

Metal Halide Area Lighting Option (Main Parking)

Estimated KWH 0.15

EXISTING LIGHTING / CONDITIONS										PROPOSED LIGHTING								RESULTS												
Type	Existing Fixture Description	Fixture Qty	Lamp Type	Fixture input wattage	OCC Hours	System Watts	System KW	Annual Kwh	Annual Energy Costs	FIXTURE DESCRIPTION	Fixture QTY.	Lamp Type	Fixture Input Wattage	OCC Hours	System Watts	System KW	Annual Kwh	Annual Energy Costs	Estimated Annual Energy Savings	Estimated Maintenance Savings	Kwh's Saved	Estimated Rebate Dollars	Est. Labor Cost	Est Material Cost	Est Total Cost	Payback (ROI)	Payback (ROI) w/o rebate	5 Yr Savings	10 Yr Savings	
A	Single Pole 1000W MH Mogul Base	9	MH	1080	4380	9720	9.72	42573.6	\$6,386.04	Clean & Re-Lamp Existing	11	MH	1080	4380	11880	11.88	52034.4	\$7,805.16	-\$1,419.12	34.10	-9460.80	-\$283.82	\$1,320.00	\$550.00	\$1,870.00	N/A	N/A	-\$6,925.10	-\$13,850.20	
B	Single Pole 400W MH Mogul Base	2	MH	458	4380	916	0.916	4012.08	\$601.81	Clean & Re-Lamp Existing	2	MH	458	4380	916	0.916	4012.08	\$601.81	\$0.00	6.20	0.00	\$0.00	\$240.00	\$100.00	\$340.00	N/A	N/A	\$31.00	\$62.00	
C	Single Pole 180W LPS Medium Base	8	LPS		4380	0	0	0	\$0.00	Clean & Re-Lamp Existing	8	LPS	217	4380	1736	1.736	7603.68	\$1,140.55	-\$1,140.55	24.80	-7603.68	-\$228.11	\$960.00	\$400.00	\$1,360.00	N/A	N/A	-\$5,578.76	-\$11,157.52	
A1										New Pole Location with Single 1000w PSMH Shoebox Fixture	2	PSMH	1080	4380	2160	2.16	9460.8	\$1,419.12	-\$1,419.12	6.20	-9460.80	-\$283.82	\$5,000.00	\$2,900.00	\$7,900.00	N/A	N/A	-\$7,064.60	-\$14,129.20	
A2						0	0	0	\$0.00	New Pole Location with Dual 1000w PSMH Shoebox Fixture	6	PSMH	1080	4380	6480	6.48	28382.4	\$4,257.36	-\$4,257.36	18.60	-28382.40	-\$851.47	\$7,500.00	\$5,700.00	\$13,200.00	N/A	N/A	-\$21,193.80	-\$42,387.60	
						10636	10.636	46585.7	\$6,987.85							23172	23.172	101493.4	\$15,224.00	-\$8,236.15	89.90	-54907.68	-\$1,647.23	\$15,020.00	\$9,650.00	\$24,670.00	N/A	N/A	-\$40,731.26	-\$81,462.52

LED Lighting Option (Main Parking)

EXISTING LIGHTING / CONDITIONS										PROPOSED LIGHTING								RESULTS												
Type	Existing Fixture Description	Fixture Qty	Lamp Type	Fixture input wattage	OCC Hours	System Watts	System KW	Annual Kwh	Annual Energy Costs	FIXTURE DESCRIPTION	Fixture QTY.	Lamp Type	Fixture Input Wattage	OCC Hours	System Watts	System KW	Annual Kwh	Annual Energy Costs	Estimated Annual Energy Savings	Estimated Maintenance Savings	Kwh's Saved	Estimated Rebate Dollars	Est. Labor Cost	Est Material Cost	Est Total Cost	Payback (ROI)	Payback (ROI) w/o rebate	5 Yr Savings	10 Yr Savings	
A	Single Pole 1000W MH Mogul Base	9	MH	1080	4380	9720	9.72	42573.6	\$6,386.04	Single Pole 409W LED Shoebox Fixture	6	LED	409	4380	2454	2.454	10748.52	\$1,612.28	\$4,773.76	132.60	31825.08	\$954.75	\$960.00	\$6,000.00	\$6,960.00	N/A	N/A	\$24,531.81	\$49,063.62	
B	Single Pole 400W MH Mogul Base	2	MH	458	4380	916	0.916	4012.08	\$601.81	Dual Pole 409W LED Shoebox Fixture	16	LED	409	4380	6544	6.544	28662.72	\$4,299.41	-\$3,697.60	353.60	-24650.64	-\$739.52	\$2,560.00	\$16,000.00	\$18,560.00	N/A	N/A	-\$16,719.98	-\$33,439.96	
C	Single Pole 180W LPS Medium Base	8	LPS		4380	0	0	0	\$0.00	Clean & Re-Lamp Existing	8	LPS	217	4380	1736	1.736	7603.68	\$1,140.55	-\$1,140.55	176.80	-7603.68	-\$228.11	\$800.00	\$400.00	\$1,200.00	N/A	N/A	-\$4,818.76	-\$9,637.52	
A1						0	0	0	\$0.00	New Pole Location with Dual 409w LED Shoebox Fixture	6	LED	409	4380	2454	2.454	10748.52	\$1,612.28	-\$1,612.28	18.60	-10748.52	-\$322.46	\$7,500.00	\$5,700.00	\$13,200.00	N/A	N/A	-\$7,968.39	-\$15,936.78	
						10636	10.636	46585.7	\$6,987.85							13188	13.188	57763.4	\$8,664.52	-\$1,676.66	\$681.60	-11177.76	-\$335.33	\$11,820.00	\$28,100.00	\$39,920.00	N/A	N/A	-\$4,975.32	-\$9,950.64

LED Lighting Option (Under Canopy)

EXISTING LIGHTING / CONDITIONS										PROPOSED LIGHTING								RESULTS												
Type	Existing Fixture Description	Fixture Qty	Lamp Type	Fixture input wattage	OCC Hours	System Watts	System KW	Annual Kwh	Annual Energy Costs	FIXTURE DESCRIPTION	Fixture QTY.	Lamp Type	Fixture Input Wattage	OCC Hours	System Watts	System KW	Annual Kwh	Annual Energy Costs	Estimated Annual Energy Savings	Estimated Maintenance Savings	Kwh's Saved	Estimated Rebate Dollars	Est. Labor Cost	Est Material Cost	Est Total Cost	Payback (ROI)	Payback (ROI) w/o rebate	5 Yr Savings	10 Yr Savings	
D	Façade 500W Halogen 1-Pin	1	Halogen	500	4380	500	0.5	2190	\$328.50	Replace Existing with 50w LED Wall Pack	1	LED	50	4380	50	0.05	219	\$32.85	\$295.65	12.10	1971.00	\$59.13	\$70.00	\$225.00	\$295.00	0.77	0.96	\$1,538.75	\$3,077.50	
E	Under Canopy 60W Fluorescent 2-Pin	68	Fluor.	60	4380	4080	4.08	17870.4	\$2,680.56	Leave Existing	68	LED	60	4380	4080	4.08	17870.4	\$2,680.56	\$0.00	822.80	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	0.00	\$4,114.00	\$8,228.00	
F	Under Canopy 60w Incan. Mini Base	10	Incan.	60	4380	600	0.6	2628	\$394.20	Leave Existing	10	LED	60	4380	600	0.6	2628	\$394.20	\$0.00	121.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	0.00	\$605.00	\$1,210.00	
G	Rooftop 150W Flood Medium Base	25	Halogen	150	4380	3750	3.75	16425	\$2,463.75	Re-Lamp with 22.5w LED Lamp	25	LED	23	4380	562.5	0.5625	2463.75	\$369.56	\$2,094.19	302.50	13961.25	\$418.84	\$1,750.00	\$625.00	\$2,375.00	0.82	0.99	\$11,983.44	\$23,966.88	
						8930	8.93	39113.4	\$5,867.01							5292.5	5.2925	23181.2	\$3,477.17	\$2,389.84	\$1,258.40	15932.25	\$477.97	\$1,820.00	\$850.00	\$2,670.00	0.60	0.73	\$18,241.19	\$36,482.38

LED Lighting Option (Back of Building)

EXISTING LIGHTING / CONDITIONS										PROPOSED LIGHTING								RESULTS												
Type	Existing Fixture Description	Fixture Qty	Lamp Type	Fixture input wattage	OCC Hours	System Watts	System KW	Annual Kwh	Annual Energy Costs	FIXTURE DESCRIPTION	Fixture QTY.	Lamp Type	Fixture Input Wattage	OCC Hours	System Watts	System KW	Annual Kwh	Annual Energy Costs	Estimated Annual Energy Savings	Estimated Maintenance Savings	Kwh's Saved	Estimated Rebate Dollars	Est. Labor Cost	Est Material Cost	Est Total Cost	Payback (ROI)	Payback (ROI) w/o rebate	5 Yr Savings	10 Yr Savings	
H	Walkway 65W MH Mogul Base	1	MH	81	4380	81	0.081	354.78	\$53.22	Replace Existing with 15w LED Fixture	1	LED	15	4380	15	0.015	65.7	\$9.86	\$43.36	22.10	289.08	\$8.67	\$70.00	\$225.00	\$295.00	4.37	4.51	\$327.31	\$654.62	
I	Wall Pack 50W HPS Medium Base	3	HPS	67	4380	201	0.201	880.38	\$132.06	Replace Existing with 18w LED Wall Pack	3	LED	18	4380	54	0.054	236.52	\$35.48	\$96.58	66.30	643.86	\$19.32	\$210.00	\$360.00	\$570.00	3.38	3.50	\$814.40	\$1,628.79	
J	Wall Pack 175W MH Mogul Base	12	MH	210	4380	2520	2.52	11037.6	\$1,655.64	Replace Existing with 25w LED Wall Pack	12	LED	25	4380	300	0.3	1314	\$197.10	\$1,458.54	265.20	9723.60	\$291.71	\$840.00	\$2,700.00	\$3,540.00	1.88	2.05	\$8,618.70	\$17,237.40	
						2802	2.802	12272.8	\$1,840.91							369	0.369	1616.22	\$242.43	\$1,598.48	\$353.60	10656.54	\$319.70	\$1,120.00	\$3,285.00	\$4,405.00	2.09	2.26	\$9,760.41	\$19,520.81