





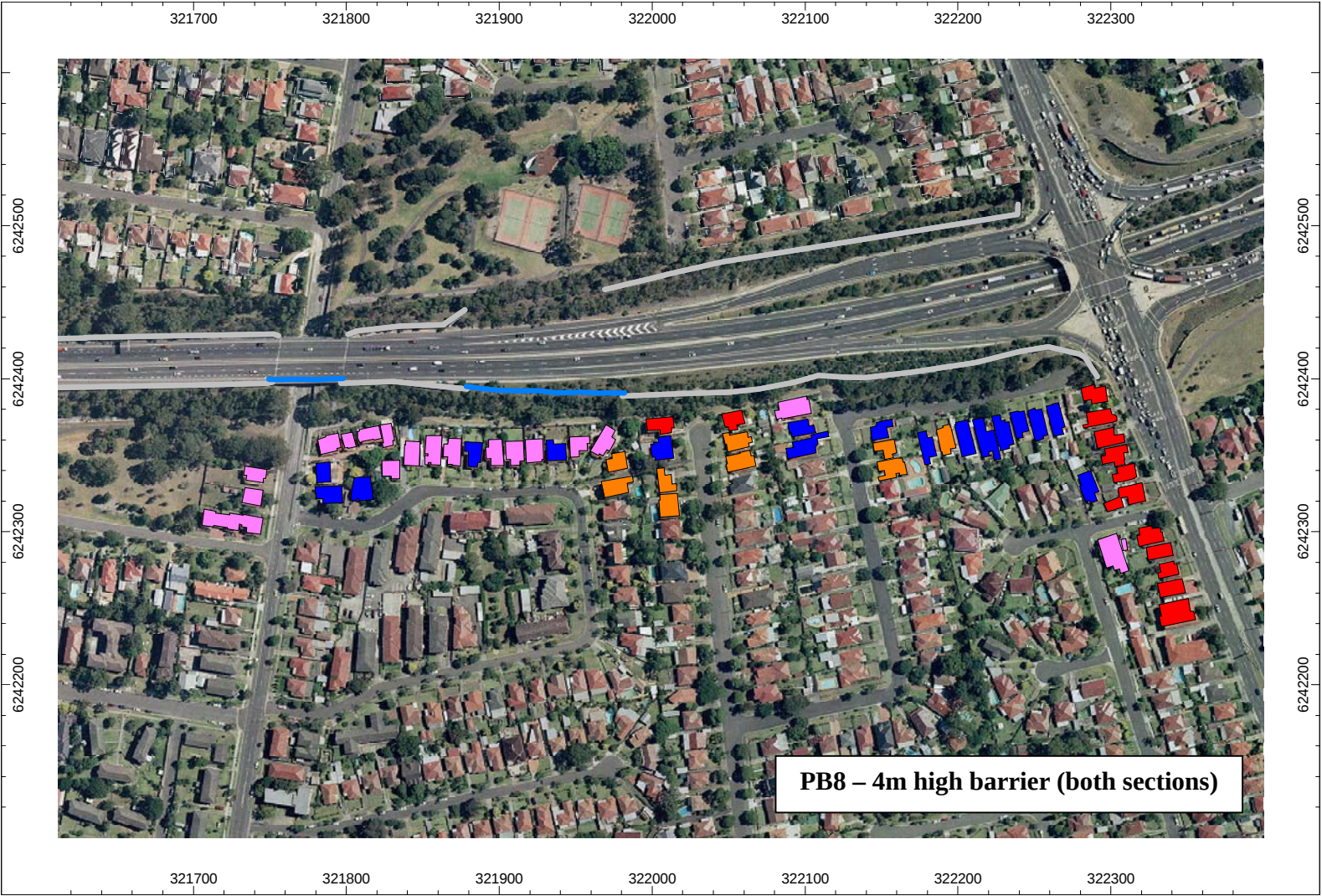












APPENDIX I

Detail of Sound Power Level

Appendix I - Combined Sound Power Level (SWL)

Activity	Typical Equipment Used	No. of Units	Acoustic Usage Factor % (based on 15min)	Total L_{Aeq} Sound Power Level (SWL) used for Calculations
Compound Establishment	Light vehicles	2	50	105
	Trucks	2	50	
	Crane	1	80	
Traffic control	Traffic control vehicles	2	20	89
Removal of existing linemarking	Linemarking trucks	1	80	97
	Grinding machine	1	40	
Linemarking	Linemarking trucks	1	80	94
	Traffic control vehicles	2	20	
Installation or removal of temporary safety barriers	Traffic control vehicles	2	20	104
	Trucks	1	50	
	Crane	1	80	
Removal of wire rope barrier	Trucks	2	50	109
	Crane	1	80	
	Generator	1	100	
	Compressor	1	100	
Saw Cutting	Saw cutter	1	70	114
	Light vehicles	2	50	
	Water cart	1	70	
Clearing and grubbing	Excavator (30t)	1	100	118
	Chainsaw	1	90	
	Mulcher	1	90	
	Dump truck	1	90	
	Water cart	1	90	
	Excavator	1	90	
Earthworks	Dump truck	1	50	119
	Compactor	1	90	
	Water cart	1	90	
	Grader	1	90	
	Profiler	1	90	
	Dozer	1	90	
	Roller	1	90	
Pavement	Grader	1	90	

Activity	Typical Equipment Used	No. of Units	Acoustic Usage Factor % (based on 15min)	Total L _{Aeq} Sound Power Level (SWL) used for Calculations
construction (rip and re-compact subgrade, place select material and compact)	Excavator	1	90	116
	Roller	1	90	
	Dump truck	1	90	
	Water cart	1	90	
	Wacker Packer	1	90	
	Spray sealing equipment	1	90	
Concrete works (construction of concrete pavement, kerbs and barriers)	Agitator truck	2	70	117
	Concrete pump	1	70	
	Vibrators	1	70	
	Compaction equipment	1	80	
	Concrete saw	1	80	
	Compressor	1	100	
	Generator	1	100	
Paving (delivery of raw materials, placement of surface material, saw cutting)	Profiler	1	90	117
	Paver	1	100	
	Asphalt truck	1	80	
	Sprayer	1	80	
	Roller	1	80	
Drainage works	Agitator truck	2	70	117
	Concrete pump	1	70	
	Vibrators	1	70	
	Jackhammer	1	70	
	Welding machine	1	50	
	Under boring equipment	1	100	
Mill and resheet	Milling machine	1	100	117
	Trucks	2	50	
	Paving machine	1	80	
	Ashpalt trucks	1	80	
	Rollers	1	80	
Signs installation	Piling machine	1	80	114
	Agitator truck	2	70	
	Concrete pump	1	80	
	Vibrators	1	80	
	Crane	1	50	
	Trucks	2	50	
	Generators	1	100	

Activity	Typical Equipment Used	No. of Units	Acoustic Usage Factor % (based on 15min)	Total L _{Aeq} Sound Power Level (SWL) used for Calculations
Landscaping and vegetation	Light vehicles	2	80	98
	Trucks	2	80	
Noise walls construction	Piling machine	1	80	113
	Concrete trucks	2	50	
	Vibrators	1	70	
	Crane	1	50	
	Trucks	2	50	
	Generators	1	100	
	Welding equipment	1	50	
	Oxy gear	1	80	
Bridge works - Day time	Jackhammer	1	80	117
	Piling	1	80	
	Agitator truck	2	70	
	Concrete pump	1	80	
	Vibrators	1	70	
	Crane	1	50	
	Trucks	2	50	
	Generators	1	100	
Bridge works - Night time	Piling	1	80	110
	Crane	1	50	
	Trucks	2	50	
	Generators	1	100	
	Cherry picker	1	40	
	Welding gear	1	50	
Sedimentation basins works	Excavator	1	80	113
	Concrete pump	1	80	
	Concrete trucks	2	50	
	Vibrators	1	70	
	Trucks	2	50	
OMCS works	Excavator	1	80	117
	Under boring machine	1	100	
	Piling	1	80	
	Cranes	1	50	
	Concrete saw cutter	1	70	
	Concrete pump	1	80	
	Concrete trucks	2	50	
	Vibrators	1	80	
	Trucks	2	50	

APPENDIX J

CONSTRUCTION NOISE EMISSION

**Predicted Construction Noise Levels, L_{Aeq} : King Georges Road to Belmore Road
(Chainage 8880 to 10650)**

NCA	Period	Ranking / Activity	Construction Noise			Sleep	L _{Aeq,15min}	Exceedance	L _{Amax}	Exceedance
			Management			Disturb.				
			Level, L _{Aeq,15min}			L _{Amax,1min}				
			Day	Eve	Night	Criteria				
BR_KGR_N	Day	(1) Earthworks	67				57-69	Marginal		
		(2) Clearing & grubbing	67				56-68	Marginal		
		(3) Concrete works	67				55-67	Nil		
		(3) Drainage works	67				55-67	Nil		
		(6) Noise walls construction	67				51-63	Nil		
		(6) Sedimentation basins works	67				51-63	Nil		
		(11) Landscaping & vegetation	67	-			36-48	Nil		
	Eve	(3) Concrete works		61			55-67	> 5dB		
		(3) Mill and re-sheet		61			55-67	> 5dB		
		(5) Signs installation		61			52-64	> 2dB		
		(8) Removal of wire rope barrier		61			47-59	Nil		
		(10) Temporary safety barriers		61			42-54	Nil		
		(12) Removal of existing linemarking		61			35-47	Nil		
		(13) Linemarking		61			32-44	Nil		
(14) Traffic control		61			27-39	Nil				
Night	(3) Concrete works			50	60	55-67	> 15dB	56-68	> 5dB	
	(3) Mill and re-sheet			50	60	55-67	> 15dB	59-71	> 10dB	
	(5) Signs installation			50	60	52-64	> 10dB	54-66	> 5dB	
	(8) Removal of wire rope barrier			50	60	47-59	> 5dB	51-63	> 2dB	
	(10) Temporary safety barriers			50	60	42-54	> 2dB	51-63	> 2dB	
	(12) Removal of existing linemarking			50	60	35-47	Nil	41-53	Nil	
	(13) Linemarking			50	60	32-44	Nil	35-47	Nil	
	(14) Traffic control			50	60	27-39	Nil	35-47	Nil	
BR_KGR_S	Day	(1) Earthworks	60				55-70	> 5dB		
		(2) Clearing & grubbing	60				54-69	> 5dB		
		(3) Concrete works	60				53-68	> 5dB		
		(3) Drainage works	60				53-68	> 5dB		
		(6) Noise walls construction	60				49-64	> 2dB		
		(6) Sedimentation basins works	60				49-64	> 2dB		
		(11) Landscaping & vegetation	60				34-49	Nil		
	Eve	(3) Concrete works		55			53-68	> 10dB		
		(3) Mill and re-sheet		55			53-68	> 10dB		
		(5) Signs installation		55			50-65	> 5dB		
		(8) Removal of wire rope barrier		55			45-60	> 2dB		
		(10) Temporary safety barriers		55			40-55	Nil		
		(12) Removal of existing linemarking		55			33-48	> 5dB		
(13) Linemarking		55			30-45	Nil				

NCA	Period	Ranking / Activity	Construction Noise			Sleep		Exceedance	Exceedance
			Management		Disturb.	L _{Aeq,15min}	L _{Amax,1min}		
			Level, L _{Aeq,15min}						
			Day	Eve	Night	Criteria			
		(14) Traffic control		55			25-40	Nil	
	Night	(3) Concrete works			44	54	53-68	> 15dB	54-69 > 10dB
		(3) Mill and re-sheet			44	54	53-68	> 15dB	57-72 > 15dB
		(5) Signs installation			44	54	50-65	> 15dB	52-67 > 10dB
		(8) Removal of wire rope barrier			44	54	45-60	> 15dB	49-64 > 5dB
		(10) Temporary safety barriers			44	54	40-55	> 10dB	49-64 > 5dB
		(12) Removal of existing linemarking			44	54	33-48	> 2dB	39-54 Nil
		(13) Linemarking			44	54	30-45	Nil	33-48 Nil
		(14) Traffic control			44	54	25-40	Nil	33-48 Nil

Note: Exceedances up to 2dBA are termed "marginal". Other exceedances thereafter are summarised in 5dB exceedance steps; i.e. >5dB, >10dB, >15dB etc.

**Predicted Construction Noise Levels, L_{Aeq} : Belmore Road to Fairford Road
(Chainage 10650 to 12380)**

NCA	Period	Ranking / Activity	Construction Noise Management			Sleep	L _{Aeq,15min}	Exceedance	L _{Amax}	Exceedance
			Level, L _{Aeq ,15min}			Disturb.				
			Day	Eve	Night	L _{Amax,1min} Criteria				
FR_BR_N	Day	(1) Earthworks	60				58-66	> 5dB		
		(2) Clearing & grubbing	60				57-65	> 2dB		
		(3) Concrete works	60				56-64	> 2dB		
		(3) Drainage works	60				56-64	> 2dB		
		(6) Noise walls construction	60				52-60	Nil		
		(6) Sedimentation basins works	60				52-60	Nil		
		(11) Landscaping & vegetation	60				37-45	Nil		
	Eve	(3) Concrete works		56			56-64	> 5dB		
		(3) Mill and re-sheet		56			56-64	> 5dB		
		(5) Signs installation		56			53-61	> 2dB		
		(8) Removal of wire rope barrier		56			48-56	Nil		
		(10) Temporary safety barriers		56			43-51	Nil		
		(12) Removal of existing linemarking		56			36-44	Nil		
		(13) Linemarking		56			33-41	Nil		
		(14) Traffic control		56			28-36	Nil		
	Night	(3) Concrete works			49	59	56-64	> 10dB	57-65	> 5dB
		(3) Mill and re-sheet			49	59	56-64	> 10dB	60-68	> 5dB
		(5) Signs installation			49	59	53-61	> 10dB	55-63	> 2dB
		(8) Removal of wire rope barrier			49	59	48-56	> 5dB	52-60	Marginal
		(10) Temporary safety barriers			49	59	43-51	Marginal	52-60	Marginal
		(12) Removal of existing linemarking			49	59	36-44	Nil	42-50	Nil
		(13) Linemarking			49	59	33-41	Nil	36-44	Nil
		(14) Traffic control			49	59	28-36	Nil	36-44	Nil

Note: Exceedances up to 2dBA are termed "marginal". Other exceedances thereafter are summarised in 5dB exceedance steps; i.e >5dB, >10dB, >15dB etc

**Predicted Construction Noise Levels, L_{Aeq} : Fairford Road to The River Road
(Chainage 12380 to 13980)**

NCA	Period	Ranking / Activity	Construction Noise Management			Sleep Disturb.	L _{Aeq,15min}	Exceedance	L _{Amax}	Exceedance	
						L _{Amax,1min}					
			Level, L _{Aeq,15min}			Criteria					
			Day	Eve	Night						
QS_GA_N	Day	(1) Earthworks	64				54-68	> 2dB			
		(2) Clearing & grubbing	64				53-67	> 2dB			
		(3) Concrete works	64				52-66	Marginal			
		(3) Drainage works	64				52-66	Marginal			
		(4) Pavement construction	64				51-65	Marginal			
		(6) Noise walls construction	64				48-62	Nil			
		(6) Sedimentation basins works	64				48-62	Nil			
	Eve	(3) Concrete works		57			52-66	> 5dB			
		(3) Paving		57			52-66	> 5dB			
		(3) Mill and re-sheet		57			52-66	> 5dB			
		(5) Signs installation		57			49-63	> 5dB			
		(5) Saw Cutting		57			49-63	> 5dB			
		(8) Removal of wire rope barrier		57			44-58	Marginal			
		(10) Temporary safety barriers		57			39-53	Nil			
	Night	(12) Removal of existing linemarking		57			32-46	Nil			
		(13) Linemarking		57			29-43	Nil			
		(14) Traffic control		57			24-38	Nil			
		HR_FR_S	Day	(3) Concrete works			44	54	52-66	> 15dB	53-67
	(3) Paving					44	54	52-66	> 15dB	56-70	> 15dB
(3) Mill and re-sheet					44	54	52-66	> 15dB	56-70	> 15dB	
(5) Signs installation					44	54	49-63	> 15dB	51-65	> 10dB	
(5) Saw Cutting					44	54	49-63	> 15dB	53-67	> 10dB	
(8) Removal of wire rope barrier					44	54	44-58	> 10dB	48-62	> 5dB	
(10) Temporary safety barriers					44	54	39-53	> 5dB	48-62	> 5dB	
(12) Removal of existing linemarking					44	54	32-46	Marginal	38-52	Nil	
(13) Linemarking					44	54	29-43	Nil	32-46	Nil	
(14) Traffic control					44	54	24-38	Nil	32-46	Nil	

NCA	Period	Ranking / Activity	Construction			Sleep	Exceedance	L _{Amax}	Exceedance	
			Noise		Disturb.					
			Management							
			Level, L _{Aeq,15min}							
			Day	Eve	Night	L _{Amax,1min} Criteria				
Eve		(3) Concrete works		56			57-72	> 15dB		
		(3) Paving		56			57-72	> 15dB		
		(3) Mill and re-sheet		56			57-72	> 15dB		
		(5) Signs installation		56			54-69	> 10dB		
		(5) Saw Cutting		56			54-69	> 10dB		
		(8) Removal of wire rope barrier		56			49-64	> 5dB		
		(10) Temporary safety barriers		56			44-59	> 2dB		
Night		(3) Concrete works			44	54	57-72	> 15dB	58-73	> 15dB
		(3) Paving			44	54	57-72	> 15dB	61-76	> 15dB
		(3) Mill and re-sheet			44	54	57-72	> 15dB	61-76	>15dB
		(5) Signs installation			44	54	54-69	> 15dB	56-71	> 15dB
		(5) Saw Cutting			44	54	54-69	> 15dB	58-73	> 15dB
		(8) Removal of wire rope barrier			44	54	49-64	> 15dB	53-68	> 10dB
		(10) Temporary safety barriers			44	54	44-59	> 10dB	53-68	> 10dB
		(12) Removal of existing linemarking			44	54	37-52	> 5dB	43-58	> 2dB
		(13) Linemarking			44	54	34-49	> 2dB	37-52	Nil
		(14) Traffic control			44	54	29-44	Nil	37-52	Nil

Note: Exceedances up to 2dBA are termed "marginal". Other exceedances thereafter are summarised in 5dB exceedance steps; i.e. >5dB, >10dB, >15dB etc.

**Predicted Construction Noise Levels, L_{Aeq} : The River Road to Henry Lawson Drive
(Chainage 13980 to 17430)**

NCA	Period	Ranking / Activity	Construction Noise			Sleep	$L_{Aeq,15min}$	Exceedance	L_{Amax}	Exceedance
			Management			Disturb.				
			Level, $L_{Aeq,15min}$			$L_{Amax,1min}$				
			Day	Eve	Night	Criteria				
HR_FR_S	Day	(1) Earthworks	62				59-74	> 10dB		
		(2) Clearing & grubbing	62				58-73	> 10dB		
		(3) Concrete works	62				57-72	> 5dB		
		(3) Drainage works	62				57-72	> 5dB		
		(3) Bridge works	62				57-72	> 5dB		
		(4) Pavement construction	62				56-71	> 5dB		
		(6) Noise walls construction	62				53-68	> 5dB		
		(6) Sedimentation basins works	62				53-68	> 5dB		
		(11) Landscaping & vegetation	62				38-53	Nil		
	Eve	(3) Concrete works		56			57-72	> 15dB		
		(3) Paving		56			57-72	> 15dB		
		(3) Mill and re-sheet		56			57-72	> 15dB		
		(5) Signs installation		56			54-69	> 10dB		
		(5) Saw Cutting		56			54-69	> 10dB		
		(7) Bridge works		56			50-65	> 5dB		
		(8) Removal of wire rope barrier		56			49-64	> 5dB		
		(10) Temporary safety barriers		56			44-59	> 2dB		
		(12) Removal of existing linemarking		56			37-52	Nil		
		(13) Linemarking		56			34-49	Nil		
		(14) Traffic control		56			29-44	Nil		
		Night	(3) Concrete works			44	54	57-72	> 15dB	57-73
	(3) Paving				44	54	57-72	> 15dB	61-76	> 15dB
	(3) Mill and re-sheet				44	54	57-72	> 15dB	61-76	> 15dB
	(5) Signs installation				44	54	54-69	> 15dB	56-71	> 15dB
	(5) Saw Cutting				44	54	54-69	> 15dB	58-73	> 15dB
	(7) Bridge works (night)				44	54	50-65	> 15dB	51-66	> 10dB
	(8) Removal of wire rope barrier				44	54	49-64	> 15dB	53-68	> 10dB
(10) Temporary safety barriers				44	54	44-59	> 10dB	53-68	> 10dB	
(12) Removal of existing linemarking				44	54	37-52	> 5dB	43-58	> 2dB	
(13) Linemarking				44	54	34-49	> 2dB	37-52	Nil	
(14) Traffic control				44	54	29-44	Nil	37-52	Nil	

Note: Exceedances up to 2dBA are termed "marginal". Other exceedances thereafter are summarised in 5dB exceedance steps; i.e. >5dB, >10dB, >15dB etc.

**Predicted Construction Noise Levels, L_{Aeq} : Henry Lawson Drive to East of Toll Plaza Area
(Chainage 17430 to 18600)**

NCA	Period	Ranking / Activity	Construction Noise Management			Sleep Disturb.	$L_{Aeq,15min}$	Exceedance	L_{Amax}	Exceedance
			Level, $L_{Aeq,15min}$			$L_{Amax,1min}$				
			Day	Eve	Night	Criteria				
HLD_HR_N	Day	(1) Earthworks	59				54-66	> 5dB		
		(2) Clearing & grubbing	59				53-65	> 5dB		
		(3) Concrete works	59				52-64	> 2dB		
		(3) Drainage works	59				52-64	> 2dB		
		(4) Pavement construction	59				51-63	> 2dB		
		(6) Noise walls construction	59				48-60	Marginal		
		(6) Sedimentation basins works	59				48-60	Marginal		
		(11) Landscaping & vegetation	59				33-45	Nil		
	Eve	(3) Concrete works		54			52-64	> 5dB		
		(3) Paving		54			52-64	> 5dB		
		(3) Mill and re-sheet		54			52-64	> 5dB		
		(5) Signs installation		54			49-61	> 5dB		
		(5) Saw Cutting		54			49-61	> 5dB		
		(8) Removal of wire rope barrier		54			44-56	Marginal		
		(10) Temporary safety barriers		54			39-51	Nil		
		(12) Removal of existing linemarking		54			32-44	Nil		
		(13) Linemarking		54			29-41	Nil		
		(14) Traffic control		54			24-36	Nil		
	Night	(3) Concrete works			43	53	52-64	> 15dB	53-65	> 10dB
		(3) Paving			43	53	52-64	> 15dB	56-68	> 10dB
		(3) Mill and re-sheet			43	53	52-64	> 15dB	56-68	> 10dB
		(5) Signs installation			43	53	49-61	> 15dB	51-63	> 5dB
		(5) Saw Cutting			43	53	49-61	> 15dB	53-65	> 10dB
		(8) Removal of wire rope barrier			43	53	44-56	> 10dB	48-60	> 5dB
		(10) Temporary safety barriers			43	53	39-51	> 5dB	48-60	> 5dB
		(12) Removal of existing linemarking			43	53	32-44	Marginal	38-50	Nil
		(13) Linemarking			43	53	29-41	Nil	32-44	Nil
		(14) Traffic control			43	53	24-36	Nil	32-44	Nil
HLD_S	Day	(1) Earthworks	64				57-59	Nil		
		(2) Clearing & grubbing	64				56-58	Nil		
		(3) Concrete works	64				55-57	Nil		
		(3) Drainage works	64				55-57	Nil		
		(4) Pavement construction	64				54-56	Nil		
		(6) Noise walls construction	64				51-53	Nil		
		(6) Sedimentation basins works	64				51-53	Nil		
		(11) Landscaping & vegetation	64				36-38	Nil		

NCA	Period	Ranking / Activity	Construction Noise			Sleep	Exceedance		Exceedance
			Management		Disturb.				
			Level, $L_{Aeq,15min}$			$L_{Amax,1min}$	$L_{Aeq,15min}$	L_{Amax}	
			Day	Eve	Night	Criteria			
Eve		(3) Concrete works		55			55-57	Marginal	
		(3) Paving		55			55-57	Marginal	
		(3) Mill and re-sheet		55			55-57	Marginal	
		(5) Signs installation		55			52-54	Nil	
		(5) Saw Cutting		55			52-54	Nil	
		(8) Removal of wire rope barrier		55			47-49	Nil	
		(10) Temporary safety barriers		55			42-44	Nil	
		(12) Removal of existing linemarking		55			35-37	Nil	
		(13) Linemarking		55			32-34	Nil	
		(14) Traffic control		55			27-29	Nil	
Night		(3) Concrete works			43	53	55-57	> 10dB	56-58 > 2dB
		(3) Paving			43	53	55-57	> 10dB	59-61 > 5dB
		(3) Mill and re-sheet			43	53	55-57	> 10dB	59-61 > 5dB
		(5) Signs installation			43	53	52-54	> 10dB	54-56 > 2dB
		(5) Saw Cutting			43	53	52-54	> 10dB	56-58 > 2dB
		(8) Removal of wire rope barrier			43	53	47-49	> 5dB	51-53 Nil
		(10) Temporary safety barriers			43	53	42-44	Marginal	51-53 Nil
		(12) Removal of existing linemarking			43	53	35-37	Nil	41-43 > 5dB
		(13) Linemarking			43	53	32-34	Nil	35-37 Nil
		(14) Traffic control			43	53	27-29	Nil	35-37 Nil

Note: Exceedances up to 2dBA are termed "marginal". Other exceedances thereafter are summarised in 5dB exceedance steps; i.e >5dB, >10dB, >15dB etc.

**Predicted Construction Noise Levels, L_{Aeq} : Toll Plaza Area
(Chainage 18600 to 19860)**

NCA	Period	Ranking / Activity	Construction Noise			Sleep	L _{Aeq,15min}	Exceedance	L _{Amax}	Exceedance
			Management			Disturb.				
			Level, L _{Aeq,15min}			L _{Amax,1min}				
			Day	Eve	Night	Criteria				
MA_HLD_S	Day	(3) Concrete works	65				50-67	Marginal		
		(3) Drainage works	65				50-67	Marginal		
		(3) OMCS works	65				50-67	Marginal		
		(6) Noise walls construction	65				46-63	Nil		
		(6) Sedimentation basins works	65				46-63	Nil		
	Eve	(3) Concrete works		58			50-67	> 5dB		
		(3) Mill and re-sheet		58			50-67	> 5dB		
		(5) Signs installation		58			47-64	> 5dB		
		(10) Temporary safety barriers		58			37-54	Nil		
		(12) Removal of existing linemarking		58			30-47	Nil		
		(13) Linemarking		58			27-44	Nil		
		(14) Traffic control		58			22-39	Nil		
	Night	(3) Concrete works			44	54	50-67	> 15dB	51-68	> 10dB
		(3) Mill and re-sheet			44	54	50-67	> 15dB	54-71	> 15dB
(5) Signs installation				44	54	47-64	> 15dB	49-66	> 10dB	
(10) Temporary safety barriers				44	54	37-54	> 5dB	46-63	> 5dB	
(12) Removal of existing linemarking				44	54	30-47	> 2dB	36-53	Nil	
(13) Linemarking				44	54	27-44	Nil	30-47	Nil	
(14) Traffic control				44	54	22-39	Nil	30-47	Nil	

Note: Exceedances up to 2dBA are termed "marginal". Other exceedances thereafter are summarised in 5dB exceedance steps; i.e >5dB, >10dB, >15dB etc.

Predicted Construction Noise Levels, L_{Aeq} : West of Toll Plaza Area to Heathcote Road (Chainage 19860 to 21300)

NCA	Period	Ranking / Activity	Construction Noise Management Level,			Sleep Disturb.	L _{Aeq,15min}	Exceedance	L _{Amax}	Exceedance		
			L _{Aeq} ,15min			L _{Amax} ,1min						
			Day	Eve	Night	Criteria						
HR_HLD_N	Day	(1) Earthworks	62					51-62	Nil			
		(2) Clearing & grubbing	62					50-61	Nil			
		(3) Bridge works	62					49-60	Nil			
		(3) Concrete works	62					49-60	Nil			
		(3) Drainage works	62					49-60	Nil			
		(3) OMCS works	62					49-60	Nil			
		(4) Pavement construction	62					48-59	Nil			
		(6) Noise walls construction	62					45-56	Nil			
		(6) Sedimentation basins works	62					45-56	Nil			
		(11) Landscaping & vegetation	62					30-41	Nil			
	Eve	(3) Concrete works			54				49-60	> 5dB		
		(3) Paving			54				49-60	> 5dB		
		(3) Mill and re-sheet			54				49-60	> 5dB		
		(5) Signs installation			54				46-57	> 2dB		
		(5) Saw Cutting			54				46-57	> 2dB		
		(7) Bridge works			54				42-53	Nil		
		(10) Temporary safety barriers			54				36-47	Nil		
		(12) Removal of existing linemarking			54				29-40	Nil		
		(13) Linemarking			54				26-37	Nil		
		(14) Traffic control			54				21-32	Nil		
	Night	(3) Concrete works				43	53		49-60	> 10dB	50-61	> 5dB
		(3) Paving				43	53		49-60	> 10dB	53-64	> 5dB
		(3) Mill and re-sheet				43	53		49-60	> 10dB	53-64	> 5dB
		(5) Signs installation				43	53		46-57	> 10dB	48-59	> 2dB
		(5) Saw Cutting				43	53		46-57	> 10dB	50-61	> 2dB
		(7) Bridge works (night)				43	53		42-53	> 10dB	43-54	Nil
		(10) Temporary safety barriers				43	53		36-47	Marginal	45-56	Nil
		(12) Removal of existing linemarking				43	53		29-40	Nil	35-46	Nil
		(13) Linemarking				43	53		26-37	Nil	29-40	Nil
		(14) Traffic control				43	53		21-32	Nil	29-40	Nil
MA_HLD_S	Day	(1) Earthworks	65					52-69	> 2dB			
		(2) Clearing & grubbing	65					51-68	> 2dB			
		(3) Bridge works	65					50-67	Marginal			
		(3) Concrete works	65					50-67	Marginal			

NCA	Period	Ranking/ Activity	Construction Noise			Sleep		Exceedance	
			Management Level,			Disturb.			
			L _{Aeq,15min}			L _{Amax,1min}	L _{Aeq,15min}	L _{Amax}	
			Day	Eve	Night	Criteria			
		(3) Drainage works	65				50-67	Marginal	
		(3) OMCS works	65				50-67	Marginal	
		(4) Pavement construction	65				49-66	Marginal	
		(6) Noise walls construction	65				46-63	Nil	
		(6) Sedimentation basins works	65				46-63	Nil	
		(11) Landscaping & vegetation	65				31-48	Nil	
	Eve	(3) Concrete works		58			50-67	> 5dB	
		(3) Paving		58			50-67	> 5dB	
		(3) Mill and re-sheet		58			50-67	> 5dB	
		(5) Signs installation		58			47-64	> 5dB	
		(5) Saw Cutting		58			47-64	> 5dB	
		(7) Bridge works		58			43-60	Marginal	
		(10) Temporary safety barriers		58			37-54	Nil	
		(12) Removal of existing linemarking		58			30-47	Nil	
		(13) Linemarking		58			27-44	Nil	
		(14) Traffic control		58			22-39	Nil	
	Night	(3) Concrete works			44	54	50-67	> 15dB	51-68 > 10dB
		(3) Paving			44	54	50-67	> 15dB	51-68 > 10dB
		(3) Mill and re-sheet			44	54	50-67	> 15dB	54-71 > 15dB
		(5) Signs installation			44	54	47-64	> 15dB	51-68 > 10dB
		(5) Saw Cutting			44	54	47-64	> 15dB	49-66 > 10dB
		(7) Bridge works			44	54	43-60	> 15dB	47-65 > 10dB
		(10) Temporary safety barriers			44	54	37-54	> 5dB	51-68 > 10dB
		(12) Removal of existing linemarking			44	54	30-47	> 2dB	46-63 > 5dB
		(13) Linemarking			44	54	27-44	Nil	36-53 Nil
		(14) Traffic control			44	54	22-39	Nil	30-47 Nil

Note: Exceedances up to 2dBA are termed "marginal". Other exceedances thereafter are summarised in 5dB exceedance steps; i.e >5dB, >10dB, >15dB etc.

**Predicted Construction Noise Levels, L_{Aeq} : Heathcote Road to East of Moorebank Avenue
(Chainage 21300 to 22585)**

NCA	Period	Ranking / Activity	Construction Noise Management			Sleep	L _{Aeq,15min}	Exceedance	L _{Amax}	Exceedance
			Level, L _{Aeq} ,15min			Disturb.				
			Day	Eve	Night	Criteria				
HR_HLD_N	Day	(1) Earthworks	62				51-62	Nil		
		(2) Clearing & grubbing	62				50-61	Nil		
		(3) Concrete works	62				49-60	Nil		
		(3) Drainage works	62				49-60	Nil		
		(4) Pavement construction	62				48-59	Nil		
		(6) Noise walls construction	62				45-56	Nil		
		(6) Sedimentation basins works	62				45-56	Nil		
		(11) Landscaping & vegetation	62				30-41	Nil		
	Eve	(3) Concrete works		54			49-60	> 5dB		
		(3) Paving		54			49-60	> 5dB		
		(3) Mill and re-sheet		54			49-60	> 5dB		
		(5) Signs installation		54			46-57	> 2dB		
		(5) Saw Cutting		54			46-57	> 2dB		
		(10) Temporary safety barriers		54			36-47	Nil		
		(12) Removal of existing linemarking		54			29-40	Nil		
		(13) Linemarking		54			26-37	Nil		
	(14) Traffic control		54			21-32	Nil			
Night	(3) Concrete works			46	56	49-60	> 10dB	50-61	> 2dB	
	(3) Paving			46	56	49-60	> 10dB	53-64	> 5dB	
	(3) Mill and re-sheet			46	56	49-60	> 10dB	53-64	> 5dB	
	(5) Signs installation			46	56	46-57	> 10dB	48-59	> 2dB	
	(5) Saw Cutting			46	56	46-57	> 10dB	50-61	> 2dB	
	(10) Temporary safety barriers			46	56	36-47	Marginal	45-56	Nil	
	(12) Removal of existing linemarking			46	56	29-40	Nil	35-46	Nil	
	(13) Linemarking			46	56	26-37	Nil	29-40	Nil	
	(14) Traffic control			46	56	21-32	Nil	29-40	Nil	
	MA_HLD_S	Day	(1) Earthworks	65				52-69	> 2dB	
(2) Clearing & grubbing			65				51-68	> 2dB		
(3) Bridge works			65				50-67	Marginal		
(3) Concrete works			65				50-67	Marginal		
(3) Drainage works			65				50-67	Marginal		
(4) Pavement construction			65				49-66	Marginal		
(6) Noise walls construction			65				46-63	Nil		
(6) Sedimentation basins works			65				46-63	Nil		
(11) Landscaping & vegetation			65				31-48	Nil		

NCA	Period	Ranking / Activity	Construction Noise			Sleep		L _{Aeq,15min}	Exceedance	L _{Amax}	Exceedance
			Management			Disturb.					
			Level, L _{Aeq,15min}				L _{Amax,1min}				
			Day	Eve	Night	Criteria					
Eve		(3) Concrete works		58			50-67	> 5dB			
		(3) Paving		58			50-67	> 5dB			
		(3) Mill and re-sheet		58			50-67	> 5dB			
		(5) Signs installation		58			47-64	> 5dB			
		(5) Saw Cutting		58			47-64	> 5dB			
		(7) Bridge works		58			43-60	Marginal			
		(10) Temporary safety barriers		58			37-54	Nil			
		(12) Removal of existing linemarking		58			30-47	Nil			
		(13) Linemarking		58			27-44	Nil			
		(14) Traffic control		58			22-39	Nil			
Night		(3) Concrete works			44	54	50-67	> 15dB	53-70	> 15dB	
		(3) Paving			44	54	50-67	> 15dB	56-73	> 15dB	
		(3) Mill and re-sheet			44	54	50-67	> 15dB	56-73	> 15dB	
		(5) Signs installation			44	54	47-64	> 15dB	49-66	> 10dB	
		(5) Saw Cutting			44	54	47-64	> 15dB	51-68	> 10dB	
		(7) Bridge works (night)			44	54	43-60	> 15dB	46-63	> 5dB	
		(10) Temporary safety barriers			44	54	37-54	> 5dB	46-63	> 5dB	
		(12) Removal of existing linemarking			44	54	30-47	> 2dB	36-53	Nil	
		(13) Linemarking			44	54	27-44	Nil	30-47	Nil	
		(14) Traffic control			44	54	22-39	Nil	30-47	Nil	

Note: Exceedances up to 2dBA are shown as "marginal". Thereafter, exceedances are shown in 5dB exceedance steps; i.e. >5dB, >10dB, >15dB etc.

Predicted Construction Noise Levels, L_{Aeq} : East of Moorebank Avenue to East of Hume Highway (Chainage 22585 to 23585)

NCA	Period	Ranking / Activity	Construction Noise Management			Sleep Disturb.	$L_{Aeq,15min}$	Exceedance	L_{Amax}	Exceedance
			Level, $L_{Aeq,15min}$			$L_{Amax,1min}$				
			Day	Eve	Night	Criteria				
M7_HH_N	Day	(1) Earthworks	64				52-69	> 2dB		
		(2) Clearing & grubbing	64				51-68	> 2dB		
		(3) Concrete works	64				50-67	> 2dB		
		(3) Drainage works	64				50-67	> 2dB		
		(4) Pavement construction	64				49-66	> 2dB		
		(6) Noise walls construction	64				46-63	Nil		
		(6) Sedimentation basins works	64				46-63	Nil		
		(11) Landscaping & vegetation	64				31-48	Nil		
	Eve	(3) Concrete works		55			50-67	> 10dB		
		(3) Paving		55			50-67	> 10dB		
		(3) Mill and re-sheet		55			50-67	> 10dB		
		(5) Signs installation		55			47-64	> 5dB		
		(5) Saw Cutting		55			47-64	> 5dB		
		(10) Temporary safety barriers		55			37-54	Nil		
		(12) Removal of existing linemarking		55			30-47	Nil		
		(13) Linemarking		55			27-44	Nil		
		(14) Traffic control		55			22-39	Nil		
	Night	(3) Concrete works			43	53	50-67	> 15dB	51-68	> 10dB
		(3) Paving			43	53	50-67	> 15dB	54-71	> 15dB
		(3) Mill and re-sheet			43	53	50-67	> 15dB	54-71	> 15dB
		(5) Signs installation			43	53	47-64	> 15dB	49-66	> 10dB
		(5) Saw Cutting			43	53	47-64	> 15dB	51-68	> 10dB
		(10) Temporary safety barriers			43	53	37-54	> 10dB	46-63	> 5dB
		(12) Removal of existing linemarking			43	53	30-47	> 2dB	36-53	Nil
		(13) Linemarking			43	53	27-44	Marginal	30-47	Nil
		(14) Traffic control			43	53	22-39	Nil	30-47	Nil
CVW_HH_S	Day	(1) Earthworks	62				51-68	> 5dB		
		(2) Clearing & grubbing	62				50-67	> 2dB		
		(3) Bridge works	62				49-66	> 2dB		
		(3) Concrete works	62				49-66	> 2dB		
		(3) Drainage works	62				49-66	> 2dB		
		(4) Pavement construction	62				48-65	> 2dB		
		(6) Noise walls construction	62				45-62	Nil		
		(6) Sedimentation basins works	62				45-62	Nil		
		(11) Landscaping & vegetation	62				30-47	Nil		

NCA	Period	Ranking / Activity	Construction Noise			Sleep		Exceedance	Exceedance	
			Management			Disturb.	L _{Aeq,15min}			
			Level, L _{Aeq,15min}							L _{Amax,1min}
			Day	Eve	Night	Criteria				
Eve		(3) Concrete works		54			49-66	> 10dB		
		(3) Paving		54			49-66	> 10dB		
		(3) Mill and re-sheet		54			49-66	> 10dB		
		(5) Signs installation		54			46-63	> 5dB		
		(5) Saw Cutting		54			46-63	> 5dB		
		(7) Bridge works		54			42-61	> 5dB		
		(10) Temporary safety barriers		54			36-53	Nil		
		(12) Removal of existing linemarking		54			29-46	Nil		
		(13) Linemarking		54			26-43	Nil		
		(14) Traffic control		54			21-38	Nil		
Night		(3) Concrete works			43	53	49-66	> 15dB	50-67	> 10dB
		(3) Paving			43	53	49-66	> 15dB	53-70	> 15dB
		(3) Mill and re-sheet			43	53	49-66	> 15dB	53-70	> 15dB
		(5) Signs installation			43	53	46-63	> 15dB	48-65	> 10dB
		(5) Saw Cutting			43	53	46-63	> 15dB	50-67	> 10dB
		(7) Bridge works (night)			43	53	42-61	> 15dB	43-60	> 5dB
		(10) Temporary safety barriers			43	53	36-53	> 5dB	45-62	> 5dB
		(12) Removal of existing linemarking			43	53	29-46	> 2dB	35-52	Nil
		(13) Linemarking			43	53	26-43	Nil	29-46	Nil
		(14) Traffic control			43	53	21-38	Nil	29-46	Nil

Note: Exceedances up to 2dBA are termed "marginal". Other exceedances thereafter are summarised in 5dB exceedance steps; i.e. >5dB, >10dB, >15dB etc.

Predicted Construction Noise Levels, L_{Aeq} : East of Hume Highway to Camden Valley Way (Chainage 23585 to 28290)

NCA	Period	Ranking / Activity	Construction Noise			Sleep		Exceedance	
			Management			Disturb.			
			Level, $L_{Aeq,15min}$			$L_{Aeq,15min}$		L_{Amax}	Exceedance
			Day	Eve	Night	Criteria			
M7_HH_N	Day	(1) Earthworks	64				52-69	> 2dB	
		(2) Clearing & grubbing	64				51-68	> 2dB	
		(3) Concrete works	64				50-67	> 2dB	
		(3) Drainage works	64				50-67	> 2dB	
		(3) Bridge works	64				50-67	> 2dB	
		(4) Pavement construction	64				49-66	Marginal	
		(6) Noise walls construction	64				46-63	Nil	
		(6) Sedimentation basins works	64				46-63	Nil	
		(11) Landscaping & vegetation	64				31-48	Nil	
	Eve	(3) Concrete works		55			50-67	> 10dB	
		(3) Paving		55			50-67	> 10dB	
		(3) Mill and re-sheet		55			50-67	> 10dB	
		(5) Signs installation		55			47-64	> 5dB	
		(5) Saw Cutting		55			47-64	> 5dB	
		(7) Bridge works		55			43-60	> 5dB	
		(10) Temporary safety barriers		55			37-54	Nil	
		(12) Removal of existing linemarking		55			30-47	Nil	
		(13) Linemarking		55			27-44	Nil	
		(14) Traffic control		55			22-39	Nil	
	Night	(3) Concrete works			43	53	50-67	> 15dB	51-68 > 10dB
		(3) Paving			43	53	50-67	> 15dB	54-71 > 15dB
		(3) Mill and re-sheet			43	53	50-67	> 15dB	54-71 > 15dB
		(5) Signs installation			43	53	47-64	> 15dB	49-66 > 10dB
		(5) Saw Cutting			43	53	47-64	> 15dB	51-68 > 10dB
		(7) Bridge works			43	53	43-60	> 15dB	44-61 > 5dB
		(10) Temporary safety barriers			43	53	37-54	> 10dB	46-63 > 5dB
		(12) Removal of existing linemarking			43	53	30-47	> 2dB	36-53 Nil
		(13) Linemarking			43	53	27-44	Marginal	30-47 Nil
		(14) Traffic control			43	53	22-39	Nil	30-47 Nil
CVW_HH_S	Day	(1) Earthworks	62				51-68	> 5dB	
		(2) Clearing & grubbing	62				50-67	> 2dB	
		(3) Bridge works	62				49-66	> 2dB	
		(3) Concrete works	62				49-66	> 2dB	
		(3) Drainage works	62				49-66	> 2dB	
		(4) Pavement construction	62				48-65	> 2dB	
		(6) Noise walls construction	62				45-62	Nil	

NCA	Period	Ranking / Activity	Construction Noise			Sleep	L _{Aeq,15min}	Exceedance	L _{Amax}	Exceedance	
			Management			Disturb.					
			Level, L _{Aeq,15min}			L _{Amax,1min}					
			Day	Eve	Night	Criteria					
		(6) Sedimentation basins works	62				45-62	Nil			
		(11) Landscaping & vegetation	62				30-47	Nil			
		(3) Concrete works		54			49-66	> 10dB			
	Eve	(3) Paving		54			49-66	> 10dB			
		(3) Mill and re-sheet		54			49-66	> 10dB			
		(5) Signs installation		54			46-63	> 5dB			
		(5) Saw Cutting		54			46-63	> 5dB			
		(7) Bridge Works		54			42-61	> 5dB			
		(10) Temporary safety barriers		54			36-53	Nil			
		(12) Removal of existing linemarking		54			29-46	Nil			
		(13) Linemarking		54			26-43	Nil			
		(14) Traffic control		54			21-38	Nil			
		Night	(3) Concrete works			43	53	49-66	> 15dB	50-67	> 10dB
			(3) Paving			43	53	49-66	> 15dB	53-70	> 15dB
(3) Mill and re-sheet				43	53	49-66	> 15dB	53-70	> 15dB		
(5) Signs installation				43	53	46-63	> 15dB	48-65	> 10dB		
(5) Saw Cutting				43	53	46-63	> 15dB	50-67	> 10dB		
(7) Bridge works (night)				43	53	42-61	> 15dB	43-61	> 5dB		
(10) Temporary safety barriers				43	53	36-53	> 5dB	45-62	> 5dB		
(12) Removal of existing linemarking				43	53	29-46	> 2dB	35-52	Nil		
(13) Linemarking				43	53	26-43	Nil	29-46	Nil		
(14) Traffic control				43	53	21-38	Nil	29-46	Nil		
CVW_M7_W	Day	(1) Earthworks	62				49-52	Nil			
		(2) Clearing & grubbing	62				48-51	Nil			
		(3) Bridge works	62				47-50	Nil			
		(3) Concrete works	62				47-50	Nil			
		(3) Drainage works	62				47-50	Nil			
		(4) Pavement construction	62				46-49	Nil			
		(6) Noise walls construction	62				43-46	Nil			
		(6) Sedimentation basins works	62				43-46	Nil			
		(11) Landscaping & vegetation	62				28-31	Nil			
	Eve	(3) Concrete works		54			47-50	Nil			
		(3) Paving		54			47-50	Nil			
		(3) Mill and re-sheet		54			47-50	Nil			
		(5) Signs installation		54			44-47	Nil			
		(5) Saw Cutting		54			44-47	Nil			
(7) Bridge Works			54			40-43	Nil				
(10) Temporary safety barriers			54			34-37	Nil				

NCA	Period	Ranking / Activity	Construction Noise			Sleep		Exceedance		Exceedance	
			Management			Disturb.	L _{Aeq,15min}	Exceedance	L _{Amax}	Exceedance	
			Level, L _{Aeq,15min}								L _{Amax,1min}
			Day	Eve	Night	Criteria					
		(12) Removal of existing linemarking		54			27-30	Nil			
		(13) Linemarking		54			24-27	Nil			
		(14) Traffic control		54			19-22	Nil			
Night		(3) Concrete works			43	53	47-50	> 5dB	51-54	Marginal 1dB	
		(3) Paving			43	53	47-50	> 5dB	51-54	Marginal 1dB	
		(3) Mill and re-sheet			43	53	47-50	> 5dB	51-54	Marginal 1dB	
		(5) Signs installation			43	53	44-47	> 2dB	48-51	Nil	
		(5) Saw Cutting			43	53	44-47	> 2dB	48-51	Nil	
		(7) Bridge works (night)			43	53	40-43	Nil	41-44	Nil	
		(10) Temporary safety barriers			43	53	34-37	Nil	43-46	Nil	
		(12) Removal of existing linemarking			43	53	27-30	Nil	33-36	Nil	
		(13) Linemarking			43	53	24-27	Nil	27-30	Nil	
		(14) Traffic control			43	53	19-22	Nil	27-30	Nil	

Note: Exceedances up to 2dBA are termed "marginal". Other exceedances thereafter are summarised in 5dB exceedance steps; i.e. >5dB, >10dB, >15dB etc.

Commercial/Industrial Predicted Construction Noise Levels, L_{Aeq} : King Georges Road to Belmore Road (Chainage 8880 to 10650)

NCA	Period	Ranking / Activity	External Construction Noise Management Level,		L _{Aeq,15min}	Commercial Industrial Comply (Y/N)
			L _{Aeq,15min}			
			Comm.	Indust.		
Commercial _BR_BR_N	Day	(1) Earthworks	70	75	57-69	Yes Yes
		(2) Clearing & grubbing	70	75	56-68	Yes Yes
		(3) Concrete works	70	75	55-67	Yes Yes
		(3) Drainage works	70	75	55-67	Yes Yes
		(6) Noise walls construction	70	75	51-63	Yes Yes
		(6) Sedimentation basins works	70	75	51-63	Yes Yes
		(11) Landscaping & vegetation	70	75	36-48	Yes Yes

Commercial/ Industrial Predicted Construction Noise Levels, L_{Aeq} : Fairford Road to The River Road (Chainage 12380 to 13980)

NCA	Period	Ranking / Activity	External Construction Noise Management Level, $L_{Aeq,15min}$		$L_{Aeq,15min}$	Commercial Industrial Comply (Y/N)
			$L_{Aeq,15min}$			
			Comm.	Indust.		
Commercial _GA_FR_N QS_GA_N	Day	(1) Earthworks	70	75	54-68	Yes Yes
		(2) Clearing & grubbing	70	75	53-67	Yes Yes
		(3) Concrete works	70	75	52-66	Yes Yes
		(3) Drainage works	70	75	52-66	Yes Yes
		(4) Pavement construction	70	75	51-65	Yes Yes
		(6) Noise walls construction	70	75	48-62	Yes Yes
		(6) Sedimentation basins works	70	75	48-62	Yes Yes
Commercial _HR_FR_S	Day	(1) Earthworks	70	75	59-74	No Yes
		(2) Clearing & grubbing	70	75	58-73	No Yes
		(3) Concrete works	70	75	57-72	No Yes
		(3) Drainage works	70	75	57-72	No Yes
		(4) Pavement construction	70	75	56-71	No Yes
		(6) Noise walls construction	70	75	53-68	Yes Yes
		(6) Sedimentation basins works	70	75	53-68	Yes Yes
		(11) Landscaping & vegetation	70	75	38-53	Yes Yes

Commercial/Industrial Predicted Construction Noise Levels, L_{Aeq} : Henry Lawson Drive to East of Toll Plaza Area (Chainage 17430 to 18600)

NCA	Period	Ranking / Activity	External Construction Noise Management Level,		L _{Aeq,15min}	Commercial Industrial Comply (Y/N)
			L _{Aeq,15min}			
			Comm.	Indust.		
Commercial _SC_QS_N	Day	(1) Earthworks	70	75	54-66	Yes Yes
		(2) Clearing & grubbing	70	75	53-65	Yes Yes
		(3) Concrete works	70	75	52-64	Yes Yes
		(3) Drainage works	70	75	52-64	Yes Yes
		(4) Pavement construction	70	75	51-63	Yes Yes
		(6) Noise walls construction	70	75	48-60	Yes Yes
		(6) Sedimentation basins works	70	75	48-60	Yes Yes
		(11) Landscaping & vegetation	70	75	33-45	Yes Yes

Commercial/Industrial Predicted Construction Noise Levels, L_{Aeq} : Heathcote Road to East of Moorebank Avenue (Chainage 21300 to 22585)

NCA	Period	Ranking / Activity	External Construction Noise Management Level,		L _{Aeq,15min}	Commercial Industrial Comply (Y/N)
			L _{Aeq,15min}			
			Comm.	Indust.		
Commercial _HR_HLD_N	Day	(1) Earthworks	70	75	51-62	Yes Yes
		(2) Clearing & grubbing	70	75	50-61	Yes Yes
		(3) Concrete works	70	75	49-60	Yes Yes
		(3) Drainage works	70	75	49-60	Yes Yes
		(4) Pavement construction	70	75	48-59	Yes Yes
		(6) Noise walls construction	70	75	45-56	Yes Yes
		(6) Sedimentation basins works	70	75	45-56	Yes Yes
		(11) Landscaping & vegetation	70	75	30-41	Yes Yes
Commercial _MA_HLD_S	Day	(1) Earthworks	70	75	52-69	Yes Yes
		(2) Clearing & grubbing	70	75	51-68	Yes Yes
		(3) Bridge works	70	75	50-67	Yes Yes
		(3) Concrete works	70	75	50-67	Yes Yes
		(3) Drainage works	70	75	50-67	Yes Yes
		(4) Pavement construction	70	75	49-66	Yes Yes
		(6) Noise walls construction	70	75	46-63	Yes Yes
		(6) Sedimentation basins works	70	75	46-63	Yes Yes
		(11) Landscaping & vegetation	70	75	31-48	Yes Yes

Last Page