

Appendix E Crash reduction monitoring system quick reference chart

Quick reference chart

The following two pages are a smaller version of the information in section 3 and Appendix A. They can be copied back to back and then folded into three to make a simple quick reference chart to be used when completing monitoring forms or implementation reports.

3.5 PROBLEM CODING

CRASH TYPE	Code	OPTIONAL DETAIL	Code
All/general	1	Darkness	1
Overtaking	2	Wet road/ice	2
Head-on (bend)	3	Struck roadside object	3
Head-on (straight)	4	Speed	4
Lost-control (bend)	5	Cyclist	5
Lost-control (straight)	6		
Rear-end/obstruction	7		
Crossing	8		
Turning	9		
Merging	10		
Pedestrian	11		
Other	12		

3.8 IMPLEMENTATION STATUS CODES

1. Yes – works complete
2. No – works not yet done
3. Not used, was monitoring only
4. Works will not be done
5. Works implemented separately from study
6. Environmental/minor change only (Date optional – other dates used for monitoring)

Note: Implementation status 1 and 5 require a date entry.

Use status 6 for any recommendations with effect = 3.

2.13 ROAD CLASSIFICATION CODES

Urban, < 80 km/h Open, > = 80 km/h

Code	Urban	Code	Open
1	Major arterial 20,000+ vpd	6	Motorway
2	Minor arterial 8,001–20,000 vpd	7	> 5,000 vpd
3	Collector 2,001–8,000 vpd	8	< = 5,000 vpd
4	Local < = 2000 vpd	9	< = 1,000 vpd
5	Accessway	10	< = 200 vpd
		11	< = 50 vpd

CRASH REDUCTION MONITORING SYSTEM

QUICK REFERENCE CHART

2.8 TRANSIT NEW ZEALAND REGION NUMBERS

01	Northland	08	Manawatu – Wanganui
02	Auckland	09	Wellington
03	Waikato	10	Nelson – Marlborough
04	Bay of Plenty	11	Canterbury
05	Taranaki	12	West Coast
06	Gisborne	13	Otago
07	Hawkes Bay	14	Southland

2.11 SITE SPECIFIC LOCATION TYPE

Code	Description	Code	Description
01	Signal controlled junction	07	Curve
02	Controlled junction	08	Bridge
03	Uncontrolled junction	09	Pedestrian crossing location
04	Roundabout	10	Signal controlled pedestrian crossing facility
05	Grade separated junction	11	Cycle crossing location
06	Driveway/entrance	12	Signal controlled cycle crossing facility
		13	Other (state)

TREATMENT CATEGORY	ACTION CATEGORY	ACTION	Action Code	OBJECT	Object Code	
TRAFFIC FLOW	Install/add	Allow	15	TRAFFIC FLOW	700	
	Remove	Remove (Ban)	21	Left turn vehicles Right turn vehicles Parked vehicles	701 702 703	
CONTROL TYPES	Install/add	Install	11	CONTROL TYPES	800	
		Paint/mark	12		Give way control	801
		Remove	21		Stop control	802
	Remove	Remove	21	Limit lines (see category 200)		
		Move	31	Roundabout	803	
	Upgrade/Maintain	Upgrade	41	Speed limit	804	
		Maintain paint	43	One-lane bridge control	805	
	Repair	Repair	44	Railway barrier	806	
		Replace	45	Traffic signal (T.S.) control	807	
	Modify	Extend	52	T.S. (Upgrade to)	808	
		Shorten	53	Austroads/NZ standard	809	
		Narrow	54	T.S. Phasing	810	
		Widen	55	T.S. Other	811	
Lower		56	T.S. Lanterns	812		
Raise		57	T.S. Overhead lanterns	813		
Increase (# of)		59	T.S. Arrow lanterns			
Enlarge	61	Speed threshold (see Category 500, code 508)				
Shade	63					
Change	64					
Add backing board to	66					
GEOMETRIC ALIGNMENT	Move	Re-align	32	GEOMETRIC ALIGNMENT	900	
		Upgrade	41	Crest	901	
	Modify	Extend	52	Curve	902	
		Increase	59	Depression	903	
	Decrease	60	Sag	904		
Ease	65	Super elevation/camber	905			



TREATMENT CATEGORY	ACTION CATEGORY	ACTION	Action Code	OBJECT	Object Code	
TRAFFIC SIGNS	Install/add	Install	11	TRAFFIC SIGNS	400	
	Remove	Remove	21	Use appropriate sign code from 'Manual of Traffic Signs and Markings Part 1: Traffic Signs' e.g. Stop sign is code 400 RG5		
	Upgrade/Maintain	Repair	44	Advertising signs/ billboards (see category 600)		
	Modify	Lower	56	If installing new intersection control use category 800		
		Raise	57			
	Increase (# of)	Increase (# of)	59			
		Decrease (# of)	60			
	Enlarge	61				
	Add backing board to	66				
	KERBS, ISLANDS & MEDIANS	Install/add	Install	11	KERBS, ISLANDS, MEDIANS	500
Paint/mark			12	Bulbous kerbs		501
Seal			13	Flush median (see category 200)		
Remove		Remove	21	Hatched/painted island (see category 200)	502	
		Move	31	Kerb		
Upgrade/Maintain		Re-align	32	Median barrier (see category 600)	503	
		Maintain paint	43	Pedestrian refuge	504	
Repair		Repair	44	Raised median		
		Replace	45	Roundabout (see category 800)	505	
Modify		Extend	52	Seagull/splitter island	506	
		Shorten	53	Speed hump	507	
Narrow		54	Throat/fishall island	508		
Widen		55	Threshold/gateway/ platform			
Lower	56					
Raise	57					
Re-reflectrise	67					
ROADSIDE FEATURES	Install/add	Install	11	ROADSIDE FEATURES	600	
		Paint/mark	12		Building	601
		Seal	13		Cliff/bank	602
	Remove	Plant	14	Ditch	603	
		Move	31	Fence	604	
	Upgrade/Maintain	Re-align	32	Footpath	605	
		Maintain paint	43	Guard rail	606	
	Repair	44	Median barrier	607		
	Replace	45	Poles	608		
	Extend	52	Trees/vegetation	609		
	Shorten	53	Advertising signs/ billboards	610		
	Narrow	54				
	Widen	55				
Lower	56					
Raise	57					
Trim	62					

TREATMENT CATEGORY	ACTION CATEGORY	ACTION	Action Code	OBJECT	Object Code	
SURFACE & LAYOUT	Install/add	Install	11	SURFACE & LAYOUT	100	
	Move	Seal	13	Bridge	101	
		Upgrade	31	Carrieway/lanes	102	
	Upgrade/Maintain	Re-seal	41	Crawler/passing lane	103	
		Re-seal	42	Driveway	104	
	Modify	Ban/close	51	Flush median (see category 200)		
		Extend	52	Intersection	105	
		Shorten	53	Physical bay-left turn	106	
		Narrow	54	Physical bay-right turn	107	
		Widen	55	Physical bay-parking	108	
		Lower	56	Ramp	109	
Raise		57	Shoulder	110		
Re-design	58	Taper	111			
Very high friction surfacing	112					
MARKINGS & DELINEATION	Install/add	Install	11	MARKING & DELINEATION	200	
		Paint/mark	12		BRIDGE & DELINEATION	201
		Apply textured / ribbed	16		Marking end marker	202
	Remove	Remove	21	Bus stop	203	
		Move	31	Centreline-dashed	204	
	Upgrade/Maintain	Re-align	32	Centreline-solid		
		Maintain paint	43	Chevrons-single curve indicators (see category 400)	207	
	Replace	Replace	45	Chevrons-full (see category 400)	208	
		Extend	52	Continuity line	209	
	Modify	Shorten	53	Diagonal markings	210	
		Narrow	54	Edge marker posts	211	
	Widen	Widen	55	Flush median	212	
		Lower	56	Guard rail (see category 600)	213	
	Raise	57	Hatched/painted island	214		
	Increase (# of)	66	Hazard marker	215		
	Add backing board to	67	Lane markings-general	216		
	Reflectrise		Lane markings-arrows	217		
		Lane markings-cycle	218			
		Lane markings-left turn	219			
		Lane markings-right turn	220			
		roundabout	221			
		Limit lines	222			
		No overtaking line	223			
		Parking space-painted	224			
		Pedestrian crossing	225			
		RRPWs	226			
		Sight rail				
		Words				
LIGHTING	Install/add	Install	11	LIGHTING	300	
		Remove	21			
	Upgrade/Maintain	Re-align	32			
		Repair	44			
	Extend	52				

