

# MINUTES ATTACHMENTS AUDIT AND RISK COMMITTEE

# 9AM, MONDAY 20 NOVEMBER 2017

COUNCIL CHAMBER, FIRST FLOOR, CIVIC ADMINISTRATION BUILDING
32 THE SQUARE, PALMERSTON NORTH



14

### PALMERSTON NORTH CITY COUNCIL

# **AUDIT AND RISK COMMITTEE MEETING**

# 20 November 2017

6	LED S	Street Lighting Compliance Review	
	1.	LED Street Lighting "P" Category	5

2. LED Street Lighting "V" Category

## 'P" CATEGORY LED STREET LIGHTING

				CITY	STON NORTH COUNCIL							
											PALM	MERSTON NORTH CIT
EGORY LED	STREET LIGHTING											
EA 1												
						Proposed Solution						
+ NIC	Command District	000 6		6	Cost of Greenfields	No. of new columns & new	Cost new column &	No. of relocated columns	Cost of relocation	Estimate Cost \$	Comments	Priority
t No.	Street Name	"P" Category	Present No. of Lights	Green Field	Upgradle	lights	light	reuse light	Cost or relocation	<b>公司的第三人称单数的</b>	Comments	rating
1	Ajax Pl	P4	2			1	\$5,500	1	\$3,500	\$ 9,000.00	1 new and 1 relocated	2
2	Ashton Pl	P4	2			1	\$5,500	1	\$3,500	\$ 9,000.00	1 new and 1 relocated	2
3	Baton Pl	P4	2			1	\$5,500	1	\$3,500	\$ 9,000.00	1 new and 1 relocated	2
	Bruce Pl	P4	1			1	\$5,500		\$3,500	\$ 5,500.00	1 new	2
	Cedar Gr	P4	2			2	\$5,500		\$3,500	\$ 11,000.00	add 2 new	2
	Chadwick Pl	P4	3			2	\$5,500	1	\$3,500	\$ 14,500.00	2 new and 1 relocated	2
3	Charwell Pl	P4	2			1	\$5,500		\$3,500	\$ 5,500.00	1 new	2
3	Chatsworth PI	P3	7			4	\$5,500	2	\$3,500	\$ 29,000.00	Redesign 4 new 2 relocate	2
-	Chelmarsh Pl East	P4	2			2	\$5,500		\$3,500	\$ 11,000.00	2 new	3
1	Chelmarsh Pl	P4	2				\$5,500	1	\$3,500 \$3,500	\$ 36,500.00	Redesign 6 new 1 relocate	1
	Chippendale Cres	P3	7			6	\$5,500	1	\$3,500	\$ 30,300.00	Nothing reqd cat V	3
	No.10 Clarke Ave Cobb Pl	P3 P4	1 (L1632)	-		1	\$5,500 \$5,500		\$3,500	\$ 5,500.00	1 new	2
1	Dalfield Pl	P3	3			2	\$5,500		\$3,500	\$ 11,000.00	2 new	2
_	Dalwood Gr	P4	2			1	\$5,500	1	\$3,500	\$ 9,000.00	1 new and 1 relocated	2
	Drayton Pl	P4	1			1	\$5,500	-	\$3,500	\$ 5,500.00	1 new	2
	Ellesmere Cres	P3	3		- Harten and the state of the s	4	\$5,500	3	\$3,500	\$ 32,500.00	Redesign 4 new 3 relocate	1
	Gainsborough Gr	P4	1	<b></b>		1	\$5,500	1	\$3,500	\$ 9,000.00	1 new and 1 relocated	2
	Halswell Cres	P4	3			3	\$5,500	2	\$3,500	\$ 23,500.00	3 new 2 relocate	2
	Havelock Ave	P3	11			5	\$5,500	6	\$3,500	\$ 48,500.00	Redesign 5 new 6 relocate	1
	Jackson Ave	P4	2			1	\$5,500	2	\$3,500	\$ 12,500.00	1 new 2 relocate	2
	Jones Pl	P4	1			1	\$5,500		\$3,500	\$ 5,500.00	1 new	2
	Kupe Pl	P4	1			1	\$5,500		\$3,500	\$ 5,500.00	1 new	2
	Lancaster St	P3	2			1	\$5,500	2	\$3,500	\$ 12,500.00	1 new 2 relocate	2
	MacEwen Pl	P4							40	\$ -	Nothing reqd cat V on Highbury	3
	Marybank Mews	P4	2			2	\$5,500		\$3,500	\$ 11,000.00	2 new	3
	Monowai Pl	P4	1			1	\$5,500		\$3,500	\$ 5,500.00	1 new 2 new 1 relocate	2
	Otaki Pl	P4	1			2	\$5,500	1	\$3,500	\$ 14,500.00 \$ 12,500.00	1 new 2 relocate	2
	Pembroke St	P3	· 2 (L1634 & L6194)			1	\$5,500	2	\$3,500 \$3,500	\$ 12,500.00	4 new 2 relocate	1
	Pencarrow St Sefton Ave	P3	5			4	\$5,500 \$5,500	2	\$3,500	\$ 25,000.00	1 new 2 relocate	2
	Sheraton Gr	P4 P4	1			1 1	\$5,500		\$3,500	\$ 5,500.00	1 new	2
	Tui Pl	P4	2	-		1	\$5,500		\$3,500	\$ -	walkway	3
	TMULL	1.4								1		
	Turakina St	P3	2			1	\$5,500	1	\$3,500	\$ 9,000.00	1 new 1 relocate	2

						Proposed Solution		The state of the s				_
Street No.	Street Name	"P" Category	Present No. of Lights	Green Field	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
AREA 2												
35	Admiral Pl	P4				0				\$ -	No action required will be ok when cat v first light installed	3
36	Bendigo St	Р3	3		1	1	\$5,500	2	\$3,500	\$ 12,500.00	Non compliant respace required 3 becomes 4.	1
37	Bennett St	P2	3	6	\$6,800		\$5,500			\$ 40,800.00	Because this is an extension of V3 it should be redesigned to V4 or P2.	1
38	Cecil Pl	Р3	1			2	\$5,500	2	\$3,500	\$ 18,000.00	Lots of trees, do nothing or 2 becomes 4	2
39	Downing St	P3	1			2	\$5,500			\$ 11,000.00	2 new additional because of spacing	2
40	Drury St	P3	3			1	\$5,500	2	\$3,500	\$ 12,500.00	3 becomes 4	2
41	Geraldine Cres	P3	5			1	\$5,500	3	\$3,500	\$ 16,000.00	4 becomes 5	1
42	Henley Ct	P3	1			1	\$5,500			\$ 5,500.00	1 new additional light / column	2
43	Herbert Ave	P3	6			2	\$5,500	4	\$3,500	\$ 25,000.00	6 becomes 8 respace to gain compliance	1
44	Hinau Pl	P4	1			1	\$5,500	1	\$3,500	\$ 9,000.00	1 becomes 2	2
45	Kimberley Gr	P4	1			1	\$5,500	1	\$3,500	\$ 9,000.00	1 becomes 2. 1 new 1 relocate	2
46	Leslie Ave	P3	2			1	\$5,500	2	\$3,500	\$ 12,500.00	2 becomes 3. 1 new 2 relocate	1
47	Meadowbrook Dr	P3	5			2	\$5,500	3	\$3,500	\$ 21,500.00	4 becomes 5. 3 relocates 2 new	1
48	Raglan Ave	P3	6	^		2	\$5,500	3	\$3,500	\$ 21,500.00	6 becomes 8 respace to gain compliance. 3 relocates, 2 new respace	1
49	Rosedale Cr	P3	5			2	\$5,500	2	\$3,500	\$ 18,000.00	3 becomes 4. 2 relocates 2 new	1
50	Shetland Pl	P4	1			1	\$5,500	The second secon		\$ 5,500.00		2
51	Sutherland Cr	P3	9		NEED TO BE A PROPERTY.	4	\$5,500	4	\$3,500	\$ 36,000.00	9 becomes 13. 4 new 4 relocate	1
52	Tiki Pl	P4	1			1	\$5,500	2	\$3,500	\$ 12,500.00		2
53	Waltham Ct	P4	1			1	\$5,500	1	\$3,500	\$ 9,000.00		_ 2
54	Waterford Pl	P4	1			1	\$5,500			\$ 5,500.00		2
									TOTAL	\$ 301,300.00		1



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											PALME	ERSTON N	NORTH CITY COUNCIL
Street No.	Street Name	"P" Category	Propositive of Ligh	Erono Fiel	Cost of Greenfields	Proposed Solution No. of new columns & new	Cost new column &		Cost of relocation	Estimate Cost \$	Comments	Priority	
AREA 3	Sheardane	F Catagon	y Present No. of Lights	\$ Greenman	d Upgrade	lights	light	reuse light				rating	
55	Abraham Cr	P3	4	11		3	\$5,500	5	1-7-	\$ 34,000.00	6 becomes 8. Redesign required.	1	
56 57	Apollo Pde	P3	14	15	\$6,800	1	\$5,500	3	\$3,500	\$ 102,000.00 \$ 16,000.00	Redesign required 4 becomes 5	1 1	
58	Aspiring Ave Catlins Cr	P3	3	-		2	\$5,500	4	\$3,500	\$ 25,000.00	4 becomes 6	1	
59	Cohen Pl	P4	1	+		1	\$5,500	7		\$ 5,500.00	Cul de sac 1 new	2	
60	Denver Pl	P4	1			1	\$5,500	,		\$ 5,500.00	Cul de sac 1 new	2	
61	Dunk Pl	P4	1			1	\$5,500	2	1.7	\$ 12,500.00	2 becomes 3	2	
62	Flygers Line	P3	3		45.000	1	\$5,500	1	\$3,500	\$ 9,000.00 \$ 54,400.00	1 becomes 2  Redesign required	- 1	
63 64	Gemini Ave Holdsworth Ave	P3 P3	8 7	7	\$6,800 \$6,800		<u> </u>	+'	+	\$ 34,400.00	Redesign required	1	
65	Hunter St	P3	1	+ ' +	Ş0,000	1	\$5,500			\$ 5,500.00	1 new additional	2	
66	Jasper Pl	P3	6	+		2	\$5,500	3	40,000	\$ 21,500.00	3 becomes 5	1	
67	Jupiter St	P3	5	5		3	\$5,500	2	\$3,500	\$ 23,500.00	3 new & 2 relocate	1	
68	Kaituna St	P3	4			2	\$5,500	3	\$3,500	\$ 21,500.00	4 becomes 6	2	
69 70	Langley Ave	P3	9	9	\$6,800	3	Ć5 E00	<del></del>	<del></del>	\$ 61,200.00 \$ 11,000.00	Redesign required  1 becomes 3	2	
70 71	Moa St Moyne Ave	P4 P3	1 6	+	1	2	\$5,500 \$5,500	3		\$ 16,000.00	3 becomes 4	2 2	
72	Palliser Pl	P3	4	+		1 1	\$5,500	1	\$3,500	\$ 9,000.00	1 becomes 2	2	
73	Paradise Pl	P3	2	+	1	1	\$5,500	1	\$3,500	\$ 9,000.00	1 becomes 2	2	
74	Papawai Pl	P4	1			1	\$5,500			\$ 5,500.00	1 new additional	2	
75	Pinedale Pde	P3	6		ſ	3	\$5,500	3	\$3,500	\$ 27,000.00	3 becomes 6	2	
76	Pluto Pl	P4	1		1	1	\$5,500	,	<u> </u>	\$ 5,500.00	1 new additional	2 2	
77	Pukatea Pl	P4	1	$\longrightarrow$	4	1	\$5,500	4	\$3,500	\$ 5,500.00 \$ 25,000.00	1 new additional 4 becomes 6	- 2	
78 79	Rennie Ave Saturn Cr	P3	8	++	·	2 1	\$5,500 \$5,500	2	\$3,500	\$ 25,000.00	2 becomes 3	2	
80	Terry Cres	P3	5	++		3	\$5,500	4	\$3,500	\$ 30,500.00	4 becomes 7	2	
81	Venus Way	P3	1	+	(	1	\$5,500	'		\$ 5,500.00	1 new additional	1	
						Proposed Solution			TOTAL	\$ 606,700.00			
68566555					Cost of Greenfields	No. of new columns & new	Cost new column &	No. of relocated columns			Community	Priority	
Street No.	Street Name	"P" Category	Present No. of Lights	ts Green Field	Upgrade	lights	light	reuse light	Cost of relocation	Estimate Cost \$	Comments	rating	
AREA 4					(						4		
82	Aberdeen Ave	P3	5		\$6,800	2	\$5,500	3	40,000	\$ 21,500.00	2 new 3 relocate	1	
83	Argyle Ave	P3	3	$\perp$	\$6,800	1	\$5,500	2	+-/	\$ 12,500.00 \$ 9,000.00	1 new 2 relocate 1 new 1 relocate	2 2	
84	Aroha St	P3	1 7		\$6,800	1 3	\$5,500 \$5,500	1 4	\$3,500 \$3,500	\$ 9,000.00 \$ 30,500.00		1	
85 86	Beresford St Birmingham St	P3	7	+	\$6,800 \$6,800	3	\$5,500 \$5,500	+	\$3,500	\$ 30,500.00	Do nothing part of an intersection	3	
87	Brett Pl	P4	1	+	\$6,800	1	\$5,500		\$3,500	\$ 5,500.00	1 new	2	
88	Bryant St	P3		+	\$6,800		\$5,500	'	\$3,500	\$ -	Do nothing Cat V on intersection	3	
89	Chelwood St	P3			\$6,800	1	\$5,500		\$3,500	\$ -	Do nothing Cat V on intersection	3	
90	Clausen St	P3	2		\$6,800	1	\$5,500	2	\$3,500	\$ 12,500.00		2	
91	Forbury Ave	P3	6		\$6,800	2	\$5,500	2	\$3,500	\$ 18,000.00 \$ 40,800.00	2 new 2 relocate  Redesign reqd 2 new 4 relocate	1	
92	Guy Ave	P3	8	6	\$6,800	<del>  '</del>	\$5,500	+'	\$3,500 \$3,500	\$ 40,800.00		1	
93 94	Havill St Hobson Pl	P3 P4	6	9	\$6,800 \$6,800	<del>                                     </del>	\$5,500 \$5,500	<del>                                     </del>	\$3,500	\$ 61,200.00	Do nothing cul-de-sac	3	
95	Matipo St	P4 P4	1	++	\$6,800	1	\$5,500	1	\$3,500	\$ 9,000.00		2	
96	Richmond Ave	P3	5	+	\$6,800	3	\$5,500	2	\$3,500	\$ 23,500.00	3 new 2 relocate	1	
97	Seddon St	P3	1		\$6,800	1	\$5,500	1	\$3,500	\$ 9,000.00		2	
98	Shamrock St	P3			\$6,800		\$5,500	<del></del>	\$3,500 TOTAL	\$ - 253,000.00	Do nothing Cat V on intersection	3	
		<u></u>				Proposed Solution			101112	¥			
treet No.	Street Name	"P" Category	Present No. of Lights	s Green Field	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	
AREA 5											+	-	
99	Albert St	P3							43.500	\$ - \$ 11,000,00	Do nothing Cat V on intersection	3 2	
100	Carow St	P4	1			2	\$5,500	<del></del>	\$3,500	\$ 11,000.00		2	
101	Fitchett St	P4	1	++		1 1	\$5,500 \$5,500		\$3,500 \$3,500	\$ 5,500.00 \$ 5,500.00		2	
102	Marama Cr Martin St	P4	1 4	6	\$6,800	1	\$5,500	ACCORDING TO A TOTAL OF STREET	\$3,500	\$ 5,500.00		1	
103	Russell St (Featherston to Grey)	P3	3	0	0,000	1	\$5,500	2	\$3,500	\$ 12,500.00	1 new 2 relocate	2	
105	Stanley Ave	P3	·				7-7-		\$3,500	\$ -	Do nothing Cat V on intersection	2	
106	Tawa St	P4	· · · · · · · · · · · · · · · · · · ·			'	,		\$3,500	\$	Another new is over designed - do nothing	3	
		+	·'	+		<del> </del>	<del></del>	<del></del>		\$ 75,300.00		+	
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											PALME	ERSTON NORTH CITY
						Proposed Solution						
treet No.	Street Name	"P" Category	Present No. of Lights	Crood Field	Cost of Greanfields	No. of new columns & new	Cost new column &	No. of relocated columns	Cost of relocation	Estimate Cost \$	Comments	Priority
	Stielet Maivie.	b caregory	Presentino, or agrica	Quantilate	Upgrade	lights	light	reuse light	GOSCOMOGOS			rating
AREA 6									40.500		Considered als	2
107	Andrew Ave	P3					\$5,500		\$3,500	\$ -	Considered ok	3
108	Battersea Pl	P4	4			2	\$5,500	1	\$3,500	\$ 14,500.00	2 new 1 relocate  Mistake looks ok	3
109	Clyde Cr	P3					\$5,500		\$3,500 \$3,500	\$ -		
									1 53 500			
110	Freyberg St	P3					\$5,500			\$ -	Do nothing Cat V on intersection	3
110 111	Kauri St	P4					\$5,500		\$3,500	\$ -	Do nothing Cat V on intersection	3
110										\$ -	Do nothing Cat V on intersection Do nothing Cat V on intersection	
110 111 112	Kauri St Koromiko Ave	P4 P3					\$5,500 \$5,500		\$3,500 \$3,500	\$ -	Do nothing Cat V on intersection  Do nothing Cat V on intersection  Do nothing not really a street more	3
110 111	Kauri St	P4					\$5,500		\$3,500	\$ -	Do nothing Cat V on intersection  Do nothing Cat V on intersection  Do nothing not really a street more daytime parking area.	3 3
110 111 112 113	Kauri St Koromiko Ave Landsdown Ct	P4 P3 P4	1			1	\$5,500 \$5,500 \$5,500		\$3,500 \$3,500	\$ -	Do nothing Cat V on intersection Do nothing Cat V on intersection Do nothing not really a street more daytime parking area.  1 new, higher priority because near an	3 3
110 111 112 113 114	Kauri St Koromiko Ave Landsdown Ct Milton St	P4 P3 P4	1			1	\$5,500 \$5,500 \$5,500 \$5,500		\$3,500 \$3,500 \$3,500 \$3,500	\$ - \$ - \$ - \$ 5,500.00	Do nothing Cat V on intersection Do nothing Cat V on intersection Do nothing not really a street more daytime parking area.  1 new, higher priority because near an intersection	3 3 3
110 111 112 113	Kauri St Koromiko Ave Landsdown Ct	P4 P3 P4	1			1	\$5,500 \$5,500 \$5,500		\$3,500 \$3,500 \$3,500 \$3,500 \$3,500	\$ -	Do nothing Cat V on intersection Do nothing Cat V on intersection Do nothing not really a street more daytime parking area.  1 new, higher priority because near an intersection Do nothing not in line of sight	3 3 3 1
110 111 112 113 114 115	Kauri St Koromiko Ave Landsdown Ct Milton St	P4 P3 P4	1			1	\$5,500 \$5,500 \$5,500 \$5,500		\$3,500 \$3,500 \$3,500 \$3,500	\$ - \$ - \$ - \$ 5,500.00	Do nothing Cat V on intersection Do nothing Cat V on intersection Do nothing not really a street more daytime parking area.  1 new, higher priority because near an intersection Do nothing not in line of sight Do nothing mistake on database L11251	3 3 3
110 111 112 113 114 115 116	Kauri St Koromiko Ave Landsdown Ct Milton St Plymouth St Rangiora Ave	P4 P3 P4 P3 P4 P3					\$5,500 \$5,500 \$5,500 \$5,500 \$5,500		\$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500	\$ - \$ - \$ 5,500.00 \$ - \$ -	Do nothing Cat V on intersection Do nothing Cat V on intersection Do nothing not really a street more daytime parking area.  1 new, higher priority because near an intersection Do nothing not in line of sight Do nothing mistake on database L11251 between lights	3 3 3 1 3 3
110 111 112 113 114 115 116	Kauri St Koromiko Ave Landsdown Ct Milton St Plymouth St Rangiora Ave Weber Pl	P4 P3 P4 P3 P4 P3 P4 P3 P4	1			1	\$5,500 \$5,500 \$5,500 \$5,500 \$5,500 \$5,500 \$5,500		\$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500	\$ - \$ - \$ 5,500.00 \$ - \$ 5,500.00	Do nothing Cat V on intersection Do nothing Cat V on intersection Do nothing not really a street more daytime parking area.  1 new, higher priority because near an intersection Do nothing not in line of sight Do nothing mistake on database L11251 between lights 1 new	3 3 3 1 3 3 2
110 111 112 113 114 115 116	Kauri St Koromiko Ave Landsdown Ct Milton St Plymouth St Rangiora Ave	P4 P3 P4 P3 P4 P3					\$5,500 \$5,500 \$5,500 \$5,500 \$5,500		\$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500	\$ - \$ - \$ 5,500.00 \$ - \$ 5,500.00 \$ 5,500.00	Do nothing Cat V on intersection Do nothing Cat V on intersection Do nothing not really a street more daytime parking area.  1 new, higher priority because near an intersection Do nothing not in line of sight Do nothing mistake on database L11251 between lights	3 3 3 1 3 3
110 111 112 113 114 115 116 117	Kauri St Koromiko Ave Landsdown Ct Milton St Plymouth St Rangiora Ave Weber Pl	P4 P3 P4 P3 P4 P3 P4 P3 P4	1			1 1	\$5,500 \$5,500 \$5,500 \$5,500 \$5,500 \$5,500 \$5,500		\$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500	\$ - \$ - \$ 5,500.00 \$ - \$ 5,500.00 \$ 5,500.00	Do nothing Cat V on intersection Do nothing Cat V on intersection Do nothing not really a street more daytime parking area.  1 new, higher priority because near an intersection Do nothing not in line of sight Do nothing mistake on database L11251 between lights 1 new	3 3 3 1 3 3 2
110 111 112 113 114 115 116	Kauri St Koromiko Ave Landsdown Ct Milton St Plymouth St Rangiora Ave Weber Pl	P4 P3 P4 P3 P4 P3 P4 P3 P4 P4 P4 P4	1		Cost of Greenfields	1	\$5,500 \$5,500 \$5,500 \$5,500 \$5,500 \$5,500 \$5,500 \$5,500	No, of relocated columns	\$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500	\$ - \$ - \$ 5,500.00 \$ - \$ 5,500.00 \$ 5,500.00 \$ 31,000.00	Do nothing Cat V on intersection Do nothing Cat V on intersection Do nothing not really a street more daytime parking area.  1 new, higher priority because near an intersection Do nothing not in line of sight Do nothing mistake on database L11251 between lights 1 new	3 3 3 1 3 3 2

						Proposed Solution						
Street No.	Street Name	"P" Category	Present No. of Lights	Croon Field	Cost of Greenfields	No. of new columns & new	Cost new column &	No. of relocated columns	Cost of relocation	Estimate Cost \$	Comments	Priority
Street No.	Street Name	P Category	Present No. of Lights	Green Held	Upgrade	lights	light	reuse light	C031 0,767334107			rating
AREA 7												+
119	Adrien Way	P4	1			1	\$5,500	1	\$3,500	\$ 9,000.00	1 new 1 relocate	2
120	Aintree Cr	P4	3			4	\$5,500	1	\$3,500	\$ 25,500.00	4 new 1 relocate	1
121	Alexander St	P3	8			2	\$5,500	3	\$3,500	\$ 21,500.00	2 new 3 relocate	1
122	Anaru Pl	P4	2			1	\$5,500	1	\$3,500	\$ 9,000.00	1 new 1 relocate	2
123	Anzio Pl	P4					\$5,500		\$3,500	\$ -	ok	3
124	Benbow Pl	P4	1			1	\$5,500	1	\$3,500	\$ 9,000.00	1 new 1 relocate	2
125	Busby Pl	P4					\$5,500		\$3,500	\$ -	Do nothing Cat V on intersection	3
126	Capri Pl	P4	2			1	\$5,500	2	\$3,500	\$ 12,500.00	1 new 2 relocate	3
127	Carbine Ct	P4	1			1	\$5,500		\$3,500	\$ 5,500.00	1 new	2
128	Cardiff St	P3	1				\$5,500		\$3,500	\$ -	Do nothing Cat V on intersection	3
129	Caulfield Pl	P4	3			2	\$5,500	1	\$3,500	\$ 14,500.00	2 new 1 relocate	2
130	Cavendish Cr	P3	2			2	\$5,500	2	\$3,500	\$ 18,000.00	2 new 2 relocate	2
131	Coronet PI	P4	1			1	\$5,500	1	\$3,500	\$ 9,000.00	1 new 1 relocate	2
132	Dampier Ave	P4				1	\$5,500		\$3,500	\$ 5,500.00	1 new	2
133	Drake St	P4				2	\$5,500	2	\$3,500	\$ 18,000.00	2 new 2 relocate	2
134	Dittmer Dr	P3	13		,	2	\$5,500	4	\$3,500	\$ 25,000.00	2 new 4 relocate	1
135	Frimley St	P3	3			2	\$5,500	2	\$3,500	\$ 18,000.00	2 new 4 relocate	1
136	Grant Pl	P4	1			1	\$5,500		\$3,500	\$ 5,500.00	1 new	2
137	Haast PL	P4	4			4	\$5,500	2	\$3,500	\$ 29,000.00	4 new 2 relocate	2
138	Hartley Pl	P4	-				\$5,500		\$3,500	\$ -	Do nothing Cat V on intersection	3
139	Heath Pl	P4	1			1	\$5,500		\$3,500	\$ 5,500.00	1 new	2
140	Kentucky Way	P3	8			3	\$5,500	3	\$3,500	\$ 27,000.00	3 new 3 relocate	1
141	Miles Pl	P4	0				\$5,500		\$3,500	\$ -	ok	3
142	Nottingham Ave	P3	8			3	\$5,500	4	\$3,500	\$ 30,500.00	3 new 4 relocate	1
143	Oban Pl	P4	-			1	\$5,500		\$3,500	\$ 5,500.00	1 new	2
144	Otira Pl	P4	1			1	\$5,500		\$3,500	\$ 5,500.00	1 new	2
145	Panako Pl	P4	1			2	\$5,500	2	\$3,500	\$ 18,000.00	2 new 2 relocate	1
146	Paul Pl	P4	1			1	\$5,500		\$3,500	\$ 5,500.00	1 new	2
147	Racecourse Rd	P3	6	12	\$6,800	-	\$5,500		\$3,500	\$ 81,600.00	Redesign change to Cat v status	1
148	Rakino Pl	P4	1	12	70,000		\$5,500	1	\$3,500	\$ 3,500.00	1 relocate	2
149	Raleigh St	P4	1			1	\$5,500	1	\$3,500	\$ 9,000.00	1 new 1 relocate	2
150	Sharon Pl	P4	1			1	\$5,500		\$3,500	\$ 5,500.00	1 new	2
151	Squires Pl	P4	2			<u> </u>	\$5,500	1	\$3,500	\$ 3,500.00	1 relocate	2
152	Truscott Gr	P4					\$5,500		\$3,500	\$ -	ok	3
153	Wainui Ct	P4				4	\$4,700		\$3,500	\$ 18,800.00	4 been missed luminaires only	112
154	Walnut Ct Wakefield St	P4 P4	2			4	\$5,500		\$3,500	\$ -	ok	3
155	Wikiriwhi Cr	P3					\$5,500		\$3,500	\$ -	mistake on spreadsheet	2
156	Wyndham St	P3 P4	4			2	\$5,500	1	\$3,500	\$ 14,500.00	2 new 1 relocate	2
130	vv yriuriairi St	P4	4				33,300	<u> </u>	TOTAL	\$ 468,400.00		





PALMERSTON NORTH CITY COUNCY   PALMERSTON NORTH CITY COUNCY					PALMERSTO CITY CO	ON NORTH								<b>H</b>
						JOHONE -						_		
												P	ALMERS	ATTACHMENT
														<del>5</del>
Company   Comp	Stroot No.	Curren Nova		61(2)	E I	Cost of Greenfields			No, of relocated columns	Cost of relocation	Februario Ford S	Comments		AT
10		PAGENTARMS	b., cattekork	Present No. or Lights	द्वातका अवा					(2000) (1100)	ESTRIBUTES		rating	9
Part	157	Chester Cr	P4	1				!				action required.	1	
March   Marc													-	ITEM
Accordance   10	160	Just Pl	P4	1									-	<u> </u>
All   Manufact   Fig.   1					+		1	\$5,500			\$ 5,500.00		4 -	
Second Continues   Second Cont	163										\$ -	· · · · · · · · · · · · · · · · · · ·	3	
10		Nathan Pl	P3	1			2					2 new additional lights	⊣ .	
March   Section   Fig.   Fig					+	<u></u>	1	\$5,500	1	\$3,500	\$ 9,000.00		1	
Property   Property						<del> </del>	<u> </u>	<u> </u>			\$ -			
	167	Townshend Pl	P4	1 '	+		1	\$5,500		TOTAL		1 new additional		
						6 1 16 6 11			No. of relocated splemes				Priority	
148		Street Name	"P" Category	Present No. of Lights	Green Field					Cost of relocation	Estimate Cost \$	Comments		
195		Collingwood St	P3								\$ -		3	
170	169	Dahlia St	P3								\$ -	Reconsider after cat V, first light is installed	3	
172	170	Elmira Ave	Р3								\$ -	Reconsider after cat V, first light is installed	3	
172   Means R	171	Hardie St	P3								\$ -	installed. Light L3771 doesn't appear to	3	
1373	172	Moana St	P3	1	<del></del>		1	\$5,500	2	\$3,500	\$ 12,500.00	2 becomes 3	2	
174	173	Ranfurly St				,	1	\$5,500	2	\$3,500	\$ 12,500.00		2	
175   Seaton Ct	174	Rolleston St	P3	1			1	\$5,500	2	\$3,500	\$ 12,500.00	3 becomes 4. Trees and wide street.	2	
Proposed Solution   Prop	175	Seaton Ct	P4	1			1	\$5,500	1	\$3,500	\$ 9,000.00		2	
Street House   Stre	176	Tasman Pl	P4	1			1	\$5,500		TOTAL		add 1 new to bowl of cul-de-sac.	2	
Street No.   P. Gregory   Present No. of lights   Green Flad   Systock   Street No. of lights   Green Flad   Systock   Street No. of lights   Green Flad   Systock   Street No. of lights   Street No. of li										TOTAL	ÿ 52,000.00			
AREA 10	Street No.	Street Name	"P" Category	Present No. of Lights	Green Field					Cost of relocation	Estimate Cost \$	Comments		
178						op <sub>a</sub> , ade					Å	Add 1 many mild spop	,	
179		,			1									
181					1			1 10	2	\$3.500				
181					Coden 17	<b>医科尔曼斯基里</b> 尔				Post 1002 7 2			1	
183   Newcastle St   P3   2     1     5,5,500       5   5,500.00     add 1 new mid span   2     1   1   1   1     1   1   1   1	181	Manson St	P3	2							\$ -	to unusual wide bowl in road reserve		
184   Patea Pl   P4   2   1   1   55,500   5   5,500.00   add 1 new mid span   2					$\overline{\Box}$				2	\$3,500			-	
186   Waterloo Cr											\$ 5,500.00	add 1 new mid span	2	
Street No.   Street Name									2	\$3,500				
Street No.   Street Name   "P" Category   Present No. of Lights   Green Field   Cost of Greenfields   Upgrade   Up	200	Waterloo et								TOTAL				
AREA 11   Upgrade   lights   light   reuse				<u> </u>		Cost of Greenfields			No. of relocated columns	Contraction	Estimate Cort É	Commants		
187         Clifton Tce         P3         7         2         \$5,500         3         \$3,500         \$ 21,500.00         2 new 3 relocate         2           188         Fernwood Pl         P4         1         1         \$5,500         \$3,500         \$5,500.00         1 new         2           189         Guernsey Pl         P4         1         \$5,500         \$3,500         \$ -         ok because light in Clifton Tce         3           190         Heathcote Pl         P4         2         1         \$5,500         1         \$3,500         \$ 9,000.0         1 new 1 relocate         2		Street Name	"P" Category	Present No. of Lights	Green Field		lights			Cost of relocation	Estimate Cost \$	Comments	rating	
189         Guernsey Pl         P4         1         \$5,500         \$3,500         \$ - ok because light in Clifton Tce         3           190         Heathcote Pl         P4         2         1         \$5,500         1         \$3,500         \$ 9,000.00         1 new 1 relocate         2		Clifton Tce	P3	7	+		2	\$5,500	3					
190 Heathcote Pl P4 2 1 \$5,500 1 \$3,500 \$ 9,000.00 1 new 1 relocate 2					$\Box$		1							
	190	Heathcote Pl	P4				1	\$5,500	1	\$3,500	\$ 9,000.00	1 new 1 relocate	2	
ok distance from intersection not				1	+		1			\$3,500	\$ 5,500.00	1 new ok distance from intersection not	2	
192 Mountain View Rd P4 \$5,500 \$3,500 \$ - accurate							ļ'					accurate		İ
194 Springdale Gr P3 2 1 \$5,500 1 \$3,500 \$ 9,000.00 1 new1 relocate 2				2			1		1	\$3,500	<u>'</u>	1 new 1 relocate	2	l
195         Titirangi Dr         P4         \$5,500         \$3,500         \$ - ok do nothing considered rural         3           196         Williams Tce         P4         1         \$5,500         \$3,500         \$ - ok because light in Summerhill Dr         3	195	Titirangi Dr	P4		<del></del>			\$5,500			1			
190 Williams ree P4 1	190	- Williams Ice	P4					\$3,300			\$ 50,500.00			



				CARL PARTY		Proposed Solution				1		
Street No.	Street Name	"P" Category	Present No. of Lights	Green Field	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	Prio rati
AREA 12												
197	Acacia St	P3	8	12	\$6,800					\$ 81,600.00	Redesign required, new columns respace	e
198	Alpine Gr	P4	1			1	\$5,500			\$ 5,500.00	add 1 new	
199	Anakiwa St	P3	2			1	\$5,500	1	\$3,500	\$ 9,000.00	1 becomes 2 long span	
200	Branigan Pde	Р3	2					1	\$3,500	\$ 3,500.00	Stagger installation respace 1 span maybe enough	Э
201	Cargill Gr	P4	3			2	\$5,500	2	\$3,500	\$ 18,000.00	2 becomes 4	7
202	Colonial Pl	P4	1			2	\$5,500	1	\$3,500	\$ 14,500.00	1 becomes 3	7
203	Forbes Pl	P4	1			2	\$5,500			\$ 11,000.00	add 2 new	7
204	Hillcrest Dr	Р3	9	20	\$6,800		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			\$ 136,000.00	Redesign required, new columns respace	3
205	Hilton Gr	P4	3			1	\$5,500	1	\$3,500	\$ 9,000.00	1 becomes 2	1
206	Karamea Cr	P3	3	8	\$6,800		φομού				Redesign required, new columns respace	e
207	Lyndale Pl	P4	3			2	\$5,500	1	\$3,500	\$ 14,500.00	2 becomes 4	1
208	Mahia Pl	P4	1			1	\$5,500		. ,	\$ 5,500.00	add 1 new	1
209	Motuoapa Pl	P4	1			1	\$5,500			\$ 5,500.00	add 1 new	
210	Parnell Hgts	P3	2			2	\$500.00			\$ 1,000.00	up wattage of luminaire	
211	Peter Hall Dr	P3	4			1	\$5,500	2	\$3,500	\$ 12,500.00	2 becomes 3 replace column	
212	Rhodes Dr	Р3	11	7	\$6,800					\$ 47,600.00	Redesign required, new columns respace	5
213	Rodeo Dr	Р3	4					1	\$3,500	\$ 3,500.00	Relocate 1 then when columns are replaced this will help compliance	
214	Rosalie Tce	P3	4			2	\$5,500	1	\$3,500	\$ 14,500.00	Relocate 1 then when columns are replaced this will help compliance	
215	Suzanne Gr	P4	1			1	\$5,500			\$ 5,500.00	add 1 new	٦
216	Wairau Pl	P4	1			1	\$5,500			\$ 5,500.00	add 1 new	
		1							TOTAL	\$ 458,100.00		
			513	141		247		192				
	KEY							P CATEGORY AREA TOTAL		\$ 2,867,300.00		N. A
Indic	cates a change in street category c	lassification										2
Indic	cates a street where residents have	e complained - 7 in	n total					PRIORITY RATING 1 TOTAL		\$ 1,271,000.00		
Indic	cates consideration be given to a re	edesign - 28 street	ts in total					PRIORITY RATING 1b TOTAL		\$ 382,300.00		)
								PRIORITY RATING 2 TOTAL		\$ 1,177,000.00		
								PRIORITY RATING 3 TOTAL		\$ 37,000.00		
										\$ 2,867,300.00	\$ 2,867,300.00	_







### STREET LIGHTING "V" CATEGORY

RSTON NORTH CITY COUN	.LMER:	PALM							N NORTH UNCIL	PALMERSTO CITY CO				
													GHTING "V" CATEGORY	REET LI
Priority rating	CONTRACTOR -	Comments	timate Cost \$	Esti	Cost of relocation	No. of relocated columns reuse light	Cost new column & light	No. of new columns & new lights	Cost of Greenfields Upgrade	Greenfields	Present No. of Non- complying lights	"P" Category	Street Name	treet No
1	n gn	Redesign required could reduce wattage, add 6 lights mid span between L1595-L1582. Redesign required L6167-L6158 respace and o add 7.	114,000.00	\$			\$6,000	19			14	V3	Tremaine Ave	1
2		Add 1 new mid span L18929-L8928,	30,000.00	\$			\$6,000	5			5	V4	Amberley Ave	2
2	5929- 939- e ut of 99, en	Intersection design with increased height may confirm compliance L592 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.	12,000.00	\$			\$6,000	2			2	V2	Pioneer Hway	3
2	an 2m,	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	13,000.00	\$	\$3,500	2	\$6,000	1			3	V3	Botanical Rd	4
2		Relocate L6172-L6203 add 1 new, L8699-L8698 span river incresed height will help.	13,000.00	\$	\$3,500	2	\$6,000	1			3	V4	Highbury Ave	5
Priority rating	SECTION AND ADDRESS OF THE PARTY OF THE PART	Comments	182,000.00 timate Cost \$		TOTAL  cost of relocation	No. of relocated columns reuse light	Cost new column & light	No. of new columns & new lights	Cost of Greenfields Upgrade	Greenfields	Present No. of Non- complying lights	"P" Category	Street Name	eet No.
3		1 light wattage amended, other light considered ok because no lights between for some distance	-	\$								V4	Gillespies Ln	<b>REA 2</b> 6
1 1		Redesign required	87,600.00 80,300.00 <b>167,900.00</b>	\$	TOTAL			-	\$7,300 \$7,300	12 11	9	V3 V2	Bennett St Rangitikei St	7 8



			PALMERSTO CITY CO	ON NORTH DUNCIL						DAI M	IERSTON NORTH CITY COUNCI
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	n No. of relocated columns reuse light	Cost of relocation	Estimate Cost \$	Comments	Priority rating
JF Kennedy Dr	V3									considered ok because with +/- 2m permitted max plus there is contribution from side street.	3
Fairs Rd Wiltshire Pl	V4	1			1 2	\$6,000			\$ 1,000.00	add new light onto o/h bewteen L8570 & L8567 Change sub category of road to P2.	3 - 2
Milson Ln	. V2	9	10	\$7,300	1	\$6,000	3	\$3,500	\$ 89,500.00	Add 2 new lights  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 / respace 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
Airport Dr Nth	V3	1			. 1	\$6,000			\$ 6,000.00	Add new additional light mid span between doubles	2
McGregor St	V4	1			1	\$6,000		1	\$ 6,000.00	Increasing height of column to 11.2m when due will meet compliance	3
Railway Rd	V3							TOTAL	\$ -	L12015 is stagger with L12018 spreadsheet doesn't show this hence do nothing.	3
	JF Kennedy Dr  Fairs Rd  Wiltshire Pl  Milson Ln  Airport Dr Nth  McGregor St	JF Kennedy Dr V3  Fairs Rd V4  Wiltshire Pl P2  Milson Ln V2  Airport Dr Nth V3  McGregor St V4	JF Kennedy Dr V3  Fairs Rd V4 1  Wiltshire Pl P2 1  Milson Ln V2 9  Airport Dr Nth V3 1  McGregor St V4 1	Street Name "P" Category Present No. of Non-complying lights  JF Kennedy Dr V3  Fairs Rd V4 1  Wiltshire Pl P2 1  Milson Ln V2 9 10  Airport Dr Nth V3 1  McGregor St V4 1	Street Name "P" Gategory complying lights Greenfields Upgrade  JF Kennedy Dr V3  Fairs Rd V4 1  Wiltshire Pl P2 1  Milson Ln V2 9 10 \$7,300  Airport Dr Nth V3 1  McGregor St V4 1	Street Name "P" Category Present No. of Non- complying lights Greenfields Greenfields Upgrade Upgrade  JF Kennedy Dr V3  Fairs Rd V4 1 1 2  Wiltshire Pl P2 1 2  Milson Ln V2 9 10 \$7,300 1  Airport Dr Nth V3 1 1 1  McGregor St V4 1 1 1	Street Name	Street Name	Street Name   '9' Gategory   Present the of Non-complying lights   Greenfelds   G	Stront Name	Step   Presented of No.   Pres



S   Posithenters 61   V2   21   28   57,300	\$ 204,400.00 from data base heights appear in correct.  3 \$ 3 \$ \$6,000 \$ 1 \$3,500 \$ 21,500.00 Relocate L5705, add 3 additional  3 \$ 2 \$6,000 \$ 12,000.00 Intersection appears ok. Add 2 extra and increase mounting height.  1 \$ 3,500 \$ 3,500.00 Appears distance on data is incorrect due to the sequence numbering  8 \$ 78,000.00 \$ 78,000.00 Sufficient, wattage change to 132W is also required for 13 fittings.	from data base heights appear in correct.  Relocate L5705, add 3 additional Intersection appears ok. Add 2 extra and increase mounting height.  Appears distance on data is incorrect					& or new lights	Upgrade	Greenfields	Present No. of Non- complying lights	"P" Category	Street Name	eet No.
Lumbard St	3 2 \$6,000 \$ 12,000.00 Intersection appears ok. Add 2 extra and increase mounting height.  1 \$3,500 \$ 3,500.00 Appears distance on data is incorrect due to the sequence numbering  Changing the height alone is not sufficient, wattage change to 132W is also required for 13 fittings.	Intersection appears ok. Add 2 extra and increase mounting height.  Appears distance on data is incorrect	\$ 21,500.00					\$7,300	28	21	V2	Featherston St	EA 4 16
9 Walding St V3 1 1 1 53,500 \$ 3,500.00 Appear distance on data is incorrect due to the sequence numbering 3 of the sequence numbering 4 1 53,500 \$ 3,500.00 Appear distance on data is incorrect due to the sequence numbering 4 1 53,500 \$ 3,500.00 Appears distance on data is incorrect due to the sequence numbering 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 \$3,500 \$ 3,500.00 Appears distance on data is incorrect due to the sequence numbering  Changing the height alone is not sufficient, wattage change to 132W is also required for 13 fittings.	Appears distance on data is incorrect	\$ 12,000.00	\$3,500	1								17 18
Wied Sa	8 13 \$6,000 \$ 78,000.00 sufficient, wattage change to 132W is also required for 13 fittings.	due to the sequence numbering	\$ 3,500.00	\$3,500	1					1	V3	Walding St	19
Waldegrave St		sufficient, wattage change to 132W is	\$ 78,000.00			\$6,000	13			8	V3	Wood St	20
Main St West   V2   26   26   \$7,300     \$ 189,800.00   complies and or change column height. He wadditional lights   Because of very wide road specific design required with 2   1   1   1   1   1   1   1   1   1	3 spans using the 10%	Considered ok because there are 3 spans using the 10%								3	V4	Waldegrave St	21
Cook St	26	complies and or change co <mark>l</mark> umn height.	\$ 189,800.00					\$7,300	26	26	V2	Main St West	22
Pitt St	2 \$6,000 \$ 12,000.00 design required with 2 new additional 1	design required with 2 new additional	\$ 12,000.00			\$6,000	2			2	V4	Cook St	23
Taonui St	8 10 \$7,300 \$ Design required increased height required. 1 additional light	Design required increased height required. 1 additional light	\$ 73,000.00					\$7,300	10	8	V3	Pitt St	24
Rangitikei St V2 20 22 \$7,300 \$ 160,600.00 \$	12 \$7,300 \$ 87,600.00 required and a change in wattage / optic 1	required and a change in wattage / optic	\$ 87,600.00					\$7,300	12	12	V4	Taonui St	25
Tremaine Ave V2 15 34 \$7,300 Design required increased height required and a change in wattage / optic  TOTAL \$ 1,090,600.00	required and a change in wattage / optic. Contribution from intersection	required and a change in wattage / optic. Contribution from intersection lighting means L5767will be ok. Column L5992 relocated to gain compliance. Column L5989 is	\$ 160,600.00					\$7,300	22	20	V2		26
Cost of	Design required increased height \$ 248,200.00 required and a change in wattage / 1	Design required increased height required and a change in wattage /	\$ 248,200.00					\$7,300	34	15	V2	Tremaine Ave	27
	Cost of		\$ 1,090,600.00	TOTAL				Cost of					
No. Street Name "P" Category complying lights complying lights Greenfields Upgrade Ro. of new columns Cost new column Ro. of relocated columns reuse light Cost of relocation Estimate Cost \$ Comments rating	ent No. of Non- mplying lights Greenfields Greenfields Room lights Solumns reuse light Cost of relocation Estimate Cost \$ Comments ratio	Comments	Estimate Cost \$	Cost of relocation				Greenfields	Greenfields	Present No. of Non- complying lights	"P" Category	Street Name	eet No.



,										II.		
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
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		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		
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
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  Botanical Rd	V3	8			1	\$6,000	2	\$3,500	\$ -	Within 2m of 10% concession  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		]
								L		•		



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
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	
44	Linton St	V3	1							\$ -	Span is within 2m of 10% concession	3
45		V4(10)& V3(40)	16			14	\$6,000	2	\$3,500	\$ 91,000.00	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	installation because additional supplementry light has been added.	2
48	Cook St East	V3	25			25	\$6,000		TOTAL	\$ 150,000.00	existing lights for compliance.	2
									TOTAL	\$ 489,000.00		┙





treet No AREA 9	. 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
eet No.	Street Name	"P" Category	Present No. of Non- complying lights	Greenfields	Cost of Greenfields	No. of new columns & new lights	Cost new column & light	No. of relocated columns reuse light	Cost of relocation	Estimate Cost \$	Comments	Priority rating
49 50	Franklin Ave  Ascot St	V4 V3	5		Upgrade					\$ -	Only the intersection is cat V hence specific illuminance calculation required.  Only the intersection is cat V hence specific illuminance calculation	1
51	Winston Ave	V4	2							\$ -	required.  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 respace 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		4	1	\$6,000	1	\$3,500 TOTAL	\$ 9,500.00	NC spacing because of driveways, stub columns expensive to change. L7218	2





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	Estin	mate Cost \$	Comments	Priority rating
AREA 11													
		-											
				-									
										-			
Orne Chie		(130 A	Present No. of Non-		Cost of	No. of new columns	Cost new column	No. of relocated		Feed	6.00	6	Priority
treet No.	Street Name	"P" Category	complying lights	Greenfields	Greenfields Upgrade	& new lights	& light	columns reuse light	Cost of relocation	ESUIA	mate Cost \$	Comments	rating
AREA 12			A DESCRIPTION OF THE PERSON OF		ObBigge								
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 -	2
						_	<b>4</b> 3,2 3 2					L8040 3 relocated 3 new, L11431- L9436 3rd span using 10% concession.	
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					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 P 23 P
	<u>KEY</u>								"V" CATEGORY TOTAL	\$ 2	,471,500.00		23 P
	Indicates a change in street category	classification					Di	RIORITY RATING 1 TOTA			,730,500.00		64

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

\$ 1,730,500.00 PRIORITY RATING 1 TOTAL \$ 559,500.00 PRIORITY RATING 2 TOTAL \$ 181,500.00 PRIORITY RATING 3 TOTAL

\$ 2,471,500.00