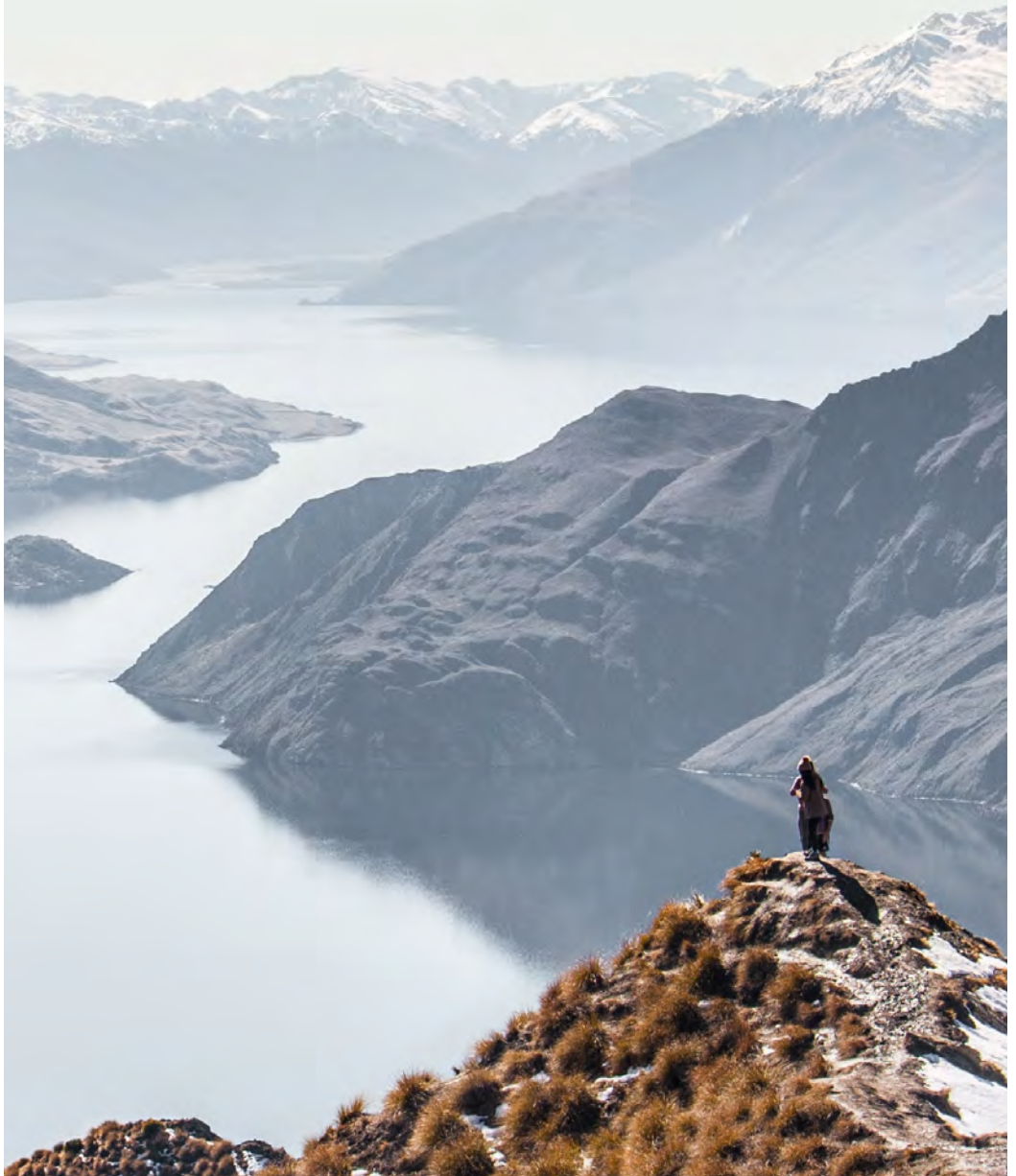
# 2024 DIARY & PRODUCT GUIDE

[www.rtl.co.nz](http://www.rtl.co.nz)

0800 785 744



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## OUR CORE VALUES

RTL manufactured its first traffic sign over 30 years ago. Since then we have grown to become a leading and trusted supplier to our industry. RTL is dedicated to providing customers with “quality products on time, every time”. With this commitment in mind, RTL has manufacturing and distribution across the country with branches in Auckland, Wellington, Christchurch & Invercargill.

Our staff are our greatest resource, committed to our industry, and producing and selling quality products. RTL has the specialist skills and equipment to be able to offer original concept artwork and design, commercial and custom made sign frames and support systems. RTL also holds exclusive distribution agencies for many of the world’s leading Road Safety product suppliers.

Whatever your Traffic Control or Road Safety needs, RTL provides them on time, every time with compliant, top quality products at competitive prices.

**Putting CUSTOMERS first**

**Consistently HIGH QUALITY products**

**SUPPORTING our people**

**PARTNERING with our customers and suppliers**

**Keeping our people SAFE at work**

**INNOVATION through continuous improvement and development**





## QUALITY ASSURANCE - ISO 9001

RTL has a proven Quality Assurance Management System in place.

- Customers are assured that Total Quality Management Systems are in place throughout the company
- Continuous Improvement is built into every procedure and process at RTL
- Compliance and regulatory affairs is top of mind at RTL
- Customers can rely on us for up-to-date compliance information
- Customers can be assured that all products are quality controlled to a high level of specification

## GUARANTEE

RTL prides itself in providing quality signs and guarantees all of its products against defects in material and workmanship at the time of delivery.

If any RTL product is defective at the time of delivery, and provided the defect or damage is attributable solely to RTL it will, at its discretion, repair or replace that product without charge, including freight within New Zealand.

The obligations of RTL under this guarantee are limited to the repair or the replacement of the product and do not extend to any consequential loss or damage. It is for the purchaser to specify correctly to RTL the choice of copy, finish, material or colour and also for the purchaser to satisfy itself as to the quality, and/or fitness for purpose of the particular product. All statutory and other warranties are hereby excluded.

The installation, location or use of any products supplied by RTL shall be the sole responsibility of the purchaser.

## OUR BRANCHES

Branch:	Address:	Number:
Auckland	31 Maurice Road, Penrose	Ph: 09 259 2600
Wellington	Unit D3, 59-61 Marsden Street, Lower Hutt	Ph: 04 232 3774
Christchurch	8a Cable Street, Sockburn	Ph: 03 336 0086
Invercargill	88 Bill Richardson Drive, Avenal	Ph: 03 211 0300



**Free Phone: 0800 785 744**

**Email: [sales@rtl.co.nz](mailto:sales@rtl.co.nz)**

**Email: [service@rtl.co.nz](mailto:service@rtl.co.nz)**

Note: Whilst every endeavor has been made to provide accurate information, we recommend that you check the Waka Kotahi website for sizes, codes, and sign specifications.

# REFLECTIVE SHEETING GUIDE

SHEETING NAME & DETAILS	FACE PATTERN	USAGE GUIDELINES & SERVICE LIFE
<b>Engineer Grade - EG</b> T-1500 EG Series AS/NZS 1906.1 Class 100, ASTM Type I	No face pattern.	Lowest cost reflective sheeting specified for use in traffic applications. Parking signs. Outdoor recreation signs. Service life exceeds 7 years.
<b>High Intensity Prismatic - HIP</b> <b>T-6500 HIP Series</b> AS/NZS 1906.1 Class 400 ASTM Type III and ASTM Type IV	Hexagonal (honeycomb) Pattern with “HIP” watermark and pre-printed lot number identification (eg. <b>4A2116</b> ) on the face film for tracking and authentication.	Excellent value grade of prismatic reflective sheeting. Used for most permanent traffic signs. Service life exceeds 10 years when combined with Avery Dennison OL-2000 Series transparent coloured films or 12 years when combined with OL-1000 anti graffiti film.
<b>OmniCube</b> T-11500 OmniCube Series AS/NZS 1906.1 Class 1100 ASTM TypeXI   Certified Authorised Converter	Hexagonal (honeycomb) Pattern with watermark and pre-printed lot number identification (eg. <b>4A2116</b> ) on the face film for tracking and authentication.  	Highest grade of prismatic reflective sheeting. Full cube prisms are 100% efficient in returning light back to the driver, using intelligent cube technology. It is the perfect choice for high reflectivity at both long and short distances and it has a wide viewing angle.  Service life exceeds 12 years when combined with Avery Dennison OL-2000 series transparent coloured films, or 15 years when combined with OL-1000 anti graffiti film.

The colours below represent the different reflective sheeting used in our Temporary Warning sign range.



Fluorescent HIP Orange  
eg **T1A**



HIP Orange  
eg **TL96**



HIP White  
eg **T1B**



# TEMPORARY WARNING SIGNS

## SIGN SIZE GUIDE

### Standard Sign Sizes - Level 1



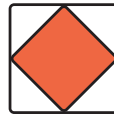
750 x 750



1 line  
supplementary  
900 x 300



2 line  
supplementary  
900 x 450



1200 x 1200

### Standard Sign Sizes - Level 2/3



1 line  
supplementary  
1200 x 450



2 line  
supplementary  
1200 x 600

## T1 TEMPORARY - ROAD WORKER

T1A



TW-1A

T1B



TW-1B

T121



Also available with  
backing board and  
in:- 1km, 3km & 4km

TW-1.1

T131



TW1-2.1

T145



TW-1.2.2

T132



TW-1.3

T133



TW-1.3

T134



TW-1.4

T135



TW-1.5

T136



TW-1.3

T137



TW-1.3

T138



TW-1.6

T139



TW-1.7

T140



TW-1.8

T141



1200 x 1800

TW-1B.1.1

T142



Variation: 2km

1200 x 600

TW-1B.1.1(Alt)

T143



2400 x 1800

TW-1B2.1

T144



Variations:  
20km to 80km

TW-1B3

## TV TEMPORARY - VEHICLE MOUNTED

TV1



TW-25

TV2



TW-26

TV3



TW-27

TV4



TW-34

Pass with Care



Right  
Pass with Care

TW-34 with RG-17 or 34





























TCD Code  
MOTSAM







Please refer to the latest edition of the TCD Rule and CoPTTM / NZGTTM for sign specifications



## T2 - TEMPORARY - HAZARD WARNING

T2A	T2B	T211	T212	T213	T214	T215
						
TW-2A	TW-2B	TW-2.1	TW-2.2	TW-2.3	TW-2.4	TW-2.5
T216	T217	T218	T219	T220	T221	T222
						
TW-2.6	TW-2.7	TW-2.8	TW-2.9	TW-2.10	TW-2.11	TW-2.12
T223	T224	T225	T226	T227	T228	T229
						
TW-2.14	TW-2.15	TW-2.17	TW-2.18	TW-2.13.1	TW-2.13.2	TW-2.13.3
T230	T231	T232	T233	T234	T235	T236
						
TW-2.16.1	TW-2.16.2	TW-2.16.3	-	-	-	-

## TF TEMPORARY - FAUNA / ANIMALS

T237	T238	TF1	TF2
			
-	-	TW-6A	TW-6.1B

## SIGN BRANDING SERVICE

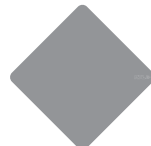
To enhance your company profile and quickly identify your gear onsite, RTL can brand your company logo onto TW signage.

Call us today about branding your signs.



TEMPORARY

Logo Punch



Logo Engrave

Please refer to CoPTTM / NZGTTM for logo specifications.

## SIGN SIZE GUIDE

### Standard Sign Sizes - Level 1



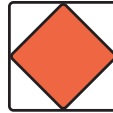
750 x 750



1 line  
supplementary  
900 x 300



2 line  
supplementary  
900 x 450



1200 x 1200

### Standard Sign Sizes - Level 2/3



1 line  
supplementary  
1200 x 450



2 line  
supplementary  
1200 x 600

## TL TEMPORARY - LANE USE / MANAGEMENT

Left hand version shown  
Right hand version available

### TL2L



Right: TL2R

TW-7

### TL3L



Right: TL33

TW-7.1

### TL31



Right: TL32

TW-7.1.1

### TL4L



Size: 1500 x 1200

TW-7.2

### TL5L



TW-8

### TL6L



Size: 1500 x 1200

TW-8.1

### TL71



TW-9

### TL72



TW-10

### TL81



TW-11

### TL82



TW-12

### TLS



Variations:  
100m 300m  
200m 400m  
-

TCD Code  
MOTSAM

### TL9L



Left

TW-13

### TL9R



Right

TW-13

### TL9B



TW-13.1

### TL9S



TW-13

### TL1A



TW-35A

### TL1B



TW-35B

## TR TEMPORARY - ROAD SURFACE

Left hand version shown  
Right hand version available

### TR1LA



Left

TW-3A

### TR1LB



TW-3B

### TR2A



TW-4A

### TR2B



TW-4B

### TR21



TW-4.1

-



-

### TR3A



TW-5A

### TR3B



TW-5B

### TR31



TW-5.1

### TR32



TW-5.2

### TR4A



TW-36A

### TR4B



TW-36B

## SIGN SIZE GUIDE

### Standard Sign Sizes



Detour Direction  
Level 1: 900 x 300  
Level 2: 1200 x 450



Detour Ends  
Level 1: 900 x 450  
Level 2: 1200 x 600



Level 1: 1000 x 750



Level 2: 1500 x 1200



325 x 325 x 325



1200 x 1200

## TD TEMPORARY - DETOUR

TD1



TW-20

TD2



TW-20.1

TD3A



TW-21

TD3B



TW-21

TD3C



TW-21

TD3D



TW-21

TD3E



-

TD5



TW-23

### TW-22 Detour Direction

	TDA1	TDB1	TDC1	TDD1
Turn Left				
	TDA2	TDB2	TDC2	TDD2
Turn Right				
	TDA3	TDB3	TDC3	TDD3
Veer Left				
	TDA4	TDB4	TDC4	TDD4
Veer Right				
	TDA5	TDB5	TDC5	TDD5
Straight LH				
	TDA6	TDB6	TDC6	TDD6
Straight RH				

RP4



Stop

RP41



Go

RP42



Please specify if SLOW

TW-33 TW-33

-

## TZ TEMPORARY - MISCELLANEOUS

TZ1L



Variation: 200m

TW-28

TZ1R



Variation: 200m

TW-28

TZ2L



TW-29

TZ2R



TW-29

Concrete Barrier Delineators

MD17 01



Left showing.  
Right available

Temporary Bus Stop Signs





## SIGN SIZE GUIDE

### Standard Sign Sizes - Level 1



750 x 750



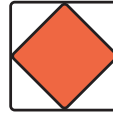
1 line  
supplementary  
900 x 300



2 line  
supplementary  
900 x 450



2 line  
supplementary  
900 x 450



1200 x 1200

### Standard Sign Sizes - Level 2/3



1 line  
supplementary  
1200 x 450



2 line  
supplementary  
1200 x 600

## TU TEMPORARY - USERS, NON - MOTORISED

TU1



TW-30

TU2



TW-31

TU31



TW-32

TU32



TW-32

TU33



TW-32

TU34



TW-32

TU35



TW-32

TU36



TW-32

TU41



TW-32

TU42



TW-32

TU43



TW-32

TU44



TW-32

TU45



TW-32

TU46



TW-32

## TG TEMPORARY - GENERAL SUPPLEMENTARY

TG1



RG-4S

TG2



TW-16

TG31



TW-17

TG32



TW-16/17

TG4



TW-19

TG51



1200 x 800

TW-24.1

TG52



1200 x 800

TW-24.1

## TA TEMPORARY - ADVANCE WARNING OF TCD

TA1



TW-14A

TA1



TW-14B

TA2



TW-15A

TA21



TW-18

TA2



TW-15B

TA21



TW-18

RP62



-

## OTHER TEMPORARY WORK ZONE SIGNS

Left hand version shown

Right hand version available

Speed limits



RG-4

Level 1  
750 MKL

Level 2/3  
1200 HKL

Keep Left / Right



RG-17

Keep Left  
Twin Disc  
Cone Mounted



RG-17.1

Single Lane  
Give way



RG-19



RG-19.1

Single Lane  
Priority



RG-20

No Left Turn



RG-7 No Right Turn  
also available

RG-8

Road Closed



RG-16

No Entry



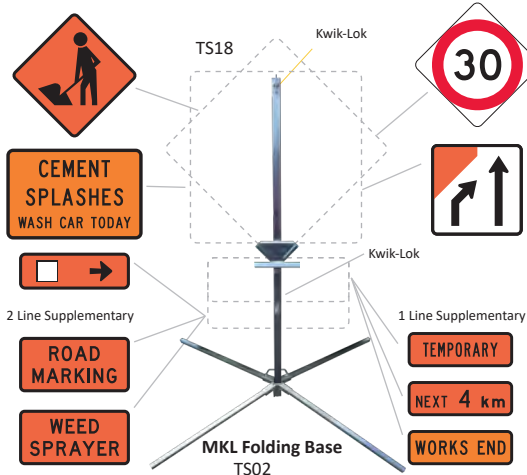
RG-9

# TEMPORARY WARNING STANDS

## MINI KWIK-LOK - LEVEL ONE

### Features:

- One Sign support fits all
- Fast and efficient sign changing
- Double, single sided or half height stands
- Panel storage rack and accessories available
- Streamlined
- Lockable
- Lightweight and user friendly



## HKL KWIK-LOK™

### 1200 Series TW System

#### Level 2/3

### Level 2/3 Base Range

#### Fixed Base

#### TS02



## FLEXI-LITE™ CAR KIT SYSTEM

A simple, easy to use solution that can be set up in an instant to warn motorists that you are working on the road.



Comes with adjustable straps and a bungy cord to suit different vehicle types, from a car to a van!

Custom Legends available

## INSTABOOM GO

Instaboom Stop Go is a new approach to managing traditional STOP GO operations MORE SAFELY. The main objective is to keep the TMO out of the live lane and out of harm's way.



## FLEXI-LITE™ SIGN SYSTEM

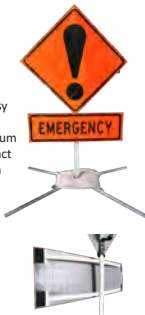
### Flexi-Lite™ Signs

ASNZ 1906 Compliant

Our Flexi-Lite™ Range is an easy to use, light weight, highly portable alternative to aluminium signage. It is a versatile, compact system that can be set up in an instant.

### Features:

- Extremely versatile
- Simple to assemble
- Wide range of sign options
- Highly visible
- Wind resistant
- Easy to clean



### Temporary Speed Hump

CoPTTM C.10.16 Compliant

Temporary Speed Humps are designed to reduce speeds in:

- Temporary Work zones
- In Emergency Situations
- At Special Events

### Specifications:

Length: 3000mm  
Width: 225mm  
Weight: 16.3kg



T045

### Hybrid Stop Go Unit

- Safely manage traffic out of the live lane
- One person can operate a site
- Extremely simple to operate
- One person lift off the ute or truck

# TRAFFIC MANAGEMENT

## VER-MAC® VARIABLE MESSAGE SIGNS

Trailer models include 1500C (Extra Large), 320XS Pro (Medium) & 548 (Small). Optional extras include radar and data logger, cameras, Braked & Stealth Upgrades (for the full range) and full RGB Screens.

The Medium VMS is our most popular variable message sign. It has a compact design for use where space is limited. The 320X(SP) VMS comes braked and has Stealth Technology to prevent battery theft.

### Applications:

- Traffic Management
- Road works & closures
- Project & Work Zone Updates
- Queue Management
- Event Management
- Advance Warning
- Emergency & Safety Alerts
- Speed Feedback & Data Collection



320XS PRO - Medium



### Jamlogic Software - Fleet Management

Jamlogic by Ver-mac, used to remotely monitor, maintain and manage your traffic control equipment - all from your desk or on the road. Jamlogic includes a message library, advanced message editor with scheduling and interactive list and GPS map view of all your equipment.

## VMS V-TOUCH CONTROLLER UPGRADE

Make programming older VMS Trailers a breeze!

RTL's Service Department can replace the keyboard & small screen on older Ver-mac trailers, to the latest V-Touch Controller that is found on most current models.

Email services@rtl.co.nz or sales@rtl.co.nz



## BARROWLIGHT V2 LIGHTS

Fully approved in New Zealand. The BarrowLIGHT V2 portable traffic lights are the safer solution to a Stop/Slow traffic. Using Manual alternating mode, a pair of lights are operated by a single user using the remote.

BarrowLights are simple and fast setup, along with easy programming. The folding traffic light head, provides protection when folded, preventing damage during transit. With its front and rear wheels, it can be easily transported in either wheelbarrow or dolly mode.

### A set includes:

- 2x BarrowLIGHT
- 2x 12v Batteries + chargers
- 2x Target Boards with visors
- 2x solar panels with solar regulators
- 1x Remote
- 2x Safety Sam Signs
- 2x Covers

Solar Powered. Safe. Smart.



## INSTABOOM MOBILE BARRIERS

The Instaboom range of mobile barriers fill a need in New Zealand for innovative safety solutions within traffic management, site access control, short and long-term construction sites and major roading projects.

Both the Instaboom and Instaboom LITE are solar hybrid powered, remote controlled providing instant demarcation for your worksite.

- Portable
- Versatile
- Quick to Deploy
- Solar Powered

### APPROVED:

Waka Kotahi  
M23 Appendix F

For more information  
go to [www.rtl.co.nz](http://www.rtl.co.nz)





## SCORPION II MASH COMPLIANT ATTENUATORS

### Scorpion Attenuators are designed with Saving Lives top of Mind.

RTL is the proud supplier of the Traffix range of Scorpion II MASH compliant Truck Mounted Attenuators (TMAs) and a Trailer Attenuator (TA). With our experience and knowledge in the NZ market and backed by our US Supplier Traffix, you can confidently choose our attenuators for your shadow vehicles. Our product range includes:

#### MASH TL-3 Range:

##### C-90 TMA:



The C-90 is stored in the vertical position and deploys in one movement. The C-90 has the shortest overall length in the market

##### Model C TMA:



The Model C is stored in the folded position. It is a compact, low profile design ideal for high-speed travel on motorways & highways. Available with or without the high reach extension (shown)

##### Trailer (TA):



The main benefit of the TA is that it quickly attaches and detaches from the support vehicle, allowing you to maximize the use of your fleet

#### MASH TL-2 Range:

##### Metro TMA:



The Scorpion II METRO TMA range, by Traffix Devices are MASH approved, ideal for cities and urban districts with posted speeds of 80 kph or less



MASH Scorpion II TMA deployed



MASH Scorpion II Trailer Attenuator (TA)



MASH Scorpion II TL-2+ Metro TMA



## LIGHT ARROW SYSTEM (LAS)

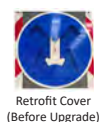
#### LED & Prism LAS:

Light Arrow Systems fulfill a critical role on Level 2/3 State Highways. RTL's Light Arrow System range is built to last and is easy to operate.



#### LAS LED Retrofit Upgrade Package:

Retrofit Covers installed on older LAS (that partially cover the down arrow) were only to be used until December 2020. Our LED Upgrade Package is an economical solution to bring those units back up to compliance.



Retrofit Cover (Before Upgrade)



Upgraded LAS Unit

**Talk to us about upgrading your TM Trucks!**

## 25 LIGHT LED ARROW BOARD

Our 25 Light LED Arrow Boards are used extensively on Level One roads in both mobile and static operations. They are simple to install, easy to operate and are fully compliant to Waka Kotahi specifications.

#### Features:

- 12/24v dual voltage
- Push button controller
- Automatic / manual Brightness control
- Powder coated black aluminium housing
- Low voltage battery indicator



Indicative Design Only

## ADVANCE WARNING VARIABLE MESSAGE SIGN (AWVMS)

Supplied with an innovative Mid Hinge frame, our AWVMS is a compact, low profile design ideal for high-speed travel on motorways & highways. It is fully compliant to Waka Kotahi Specifications and European Standard EN12966.

The Mid Hinge Frame is stored in the folded position and folds up to 90° when in use. It can be bolted onto the deck of a ute or trailer. RTL offer a number of upgrades, including the Quick Release/ Quick Connect System, 12V Dual Charging System Kit, Extended Battery Duration Kit and a 12V Conversion Kit.



#### Features:

- Wireless touch screen controller
- Galvanised steel frame
- Independently powered
- Automatic & manual brightness control
- Xenon lights comply with EN: 12352:2006
- Pre-programmed with approved symbols
- Complies to European Standard EN 12966-1
- Ute or trailer mounted options available



## SMART SIGN TRUCK MOUNTED VMS - TVMS

### New Multi Function Full Matrix LED Board

The Smart Series Truck Mounted VMS, also known as a TVMS is part of our new smart, multi-function range of LED Full Matrix Messaging Products.

**Road User  
Information**

**Work Zone Safety  
Solutions**

**Incident  
Management**

EN 12966 compliant, high definition, full matrix with RGB colours, gives you the user, flexibility in design, messaging and layout. Highly versatile with the ability to change the messaging on-the-go, using either the dedicated Smart Sign App or Server Portal.



RTL Logo used for Illustrative Purposes Only

Retrofittable with existing RTL 25 Level One Arrow boards

## END TREATMENTS & BARRIER SYSTEMS

### Featured in the Waka Kotahi M23 Specification

#### SLED™ US - up to 100km/hr

SLED US™ by Traffix Devices, is a MASH Approved End Treatment for higher speed zone applications (up to 100km).



#### SLED™ Mini - up to 70km/hr

SLED Mini™ by Traffix Devices, is a MASH Approved End Treatment for lower speed zone applications (50km and 70km).



### Big Sandy Range

The Big Sandy is a MASH approved Crash Cushion / End Treatment filled with sand - hence the name Big Sandy. Barrels are available in 90-320 kg, 640 kg & 960 kg.

Big Sandy Barrels are suitable for a wide range of speed zones up to 110 km/hr.

Different configurations & barrel sizes are specified for different speed zones. Barrel sizes



## SENTRY II WATER-CABLE BARRIER

### Featured in Waka Kotahi M23 Road Safety Hardware Safety Specification

The Sentry II™ Water-Cable Barrier provides positive work zone protection on high speed roads (100 km). It is a MASH approved (TL-3) used in conjunction with the Traffix SLED™ (US) End Treatment.



**TL-3 MASH  
Tested & Passed**

**Specifications\*:**  
Length: 1900mm (pin to pin)  
Width: 570mm  
Height: 1200mm

\* Source: FHWA B-279 Approval Letter

## TRAFFIX WATER-CABLE BARRIER



The Traffix Water-Cable Barrier™ provides positive work zone protection on low speed roads (50km & 70km). It is a MASH approved (TL-1 & TL-2) used in conjunction with the Traffix SLED Mini™ End Treatment.



**TL-1 & TL-2 MASH  
Tested & Passed**

**Specifications:**  
Weight: 45kg (empty)  
Weight: 485kg (full)

## PEDESTRIAN SAFETY FENCES

### EZI-Set Barricade



L = 2400mm x H = 1200mm - 15kg

### D-Fence Safety Fences



Shown with Barricade Tape



Hinged Model

L = 2000mm x H = 1200mm

## PORTA BARRIERS

### Standard



L = 1950mm x H = 1000mm - 35kg

### Slim Profile



TB 16

Note:  
Not crash rated

L = 1980mm x H = 1000mm - 25kg

# ROAD SAFETY PRODUCTS

## 900MM TRAFFIC CONE RANGE

### TTMC Compliant Cones

Our Road Cones feature durable Class 400 3M Cone Collars for exceptional retro-reflectivity.

#### Features:

- Top hand grip
- Recessed Cone Collar
- Impact Tested
- Internal ribs to help with release



Enviro Cone®



Slimline™ Motorway



Wide Profile

## CONE BRANDING

### Fusion - Anti-theft



Combination of Anti-theft & thermal printing.

All in one brand that leaves a permanent mark.

### Screen-printing



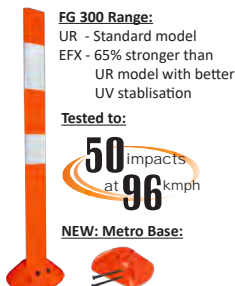
Brand your cones with a screen-print logo.

Minimum order quantity applies.

The maximum size of a logo or name is 5000mm<sup>2</sup> - i.e. 50 x 100mm. For full information, please refer to Waka Kotahi Website

## FG 300 DELINEATOR RANGE

Our range of FG 300 Delineators increase visibility and improve safety in and around work zones. Use the FG 300 Curb System for further delineation & channelization.



#### FG 300 Range:

- UR - Standard model
- EFX - 65% stronger than UR model with better UV stabilisation

#### Tested to:

50 impacts at 96 kmph

#### NEW: Metro Base:

#### FG 300 Curb System

- Interlocked for solid delineation
- Entire System NCHRP-350 Approved

#### Dimensions:

- (Base Only)
- L: 965mm
- W: 200mm
- H: 50mm



## CONES & CONE BARS

### Portacones

#### TO10

#### Sizes Available:

- 900mm
- 750mm
- 500mm



### Fully Compliant

#### TO30

Extends up to 2m long



### Heavy Duty PVC Yellow Cone cover

#### TO15

Add your own design

(Excludes Cone)



### No Stopping Cone Sleeves

#### TO40

Sold in packs of 10

(Excludes Cone)



## SAFETY ACCESSORIES

### Reflective Cone Collars

#### TC17



- Replacement Cone Collars
- Class 400 Retro-reflective
- Pre-cut to suit Slim or Wide

### Road Marking Cone

#### TC11



- 450mm high
- PVC
- Class 400 Collar
- Dimpled Feet

### LED Road Safety Flares

#### TO80



- Highly Visible
- Rechargeable
- Set of 6
- Comes with Charger Case

### Rotating Beacons

#### TL8



Wide range of beacons available

Call our Team to discuss

### Emergency Safety Triangle

#### TL84



- Rubber feet
- Tool-free
- Single or 3 Pack

### Fluoro Mesh

#### TM18



- 6kg
- 8.5kg
- 15kg
- Premium Hi Viz

### Fluoro Warning Flag

#### TP09



Used to slow vehicles down

300mm x 450mm

### Ultra Wands

#### Two models:

- Red Only
- Red / Green

Requires:  
- 2x C Batteries

### Long Wand

Red flash  
Steady

Requires:  
- 2x D Batteries

All Wands & Lamps exclude Batteries



# TRAFFIC CALMING & FACILITIES

## CAR PARKS

### Wheel stops

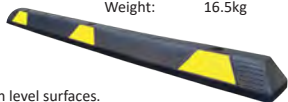
MH28 101

Wheel Stops are an essential part of any car park. Best used in medium to low volume shopping centres and car parks etc, to inhibit encroachment into an opposing parking space, high curb or building etc.



Length: 1650mm  
Width: 130mm  
Height: 100mm

Weight: 16.5kg



Rubber Construction.  
Recommended for use on level surfaces.

### Speed Humps

MH27

Our Rubber Speed Humps are an ideal traffic calming measure. Best used in medium to low volume applications to further reduce the speed of vehicles. Modular 500mm mid sections for varied road widths and 250mm end caps.



Rated to  
Maximum  
20 ton truck @  
40km/h



Length: 250mm  
Width: 350mm  
Height: 50mm

Length: 500mm  
Width: 350mm  
Height: 50mm

## RUBBER TRAFFIC CALMING

### Features:

- Modular to allow you to create whatever size required for each project.
- Can be removed / relocated if required i.e. reusable
- Less time to install than standard concrete, so can provide cost savings overall
- Manufactured from recycled rubber

### Speed Cushions

### Semi Barrier Kerb

Height: 75mm with a 2 metre travel distance



Also available: Roundabouts, Pedestrian crossings & Traffic island bull nose

## ISLAND CURB DELINEATORS

### MO25



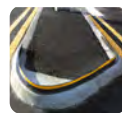
The Island Curb Delineator is designed to improve the visibility of raised islands, median noses, pedestrian refuges and roundabouts.

### Features:

- 100% polyurethane
- 25mm reflective strip
- Notched foot so unit can match curvature

### Specifications:

Length: 1200mm  
Height: 50mm  
Depth: 30mm  
Colour: Yellow or White



Note: Special Order

## DURAVISION MIRRORS

Convex mirrors should be strategically positioned where the drivers field of vision is obstructed, such as blind corners, concealed entry and exits, parking buildings and intersections.



Deluxe Traffic  
Acrylic



Heavy Duty  
Acrylic



Heavy Duty  
Stainless Steel

Available as impact resistant acrylic or unbreakable stainless steel mirrors.

## E-BIKE CHARGING STATIONS

The eBike Charging Station by Saris, is a universal Electric Bike battery charging system and a secure, high-density bike storage system - all in one.



Each "charging dock" has a secure, user-accessible locker that contains a 240V outlet for power access.

Using their personal charger, users can safely store the charger inside the locker during charging.

The chargers are ideal for end of trip facilities, workplaces, businesses, apartment complexes, hotels, shopping centres and cafes that provide facilities for cyclists. Can be installed indoors or outdoors with overhead protection

# PEDESTRIAN & CYCLING INFRASTRUCTURE

## BIKE REPAIR STANDS & PUMPS

Make cycling easier and more enjoyable by creating bicycle-friendly spaces with our range of Bike Repair Stands & Bike Pumps. The entire suite can be tailored to suit your brand.

Deluxe Bike Repair Stands with High Security Bike Pumps & Wheel Chocks mounted on, or next to the Stand.



### Applications:

- Council parks
- Cycle ways & routes
- Bus and train stations
- Universities
- Hospitals
- Corporate offices
- Bike trails
- Precincts
- Airports

## WAVE DELINEATORS

Can a bike lane feel SAFE and FUN? The Wave Delineator by Saris, is a temporary lane delineator designed to make pop-up bike lanes fun and inspiring.

Also used when communities want to create a demonstration protected lane or direct bike traffic during day or week-long events.

### Features:

- Great for Events
- Aesthetic
- Easy to deploy
- Transportable
- Lightweight and collapsible
- Robust & Safe



Please contact us for more information

## FG 300 TRAFFIC DELINEATORS

With more and more people getting on their bikes, whether it's to commute to work, to benefit from the exercise or just to be out with the family, it is vitally important to ensure that cyclists in those shared lanes are protected.

Our FG-300 Flexible Posts are an invaluable tool in the cycle suite of products. Pexco's polyurethane posts are both tough for long life and forgiving for cyclists. They are soft and pliable, yet have proven durability and long life resulting in reduced maintenance.

### Features:

- Improves Cyclist and Pedestrian Safety
- Provides Clear Delineation
- Narrow Profile
- Clover Leaf Design for Built-in Rebound
- White or Yellow to match line marking
- Replace damaged posts very quickly

Please contact our team for more Information.



## FG 300 CURB SYSTEM

The FG 300 Curb System is a modular, lane separation system that provides efficient and cost effective channelization of traffic.

### Entire System NCHRP-350 Approved



### Features:

- Low maintenance with super-tough polyurethane posts
- Curb sections impact tested at 112kph
- Moulded with solid colour
- Internal radial rib structure supports 10,000 lb (pounds) of loading
- Length: 965mm. Height: 50mm

## RILEY® KERB - CYCLE DELINEATION

Riley® Kerb, in-conjunction with FG 300 Delineators offers protection to cyclists in all types of situations.

The Riley® Kerb acts as a rumble device to alert drivers they are crossing into the cycle lane.

### Specifications:

- Only 2.5kg per section
- Length: 2000mm
- Width: 159mm
- Height: 25mm



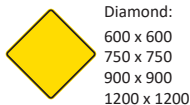
Riley Kerb & FG 300 Delineators



# WARNING SIGNS

## SIGN SIZE GUIDE

### Standard Sign Sizes



### Standard Supplementary Sizes

Type A:  
600 x 250  
750 x 300  
900 x 350  
1200 x 400



Type B:  
600 x 400  
750 x 500  
900 x 600  
1200 x 800



1200 x 1200

## WA WARNING - ADVANCE OF TCD



WA1

PW-1



WA2

PW-2



WA3

-

Variations:  
10km 60km  
20km 70km  
30km 80km  
40km 90km  
50km



WA4

PW-3

TCD Code  
MOTSAM

## WR WARNING - ROAD SURFACE

Left hand version shown  
Right hand version available



WR1

PW-40



WR2L

PW-42

Left



WR3

PW-41



WR31

PW-41.1



WR32

PW-41.2



WR33

PW-41.3



WR4

-



WR5

750 x 750

## WM WARNING - HORIZONTAL ALIGNMENT



WM2L

Left

PW-16



WM2R

Right

PW-16



WM1L

Left

PW-17



WM1R

Right

PW-17



WM3L

Left

PW-18



WM3R

Right

PW-18



WM4L

Left

PW-19



WM4R

Right

PW-19



WM5L

Left

PW-20



WM5R

Right

PW-20



WM6L

Left

PW-21



WM6R

Right

PW-21



WM7L

Left

PW-22



WM7R

Right

PW-22



WM8L

Left

PW-23



WM8R

Right

PW-23



WM9L

1500 x 3000  
Left  
WM9R Right  
also available



WM10

1200 x 1200

## SIGN SIZE GUIDE

### Standard Sign Sizes



Diamond:  
600 x 600  
750 x 750  
900 x 900  
1200 x 1200



Type A:  
600 x 250  
750 x 300  
900 x 350  
1200 x 400



Type B:  
600 x 400  
750 x 500  
900 x 600  
1200 x 800



Type C:  
600 x 600  
750 x 750  
900 x 900

### WN WARNING - VERTICAL ALIGNMENT

WN1



PW-38

WN2



PW-39

WN4D



PW-27

WN3D



or 10%,  
12%

-

WN4U



PW-27.1

WN3U



or  
12%

-

WN51



TRUCKS  
USE LOW  
GEAR

WN52



USE  
LOW  
GEAR

PW-28

### WL WARNING - LANE USE / MANAGEMENT

WL1



PW-5

WL2



PW-6

WL3L



Left

-

WL3R



Right

-

### WW WARNING - ROAD WIDTH OR HEIGHT

WW1L



Left

PW-43

WW1R



Right

PW-43

WW1B



Both

PW-43.1

-



PW-43.3

-



PW-43.4

WW2



PW-44

WW21



750 x 600

PW-44.1

WW31



PW-45

WW32



PW-46

WW41



PW-47

WW42



PW-52

### WK WARNING - VEHICLES CROSSING

WK21



PW-51

WK22



-

WK11



PW-50

WK12



PW-49

WK13



-

TCD Code  
MOTSAM

## SIGN SIZE GUIDE

### Standard Sign Sizes



Diamond:  
600 x 600  
750 x 750  
900 x 900  
1200 x 1200



Type A:  
600 x 250  
750 x 300  
900 x 350  
1200 x 400



Type B:  
600 x 400  
750 x 500  
900 x 600  
1200 x 800



Type C:  
600 x 600  
750 x 750  
900 x 900

## WJ WARNING - JUNCTION

Left hand version shown  
Right hand version available

WJ1



PW-8

WJ2A



Controlled  
PW-9

WJ2L



Left  
PW-9.1

WJ3U



Uncontrolled  
PW-10.1

WJ3L



Left  
PW-10

WJ4L



Left  
PW-11.1

WJ5L



Left  
PW-11

WJ6U



PW-12.1

WJ6L



Left  
PW-12

WJ7L



Left  
PW-4

WJ7B



Both  
-

TCD Code  
MOTSAM

## WX WARNING - RAILWAY LEVEL CROSSING

WXR1



Right  
Controlled cross road

PW-13

WXL1



Left  
Controlled side road

WXR2



Right  
Controlled side road

PW-13

WXL2



Left  
Controlled side road

WXR3



Right  
Uncontrolled side road

PW-13.1

WXL3



Left  
Uncontrolled side road

PW-13.1

WXR4



Right  
Controlled T Junction

PW-13.2

WXL4



Left  
Controlled T Junction

PW-13.2

WXR5



Right  
Uncontrolled T Junction

PW-13.3

WXL5



Left  
Uncontrolled T Junction

PW-13.3

WX1R



Right

PW-57

WX1L



Left

WX11



-

WX3



PW-58

WX8



PW-59

WX41



PW-60

WX42



PW-60.1

WX40



PW-60.2

WX2L



Left

PW-63

WX2R



Right

WX5



-

WX6



1000 x 200  
1500 x 300

PW-14

WX61



PW-14

WX62



Crossbuck for  
private level  
crossing

-

WX63



Only to be used  
where private roads  
cross a railway line

WX7



Variations:  
3 or 4 Tracks

PW-15

## SIGN SIZE GUIDE

### Standard Sign Sizes



Diamond:  
600 x 600  
750 x 750  
900 x 900  
1200 x 1200

**GATE**

Type A:  
600 x 250  
750 x 300  
900 x 350  
1200 x 400

**CATTLE  
STOP**

Type B:  
600 x 400  
750 x 500  
900 x 600

**SCHOOL  
BUS  
ROUTE**

Type C:  
750 x 750  
900 x 900

**CONCEALED**

Type D:  
800 x 250  
1000 x 300  
1200 x 350  
1600 x 500

## WG WARNING - GENERAL SUPPLEMENTARY

WG11

**PREPARE  
TO STOP**

PW-64

WG12

**HIDDEN  
QUEUE**

PW-64.1

WG13

**QUEUED  
VEHICLES**

PW-64.2

WG2

**CONCEALED**

PW-26

WG3

**50 m**

Variations:  
100m, 150m etc

PW-43.2

WG4

**NEXT 2 km**

950 x 300  
Variations:  
3km, 4km etc

PW-24

WG5

**15**

Variations:  
20km, 25km etc

PW-25

WG6

**TURNING**

-

## WF WARNING - FAUNA (ANIMALS)

WF11



PW-37

WF12



PW-37.1

WF13



-

WF21



PW-36

WF22



-

WF31



-

WF35



**SLOW FOR  
KERERU**  
TCD Rule:  
W18-3.10

WF37



**SLOW FOR  
BITTORN**  
TCD Rule:  
W18-3.12

## WZ WARNING - MISCELLANEOUS

WZ1



PW-53

WZ11



PW-54

WZ12



PW-55

WZ13



PW-56

WZ2



PW-48

WL4



**KEEP  
LEFT**  
TCD Rule:  
W14-11

WL5



**DRIVE  
ON LEFT**  
TCD Rule:  
W14-11.1

## WU WARNING - USER NON MOTORISED

WU1



PW-29

WU1M



**MARAE**  
Diamond & Supp  
Combination

WU3



PW-30

WU11



-

WU2



PW-31

WU23



**KÖHANGA  
REO**

WU4



**Belisha  
Beacon  
Disc**  
PW-65

WU5



PW-34

WU51



PW-34.1

WU52



PW-34.2

WU6



PW-35

WU61



-

WU62



**40  
WHEN  
CYCLISTS  
PRESENT**

WU7



PW-36



## WY - WARNING - DELINEATION AND HAZARD MARKERS

Left hand version shown  
Right hand version available

WYS3



2 Bar Chevron:  
Urban: 1650 x 600  
Rural: 2530 x 900

Left

PW-66

WYS4



4 Bar Chevron:  
Urban: 2350 x 600  
Rural: 3700 x 900

PW-66

WYC1



1 Bar Chevron:  
Urban: 450 x 600  
Rural: 750 x 900

PW-67

WYR2



Roundabout:  
1200 x 450

PW-69

WYT3



T Junction:  
3000 x 600  
(minimum size)

W20-1.4

PW-68

WYT1



Sightboard:  
T Junction  
2400 x 600

Figure 5.12

RC-3

WYT2



Sightboard:  
T Junction  
4800 x 600

Figure 5.12

2x 2400 x 600 panels

RC-5

WYR1



Sightboard:  
Roundabout  
1600 x 400

RC-7

Figure 5.13

WYC3



1 Bar Chevron:  
Urban: 450 x 600

RC-1

Note: Sightboards can also be made black on a yellow reflective background for roundabouts & T-junctions.

TCD Code  
MOTSAM

WYBL



Bridge End Markers

Left

RM-6

WYBR



Right

RM-6

WYHM

Obstruction Marker



150 x 375  
RM-7

SLED End Treatment Panels



700 x 700

Figure 5.6  
Crash Cushion



600 x 750

## WV WARNING - VEHICLE MOUNTED

## KURA SCHOOL SIGNS

WV11



1200 x 400

WV13



570 x 500

WV12



825 x 300

WV14



570 x 500

WU22



From  
600 x 400

PW-32

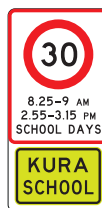
RS6V



750 x 500

Kura School Supp  
(Electronic Sign  
sold separately)

RS6



860 x 1740

Kura School Static  
Variable Sign

RS62



From  
750 x 1300

Kura School  
Speed Limit Sign

# HEAVY HAULAGE

## TRANSPORT - WV WARNING - VEHICLE MOUNTED

Standard Sign Sizes

**WIDE LOAD  
AHEAD**

1100 x 520

**DANGER  
SLOW DOWN**

1100 x 600

TCD Code  
**MOTSAM**

WV21

**DANGER  
SLOW DOWN**

HT04 02

WV22

**WIDE LOAD  
FOLLOWS**

HT04 05

WV23

**WIDE LOAD  
AHEAD**

HT04 06

WV24

**HOUSE  
FOLLOWS**

HT04 03

WV25

**HOUSE  
AHEAD**

HT04 04

WV26

**LONG LOAD  
FOLLOWS**

HT04 07

WV27

**LONG LOAD  
AHEAD**

HT04 08

WV28

**PILOT  
VEHICLE**

NZTA

HT04 11

WV28

**PILOT  
VEHICLE**

HHA

WV29

**OVERSIZE**

1100 x 300  
Other options available

HT04 01

**UNDER  
TOW**

HT04 14

Compliments  
& Complaints Sign

**0800  
LOGTRUCK  
MC67**

600 x 381

Transport Flag



450 x 300  
Also available with handle

HT04 16

Conspicuity Tape  
50mm Red / 50mm White



HT-9

Slow Moving  
Vehicle Safety  
Triangle



HT04 17

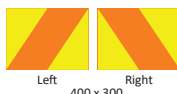
Rear Chevrons  
Custom Sizes



HT-8

Hazard Panels

Standard or vertical options available



Left

Right

400 x 300

HT04 15



200 x 600

Rotating Beacons  
Magnetic or permanent



LED  
Flashing/  
strobe

# COMMERCIAL SIGNAGE

## HEALTH & SAFETY



Assembly Point  
Sign



Danger Sign  
Accompanied



Danger Sign  
Custom Text



Hazchem 2WE  
Sign



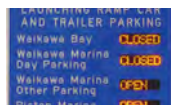
Hazchem 2WE / No  
Smoking Sign



Multiple Hazard  
Visitor Sign

## CUSTOM DESIGN & MANUFACTURE

### Car park & Directional



### Prism Signage



### Wayfinding Signs



Signs for car parks and facilities, including wayfinding, directional, space availability, tariff, T&Cs and health and safety boards.

Prism Signs feature rotating panels that have three sides. When activated, the panels rotate, changing the sign message.

Directional Signage for shared paths, bike lanes, cycling routes including the New Zealand Cycle Trail, to encourage cycling and walking.

# SCHOOL SAFETY RANGE

## ENHANCED SAFETY FOR SCHOOLS

### Single Arm School Patrol System

Our Single Arm School Patrol Crossing System is the industry benchmark for making School Crossings safer.

It is a proven performer in ensuring our children have a safe method to cross the road.



Strap also available

### Stayput School Patrol System

Stayput School Patrol systems can be used at both School Zebra Pedestrian Crossings and Kea Crossings/ School Crossing Points.

When placing an order – please specify the crossing type. For Kea Crossings, we won't apply the black bands to the School Patrol Arm – it will be plain white. In addition to the Stayput System, we can supply poles, sockets and brackets etc.

Please visit [www.rtl.co.nz](http://www.rtl.co.nz) for our brochure and installation manual



The Stayput School Patrol System is the only system where you do not have to carry the equipment out each day and set it up. The patrol arm / disc is securely locked away into the top cover when not required.

### Kea Crossing Systems

Kea Crossing kits are used at School Crossing Points, during school times, to provide children with a safe place to cross the road where there is no marked pedestrian crossing.



### Pedestrian Crossing Pole

PC06

76mm Dia



### Belisha Discs

Different configurations available including top or side mount.



### LED Belisha Disc

Our LED Pedestrian Belisha Discs are internally illuminated and provide a safe, evenly lit and highly visible sign surface.



### Fluro Warning Flag

Used to slow vehicles down.

TP09

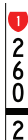
300mm x 450mm



# GENERAL INFORMATION SIGNS

## STATE HIGHWAY DISTANCE MARKERS

### LR-KMP



RM-30

Kilometre Marker Post

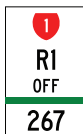
### LR-RS



RM-10

Reference Station Sign

### LR-RS-R



RM-60

Ramp Reference Station Sign

### LR-ERP



RM-40

Established Route Position Sign

### LR-ID



RM-50

Bridge Position Sign

## ADVISORY - OTHER

FRASER PARK

IG-12

BOUNDARY

ALPHA DISTRICT OMEGA DISTRICT

IG-13

WANGANUI RIVER

IG-14

ELEVATION 500 m

IG-15

REMUTAKA SUMMIT 555 m

IG-16

RP REGULATORY - PRIORITY

RP22



## RG-19.1

RP61



RG-30

\*Items sold individually

RPX3\*



RG-31

RS REGULATORY - SPEED	REGULATORY - OTHER
-----------------------	--------------------

RS REGULATORY - SPEED	REGULATORY - OTHER
-----------------------	--------------------

RP3

Refer to Temporary Warning



\* Items sold individually

1

RG-28

# REGULATORY SIGNS

## RD REGULATORY - DIRECTION AND PLACEMENT

Left hand version shown  
Right hand version available

RD1L RD1R RD1U RD2 RD3 RD6L RD6L RD5L



Left

RG-8



Right

RG-7



No U Turn

RG-15



No Entry

RG-9



Road Closed

RG-16



Left

RG-17



Twin Disc - Left

RG-17.1



Left

RG-12

RD5



Turns

RG-11

RD6V



No Turns

RG-10

RD7



One Way

RG-14

RD4



Wrong Way

RG-18

RD41



Wrong Way

-

RD71



Except Buses

-

RD71



Except Cycles

-

RD72



Except Authorised Vehicles

-

## RJ REGULATORY - ROAD USER RESTRICTIONS

RJ11 RJ12 RJ13 RJ72 RJ21 RJ22 RJ3 RJ4



RG-24



RG-23



-



-



RG-21



RG-25



RG-26B

RJ51



RH-2

RJH1

1 Panel



RH-4

RJH2

2 Panel



RH-4

RJH3

3 Panel



RH-4

RJ53



RH-6

RG3



RH-5

RJC



RH-1

RJI



RH-1

RJI1



-

Two options available

# REGULATORY SIGNS

## RL REGULATORY - LANE USE

Left hand version shown  
Right hand version available

RL1L



Left

RG-29

RL1S



Straight

RL41



RG-22

RL51



-

RL52



-

RL53



-

RLB1



RLB2: Bus Only

RG-35

RLB3



-

RLB4



-

RLU1



RLU2: Cycle Only

RG-26

RLU3



RG-26C

RJ4



RG-26B

RLU4



RG-26D

RLS1



-

RLS2



-

RLS1



T2 or T3

RLS3



T2 or T3

RL61



-

RL62



-

RLT1



-

RLT2



-

RLT5



-

RL63



-

RL64a



-

RL64b



-

## RG REGULATORY - GENERAL SUPPLEMENTARY

RG1



-

RG21



RP-3.2

RG22



RP-3.3  
& RP-1.3

RG51



RP-3.4

RG3



RH-5

RJ84



R5-13 No cruising zone  
R5-13.1 No cruising zone begins  
R5-13.2 No cruising zone ends



# ADVISORY SIGNS

## AJ ADVISORY - JUNCTION

AJ11



IG-1

AJ12



IG-2

-



TCD Rule: A40-6

-

## AH ADVISORY - HEAVY VEHICLES

AH1L



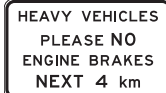
IG-5

AH1A



IG-4

AH21



IG-17

## AP ADVISORY - PASSING/ OVERTAKING

Other distances available. Left hand version shown  
Right hand version & double arrow available

AP2



IG-6

AP11



IG-6.1

AP22



IG-7

AP33



IG-8

AP32



IG-9

AP34



IG-10

## AE ADVISORY - EFFLUENT

## AX - RAILWAY LEVEL CROSSING

AE1L



IG-18

AE2L



IG-18

AE31



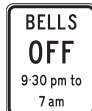
IG-19

AE32



IG-19

AX11



IG-3

AX12



-

## AU ADVISORY - USERS, NON MOTORISED

AU11



IG-20

AU12



IG-21

AU2L



IG-22

AU13



-

AU41



-

AU42



-

AU51



-

Cycle Trail



## ADVISORY - OTHER

## AT - TEMPORARY



IG-23



IG-23



IG-24

AB41

100 m

AB42

AHEAD

AB43

ON-RAMP

AT1



IG-11

TCD Code  
**MOTSAM**

Other distances available. Left hand version shown  
Right hand version & double arrow available

# PARKING SIGNS

## PARKING - CLASS OR TIME RESTRICTED

Left hand version shown  
Right hand version & double arrow available

PP21



RP-7

PP22



RP-7.1

PPS2

Goods Vehicles  
Only

RP-7.2

PPS2

5 min MAXIMUM  
Goods Vehicle Only

RP-7.2 (Alt)

PP2



RP-8

PP21



RP-8.1

PP2



RP-9

PP21



RP-9.1

PP2



-

PP21



-

PP22



PP3



-

PP31



RP-10.1

PP31



-

PP2



-

PP21



-

PP3



-

PP31



-

PP2



RP-10

PP21



RP-10.1

PP3



-

PP31



-

PP13



RP-12

PPS3



-

Except vehicles  
displaying  
parking permit

-

Pay and Display  
Parking  
Pay at Machine

-

RP-11

RP-11

PP21



RP-4

PP22



RP-4.1

PP22



RP-4.2

PPS3

Includes  
6pm-9pm  
Friday

RP-4.3

PZ13



Zone Parking

AB5



Shared Zone

-



EV Parking

# PARKING SIGNS

## PARKING - NO STOPPING

Left hand version shown  
Right hand version & double arrow available



RP-1



PN11

RP-1.1



PN13



RP-2



PCH2



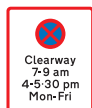
RP-3

PCH3



RP-3.1

PCV3



RP-3.5

RG21

BEGINS

RP-3.2

RG22

ENDS

RP-3.3

PNS1

FOR 1 km

Variations:  
1km, 2km & 3km

RP-1.2

PNS3

Includes  
6pm-9pm  
Friday

RP-2.1

## PARKING - NO PARKING

Left hand version shown  
Right hand version & double arrow available



-

P21



RP-5

P22



RP-5.1

P22



P23



P21



-

P22



-

P22



-

P11



RP-6

P12



RP-6.1

P12



P21



P22



-

P22



-

P21



-

P22



P22



-

P13



-

P14



P14



-

TCD Code  
MOTSAM

# MOTORIST SERVICE & TOURIST SIGNS

## ADJACENT TO ROAD

## CHEVRON

MA1R

MA2L

MA3R

MA4L



MS-1.1



MS-1.2



MS-1.3



MS-1.4

MC1R



MS-3.1

MC2L



MS-3.2

MC3R



MS-3.3

MC4L



MS-3.4

## ON SIDE ROAD

## ARROW

MB1L

MB2R

MB3L

MB4R



MS-2.1



MS-2.2



MS-2.3



MS-2.4

ME1R



MS-4.1

ME2L



MS-4.2

ME3R



MS-4.3

ME4L



MS-4.4

## Symbols



S1 Rest Area



S2 Accommodation



S3 Camping ground



S4 Caravan park



S4a Campervan



S5 Camping ground & Caravan park



S6 Motor fuel



S7 Motor fuel & Repairs



S8 Refreshments



S9 Meals



S10 Information



S11 24 Hr Emergency Medical Service



S12 Public telephone



S13 Public toilets



S14 Waste disposal point



S15 Public parking area



S16 Truck parking area



S17 Truck trailer parking area



S18 Airfield



S19 Boat ramp



S20 Wheelchair access



S22 Electric Vehicle charging station

## TOURIST SIGNS

A tourist facility is defined as a geographic feature, commercial enterprise or scenic route, which is mainly of interest to tourists. It may be located adjacent to the road or on a side road. There are five types of sign in the tourist sign series and these are:

- Signs for Major Tourist Attractions
- Tourist Drive Information Signs

- Tourist Drive Route markers
- Advance Signs

- Position Signs



TR-1  
Tourist Drive



TR-2  
Route Marker Signs



TR-3

### Examples of Typical Signs:

#### Advance Signs



TR-4  
Information Sign



TR-6  
Confirmation Sign



TR-5  
Intersection Sign

#### Position Signs



TS-3



TS-4



i-SITE Visitor Sign

#### Adjacent to the road & on side road



TS-1



TS-1



TS-2

#### Advance & Motorist Services



TS-5

Please specify required text. Sizes vary depending on destination names.

# MOTORWAYS & HIGHWAYS

VIEW MORE ONLINE AT [WWW.RTL.CO.NZ](http://WWW.RTL.CO.NZ)

Images are indicative only.  
Not to scale. Refer to NZTA.

RS56



Motorway Begins

RD41



MI-38

Wrong Way/  
Go Back

-



MI-34.1

Motorway Ends

-



Motorway - Combined  
On-Ramp

-



Motorway Exit -  
With Arrow

AMM



MI-33

Motorway  
Sign

AMM1



MI-30

Motorway  
Ends (m)

AMM2



MI-31

Motorway  
Ends (m)

AMM4



MI-34

Motorway Ends  
Off-ramp

-



Motorway Exit - With  
Arrow & Number(s)

## GUIDE SIGNS

VISIT [WWW.RTL.CO.NZ](http://WWW.RTL.CO.NZ)

Images are indicative only.  
Not to scale. Refer to NZTA.

RTL has a highly experienced contracts department & in-house design team for your next infrastructure project. Our team can project manage and design Waka Kotahi compliant signs for the road network, motorways, and state highways, including the examples shown below. Cycle way, wayfinding & plinth signs also available.

GD11



PN-1

Place Name /  
Destination Signs  
(Green)

GD12



PN-1

Place Name /  
Destination  
Signs (Blue)

RS55.1



Safer Speed Area  
Threshold Signs  
(Different sizes and speed  
limits are available)

RS51



Threshold Signs  
Urban (Green)

RS5.2.1



New smaller  
Rural Threshold  
(Blue also available)

RS52



PN-2  
Threshold Signs  
Rural (Green)  
(Blue also available)



ADS Advance Direction Map  
Sign (Green)



ADS Advance Direction Stack  
Sign (Blue)



ID3 Intersection Direction Sign (Green)



ID3 Intersection Direction Sign (Blue)

# SIGN SUPPORT & MARKING

## LANE DELINEATORS

### FG 300 Delineator

Both the UR & EFX models are made from polyurethane, the toughest polymer on the market. Both models feature easy pin release.

#### Range:

UR - Standard Model  
EFX - 65% Stronger than UR Model  
Better UV Stabilisation

#### Clover Leaf Design



**Temporary**  
Compliant  
TTM Delineator

**Tested to:**

50 impacts  
at 96 kmph

**Permanent**

### Steel-Flex® Surface Mount

#### MP04

Very fast and easy to install.

Available plain or delineated.

Sizes: 1000mm or 800mm

## SIGN SUPPORTS

### Stay Right Self Righting Post

#### PS03

825mm  
1200mm

Surface Mount  
or Inground



### Aluminium Poles

#### SF-P

60mm to 114mm  
Variety of sizes  
available

End caps & ground  
sockets to suit



### Steel Poles

#### PS10

60mm & 76mm  
Variety of sizes  
available

End caps & ground  
sockets to suit



### Wooden Posts

#### PS08

3.6m long  
Painted white

Note: Special Order  
for North Island  
Customers. Please  
see website for  
more info.



## MARKER POSTS & DELINEATORS

### Slim-Pro Edge Marker Posts

#### MP01

PVC  
1.4m Long

Culvert Markers (Green)  
& Hydrant Markers (Blue)  
also available



### Slim-Pro Rammer

#### MP05 02

Our Post Rammer is  
designed install our  
RTL Slim-Pro Edge  
Marker Post and our  
Culvert / Hydrant Posts



### Steel-Flex® Range

#### MP04

Steel Flex is the most  
durable post available.  
Guaranteed for up to  
10 years. Proven to  
rebound to vertical  
after 1500 impacts



### Barrier Delineators

#### MD03

Options:  
Double or  
single sided  
Yellow / white



## MARKING SYSTEMS

### 3M Stamark Tape

#### MK30

Temporary or Permanent. Various  
roll sizes & different colours

Pre-cut Fire Hydrant  
Markers also available



### Aerosol Markers

#### MK21

Permanent  
& temporary  
options available



### Line Master Machine

#### MK21 02T

Suits 500g Cans.  
Includes removable  
handle for spot  
marking



### Professional Measuring Wheel

#### MO30

Deluxe model  
also available





# SIGNFIX FIXING SYSTEMS

## SIGN SUPPORTS & STRAPPING SYSTEMS

### Signfix Poles and Sockets



Safety Ground Socket  
(with wedge)      Ground Socket  
(with grub screw)

Wide range of frangible aluminium poles and ground sockets available - 60mm to 114mm diameter

### Strapping Systems



Strapping & Buckles are available in 13, 16 and 19mm widths

### Universal Channel Clamp (UCC)



### Buckle Straps



Precut 19mm Strapping c/w buckle  
Available in 660mm or 1120mm lengths

## BRACKETS

### Anti-Rotational Clip



ARC

Different sizes available

### Back to Back Clip



BBC

Different sizes available

### RHS Clip



LRH

Different sizes available

### Fixing Brackets



AUO    AUO Back to Back

## STREET NAME BLADE BRACKETS

### Slide on Offset Bracket

SFXSNBKT02



### Mid Mount Bracket

OSBMNZ-01



### Timber Post Slide on Offset Bracket

TD1010 TDBKT



### Mini Tee Offset Bracket

OSBMM



## BRACKET CONFIGURATIONS

Street name brackets can be used in a variety of configurations

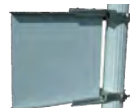
### End to end mount



### Mid mount



### End mount



### Examples of brackets and strapping



### Combination



### Mid & end mount



## SIGNFIX BOLLARDS

The Signfix Bollards are highly versatile, look great and are easy to install.



### Applications:

- Pedestrian areas
- Shared Zones
- Parks & Reserves
- Car parks
- Shopping Centres
- Business Parks

Available in 102mm or 114mm dia

# OUTDOOR RECREATIONAL SYMBOLS (ORS)

Graphic symbols are becoming internationally established as a means of overcoming language barriers. Outdoor Recreational Symbols (ORS) indicate information required by the public in relation to outdoor recreation (i.e., parks, recreation areas, reserves, forests and waterways). All signs comply with NZS8603 Prohibited Activities: Signs overprinted with prohibition bar (Please specify when ordering) - They are categorised into five groups:

## Facilities



## Land Based Activities



## Management



## Services



# SIGN CLEANING

To keep signs in the best possible condition and maximize the sign visibility/ performance, we recommend regular cleaning. Use this as a general cleaning guide - for more information, refer to NZTA P24 Specification for Permanent Traffic Signs & Avery Dennison Sheeting Storage, Handling and Cleaning. When cleaning signs, always test the cleaner on a small section or sample of the material before use. Do not use high pressure sprays and avoid direct sprays at sheeting edges.

Use warm water in the first instance, and if required, a mild soap or detergent, and a soft cloth or sponge. The cleaning solution should have a pH range of 4 to 10 (within mild acid or mild alkaline limits) and should be non-abrasive and free of strong solvents.

Spray or wipe (with a soft cloth or sponge) the cleaning solution over the entire surface of the film to be cleaned (avoid abrading the film surface with unnecessary scrubbing); thoroughly agitate and mix the cleaning solution into the dirt on the film's surface; rinse the entire surface with clean water and let air dry or dab dry being careful not to lift film edges.

CLEANING AGENT	CAUTIONS	USES
<b>Water</b> (+ a few drops of detergent if required)	This is the first cleaner to be tried. It is best when cleaning typical road film and pollen from sign face. Use a soft cloth or sponge.	Can be used on signs made with overlay vinyls, screen printed legends or digital prints.
<b>Isopropyl Alcohol IPA+ 50% water</b>	A good cleaner that may remove some graffiti and it is an ideal cleaner for surface grease. Do not use high pressure or abrasives.	Can be used on signs made with overlay vinyls, screen printed legends or digital prints.
<b>Kerosene or mineral spirits</b>	This is used when others in line don't work. It is better at removing many paints but care should be taken not to scrub too hard as this may damage the surface.	Care should be taken not to use this type of cleaning agent if the sign has a screen printed legend as it may also remove the sign legend. It can be used if the sign has a graffiti protective overlay.
<b>Citrus, Lacquer Thinners &amp; Acetone</b>	Use of these agents are not recommended.	Solvent based cleaning agents will remove screen printed legends.

# SIGN MOUNTING

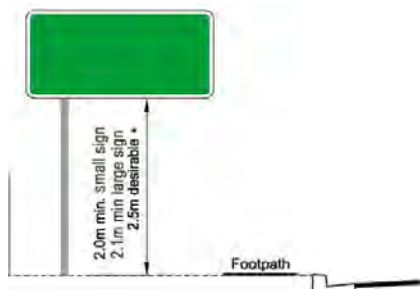
For up-to-date information, refer to Traffic Control Devices Manual Part 1: General Requirements for Traffic Signs. This can be found on the Waka Kotahi website.

## MOUNTING HEIGHTS

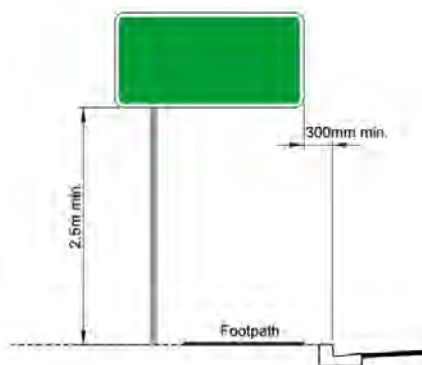
**Table 7.4** Minimum desirable mounting heights for traffic signs

MOUNTING SITUATION		MINIMUM DESIRABLE MOUNTING HEIGHT (M)	
<b>General minimum</b> This is the height the sign must be mounted as a basic minimum requirement. In some situations, heights may be lower, such as chevron boards on roundabouts, curves, etc		1.5	Mounting height must be measured from the underside of the sign, or the lowest sign in an assembly of signs, to the surface of the adjacent road, trafficable shoulder or top of kerb, whichever is the critical dimension
<b>Rural areas</b> (no footpath)	small sign	1.5	
	large sign	2.1	
<b>Urban areas</b> (not over or near a footpath) Mounting heights need to be increased in urban areas to avoid sign visibility problems caused by parked vehicles	small sign	2.0	
	large sign	2.1	
<b>Over or near a footpath if likely to obstruct</b>		2.5	Mounting height must be measured to the ground surface or footpath immediately beneath the sign
<b>Overhead signs</b> Mounting height is important when there is no alternative route for over-dimension loads. (An absolute minimum of 5.3m can be used where the sign is located over an emergency shoulder or parking lane)		6.0	Mounting height must be measured to the road surface immediately below the sign

## MOUNTING HEIGHTS - SINGLE POST



**Figure 7.3** Urban location single pole support



**Figure 7.4** Urban location single pole support over a footpath

# SIGN MOUNTING

## DETAILS FOR ROADSIDE MOUNTED SIGNS

### As a rule:

- For signs with two posts, the spacing should be approximately 60 percent of the sign width.
- Where signs are located on a footpath, consideration needs to be given to pedestrian accessibility around the post and to providing sufficient width to avoid the risk of an errant vehicle striking one or more posts. Further information can be found in the NZTA's State highway geometric design manual and NZTA P24:2020 Specification for Permanent Traffic Signs.

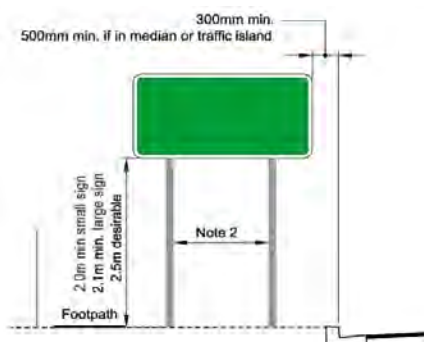


Figure 7.5 Urban location two-pole support

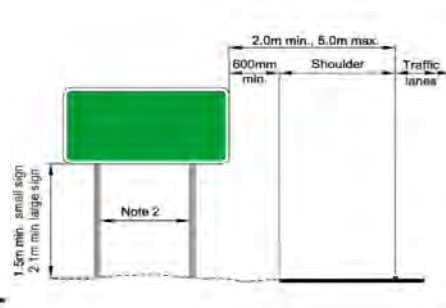


Figure 7.6 Rural location standard two-pole support

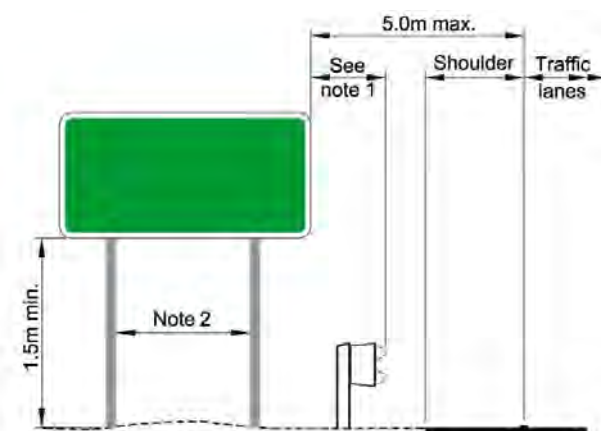


Figure 7.7 Rural location behind a guardrail

**Note 1:** The offset from the barrier will depend on the type of barrier system, i.e. rigid, semi-rigid and non-rigid barriers.

**Note 2:** Distance between posts is determined by the width of the sign. Refer to section 7.3.4 of this document.

# SIGN MOUNTING

## DETAILS FOR ROADSIDE MOUNTED SIGNS (REGULATORY AND WARNING SIGNS)

### LATERAL CLEARANCE FOR TRAFFIC SIGNS

Table 7.3

ROAD AND ENVIRONMENT TYPE			LATERAL CLEARANCE	
			Minimum (mm)	Maximum (mm)
Urban	Kerbed	Mountable	500 (where minimum lateral clearance cannot be achieved, the sign mounting height must be increased to at least 4.6m to ensure adequate clearance height for most vehicles)	-
		Non-mountable	300	-
	Un-kerbed (including urban arterial expressways)		600	5000 (from nearest lane/closest edge)
	Kerbed (channelised intersections)		500	-
Rural	Un-kerbed		600 (from outer edge of the road shoulder, line of edge marker posts or face of guardrail)	5000 (from nearest lane/closest edge)

### KERBED ROADWAYS - URBAN & RURAL

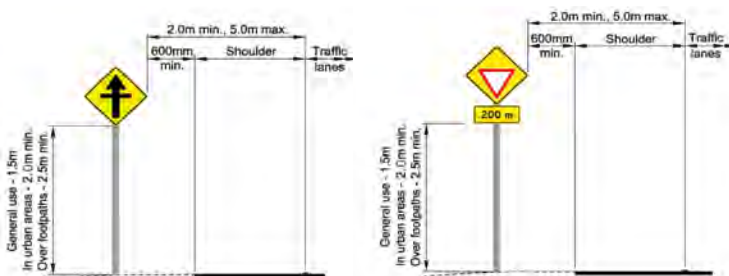
Where minimum lateral clearances for kerbed roadways in table 7.2 cannot be provided, the mounting height above the roadway should be increased to at least 4.6m to avoid damage from trucks and vans.

**Figure 7.1** Lateral and height clearances for regulatory and warning signs in kerbed roadways



### UN-KERBED ROADWAYS

**Figure 7.2** Lateral and height clearances for regulatory and warning signs in un-kerbed roadways







## 2024 DIARY & PRODUCT GUIDE



AUCKLAND WELLINGTON CHRISTCHURCH INVERCARGILL