

iii. Investment Code: 9 Street Light

9 Traffic Signal

9 Zone Flashers

2 Applicable TDOT Project

iv. Class (Type of Light): T – Concrete Standard

J – Wood pole w/ mercury

P – Wood Pole

N – Steel pole w/ mercury

T1 – Post Top

L – Conc. pole w/ mercury

R – Wood w/ 400W

U – Concrete w/ 400W, 750W, 1000W

V – Steele Pole

Z – School Zone Flasher

I – Traffic Signal

v. Wattage: Select equivalent system wattage based on the luminaire wattage.

Street Light – see table below

	HPS Lamp Wattage (W)	HPS System Wattage (W)
HPS	100	150
	150	205
	200	252
	250	318
	400	480

	HPS Equivalent Lamp Wattage (W)	LED Rated Wattage (W)	LED System Wattage (W)
LED	100	73	90
	150	93	123
	200	135	151
	250	160	191
	400	273	288

Traffic Signal – note configurations from sketch and use the **Traffic Signal**

Configurations chart (see appendix) to calculate wattage

Flasher – note configurations from sketch and use the **Traffic Signal**

Configurations chart (see appendix) to calculate wattage

STREET LIGHT BILLING SYSTEM
FROM 12/28/20 THROUGH 01/27/21

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CITY OF MEMPHIS

STREET LIGHT

Invst Class	Watt Hrs	Burn Previous Units	Month KWH	Additions Units	Additions KWH	Deletions Units	Deletions KWH	Month Ending Units	Month Ending KWH	Current Billing Units	Billing KWH	
---- P---	Sodium Lum & Wood Pole -----											
	0150	4	54	2,700	0	0	0	0	54	2,700	54	2,700
	0205	4	3	205	0	0	0	0	3	205	3	205
	0252	4	140	11,760	0	0	0	0	140	11,760	140	11,760
	0318	4	193	20,458	0	0	0	0	193	20,458	193	20,458
	0480	4	1	160	0	0	0	0	1	160	1	160

Total-Class P			391	35,283	0	0	0	0	391	35,283	391	35,283
P1	Post Top Wood Pole											
	0150	4	66	3,300	0	0	0	0	66	3,300	66	3,300

Total-Class P1			66	3,300	0	0	0	0	66	3,300	66	3,300
S1	Incan Underpass (Others)											
	0150	4	36	1,800	0	0	0	0	36	1,800	36	1,800

Total-Class S1			36	1,800	0	0	0	0	36	1,800	36	1,800
S2	Sodium Underpass											
	0205	4	2	137	0	0	0	0	2	137	2	137

Total-Class S2			2	137	0	0	0	0	2	137	2	137
T	Sodium Lum & Conc Std											
	0150	4	20	1,000	0	0	0	0	20	1,000	20	1,000
	0205	4	1	68	0	0	0	0	1	68	1	68
	0252	4	260	21,840	0	0	0	0	260	21,840	260	21,840
	0318	4	214	22,684	0	0	0	0	214	22,684	214	22,684

Total-Class T			495	45,592	0	0	0	0	495	45,592	495	45,592
T1	Sodium Post Top Lum											
	0150	4	372	18,600	0	0	0	0	372	18,600	372	18,600
			423	22,085	0	0	0	0	423	22,085	423	22,085

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STREET LIGHT

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----- G1--Incan Post Top Lum & Alum Pole				-----	---	---	---	-----	---	-----	---
0150 4		61	3,050	0	0	0	0	61	3,050	61	3,050

Total-Class G1		61	3,050	0	0	0	0	61	3,050	61	3,050
G2 Merc Post Top Lum & Steel Pole											
0100 4		11	367	0	0	0	0	11	367	11	367
0150 4		12	600	0	0	0	0	12	600	12	600
0207 4		15	1,035	0	0	0	0	15	1,035	15	1,035

Total-Class G2		38	2,002	0	0	0	0	38	2,002	38	2,002
I1 Merc Lum & Wood Pole (X-Way)											
0207 4		11	759	0	0	0	0	11	759	11	759

Total-Class I1		11	759	0	0	0	0	11	759	11	759
J Merc Lum & Wood Pole											
0455 4		97	14,712	0	0	0	0	97	14,712	97	14,712
0770 4		13	3,337	0	0	0	0	13	3,337	13	3,337

Total-Class J		110	18,049	0	0	0	0	110	18,049	110	18,049
J1 Merc Lum & Wood Pole (X-Way)											
0455 4		1	152	0	0	0	0	1	152	1	152

Total-Class J1		1	152	0	0	0	0	1	152	1	152
L Merc Lum & Conc Std											
0455 4		80	12,133	0	0	0	0	80	12,133	80	12,133

Total-Class L		80	12,133	0	0	0	0	80	12,133	80	12,133
LE LED Luminaire Horizontal Tenon Mounted											
0045 4		40	600	0	0	0	0	40	600	40	600
0089 4		26	771	0	0	0	0	26	771	26	771
		711	21,920	0	0	0	0	711	21,920	711	21,920

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STREET LIGHT

Invst Class	Watt Hrs	Burn Previous Units	Month KWH	Additions Units	Additions KWH	Deletions Units	Deletions KWH	Month Ending Units	Month Ending KWH	Current Billing Units	Billing KWH
---- LE--100W LED EQ Streetlight-----											
0090 4		536	16,080	0	0	0	0	536	16,080	536	16,080
0123 4		109	4,469	0	0	0	0	109	4,469	109	4,469
Total-Class LE		711	21,920	0	0	0	0	711	21,920	711	21,920
N Merc Lum & Steel Pole											
0294 4		29	2,842	0	0	0	0	29	2,842	29	2,842
0455 4		4	607	0	0	0	0	4	607	4	607
0770 4		1	257	0	0	0	0	1	257	1	257
Total-Class N		34	3,706	0	0	0	0	34	3,706	34	3,706
N1 Merc Lum & Steel Pole (X-Way)											
0207 4		2	138	0	0	0	0	2	138	2	138
Total-Class N1		2	138	0	0	0	0	2	138	2	138
O Incan Lum & Wood Pole											
0200 4		2	133	0	0	0	0	2	133	2	133
Total-Class O		2	133	0	0	0	0	2	133	2	133
P Sodium Lum & Wood Pole											
0150 4		19,458	972,900	0	0	0	0	19,458	972,900	19,458	972,900
0205 4		2,030	138,717	1	68	0	0	2,031	138,785	2,031	146,959
0252 4		14,413	1,210,692	0	0	0	0	14,413	1,210,692	14,413	1,210,692
0318 4		659	69,854	0	0	0	0	659	69,854	659	69,854
0480 4		292	46,720	0	0	284	45,440	8	1,280	8	46,720
Total-Class P		36,852	2,438,883	1	68	284	45,440	36,569	2,393,511	36,569	2,447,125
P1 Post Top Wood Pole											
0150 4		22	1,100	0	0	0	0	22	1,100	22	1,100

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----- P1--Post Top Wood Pole-											
Total-Class P1		22	1,100	0	0	0	0	22	1,100	22	1,100
R Sodium Lum & Wood Pole											
0480	4	373	59,680	0	0	0	0	373	59,680	373	59,680

Total-Class R		373	59,680	0	0	0	0	373	59,680	373	59,680
S Incan Underpass											
0040	4	12	160	0	0	0	0	12	160	12	160
0060	4	55	1,100	0	0	0	0	55	1,100	55	1,100
0150	4	45	2,250	0	0	0	0	45	2,250	45	2,250
0189	4	28	1,764	0	0	0	0	28	1,764	28	1,764
0200	4	46	3,067	0	0	0	0	46	3,067	46	3,067

Total-Class S		186	8,341	0	0	0	0	186	8,341	186	8,341
S1 Incan Underpass (Others)											
0150	4	192	9,600	0	0	0	0	192	9,600	192	9,600
0189	4	114	7,182	0	0	0	0	114	7,182	114	7,182
0207	4	16	1,104	0	0	0	0	16	1,104	16	1,104
0294	4	34	3,332	0	0	0	0	34	3,332	34	3,332

Total-Class S1		356	21,218	0	0	0	0	356	21,218	356	21,218
S2 Sodium Underpass											
0150	4	12	600	0	0	0	0	12	600	12	600
0205	4	191	13,052	0	0	0	0	191	13,052	191	13,052

Total-Class S2		203	13,652	0	0	0	0	203	13,652	203	13,652
S3											
0125	4	20	833	0	0	0	0	20	833	20	833

Total-Class S3		20	833	0	0	0	0	20	833	20	833

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Invst Class	Watt Hrs	Burn Previous Units	Month KWH	Additions Units	Additions KWH	Deletions Units	Deletions KWH	Month Ending Units	Month Ending KWH	Current Billing Units	Billing KWH
---- T---	Sodium Lum & Conc Std	-----	-----	---	---	---	---	-----	---	-----	---
0150	0	20,052	1,002,600	0	0	0	0	20,052	1,002,600	20,052	1,002,600
0205	4	2,784	190,240	0	0	0	0	2,784	190,240	2,784	190,240
0252	4	6,074	510,216	0	0	0	0	6,074	510,216	6,074	510,216
0318	4	323	34,238	0	0	0	0	323	34,238	323	34,238

Total-Class T1	Sodium Post Top Lum	29,233	1,737,294	0	0	0	0	29,233	1,737,294	29,233	1,737,294
0150	4	5,487	274,350	0	0	0	0	5,487	274,350	5,487	274,350
0205	4	197	13,462	0	0	0	0	197	13,462	197	13,462

Total-Class U	Sodium Lum & Conc Std	5,684	287,812	0	0	0	0	5,684	287,812	5,684	287,812
0480	4	607	97,120	0	0	0	0	607	97,120	607	97,120
1130	4	14	5,273	0	0	0	0	14	5,273	14	5,273

Total-Class V	Sodium Lum & Steel Pole	621	102,393	0	0	0	0	621	102,393	621	102,393
0150	4	88	4,400	0	0	0	0	88	4,400	88	4,400
0205	4	568	38,813	0	0	0	0	568	38,813	568	38,813
0252	4	1,329	111,636	0	0	0	0	1,329	111,636	1,329	111,636
0318	4	923	97,838	0	0	0	0	923	97,838	923	97,838
0480	4	1,070	171,200	0	0	0	0	1,070	171,200	1,070	171,200
1130	4	1	377	0	0	0	0	1	377	1	377

Total-Class X1	Sodium Lum (X-Way)	3,979	424,264	0	0	0	0	3,979	424,264	3,979	424,264
0318	4	19	2,014	0	0	0	0	19	2,014	19	2,014
