

STREET LIGHTING "V" CATEGORY

AREA 1

Street No.	Street Name	"P" Category	Present No. of Non-complying lights	Greenfields	Cost of Greenfields Upgrade	No. of new columns & new lights	Cost new column & light	No. of relocated columns reuse light	Cost of relocation	Estimate Cost \$	Comments	Priority rating
1	Tremaine Ave	V3	14			19	\$6,000			\$ 114,000.00	Redesign required could reduce wattage, add 6 lights mid span between L1595-L1582. Redesign required L6167-L6158 respace and or add 7.	1
2	Amberley Ave	V4	5			5	\$6,000			\$ 30,000.00	Add 1 new mid span L18929-L8928, L8926-L8925, L8918-L8917, add 2 new mid span L8915-L2169	2
3	Pioneer Hway	V2	2			2	\$6,000			\$ 12,000.00	Intersection design with increased height may confirm compliance L5929-L5939. 1 new added between L5939-L5938, L5933 out of sequence between L5934-L10106, L2188 out of sequence between L2189-L11009, L10776 out of sequence between L2177-L2176, add 1 new mid span L2160-L2159.	2
4	Botanical Rd	V3	3			1	\$6,000	2	\$3,500	\$ 13,000.00	10% concession used over 3 spans non-compliance acceptable, span between L6234-L6235 10% concession exceeds but less than 2m, relocate L6238 & L6240 add new mid span	2
5	Highbury Ave	V4	3			1	\$6,000	2	\$3,500	\$ 13,000.00	Relocate L6172-L6203 add 1 new, L8699-L8698 span river increased height will help.	2
TOTAL										\$ 182,000.00		

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AREA 2												
6	Gillespies Ln	V4								\$ -	1 light wattage amended, other light considered ok because no lights between for some distance	3
7	Bennett St	V3	9	12	\$7,300					\$ 87,600.00	Redesign required	1
8	Rangitikei St	V2	11	11	\$7,300					\$ 80,300.00	Redesign required	1
TOTAL										\$ 167,900.00		

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AREA 3												
9	JF Kennedy Dr	V3									considered ok because with +/- 2m permitted max plus there is contribution from side street.	3
10	Fairs Rd	V4	1			1				\$ 1,000.00	add new light onto o/h bewteen L8570 & L8567	3
11	Wiltshire Pl	P2	1			2	\$6,000			\$ 12,000.00	Change sub category of road to P2. Add 2 new lights	2
12	Milson Ln	V2	9	10	\$7,300	1	\$6,000	3	\$3,500	\$ 89,500.00	L1382 can't do anything because of large setback illuminance calculation may prove acceptable. Nothing can be done (L1333) because of overbridge. Relocate L8389 plus add new between L1332. Redesign / respase existing / new 11.2m columns to max 55m - reuse existing lights. Relocate L7282 - 19m towards L7283. Relocate L7285 - 15m towards L7286. Replace column L7288 with 11.2m	1
13	Airport Dr Nth	V3	1			1	\$6,000			\$ 6,000.00	Add new additional light mid span between doubles	2
14	McGregor St	V4	1			1	\$6,000			\$ 6,000.00	Increasing height of column to 11.2m when due will meet compliance	3
15	Railway Rd	V3								\$ -	L12015 is stagger with L12018 spreadsheet doesn't show this hence do nothing.	3
									TOTAL	\$ 114,500.00		

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AREA 6												
28	Featherson St	V2	4			2	\$6,000	4	\$3,500	\$ 26,000.00	L5160 within 2m of 10% concession. L5157 4th span in a row using 10% concession. Alternative for these two additional concessions is replace 2 with 3 i.e 2 relocates 1 new. L5140 3rd span of 10% concession. Considered an additional concession or replace 2 with 3 i.e 2 relocates 1 new. L5009 is located between L5010 - L5012.	3
29	Vogel St	V3	4					4	\$3,500	\$ 14,000.00	Either relocate column L5021 OR L5022. Relocate L5070 towards L5071. Relocate L5058 towards L5059. Relocate L5056 towards L5057	2
30	Upper Main St	V3	1					1	\$3,500	\$ 3,500.00	L11451 3rd span using 10% concession increase mounting height on L11451	3
31	Napier Rd	V2	1							\$ -	Last span leaving speed restriction.	3
32	Main St East	V2	2							\$ -	Last span distance indicated is incorrect. There appears to be a light missing between L4670 & L7176.	3
33	Tremaine Ave	V2	18	25	\$7,300	3	\$6,000	4	\$3,500	\$ 214,500.00	Excessive spacing L5180-L4981 redesign required (allow 10 becomes 15). L4979, L11401 relocated 2 new. L4973 & L4972 relocated add new between. Excessive stagger spacing between L1815-L8266 - REDESIGN in this area required (allow 8 becomes 10). L1820 not shown on spreadsheet but is between L8266 - L8254	1
TOTAL										\$ 258,000.00		
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AREA 7												
34	College St	V3	6							\$ -	Height amended checked wattage and optic for less non-compliance	3
35	Long Melford Rd	V3	1							\$ -	Can't move far because of driveways, L1984 within 2m of 10% concession.	3
36	Pitama Rd	V3	2					1	\$3,500	\$ 3,500.00	Move L9768 or L2049	3
37	Rugby St	V3	1							\$ -	Modified wattage and optic	3
38	Ferguson St	V3	1							\$ -	Within 2m of 10% concession	3
39	Botanical Rd	V3	8			1	\$6,000	2	\$3,500	\$ 13,000.00	Consider longer outreach for columns that are set back (check RAMM data). Checked wattage optic and tilt, add additional light between L11489-L10168	2
TOTAL										\$ 16,500.00		

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AREA 8												
40	Park Rd	V3	5			5	\$6,000			\$ 30,000.00	Increased wattage to reduce using 10% concession, because of large setback additional columns need to be on other side of the road, L1297 exceeds 10% concession but is within 2m of doing so.	2
41	Fitzherbert Ave	V1	14			3	\$6,000	1	\$3,500	\$ 21,500.00	Relocate L10338 & add 2 new, L10342 & L4060 are associated with an intersection, L4056 1 additional opposite, because stagger has changed over the years it is really a double opposite L4051, L4050, L4075 relocate 18m towards L11648, single sided installation does not work L4046, L4077, L4080, L4033, L4035, L8473, L4041 within 2m of 10% concession, L2948, L9782, L4009 associated with intersection, relocate L4083, L8477 to even spacing,	2
42	College St	V3	6			2	\$6,000	3	\$3,500	\$ 22,500.00	Between L4327-L4323 add extra light to reduce spacing to around 43m. Add extra light between L4323 and L4322. Relocate L4319 & add 1 new, L10610, L4138 are within 2m of 10% concession.	2
43	Ferguson St	V3	15			15	\$6,000			\$ 90,000.00	Changed wattage L7026,L7027, L8492, lights L4610-L6011 will become compliant if or when existing columns replaced with 11.7m columns	3
44	Linton St	V3	1							\$ -	Span is within 2m of 10% concession	3
45	Church St	V4(10)& V3(40)	16			14	\$6,000	2	\$3,500	\$ 91,000.00	L6974, L4164, L10124 part of intersection lighting, L9012 within 2m of 10% concession. L9979 missing from data base, side of road indication for some lights incorrect on data base, because of wide area (parking) columns need to be 12.2m high to achieve 34m spacing anything longer requires relocate and additional lights, single sided doesn't work, specific design or illuminance calculation required.	1
46	West St	V2	8			8	\$6,000			\$ 48,000.00	If all columns are replaced with 11.2m can reuse proposed lights for compliance.	3
47	Pitt St	V3	6			6	\$6,000			\$ 36,000.00	Reuse proposed lights on new 11.2m columns compliance achieved, L9366 & L9364 can be consider stagger installation because additional supplementary light has been added.	2
48	Cook St East	V3	25			25	\$6,000			\$ 150,000.00	If new columns at 11.2m can reuse existing lights for compliance.	2
									TOTAL	\$ 489,000.00		

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AREA 9												


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AREA 10												
49	Franklin Ave	V4	5							\$ -	Only the intersection is cat V hence specific illuminance calculation required.	1
50	Ascot St	V3	2							\$ -	Only the intersection is cat V hence specific illuminance calculation required.	1
51	Winston Ave	V4	2							\$ -	Only the intersection is cat V hence specific illuminance calculation required.	1
52	Churchill Ave	V4	3							\$ -	similar to Franklin, Ascot & Winstone. A lot of lights been changed under cat P therefor whole street is not cat V4. Gut feel is proposed lights should provide required illuminance	1
53	Ruahine St	V3	2							\$ -	L10041 & L10040 associated with roundabout with Church St. L3054 missing from data base 52m from L3028 & 24m from L3029?	3
54	Albert St	V2(28) & V3(46)	11			6	\$6,000	6	\$3,500	\$ 57,000.00	L3233, L3234, L3238 single sided doesn't work on wide road respase and or add, higher columns will also help. L3257, L3259, L3260 - move 2 add 1 new because of spacing. L3267, L3269, L3268, L3270 relocate 4 add 1. Add 1 new between L3323 & L3324. L3006 within 2m of 10% concession.	2
55	Fitzroy St	V3	3					3	\$3,500	\$ 10,500.00	L3475 within 2m of 10% concession. Relocate L3490 10m closer to L3489. Relocate L3494 10m closer to L3493. Relocate L3512 6m closer to L3513.	2
56	Church St East	V3	3							\$ -	L4700, L4692 associated with Church/Ruahine roundabout. L4696 associated with Fitzroy intersection.	3
57	Ferguson St	V3	4			1	\$6,000	1	\$3,500	\$ 9,500.00	NC spacing because of driveways, stub columns expensive to change. L7218 similar but could move L7219 15m solve the issue? Replace column L3495 with higher column to reduce non-compliance.	2
TOTAL										\$ 77,000.00		



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AREA 11												

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AREA 12												
58	Kelvin Grove Rd	V2	10			5	\$6,000	4	\$3,500	\$ 44,000.00	Not sure where L8171 is located? Add new column between L8047-L8153, relocate L8046 add 1 new, L8044 - L8040 3 relocated 3 new, L11431-L9436 3rd span using 10% concession.	2
59	Schnell Dr	V4								\$ -	Lights out of sequence on spreadsheet	3
60	Fernlea Ave	V4	1			1	\$6,000	1	\$3,500	\$ 9,500.00	L2928 relocated 1 new add	2
61	Roberts Ln	V2								\$ -	lights on o/h mid span not included	3
62	McLeavey Dr	V2	3			1	\$6,000	2	\$3,500	\$ 13,000.00	1 new between L8139-L9447, L9460 relocated, L9974 relocated.	2
63	Kaimanawa St	V3	1						\$3,500	\$ 3,500.00	L8840 relocated.	2
64	Mihaere Dr	V3	2			1	\$6,000			\$ 6,000.00	1 new between L11449-L8411	2
			379	190		153		49	TOTAL	\$ 76,000.00		

18	Priority 1
23	Priority 2
23	Priority 3
64	Total

KEY

 Indicates a change in street category classification

  Indicates consideration could be given to a redesign 18 roads in total but one road may continue over more than one zone

"V" CATEGORY TOTAL	\$ 2,471,500.00
PRIORITY RATING 1 TOTAL	\$ 1,730,500.00
PRIORITY RATING 2 TOTAL	\$ 559,500.00
PRIORITY RATING 3 TOTAL	\$ 181,500.00
	\$ 2,471,500.00