



## **APPENDIX A**

# **TUMON BAY LIGHTING IMPROVEMENT PHASE II PROJECT**

## **SCOPE OF WORK**

## **Objective**

The Guam Visitors Bureau “GVB”, a non-stock, non-profit membership corporation, will receive sealed proposals from professional and experienced companies for the Tumon Bay Lighting Improvement Phase II Project.

The scope of work includes repair of all **Street Lighting Panels (SLP)** which includes replacement of all stainless steel panels, replacement of wiring to and between street light fixtures, installation of new LED street lighting fixtures and median lighting panels, concrete footings and fixtures.

The project may require digging, trenching, and restoration to replace damaged conduits.

GVB does not warrant the condition of any existing underground conduit. The Contractor shall be solely responsible for performing all work and for furnishing all additional materials other than GVB supplied, labor and equipment necessary to complete the Work. The Contractor shall make necessary survey measurements of existing facilities prior work on each SLP to ensure proper materials are on hand.

Work shall be scheduled, sequenced, and performed in a manner which minimizes disruption to the public. Contractor shall prepare daily QC (Quality Control) Reports and Contractor Production Reports submitted to Construction Manager for approval. Contractor shall provide with any daily report photographs taken prior construction and after finishing work for each SLP.

The Contractor shall incorporate the construction and schedule constraints in preparing the Construction Progress Schedule. The schedules shall include the Contractor's activities necessary to satisfy all constraints of the Contract Documents.

The Work shall be performed and coordinated in such order or precedence as determined by the Contractor, subject to the conditions and the approval of the Construction Manager. Each completed street light panel shall be inspected and approved by Construction Manager prior payment.

Coordinate power disconnections with GPA and street control with GPW.

## **Time of Completion**

The Contractor shall begin Work within ten (10) days after the date set forth in the Notice to Proceed and shall complete all Work under the Contract within the 60 days.

## **Payment**

Certify and sign statement on each invoice that all work to be paid under the invoice has been completed in accordance with contract requirements.

## **Safety**

Continuous operation of Street Lighting is of critical importance. The Contractor shall schedule and conduct activities to enable the existing facilities to operate continuously, unless otherwise approved by Construction Manager.

The Contractor shall comply with all applicable laws and regulations relating to the safety of persons or property or to the protection of persons or property from damage, injury, or loss and shall erect and maintain all necessary safeguards for such safety and protection. The Contractor shall be responsible for preventing health hazards arising from work related activities of its employees. Persons shall be afforded safe passages around areas of demolition.

The Contractor shall exercise care in preserving vegetation and protecting property, to avoid disturbing areas beyond the limits of the Work and promptly repair any damage caused by Contractor operations.

Stock piles of earth and other construction-related materials shall be protected from being transported from the Site by wind or water.

### **Background**

The Street Lighting Evaluation was conducted by GVB's Capital Improvement Projects Manager to evaluate the effectiveness of the street lighting system along Pale San Vitores Road in Tumon, Guam. The evaluation aimed to identify the problems and provide alternative solutions to fix the street lighting on the main hotel strip in Tumon. Refer to attached drawings for details. The Contractor shall verify the scope of the Work. The Contractor shall comply with the maintenance and guarantee requirements.

### **Materials**

Due to time constrains long lead materials have already been ordered. Refer to attached list at end of this document for long lead materials. There is still a requirement for additional materials for this project to be purchased by contractor, which should be readily available on Guam.

There is a material management concept in place that long lead materials are managed in an integrative way for economic reasons by the supplier. The contractor must request materials in advance by supplying a requisition form with all materials listed by name, SLP number and quantity. This requisition form shall be approved by GVB prior handing materials to the contractor.

Any additional material shall be approved by construction manager.

Any removed existing materials will remain the property of GVB and can only be removed after construction manager's approval.

### **Inspection and Testing**

Assure that all applicable tests, special inspections, and observations required by the contract are performed and approved by Construction Manager.

Perform and participate in Pre-Final and Final Inspection. Submit a list of deficiencies to the Contracting Officer for each inspection. Correct all deficiencies prior to the Final inspection. Notify Contracting Officer prior to final inspection to establish a schedule date acceptable by the Contracting Officer.

Contractor shall maintain a testing plan and log. Ensure that all testing is performed in accordance with the U.S. Department of Transportation Federal Highway Administration FHWA Lighting Handbook August 2012 and the manufactures recommendations. Review all test reports notify the Contracting Officer of all deficiencies, along with a proposal for corrective actions.

### **Lighting System**

The Tumon Bay Street Lighting System was partly installed under the Tumon Infrastructure and Beautification Phase 1 and Phase II Project in 1998 and 2002. The different phases included improvements to the infrastructure and utilities. Construction of 4 miles of highway with Sidewalk. No detailed drawings are available.

**Overview of Existing Street Lighting.** Phase II was completed in 2004.

Due to lack of qualified maintenance and repair the Tumon Bay Street Lighting System is in a desolate state of emergency. Lights that work today may not work tomorrow but maybe the following day. Nuisance tripping of circuits based on weather conditions.

An assessment was conducted to provide information about the as-built status as much as possible and condition of the Street Lighting System. This information is valuable for developing an asset status, introduction of maintenance programs and proactively rebuilding an aging system. The assessment was extensive utilizing visual inspection from ground, visual inspection from bucket-truck and use of selected specialized testing equipment to be as objective as possible to ensure valuable consistency of collected data. The assessment started at the Street Lighting Panel (SLP) enclosure. Not included are the transformer, its connectivity, and metering at the SLP. The entire Tumon Bay Street Lighting System consists of 18 SLPs (panels). This project covers only 5 SLPs, refer to attached drawings.

Any electrical installation ages if exposed to the environment, not just due to damages by rain and earthquakes but also vandalism and road vehicle traffic, affecting the functionality of a street lighting system. Electrical insulation of conductors and connections tends to become brittle over time and may crack resulting in circuit breaker nuisance tripping; this insulation degradation accelerates if rainwater and other contaminations (i.e. rodents) can enter the electrical system.

There are three different types of Street Lighting Concrete Poles (pole) configurations. The first consists of poles with both a street (larger fixture) and a side walk (smaller fixture) lighting fixture, the second one is a street lighting fixture alone and the third is a sidewalk lighting fixture alone.

Some street light fixtures have been already replaced by energy efficient LED fixtures. Data was collected using tools such as megger testing equipment to test the insulation properties of the wires. During the evaluation, many of the light fixtures were not operational and some worked sporadically.

**Scope of Work** (for details per SLP refer to Light Assessment Forms Tumon Bay)

- Submit Schedule
- Replace all non LED lighting fixtures with new LED energy efficient lighting fixtures complete with housing. (Smaller size fixtures for sidewalk and larger size fixtures for street).
- Replace all other lighting fixtures with LED energy efficient lighting fixtures complete with housing. (Smaller size fixtures for sidewalk and larger size fixtures for street).
- Clean all concrete footing at SLPs to remove overgrown vegetation and other dirt.
- Remove all overgrown vegetation's at the SLPs and Street Lighting Fixture.
- Replace all damaged concrete footing at Median as required. Place new concrete footing central and as far away from traffic as possible on Median. Install two red retro reflective safety devices (cat eyes or similar) on each side of the concrete footing in each driving direction.
- Replace all conductors from the SLPs to all street lighting concrete poles and conduits as required. Contractor needs to determine total conductor length.
- Replace all lighting conductors at SLPs.
- Replace all wiring inside of all street lighting concrete poles. From wire cover plate to lighting fixture.
- Replace all conductors from the SLPs to all Median Panels and conduits as required. Contractor shall supply all conductors for the medians.
- Install new circuit breakers into new Median panels.
- Replace all conductors from the Median panel to all spotlights on median and conduits as required.
- Install new fused lighting connectors for every lighting fixture at each concrete pole. There are
- Replace all deteriorated hardware from enclosures, conduits to bolts and replace all corroded framing hardware.

- Replace all SLP stainless steel enclosures (reuse internal panels and enclosures). Install new rigid conduit entering from concrete footing to enclosure and use Myers Hub to connect to the enclosure. Replace all lighting contactors. Reuse all other materials inside the SLP.
- Replace all Median stainless steel enclosures. Install new rigid conduit and use Myers Hub to connect to the enclosure.
- Replace all conduits entering the SLPs and use only Myers hub.
- In addition, replace all photocells and install locking type photo control devices and mating receptacles in compliance with ANSI C136.10 and UL 773.
- Replace one damaged concrete pole and two missing poles.
- Replace damaged and missing concrete pole base plate covers.
- Replace missing wire cover plate at concrete poles as required.
- Install conduit sealant/putty on all new and existing conduits to prevent intrusion of water.
- Install new fused inline watertight connector's at all concrete poles.
- Install new conductors and other wiring system as deemed necessary. Use for each wiring connection in addition two layers of rubber mastic tape.
- Provide concrete pole numbering per SLP. Provide one-line diagram for each SLP. Base concrete pole numbering on one-line diagram.
- Any other work and materials not listed here that are required to have a full functioning Street Lighting System. Be aware to purchase wire between SLP and median locally.
- Provide any equipment and tools required for this project.
- As a separate second bid item provide a quote replacing damaged underground conduits as required.
  - Concrete encase conduit all around 3" with 2500 PSI concrete. 24" minimum depth under roadway/driveway, install detectable warning tape at 12" below finish grade. Provide selected backfill no larger than 2". Provide compaction at 95%. Repair pavement to existing condition.
  - Sand cushion (sand backfill) conduit all around 4" with selected sand (sieve size of 3/8" or less). 24" minimum depth sidewalk (no roadway/driveway), install detectable warning tape at 12" below finish grade. Provide selected backfill no larger than 2". Provide compaction at 95%. Repair finished grade to existing condition.
- As a separate third bid item provide a quote for a maintenance program for 3 years broken down annually after the contractual 1-year warranty expired. Inspect street lighting system at a minimum once per week that all light fixture and photocell are working correctly and provide findings to GVB for review. Get additional work authorization and materials approvals immediately the next working day. Include cost for replacement of defective LED lighting fixtures under warranty. The LED fixtures are coming with a 7 years' warranty if installed and maintained correctly in confirmation with manufacturer installation and maintenance recommendation. Provide maintenance of LED lighting fixtures in confirmation with manufacturer recommendations. Be proactive and be able to react in a timely fashion in order to upkeep a working street lighting system. Maintain proper maintenance, repair and inventory records providing details on the state of the lighting system. Submit these records at the first Monday of every month. Identify shortcomings and implement best practice maintenance standards. Keep maintenance and repair records together with the lighting systems operation and maintenance documentation. Ensures that repairs or replacements are carried out in compliance with industry standards and that materials are installed within manufacturer's recommendations.

Routine Maintenance, Inspection, and Repair Reports for all routine work and shall contain the following:

1. SLP and Pole number
2. Date, time, and reported by
3. Short description of defect
4. Troubleshooting performed

5. Work performed
6. Materials replace/used
7. Materials on order
8. Date, time, work completed

**Note: This project shall include a 1-year warranty on all work performed by the contractor.**

**Contractor shall provide all other required materials for a complete and functioning Street Lighting System.**

**The contractor is responsible for the correct count of all street light fixtures and poles.**

**The contractor shall update the one-line diagrams in all SLPs.**

Estimated Conductor Length per SLP, this quantity will be provided by GVB and contractor installed (These are only rough length estimates, contractor needs to measure total conductor length and shall supply additional conductor)

Lighting Circuit #	Poles Quantity	Estimated Conductor Length
SLP-1	13	3300
SLP-2	19	4000
SLP-3	16	3150
SLP-4	18	4250
SLP-5	19	4800
<b>TOTAL</b>	<b>85</b>	<b>19500</b>

**Findings by Circuit**

Circuit #	Street				Sidewalk				Poles
	LED Fixture		Light Working		LED Fixture		Light Working		
	Y	N	Y	N	Y	N	Y	N	
SLP-1	4	9	7	6	2	5	3	4	13
SLP-2	5	14	10	9	3	12	9	6	19
SLP-3	7	9	10	6	3	10	10	3	16
SLP-4	3	15	10	8	3	13	12	4	18
SLP-5	5	14	10	9	3	5	4	4	19
	23	63	47	39	15	44	38	21	85

Lighting Circuit #	Poles Quantity	Estimated Conductor Length
--------------------	----------------	----------------------------

SLP-6	18	4400
SLP-7	17	3200
SLP-8	14	3750
SLP-10	19	4600
SLP-11	17	4500
SLP-12	20	3650
Total	105	24100

Findings by Circuit

Circuit #	Street				Sidewalk				Poles
	LED Fixture		Light Working		LED Fixture		Light Working		
	Y	N	Y	N	Y	N	Y	N	
SLP-6	9	10	17	2	3	12	10	5	18
SLP-7	3	14	13	4	5	11	11	5	17
SLP-8	6	9	10	5	1	14	10	5	14
SLP-10	5	14	14	5	4	15	15	4	19
SLP-11	4	13	8	9	2	15	10	7	17
SLP-12	7	13	12	8	6	14	11	9	20
	34	73	74	33	21	81	67	35	<b>105</b>

Lighting Circuit #	Poles Quantity	Estimated Conductor Length
SLP-13A	25	7600
SLP-13	20	4700
SLP-14	19	4000
SLP-15	20	4400
SLP-16	17	2800
SLP-17	17	3200
SLP-18	15	3100
TOTAL	133	29800

Findings by Circuit

Circuit #	Street		Sidewalk		Poles
	LED Fixture	Light Working	LED Fixture	Light Working	

	Y	N	Y	N	Y	N	Y	N	
SLP-13A	9	16	12	13	0	1	0	1	25
SLP-13	4	12	9	7	2	9	9	2	20
SLP-14	3	7	5	5	0	10	6	4	19
SLP-15	2	8	6	4	0	10	6	4	20
SLP-16	5	3	6	2	1	9	6	4	17
SLP-17	5	3	7	1	1	9	6	4	17
SLP-18	3	4	4	3	1	13	11	3	15
	31	53	49	35	5	61	44	22	<b>133</b>

## Assessment Spreadsheet by SLP







CIRCUIT #	LIGHT POLE #	Fixture								Arm		Pole		Megger Test										Notes:							
		Street LED Fixture	Old Style Fixture	Light	Lens	Sidewalk LED Fixture	Old Style Fixture	Light	Lens	Streetlight Arm/Bracket	Sidewalk Arm/Bracket	Concrete Base	Metal Baseplate Cover	Electrical Cover	Conductor Size AWG	GFCI Cover	GFCI Outlet	GFCI Continuity Test	Continuity	Conductor Size AWG	Amper Load	L1 to L2	L1 to L3		L2 to L3	L1 to N	L2 to N	(GFCI) L3 to N	L1 to G	L2 to G	L3 to G
<b>TAMUNING SIDE</b>																										Notes:					
9, 11	1-1		√	Y																	2.2 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	186.1 MΩ	275 MΩ	275 MΩ	190.6 MΩ	Home Run.
9, 11	1-2		√	N																	2.0 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	173 MΩ	275 MΩ	275 MΩ	173 MΩ	
5, 7	1-3		√	N																	3.7 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	Additional outlet not connected. Home Run.
5, 7	1-4		√	N																	3.8 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	pole #5 to #6.
5, 7	1-5		√	Y																	3.8 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	Conduit tap in to electrical cover old wiring abandon from pole #5 to #6.
5, 7	1-6		√	N																	3.8 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	
5, 7	1-7		√	N																	3.7 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	

**Lights:** Y = Working or N = Not Working     
**Arm:** D = Damaged or M = Missing     
**Pole:** Concrete Base: K = Ok or D = Damaged     
**GFCI:** K = Ok, D = Damaged or M = Missing  
**Lens:** D = Damaged or M = Missing     
Metal Base Plate: D = Damaged or M = Missing     
**Continuity:** K = Ok or N = No Continuity  
Y = Yes or N = No

CIRCUIT #	LIGHT POLE #	Luminar						Arm		Pole			GFCI			Megger Test Results (Set for 250 Volts) Lights & GFCI										Notes:							
		Street LED Fixture	Old Style Fixture	Light Lens	Sidewalk LED Fixture	Old Style Fixture	Light Lens	Streetlight Arm/Bracket	Sidewalk Arm/Bracket	Concrete Base	Metal Baseplate Cover	Electrical Cover	Conductor Size AWG	GFCI Cover	GFCI Outlet	GFCI Continuity Test	Continuity	Conductor Size AWG	Amper Load	L1 to L2	L1 to L3	L2 to L3	L1 to N	L2 to N	(GFCI) L3 to N		L1 to G	L2 to G	L3 to G				
<b>DEDEDO SIDE</b>																																	
6, 8	1-8	V	Y							K	K	K	8	K	K	K	8	2.2 Amp	219 MΩ	196.1MΩ	169 MΩ	275 MΩ	275 MΩ	196.8 MΩ	187.4 MΩ	159.2 MΩ	Failed	Top of pole decorative rain cap not in proper position.					
6, 8	1-9	V	Y							K	K	K	8	K	K	K	8	2.4 Amp	219 MΩ	196 MΩ	169 MΩ	275 MΩ	275 MΩ	196.8 MΩ	187.4 MΩ	159 MΩ	Failed						
6, 8	1-10	V	Y							K	K	K	8	K	K	K	8	2.4 Amp	219 MΩ	196 MΩ	169 MΩ	275 MΩ	275 MΩ	196.8 MΩ	187 MΩ	159 MΩ	Failed						
9, 11	1-11	V	Y																														
9, 11	1-12	V	N																MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ			
9, 11	1-13	V	Y		V	Y													MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ			
																			MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ		
																			MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ		
																			MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ		
																			MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ		
<b>Lights:</b> Y = Working or N = Not Working		<b>Arm:</b> D = Damaged or M = Missing					<b>Pole:</b> Concrete Base: K = Ok or D = Damaged					<b>GFCI:</b> K = Ok, D = Damaged or M = Missing																					
<b>Lens:</b> D = Damaged or M = Missing		<b>Metal Base Plate:</b> D = Damaged or M = Missing										<b>Continuity:</b> K = Ok or N = No Continuity																					
Y = Yes or N = No																																	



Lighting Assesment Form Tumon Bay PANEL # SLP - 2

DATE: 5-Oct-15

CIRCUIT #	LIGHT POLE #	Luminar										Arm	Pole	GFCI	Megger Test Results (Set for 250 Volts) Lights & GFCI										Notes:										
		Street LED Fixture	Old Style Fixture	Light	Lens	Sidewalk LED Fixture	Old Style Fixture	Light	Lens	Streetlight Arm	Arm/Bracket				Sidewalk Arm	Arm/Bracket	Concrete Base Metal Baseplate Cover	Electrical Cover	Conductor Size AWG	GFCI Cover	GFCI Outlet	GFCI Continuity Test	Conductor Size AWG	Amper Load		L1 to L2	L1 to L3	L2 to L3	L1 to N	L2 to N	(GFCI) L3 to N	L1 to G	L2 to G	L3 to G	
<b>TARZA SIDE</b>																												<b>Notes:</b>							
5, 7	2-1	V	N			V	Y					K	K	K	8	K	N	N	8	1.4 Amp	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed		
5, 7	2-2	V	N			V	N					K	K	K	8	K	N	N	8	1.4 Amp	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed			
5, 7	2-3	V	N			V	Y					K	K	K	8	K	N	N	8	1.3 Amp	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed			
5, 7	2-4	V	Y			V	N					K	K	K	8	K	N	N	8	1.0 Amp	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed			
5, 7	2-5	V	Y			V	Y					K	K	K	8	K	N	N	8	1.3 Amp	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Home Run.		
9, 11	2-6	V	Y			V	Y					K	K	K	8	K	K	K	8	3.9 Amp	Failed	275 MΩ	275 MΩ	168 MΩ	185 MΩ	275 MΩ	111 MΩ	131 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	Home Run.		
9, 11	2-7	V	Y		V	V	Y					K	K	K	8	K	K	K	8	2.2 Amp	Failed	275 MΩ	275 MΩ	168 MΩ	188 MΩ	275 MΩ	100 MΩ	132 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ			
9, 11	2-8	V	Y			V	N					K	K	K	8	K	K	K	8	2.2 Amp	Failed	275 MΩ	275 MΩ	168 MΩ	185 MΩ	275 MΩ	111 MΩ	131 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ			
9, 11	2-9	V	N			V	N					K	K	K	8	K	K	K	8	2.2 Amp	Failed	275 MΩ	275 MΩ	168 MΩ	185 MΩ	275 MΩ	111 MΩ	131 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ			
9, 11	2-10	V	N			V	N					K	K	K	8	K	K	K	8	2.0 Amp	Failed	275 MΩ	275 MΩ	168 MΩ	185 MΩ	275 MΩ	111 MΩ	131 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ			

**Lights:** Y = Working or N = Not Working     **Arm:** D = Damaged or M = Missing     **Pole:** Concrete Base: K = Ok or D = Damaged     **GFCI:** K = Ok, D = Damaged or M = Missing  
**Lens:** D = Damaged or M = Missing     Metal Base Plate: D = Damaged or M = Missing     **Continuity:** K = Ok or N = No Continuity  
 Y = Yes or N = No

CIRCUIT #	LIGHT POLE #	Luminar						Arm			Pole			GFCI			Megger Test Results (Set for 250 Volts) Lights & GFCI										Notes		
		Street LED Fixture	Old Style Fixture	Light	Lens	Sidewalk LED Fixture	Old Style Fixture	Light	Lens	Streetlight Arm Arm/Bracket	Sidewalk Arm Arm/Bracket	Concrete Base Metal Baseplate Cover	Electrical Cover	Conductor Size AWG	GFCI Cover	GFCI Outlet	GFCI Continuity Test	Conductor Size AWG	Amper Load	L1 to L2	L1 to L3	L2 to L3	L1 to N	L2 to N	(GFCI) L3 to N	L1 to G		L2 to G	L3 to G
<b>BAYVIEW SIDE</b>																													<b>Notes:</b>
10, 12	2-11	✓		Y							K	K	K	8	K	K	K	8	1.4 Amp	Failed	Failed	Failed	145 MΩ	155 MΩ	143 MΩ	Failed	Failed	Failed	
10, 12	2-12		✓	N							K	K	K	8	K	K	K	8	1.5 Amp	Failed	Failed	Failed	145 MΩ	155 MΩ	143 MΩ	Failed	Failed	Failed	
10, 12	2-13		✓	Y							K	K	K	8	M	K	K	8	1.5 amp	Failed	Failed	Failed	145 MΩ	155 MΩ	143 MΩ	Failed	Failed	Failed	Transmitter connected to GFCI outlet. Not original GFCI cover. Light fixture rusted.
10, 12	2-14		✓	N							K	K	K	8	K	K	K	8	1.4 amp	Failed	Failed	Failed	145 MΩ	155 MΩ	143 MΩ	Failed	Failed	Failed	
10, 12	2-15	✓		Y							K	K	K	8	K	K	K	8	1.4 amp	Failed	Failed	Failed	145 MΩ	155 MΩ	143 MΩ	Failed	Failed	Failed	
6, 8	2-16	✓		Y							K	K	K	8	K	K	K	8	3.2 Amp	213 MΩ	225 MΩ	182 MΩ	251 MΩ	203 MΩ	133 MΩ	147 MΩ	98 MΩ	69.6 MΩ	Home Run.
6, 8	2-17		✓	N							K	K	K	8	K	K	K	8	3.2 Amp	213 MΩ	225 MΩ	182 MΩ	251 MΩ	200 MΩ	133 MΩ	147 MΩ	98 MΩ	67 MΩ	
6, 8	2-18		✓	N							K	K	K	8	K	K	K	8	3.2 Amp	213 MΩ	225 MΩ	182 MΩ	250 MΩ	200 MΩ	130 MΩ	140 MΩ	98 MΩ	66 MΩ	
6, 8	2-19	✓		Y							K	K	K	8	K	K	K	8	3.0 Amp	213 MΩ	225 MΩ	182 MΩ	250 MΩ	200 MΩ	132 MΩ	140 MΩ	98 MΩ	67 MΩ	

**Lights:** Y= Working or N = Not Working      **Arm:** D = Damaged or M = Missing      **Pole:** Concrete Base: K = Ok or D = Damaged      **GFCI:** K = Ok, D = Damaged or M = Missing  
**Lens:** D = Damaged or M = Missing      **Metal Base Plate:** D = Damaged or M = Missing      **Continuity:** K = Ok or N = No Continuity



CIRCUIT #	LIGHT POLE #	Luminar										Arm	Pole	GFCI	Megger Test Results (Set for 250 Volts) Lights & GFCI										VIOLATIONS BASED ON THE LATEST ASSESSMENT AND CONDITION.						
		Street LED Fixture	Old Style Fixture	Light	Lens	Sidewalk LED Fixture	Old Style Fixture	Light	Lens	Streetlight Arm	Arm/Bracket	Sidewalk Arm	Arm/Bracket	Concrete Base	Metal Baseplate Cover	Electrical Cover	Conductor Size AWG	GFCI Cover	GFCI Outlet	GFCI Continuity Test	Conductor Size AWG	Amper Load	L1 to L2	L1 to L3		L2 to L3	L1 to N	L2 to N	(GFCI) L3 to N	L1 to G	L2 to G
<b>WESTIN OCEAN SIDE</b>		<b>Notes:</b>																													
6, 8	3-1	V	Y			V	Y			K	K	K	K	K	K	8	K	K		8	0.0 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	
6, 8	3-2	V	Y			V	N			K	K	K	K	K	K	8	K	K		8	0.0 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	
6, 8	3-3	V	Y			V	Y			K	K	K	K	K	K	8	K	K	K	8	1.9 Amp	Failed	143.3 MΩ	140.7 MΩ	220 MΩ	220 MΩ	220 MΩ	Failed	Failed	137 MΩ	
6, 8	3-4	V	Y			V	Y			K	K	K	K	K	K	8	K	K	K	8	1.9 Amp	Failed	143.3 MΩ	140.7 MΩ	220 MΩ	220 MΩ	220 MΩ	Failed	Failed	137 MΩ	

Lights: Y = Working or N = Not Working      Arm: D = Damaged or M = Missing      Pole: Concrete Base: K = Ok or D = Damaged      GFCI: K = Ok, D = Damaged or M = Missing  
 Lens: D = Damaged or M = Missing      Metal Base Plate: D = Damaged or M = Missing      Continuity: K = Ok or N = No Continuity  
 Y = Yes or N = No

CIRCUIT #	LIGHT POLE #	Luminar						Arm			Pole			GFCI			Megger Test Results (Set for 250 Volts) Lights & GFCI													
		Street LED Fixture	Old Style Fixture	Light Lens	Sidewalk LED Fixture	Old Style Fixture	Light Lens	Streetlight Arm	Arm/Bracket	Sidewalk Arm	Arm/Bracket	Concrete Base	Metal Baseplate Cover	Electrical Cover	Conductor Size AWG	GFCI Cover	GFCI Outlet	GFCI Continuity Test	Continuity	Conductor Size AWG	Amper Load	L1 to L2	L1 to L3	L2 to L3	L1 to N	L2 to N	(GFCI) L3 to N	L1 to G	L2 to G	L3 to G
<b>ACROSS TARZA LAND SIDE</b>																										<b>Notes:</b>				
9, 11	3-5	√	Y					K		K	K	K	K	8	K	K	K	8	3.0 Amp	Failed	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ
9, 11	3-6	√	Y		√	N		K	K	K	K	K	K	8	K	K	K	8	0.0 Amp	Failed	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ
9, 11	3-7		√	N		√	N		K	K	K	K	K	8	K	K	K	8	0.0 Amp	Failed	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ
<b>ACROSS PACIFIC PLACE LAND SIDE</b>																														
1, 3	3-8		√	N		√	Y		K	M	K	K	K	8	K	K	K	8	6.0 Amp	122.9MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	
1, 3	3-9	√	Y		√	Y		K	K	K	K	K	K	8	K	K	K	8	0.4 Amp	122.9MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	
1, 3	3-10		√	N		√	Y		K	K	K	K	K	8	K	K	K	8	0.4 Amp	122.9MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	Transmitter connected to GFCI outlet. Not original GFCI cover.
1, 3	3-11		√	N				K	M	K	K	K	K	8	K	K	K	8	0.4 Amp	122.9MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ
1, 3	3-12	√	Y					K	M	K	K	K	K	8	K	K	K	8	0.4 Amp	122.9MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ
1, 3	3-13	√	Y		√	Y		K	K	K	K	K	K	8	K	N	N	8	0.4 Amp	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	
1, 3	3-14		√	N		√	Y		K	K	K	K	K	8	K	K	K	8	0.4 Amp	220 MΩ	220 MΩ	220 MΩ	102 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	
1, 3	3-15		√	N		√	Y		K	K	K	K	M	8	K	K	K	8	0.4 Amp	220 MΩ	220 MΩ	220 MΩ	102 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	
1, 3	3-16	√	Y		√	Y		K	K	K	K	K	K	8	K	K	K	8	0.4 Amp	220 MΩ	220 MΩ	220 MΩ	102 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	
<b>Lights:</b>		Y = Working or N = Not Working						<b>Arm:</b> D = Damaged or M = Missing			<b>Pole:</b> Concrete Base: K = Ok or D = Damaged			<b>GFCI:</b> K = Ok, D = Damaged or M = Missing																
<b>Lens:</b>		D = Damaged or M = Missing									<b>Metal Base Plate:</b> D = Damaged or M = Missing			<b>Continuity:</b> K = Ok or N = No Continuity																
		Y = Yes or N = No																												



CIRCUIT #	LIGHT POLE #	Luminar										Arm	Pole	GFCI	Megger Test Results (Set for 250 Volts) Lights & GFCI										VIOLATIONS BASED ON THE LATEST ASSESSMENT AND CONDITION.											
		Street LED Fixture	Old Style Fixture	Light	Lens	Sidewalk	LED Fixture	Old Style Fixture	Light	Lens	Streetlight Arm				Arm/Bracket	Sidewalk Arm	Arm/Bracket	Concrete Base	Metal Baseplate Cover	Electrical Cover	Conductor Size AWG	GFCI Cover	GFCI Outlet	GFCI Continuity Test		Continuity	Conductor Size AWG	Amper Load	L1 to L2	L1 to L3	L2 to L3	L1 to N	L2 to N	(GFCI) L3 to N	L1 to G	L2 to G
<b>OCEAN SIDE</b>																								<b>Notes:</b>												
6, 8	4-1	V	Y				V	Y			K	K	K	K	K	8	K	K	K	K	8	2.0 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	Metal baseplate cover has slight rust.	
6, 8	4-2	V	Y				V	Y			K	K	K	K	K	8	K	K	K	K	8	2.0 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	Over grown vegetation.	
6, 8	4-3	V	N				V	Y			K	K	K	K	K	8	K	K	K	K	8	2.0 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	CCTV connected to GFCI outlet. Not original GFCI cover.	
6, 8	4-4	V	Y				V	Y			K	K	K	K	M	8	K	K	K	K	8	2.0 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ		
6, 8	4-5	V	Y				V	Y			K	K	K	K	K	8	K	K	K	K	8	2.0 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	Failed	275 MΩ	275 MΩ	275 MΩ	275 MΩ			
10, 12	4-6	V	Y			V		Y			K	K	K	K	K	8	K	K	K	K	8	1.5 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	Over grown vegetation.		
10, 12	4-7	V	Y				V	N			K	K	K	K	K	8	K	K	K	K	8	1.5 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	CCTV connected to GFCI outlet. Not original GFCI cover.		
10, 12	4-8	V	N				V	N			K	K	K	K	K	8	K	K	K	K	8	1.5 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ			
10, 12	4-9	V	N				V	Y			K	K	K	K	K	8	K	K	K	K	8	1.5 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ			

**Lights:** Y = Working or N = Not Working  
**Lens:** D = Damaged or M = Missing  
 Y = Yes or N = No  
**Arm:** D = Damaged or M = Missing  
**Pole:** Concrete Base: K = Ok or D = Damaged  
 Metal Base Plate: D = Damaged or M = Missing  
**GFCI:** K = Ok, D = Damaged or M = Missing  
**Continuity:** K = Ok or N = No Continuity



CIRCUIT #	LIGHT POLE #	Luminar						Arm		Pole		GFCI			Megger Test Results (Set for 250 Volts) Lights & GFCI										Notes:			
		Street LED Fixture	Old Style Fixture	Light Lens	Sidewalk LED Fixture	Old Style Fixture	Light Lens	Streetlight Arm/Bracket	Sidewalk Arm/Bracket	Concrete Base Metal Baseplate Cover	Electrical Cover	Conductor Size AWG	GFCI Cover	GFCI Outlet	GFCI Continuity Test	Conductor Size AWG	Amper Load	L1 to L2	L1 to L3	L2 to L3	L1 to N	L2 to N	(GFCI) L3 to N	L1 to G		L2 to G	L3 to G	
<b>LAND SIDE</b>																												
9, 11	4-10	V	N				K	K	K	K	K	8	K	K	8	3.5 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	
9, 11	4-11	V	N		V	Y	K	K	K	K	K	8	M	K	K	8	3.5 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	
9, 11	4-12	V	Y		V	Y	K	K	K	K	K	8		K	K	8	3.5 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	CCTV connected to GFCI outlet. Not original GFCI cover.
9, 11	4-13	V	N				K	K	K	K	K	8		K	K	8	3.5 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	CCTV connected to GFCI outlet. Not original GFCI cover.
5, 7	4-14	V	Y		V	N	K	K	K	K	K	8	K	K	K	8	1.5 Amp	275 MΩ	275 MΩ	275 MΩ	Failed	275 MΩ	275 MΩ	Failed	275 MΩ	275 MΩ	275 MΩ	
5, 7	4-15	V	Y		V	Y	K	K	K	K	K	8	K	N	N	8	1.2 Amp	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	
5, 7	4-16	V	N		V	N	K	K	K	K	K	8	K	N	N	8	1.1 Amp	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	
5, 7	4-17	V	Y		V	Y	K	K	K	K	K	8	K	K	K	8	1.3 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	
5, 7	4-18	V	N		V	Y	K	K	K	K	K	8	M	K	K	8	0.8 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	Electrical cover missing screw - 1ea.
<b>Lights:</b> Y = Working or N = Not Working <b>Arm:</b> D = Damaged or M = Missing <b>Pole:</b> Concrete Base: K = Ok or D = Damaged <b>GFCI:</b> K = Ok, D = Damaged or M = Missing <b>Lens:</b> D = Damaged or M = Missing <b>Metal Base Plate:</b> D = Damaged or M = Missing <b>Continuity:</b> K = Ok or N = No Continuity Y = Yes or N = No																												



CIRCUIT #	LIGHT POLE #	Luminar					Arm	Pole	GFCI	Megger Test Results (Set for 250 Volts) Lights & GFCI											Defective							
		Street LED Fixture	Old Style Fixture	Light	Lens	Sidewalk				Streetlight Arm	Sidewalk Arm	Concrete Base	Metal Baseplate	Electrical Cover	Conductor Size AWG	GFCI Cover	GFCI Outlet	GFCI Continuity Test	Conductor Size AWG	Amper Load		L1 to L2	L1 to L3	L2 to L3	L1 to N	L2 to N	(GFCI) L3 to N	L1 to G
<b>OCEAN SIDE</b>																											<b>Notes:</b>	
5, 7	5-1		V	Y			K	M	K	K	K	K	8	K	K	8	2.0 Amp	MΩ	142.3 MΩ	80 MΩ	80 MΩ	150 MΩ	150 MΩ	73.5 MΩ	75.5 MΩ	Failed	Defective Photocell - 1ea. Defective Photocell Base - 1ea. 2" SS Unistrut Clamp - 1ea. 3/4" SS Unistrut Clamp - 1ea. 3/8" x 6" SS bolt - 6ea. 3/8" SS flat washer - 28ea. 3/8" x 3" SS bolts - 8ea. SS Channel - 3ea. Wire inside panel SLP-5 is exposed. Photocell wire exposed. Circuit breaker enclosure can not identify. Cabinet has no tag. No one line diagram. Need update panel schedule. Cabinet dirty. Need to secure selector switch. Panel SLP-5 right side bottom corroded. Need dedicated neutral line for GFCI. GFCI circuit is being utilized by camera and transmitter. Inadequate circuit breaker size for wire being used. Undersize circuit breaker for light circuit and median circuit Corrosion on conduit connectors.	
5, 7	5-2	V	V	Y			K	M	K	K	K	K	8	K	K	8	0.2 Amp	MΩ	142.3 MΩ	80 MΩ	80 MΩ	150 MΩ	150 MΩ	73.5 MΩ	75.5 MΩ	Failed		
5, 7	5-3		V	Y			K	M	K	K	K	K	8	K	K	8	0.2 Amp	MΩ	142.3 MΩ	80 MΩ	80 MΩ	150 MΩ	150 MΩ	73.5 MΩ	75.5 MΩ	Failed		
5, 7	5-4		V	N			K	M	K	K	K	K	8	K	K	8	0.2 Amp	MΩ	142.3 MΩ	80 MΩ	80 MΩ	150 MΩ	150 MΩ	73.5 MΩ	75.5 MΩ	Failed		
5, 7	5-5		V	N			K	M	K	K	K	K	8	K	K	8	0.2 Amp	MΩ	142.3 MΩ	80 MΩ	80 MΩ	150 MΩ	150 MΩ	73.5 MΩ	75.5 MΩ	Failed		
5, 7	5-6		V	N			K	M	K	K	K	K	8	K	K	8	0.2 Amp	MΩ	142.3 MΩ	80 MΩ	80 MΩ	150 MΩ	150 MΩ	73.5 MΩ	75.5 MΩ	Failed		
5, 7	5-7		V	N			K	M	K	K	K	K	8	K	K	8	0.2 Amp	MΩ	142.3 MΩ	80 MΩ	80 MΩ	150 MΩ	150 MΩ	73.5 MΩ	75.5 MΩ	Failed		
9, 11	5-8		V	Y			K	M	D	K	K	K	8	K	K	8	0.2 Amp	MΩ	142.3 MΩ	80 MΩ	80 MΩ	150 MΩ	150 MΩ	73.5 MΩ	75.5 MΩ	Failed		
9, 11	5-9		V	N			K	M	K	M	K	K	8	K	K	8	0.2 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ		
9, 11	5-10		V	N			K	M	K	K	K	K	8	K	K	8	2.0 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ		

**Lights:** Y = Working or N = Not Working **Arm:** D = Damaged or M = Missing **Pole:** Concrete Base: K = Ok or D = Damaged **GFCI:** K = Ok, D = Damaged or M = Missing  
**Lens:** D = Damaged or M = Missing **Continuity:** K = Ok or N = No Continuity  
 Y = Yes or N = No





CIRCUIT #	LIGHT POLE #	Luminar												Arm		Pole		GFCI		Megger Test Results (Set for 250 Volts) Lights & GFCI											VIOLATIONS BASED ON THE LATEST ASSESSMENT AND CONDITION.			
		Street	LED Fixture	Old Style Fixture	Light	Lens	Sidewalk	LED Fixture	Old Style Fixture	Light	Lens	Streetlight Arm	Arm/Bracket	Sidewalk Arm	Arm/Bracket	Concrete Base	Metal Baseplate Cover	Electrical Cover	Conductor Size AWG	GFCI Cover	GFCI Outlet	GFCI Continuity Test	Continuity	Conductor Size AWG	Amper Load	L1 to L2	L1 to L3	L2 to L3	L1 to N	L2 to N	(GFCI) L3 to N	L1 to G	L2 to G	L3 to G
<b>OCEAN SIDE</b>																																		
9, 11	6-1	V	Y				V	Y			K	K	K	K	K	K	K	8	K	K	K	8	3.2 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	Metal baseplate cover has slight rust.
9, 11	6-2	V	Y				V	Y			K	K	K	K	K	K	K	8	K	K	K	8	3.2 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	
9, 11	6-3	V	Y				V	Y			K	K	K	K	K	K	K	8	K	K	K	8	3.2 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	
9, 11	6-4	V	Y				V	N			K	K	K	K	K	K	K	8	K	K	K	8	3.2 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	
5, 7	6-5	V	N				V	Y			K	K	K	K	K	K	K	8	K	K	K	8	2.5 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	
5, 7	6-6	V	Y								K	K	K	K	K	K	K	8	K	K	K	8	1.5 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	
5, 7	6-7	V	Y								K	K	K	D	K	K	K	8	K	K	K	8	1.5 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	
5, 7	6-8	V	Y								D	K	K	K	K	K	K	8	K	K	K	8	1.5 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	Fixture Damage.
5, 7	6-9	V	Y								K	K	K	K	K	K	K	8	K	K	K	8	1.3 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	

Lights: Y = Working or N = Not Working      Arm: D = Damaged or M = Missing      Pole: Concrete Base: K = Ok or D = Damaged      GFCI: K = Ok, D = Damaged or M = Missing  
 Lens: D = Damaged or M = Missing      Metal Base Plate: D = Damaged or M = Missing      Continuity: K = Ok or N = No Continuity  
 Y = Yes or N = No

CIRCUIT #	LIGHT POLE #	Luminar						Arm			Pole		GFCI			Megger Test Results (Set for 250 Volts) Lights & GFCI										Notes:							
		Street LED Fixture	Old Style Fixture	Light Lens	Sidewalk LED Fixture	Old Style Fixture	Light Lens	Streetlight Arm Arm/Bracket	Arm Arm/Bracket	Sidewalk Arm Arm/Bracket	Concrete Base Metal Baseplate Cover	Electrical Cover	Conductor Size AWG	GFCI Cover	GFCI Outlet	GFCI Continuity Test	Conductor Size AWG	Amper Load	L1 to L2	L1 to L3	L2 to L3	L1 to N	L2 to N	(GFCI) L3 to N	L1 to G		L2 to G	L3 to G					
<b>LAND SIDE</b>																																	
10, 12	6-10	√		Y			√		Y			K	K	K	K	K	8	K	K	K	8	2.0 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	Failed	275 MΩ	275 MΩ	Failed	CCTV connected to GFCI outlet. Not original GFCI cover. Damage CCTV.	
10, 12	6-11	√		Y			√		Y			K	K	K	K	K	8	K	K	K	8	2.0 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	Metal baseplate cover missing screw - 1ea.
10, 12	6-12		√	Y			√		Y			K	K	K	K	K	8	K	N	N	8	2.0 Amp	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed		
10, 12	6-13	√		Y			√		Y			K	K	K	K	K	8	K	N	N	8	2.0 Amp	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed		
6, 8	6-14		√	Y			√		Y			K	K	K	K	K	8	K	K	K	8	1.8 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ		
6, 8	6-15	√		Y			√		N			K	K	K	K	K	8	K	K	K	8	1.6 Amp	275 MΩ	275 MΩ	275 MΩ	150 MΩ	180 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ		
6, 8	6-16	√		Y			√		N			K	K	K	K	K	8	K	K	K	8	0.8 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ		
6, 8	6-17	√		N			√		N			K	K	K	K	K	8	K	K	K	8	0.7 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ		
6, 8	6-18		√	Y			√		N			K	K	K	K	K	8	K	K	K	8	1.1 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ		

**Lights:** Y = Working or N = Not Working      **Arm:** D = Damaged or M = Missing      **Pole:** Concrete Base: K = Ok or D = Damaged      **GFCI:** K = Ok, D = Damaged or M = Missing  
**Lens:** D = Damaged or M = Missing      **Metal Base Plate:** D = Damaged or M = Missing      **Continuity:** K = Ok or N = No Continuity  
Y = Yes or N = No



CIRCUIT #	LIGHT POLE #	Luminar										Arm		Pole		GFCI		Megger Test Results (Set for 250 Volts) Lights & GFCI										Defective Photocell - 1ea. Defective photocell base - 1ea. 3/8" x 5" SS bolts - 12ea. 3/8" SS washer - 24ea. 3/8" SS nuts - 12ea. 2" SS Unistrut - 1ea. 3/4" SS Unistrut - 1ea. Channel has to be SS - 3ea. Wire inside panel SLP-7 expose. Cabinet has no tag. No one line diagram. Need to patch up holes - 2ea. Panel SLP-7 corroded right side top & bottom. Update panel schedule. Need dedicated neutral line for GFCI. GFCI circuit is being utilized by camera and transmitter. Inadequate circuit breaker size for wire being used. Undersize circuit breaker for light circuit and median circuit Corrosion on conduit connectors.							
		Street	LED Fixture	Old Style Fixture	Light	Lens	Sidewalk	LED Fixture	Old Style Fixture	Light	Lens	Streetlight Arm	Arm/Bracket	Sidewalk Arm	Arm/Bracket	Concrete Base	Metal Baseplate Cover	Electrical Cover	Conductor Size AWG	GFCI Cover	GFCI Outlet	GFCI Continuity Test	Continuity	Conductor Size AWG	Amper Load	L1 to L2	L1 to L3		L2 to L3	L1 to N	L2 to N	(GFCI) L3 to N	L1 to G	L2 to G	L3 to G
<b>OCEAN SIDE</b>		<b>Notes:</b>																																	
5, 7	7-1	V	Y			V	Y							K	K	K	8	K	K	K	8	3.6 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	Electrical cover missing screw - 1ea. Over grown vegetation.	
5, 7	7-2		V	Y		V	Y							K	M	K	8	K	K	K	8	0.0 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ		
5, 7	7-3	V	Y			V	Y							K	K	K	8	K	K	K	8	0.0 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ		
5, 7	7-4		V	Y		V	Y							K	K	K	8	K	K	K	8	0.0 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ		
5, 7	7-5		V	Y		V	Y							K	K	K	8	K	K	K	8	0.0 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	Over grown vegetation.	
9, 11	7-6	V	Y			V	Y					M		K	K	K	8	K	K	K	8	1.8 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ		
9, 11	7-7		V	Y		V	N							K	K	K	8	K	K	K	8	1.1 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ		
9, 11	7-8		V	N		V	Y							K	K	K	8	K	K	K	8	0.6 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	Over grown vegetation.	

Lights: Y = Working or N = Not Working      Arm: D = Damaged or M = Missing      Pole: Concrete Base: K = Ok or D = Damaged      GFCI: K = Ok, D = Damaged or M = Missing  
 Lens: D = Damaged or M = Missing      Metal Base Plate: D = Damaged or M = Missing      Continuity: K = Ok or N = No Continuity  
 Y = Yes or N = No

CIRCUIT #	LIGHT POLE #	Luminaire						Arm			Pole			GFCI			Megger Test Results (Set for 250 Volts) Lights & GFCI												Circuit breaker enclosure inside SLP-7 can not identify
		Street LED Fixture	Old Style Fixture	Light Lens	Sidewalk LED Fixture	Old Style Fixture	Light Lens	Streetlight Arm/Bracket	Sidewalk Arm/Bracket	Concrete Base Metal Baseplate Cover	Electrical Cover	Conductor Size AWG	GFCI Cover	GFCI Outlet	GFCI Continuity Test	Conductor Size AWG	Amper Load	L1 to L2	L1 to L3	L2 to L3	L1 to N	L2 to N	(GFCI) L3 to N	L1 to G	L2 to G	L3 to G			
<b>LAND SIDE</b>																										<b>Notes:</b>			
10, 12	7-9	V	N							K	K	K	8	M		K	K	8	2.9 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	Failed	220 MΩ	220 MΩ	Transmitter connected to GFCI outlet. Not original GFCI cover.
10, 12	7-10	V	N							K	K	K	8	K		K	K	8	2.9 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	Failed	220 MΩ	220 MΩ	
10, 12	7-11	V	Y							K	K	K	8	K		K	K	8	2.9 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	Failed	220 MΩ	220 MΩ	Over grown vegetation.
10, 12	7-12	V	Y							K	K	K	8	M		K	K	8	2.9 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	Failed	220 MΩ	220 MΩ	
10, 12	7-13	V	N		V					K	K	K	6 & 8	K		K	K	8	0.2 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	Electrical cover missing screw - 1ea.
6, 8	7-14	V	Y		V	N				K	K	K	8	M		K	K	8	2.3 Amp	220 MΩ	102 MΩ	220 MΩ	220 MΩ	220 MΩ	182 MΩ	99 MΩ	220 MΩ	Failed	CCTV connected to GFCI outlet. Not original GFCI cover. Over grown vegetation.
6, 8	7-15	V	Y		V	Y				K	K	K	8	K		K	K	8	0.6 Amp	220 MΩ	102 MΩ	220 MΩ	220 MΩ	220 MΩ	182 MΩ	99 MΩ	220 MΩ	Failed	Electrical cover missing screw - 1ea. Banner arm missing - 1ea.
6, 8	7-16	V	Y		V	Y				K	K	K	8	K		K	K	8	0.6 Amp	220 MΩ	102 MΩ	220 MΩ	220 MΩ	220 MΩ	182 MΩ	99 MΩ	220 MΩ	Failed	Electrical cover missing screw - 1ea. Banner arm missing - 1ea.
6, 8	7-17	V	N		V	N				K	K	K	8	K		K	K	8	0.6 Amp	220 MΩ	102 MΩ	220 MΩ	220 MΩ	220 MΩ	182 MΩ	99 MΩ	220 MΩ	Failed	

**Lights:** Y = Working or N = Not Working      **Arm:** D = Damaged or M = Missing      **Pole:** Concrete Base: K = Ok or D = Damaged      **GFCI:** K = Ok, D = Damaged or M = Missing  
**Lens:** D = Damaged or M = Missing      Metal Base Plate: D = Damaged or M = Missing      **Continuity:** K = Ok or N = No Continuity  
Y = Yes or N = No



CIRCUIT #	LIGHT POLE #	Luminar										Arm	Pole	GFCI		Megger Test Results (Set for 250 Volts) Lights & GFCI													Notes			
		Street LED Fixture	Old Style Fixture	Light	Lens	Sidewalk LED Fixture	Old Style Fixture	Light	Lens	Streetlight Arm	Arm/Bracket			Sidewalk Arm	Arm/Bracket	Concrete Base	Metal Baseplate Cover	Electrical Cover	Conductor Size AWG	GFCI Cover	GFCI Outlet	GFCI Continuity Test	Continuity	Conductor Size AWG	Amper Load	L1 to L2	L1 to L3	L2 to L3		L1 to N	L2 to N	(GFCI) L3 to N
<b>OCEAN SIDE</b>																											<b>Notes:</b>					
9, 11	8-1		V	N										K	K	8		K	K	8	2.3 Amp	275 MΩ	No Line 3	No Line 3	No Neutral	No Neutral	No L3 & N	275 MΩ	275 MΩ	Failed	No Line 3	
9, 11	8-2		V	Y										M	M	8		K	K	8	2.0 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	204 MΩ	80.3 MΩ	58.3 MΩ	135.7 MΩ	Failed		
9, 11	8-3		V	Y										K	K	8		N	N	8	2.2 Amp	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	All Splices are being taped no wire nut. Home Run. No continuity G & N to L1, L2 & L3.
5, 7	8-4		V	Y										K	K	8		K	K	8	2.9 Amp	Failed	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	233 MΩ	248 MΩ	275 MΩ		
5, 7	8-5		V	Y										K	K	8		K	K	8	2.8 Amp	Failed	136.7 MΩ	219 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	
5, 7	8-6		V	N										K	K	8		K	K	8	2.9 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	Line 2 no continuity.
5, 7	8-7		V	Y										K	K	8		K	K	8	2.9 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	
																						MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	

**Lights:** Y = Working or N = Not Working      **Arm:** D = Damaged or M = Missing      **Pole:** Concrete Base: K = Ok or D = Damaged      **GFCI:** K = Ok, D = Damaged or M = Missing  
**Lens:** D = Damaged or M = Missing      **Metal Base Plate:** D = Damaged or M = Missing      **Continuity:** K = Ok or N = No Continuity  
 Y = Yes or N = No







CIRCUIT #	LIGHT POLE #	Luminar										Arm			Pole		GFCI		Megger Test Results (Set for 250 Volts) Lights & GFCI										Ckt #6 for GFCI, breaker tripping. Need dedicated neutral line for GFCI. GFCI circuit is being utilized by camera and transmitter. Inadequate circuit breaker size for wire being used. Undersize circuit breaker for light circuit and median circuit Corrosion on conduit connectors. Need to update panel schedule and one line diagram.					
		Street	LED Fixture	Old Style Fixture	Light	Lens	Sidewalk	LED Fixture	Old Style Fixture	Light	Lens	Streetlight Arm	Arm/Bracket	Sidewalk Arm	Arm/Bracket	Concrete Base	Metal Baseplate Cover	Electrical Cover	Conductor Size AWG	GFCI Cover	GFCI Outlet	GFCI Continuity Test	Conductor Size AWG	Amper Load	L1 to L2	L1 to L3	L2 to L3	L1 to N		L2 to N	(GFCI) L3 to N	L1 to G	L2 to G	L3 to G
<b>OCEAN SIDE</b>																													<b>Notes:</b>					
7,9	10-1		V	Y											K	K	K	8	K	K	K	8	3.2 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ		
7,9	10-2	V	Y			V	Y								K	K	K	8	K	K	K	8	3.2 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	
7,9	10-3		V	Y				V	Y						K	K	K	8	K	K	K	8	3.2 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	
7,9	10-4		V	N				V	Y						K	K	K	8	K	K	K	8	3.2 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	
7,9	10-5	V	Y			V	Y								K	K	K	8	K	K	K	8	3.2 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	
3,5	10-6		V	N				V	Y						K	K	K	8	K	K	K	8	3.2 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	
3,5	10-7	V	Y			V	N								K	K	K	8	K	K	K	8	1.7 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	
3,5	10-8		V	Y				V	Y						K	K	K	8	K	K	K	8	1.7 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	
3,5	10-9		V	N				V	Y						K	K	K	8	K	K	K	8	1.7 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	
3,5	10-10		V	N				V	N						K	K	K	8	K	K	K	8	1.7 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	

Lights: Y = Working or N = Not Working      Arm: D = Damaged or M = Missing      Pole: Concrete Base: K = Ok or D = Damaged      GFCI: K = Ok, D = Damaged or M = Missing  
 Lens: D = Damaged or M = Missing      Metal Base Plate: D = Damaged or M = Missing      Continuity: K = Ok or N = No Continuity  
 Y = Yes or N = No

CIRCUIT #	LIGHT POLE #	Luminar									Arm			Pole			GFCI			Megger Test Results (Set for 250 Volts) Lights & GFCI										
		Street LED Fixture	Old Style Fixture	Light	Lens	Sidewalk LED Fixture	Old Style Fixture	Light	Lens	Streetlight Arm/Bracket	Sidewalk Arm/Bracket	Concrete Base Metal Baseplate Cover	Electrical Cover	Conductor Size AWG	GFCI Cover	GFCI Outlet	GFCI Continuity Test	Continuity	Conductor Size AWG	Amper Load	L1 to L2	L1 to L3	L2 to L3	L1 to N	L2 to N	(GFCI) L3 to N	L1 to G	L2 to G	L3 to G	
<b>LAND SIDE</b>																		<b>Notes:</b>												
12, 14	10-11	✓		Y										K	K	8	K	N	K	8	3.4 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ
12, 14	10-12	✓		Y		✓		Y						K	K	8	K	N	K	8	3.4 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ
12, 14	10-13		✓	Y										K	K	8	K	N	K	8	3.4 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ
12, 14	10-14		✓	N				✓	N					K	K	8	K	N	K	8	3.4 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ
12, 14	10-15		✓	Y				✓	Y					K	K	8	K	N	K	8	3.4 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ
11, 13	10-16		✓	Y		✓			Y					K	K	8	K	N	K	8	2.8 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ
11, 13	10-17		✓	Y				✓	Y					K	K	8	K	N	K	8	2.8 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ
11, 13	10-18		✓	Y				✓	Y					K	K	8	K	N	K	8	2.8 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ
11, 13	10-19		✓	Y				✓	Y					K	K	8	K	N	K	8	2.8 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ

**Lights:** Y = Working or N = Not Working     **Arm:** D = Damaged or M = Missing     **Pole:** Concrete Base: K = Ok or D = Damaged     **GFCI:** K = Ok, D = Damaged or M = Missing  
**Lens:** D = Damaged or M = Missing     **Metal Base Plate:** D = Damaged or M = Missing     **Continuity:** K = Ok or N = No Continuity  
Y = Yes or N = No



CIRCUIT #	LIGHT POLE #	Luminar								Arm		Pole	GFCI				Megger Test Results (Set for 250 Volts) Lights & GFCI										Notes									
		Street LED Fixture	Old Style Fixture	Light	Lens dirty	Lens	Sidewalk LED Fixture	Old Style Fixture	Light	Lens dirty	Lens	Streetlight Arm	Arm/Bracket	Sidewalk Arm	Arm/Bracket	Concrete Base	Metal Baseplate Cover	Electrical Cover	Conductor Size AWG	GFCI Cover	GFCI Outlet	GFCI Continuity Test	Continuity	Conductor Size AWG	Amper Load	L1 to L2		L1 to L3	L2 to L3	L1 to N	L2 to N	(GFCI) L3 to N	L1 to G	L2 to G	L3 to G	
<b>OCEAN SIDE</b>		<b>Notes:</b>																																		
3, 5	11-1	✓	Y	Y			✓	Y	Y					K	K	K	8	K	K	K	8	0.0 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	Metal baseplate cover has some bad rust areas.	
3, 5	11-2	✓	Y	Y			✓	Y	Y					K	K	K	8	K	K	K	8	0.0 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	Over grown vegetation.	
3, 5	11-3	✓	N	N			✓	Y	Y					K	K	K	8	K	K	K	8	0.0 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	CCTV connected to GFCI outlet. Not original GFCI cover. Additional conduit for CCTV attached to pole. Over grown vegetation.	
3, 5	11-4	✓	Y	Y			✓	Y	Y					K	K	M	8	K	K	K	8	0.0 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	Over grown vegetation.
3, 5	11-5	✓	Y	Y			✓	Y	Y					K	K	K	8	K	K	K	8	0.0 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	Electrical cover missing screw - 1ea. Over grown vegetation.
3, 5	11-6	✓	Y	Y			✓	Y	Y					K	K	K	8	K	K	K	8	4.8 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	Metal baseplate cover has slight rust.
3, 5	11-7	✓	Y	Y			✓	Y	Y					K	K	K	8	K	K	K	8	4.8 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	Metal baseplate cover has slight rust.	
11, 13	11-8	✓	N	N			✓	Y	Y					K	D	K	8	K	K	K	8	1.2 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ		
11, 13	11-9	✓	N	N			✓	N	N					K	K	K	8	K	K	K	8	0.3 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	Transmitter connected to GFCI outlet. Not original GFCI cover. Metal baseplate cover has slight rust.

**Lights:** Y = Working or N = Not Working     
**Arm:** D = Damaged or M = Missing     
**Pole:** Concrete Base: K = Ok or D = Damaged     
**GFCI:** K = Ok, D = Damaged or M = Missing  
**Lens:** D = Damaged or M = Missing     
Metal Base Plate: D = Damaged or M = Missing     
**Continuity:** K = Ok or N = No Continuity  
Y = Yes or N = No

CIRCUIT #	LIGHT POLE #	Luminar						Arm		Pole	GFCI			Megger Test Results (Set for 250 Volts) Lights & GFCI																						
		Street LED Fixture	Old Style Fixture	Light	Lens dirty	Lens	Sidewalk LED Fixture	Old Style Fixture	Light	Lens dirty	Lens	Streetlight Arm	Arm/Bracket	Sidewalk Arm	Arm/Bracket	Concrete Base	Metal Baseplate Cover	Electrical Cover	Conductor Size AWG	GFCI Cover	GFCI Outlet	GFCI Continuity Test	Continuity		Conductor Size AWG	Amper Load	L1 to L2	L1 to L3	L2 to L3	L1 to N	L2 to N	(GFCI) L3 to N	L1 to G	L2 to G	L3 to G	
<b>LAND SIDE</b>																													<b>Notes:</b>							
7, 9	11-9	V	Y	Y			V	Y	Y					K	K	K	8	K	K	K	8				220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	Light fixture damage Sidewalk side. Over grown vegetation.	
7, 9	11-10	V	N	N			V	Y	Y					K	K	K	8	K	K	K	8				220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	Metal baseplate cover missing screw - 1ea. & has slight rust. Light fixture damage Streetside.	
7, 9	11-11	V	Y	Y			V	Y	Y					K	K	K	8	K	K	K	8				220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	Metal baseplate cover missing screw - 1ea.	
7, 9	11-12	V	Y	Y			V	Y	Y					K	K	K	8	K	K	K	8				220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ		
7, 9	11-13	V	Y	Y			V	N	N					K	K	K	8	K	N	N	8				Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Need to replace wire. 1" flex conduit with box connected to 240V light. 2 #8 wires red and 1 #10 ground.	
7, 9	11-14	V	Y	Y			V	Y	Y					K	K	K	8	K	K	K	8				220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	Metal baseplate cover has slight rust.	
7, 9	11-15	V	Y	Y			V	Y	Y					K	K	K	8	K	K	K	8				Failed	Failed	Failed	220 MΩ	220 MΩ	220 MΩ	Failed	Failed	Failed	Failed		
12, 14	11-16	V	N	N			V	Y	Y					K	K	K	8	K	N	N	8				Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	SLP-11 to pole #18 need to replace wire.	
12, 14	11-17	V	Y	Y			V	Y	Y					K	K	K	8	K	N	N	8				Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Need to replace wire.	
12, 14	11-18	V	N	N			V	N	N					K	K	K	8	K	N	N	8				Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed		

**Lights:** Y = Working or N = Not Working      **Arm:** D = Damaged or M = Missing      **Pole:** Concrete Base: K = Ok or D = Damaged      **GFCI:** K = Ok, D = Damaged or M = Missing  
**Lens:** D = Damaged or M = Missing      **Metal Base Plate:** D = Damaged or M = Missing      **Continuity:** K = Ok or N = No Continuity  
 Y = Yes or N = No



CIRCUIT #	LIGHT POLE #	Luminar						Arm	Pole	GFCI			Megger Test Results (Set for 250 Volts) Lights & GFCI										Notes								
		Street LED Fixture	Old Style Fixture	Light Lens dirty	Lens	Sidewalk LED Fixture	Old Style Fixture			Light Lens dirty	Lens	Streetlight Arm/Bracket	Sidewalk Arm/Bracket	Concrete Base	Metal Baseplate Cover	Electrical Cover	Conductor Size AWG	GFCI Cover	GFCI Outlet	GFCI Continuity Test	Continuity	Conductor Size AWG		Amper Load	L1 to L2	L1 to L3	L2 to L3	L1 to N	L2 to N	(GFCI) L3 to N	L1 to G
<b>OCEAN SIDE</b>																						<b>Notes:</b>									
3, 5	12-1	V	N	N		V	N	N			K	K	K	8	K	K	K	8	3.3 Amp	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	CCTV connected to GFCI outlet. Not original GFCI cover. Additional 3/4" aluminum conduit for CCTV attached to pole damaged. Electrical cover screw broken - 1ea. Metal baseplate cover corroded in some areas. Over grown vegetation.
3, 5	12-2	V	Y	Y		V	Y	Y			K	K	K	8	K	K	K	8	3.2 Amp	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	
3, 5	12-3	V	Y	Y		V	N	N			K	D	K	8	K	K	K	8	3.0 Amp	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	Metal baseplate cover corroded in some areas. Over grown vegetation.
3, 5	12-4	V	Y	Y		V	N	N			K	D	K	8	K	K	K	8	3.2 Amp	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	Metal baseplate cover corroded in some areas. Over grown vegetation.
3, 5	12-5	V	Y	Y		V	Y	Y			K	K	K	8	K	K	K	8	3.1 Amp	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	Metal baseplate cover has slight rust. Over grown vegetation.
12, 14	12-6	V	N	N		V	N	N			K	K	K	8	K	N	N	8	0.0 Amp	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Metal baseplate cover missing screw - 1ea. Over grown vegetation. Need to replace wire Ckt 12-14-4 from SLP-12 to pole #6.
12, 14	12-7	V	N	N		V	N	N			K	K	K	8	K	N	N	10	0.0 Amp	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Metal baseplate cover has slight rust. Over grown vegetation. Need to replace wire Ckt 12-14-4 from pole #6 to pole #7.
12, 14	12-8	V	N	N		V	N	N			K	K	K	8	K	K	K	8	3.3 Amp	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	Metal baseplate cover has some bad rust areas. Over grown vegetation.
12, 14	12-9	V	N	N		V	N	N			K	K	K	8	K	K	K	8	3.3 Amp	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	
12,14	12-10	V	N	N		V	N	N			K	D	K	8	K	K	K	8	3.0 Amp	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	220 MQ	Metal baseplate cover corroded in some areas.

Lights: Y = Working or N = Not Working      Arm: D = Damaged or M = Missing      Pole: Concrete Base: K = Ok or D = Damaged      GFCI: K = Ok, D = Damaged or M = Missing  
 Lens: D = Damaged or M = Missing      Metal Base Plate: D = Damaged or M = Missing      Continuity: K = Ok or N = No Continuity  
 Y = Yes or N = No

CIRCUIT #	LIGHT POLE #	Luminar						Arm		Pole	GFCI			Megger Test Results (Set for 250 Volts) Lights & GFCI										Notes:											
		Street LED Fixture	Old Style Fixture	Light	Lens dirty	Lens	Sidewalk LED Fixture	Old Style Fixture	Light	Lens dirty	Lens	Streetlight Arm	Arm/Bracket	Sidewalk Arm	Arm/Bracket	Concrete Base	Metal Baseplate Cover	Electrical Cover	Conductor Size AWG	GFCI Cover	GFCI Outlet	GFCI Continuity Test	Continuity		Conductor Size AWG	Amper Load	L1 to L2	L1 to L3	L2 to L3	L1 to N	L2 to N	(GFCI) L3 to N	L1 to G	L2 to G	L3 to G
<b>LAND SIDE</b>																																			
7, 9	12-11		√	Y	Y		√	Y	Y					K	K	K	K	8	K	K	K	8	3.7 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ		
7, 9	12-12		√	Y	Y		√	Y	Y					K	K	K	K	8	K	K	K	8	3.6 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ		
7, 9	12-13		√	Y	Y		√	N	N					K	K	K	K	8	K	K	K	8	3.6 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ		Metal baseplate cover has slight rust & missing screw - 1ea. Over grown vegetation.
7, 9	12-14		√	Y	Y		√	Y	Y					K	K	K	K	8	K	K	K	8	3.0 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ		Metal baseplate cover has slight rust.
11, 13	12-15		√	Y	Y		√	Y	Y					K	K	K	K	8	K	K	K	8	4.4 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ		Over grown vegetation.
11, 13	12-16		√	Y	Y		√	Y	Y					K	K	K	K	8	K	K	K	8	4.3 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ		Transmitter connected to GFCI outlet. Not original GFCI cover. Metal baseplate cover has slight rust.
11, 13	12-17		√	N	N		√	Y	Y					K	K	K	K	8	K	K	K	8	4.4 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ		
11, 13	12-18		√	Y	Y		√	Y	Y					K	K	K	K	8	K	K	K	8	4.4 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ		Metal baseplate cover has slight rust.
11, 13	12-19		√	N	N		√	Y	Y					K	K	K	K	8	K	K	K	8	4.0 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ		
11, 13	12-20		√	Y	Y		√	Y	Y					K	K	K	K	8	K	K	K	8	4.3 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ		Metal baseplate cover has slight rust.

Lights: Y = Working or N = Not Working

Arm: D = Damaged or M = Missing

Pole: Concrete Base: K = Ok or D = Damaged

GFCI: K = Ok, D = Damaged or M = Missing

Lens: D = Damaged or M = Missing

Metal Base Plate: D = Damaged or M = Missing

Continuity: K = Ok or N = No Continuity

Y = Yes or N = No



CIRCUIT #	LIGHT POLE #	Luminar														Arm		Pole		GFCI		Megger Test Results (Set for 250 Volts) Lights & GFCI														Notes	
		Street	LED Fixture	Old Style Fixture	Light	Lens	Sidewalk	LED Fixture	Old Style Fixture	Light	Lens	Street Light Arm	Arm/Bracket	Sidewalk Arm	Arm/Bracket	Concrete Base	Metal Baseplate Cover	Electrical Cover	Conductor Size AWG	GFCI Cover	GFCI Outlet	GFCI Continuity Test	Continuity	Conductor Size AWG	Amper Load	L1 to L2	L1 to L3	L2 to L3	L1 to N	L2 to N	(GFCI) L3 to N	L1 to G	L2 to G	L3 to G			
<b>JFK SIDE</b>																																					<b>Notes:</b>
7, 9	13A-1	✓		Y											K	K	K	8	K	K	K	K	8	1.3 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	Transmitter connected to GFCI outlet. Not original GFCI cover. Metal baseplate cover has slight rust.	
7, 9	13A-2		✓	N											K	K	K	8	K	K	K	K	8	2.5 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	Metal baseplate cover has some bad rust areas.		
7, 9	13A-3		✓	N											K	K	K	8	K	K	K	K	8	2.5 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ			
7, 9	13A-4		✓	N											K	K	K	8	K	K	K	K	8	2.0 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	Metal baseplate cover has some bad rust areas.		
7, 9	13A-5		✓	N											K	K	K	8	K	K	K	K	8	2.3 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	Electrical cover missing screw - 1ea.		
7, 9	13A-6		✓	N											K	K	K	8	K	K	K	K	8	2.3 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	Home Run.		
7, 9	13A-7		✓	Y											K	K	K	8	K	K	K	K	8	2.5 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	Metal baseplate cover has some bad rust areas. Home Run.		
7, 9	13A-8		✓	Y				✓	N						K	K	K	8	K	K	K	K	8	2.0 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ			
3, 5	13A-9		✓	Y											K	K	K	8	K	K	K	K	8	2.0 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	Metal baseplate cover has slight rust.		
3, 5	13A-10		✓	Y											K	K	K	8	K	K	K	K	8	2.0 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ			
3, 5	13A-11		✓	N											K	K	K	8	K	K	K	K	8	2.5 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ			
3, 5	13A-12		✓	Y											K	K	K	8	K	K	K	K	8	2.5 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ			
3, 5	13A-13		✓	N											K	K	K	8	K	K	K	K	8	3.0 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ			
3, 5	13A-14		✓	N											K	K	K	8	K	K	K	K	8	1.8 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	Added light originally from SLP-13.		
<b>Lights:</b>		Y = Working or N = Not Working				<b>Arm:</b>		D = Damaged or M = Missing		<b>Pole:</b>		Concrete Base: K = Ok or D = Damaged		<b>GFCI:</b>		K = Ok, D = Damaged or M = Missing		<b>Continuity:</b>		K = Ok or N = No Continuity																	
<b>Lens:</b>		D = Damaged or M = Missing										<b>Metal Base Plate:</b>		D = Damaged or M = Missing																							
		Y = Yes or N = No																																			



CIRCUIT #	LIGHT POLE #	Luminar						Arm			Pole			GFCI			Megger Test Results (Set for 250 Volts) Lights & GFCI										Notes					
		Street LED Fixture	Old Style Fixture	Light Lens	Sidewalk LED Fixture	Old Style Fixture	Light Lens	Streetlight Arm/Bracket	Arm/Sidewalk Arm/Bracket	Concrete Base Metal Baseplate Cover	Electrical Cover	Conductor Size AWG	GFCI Cover	GFCI Outlet	GFCI Continuity Test	Continuity	Conductor Size AWG	Amper Load	L1 to L2	L1 to L3	L2 to L3	L1 to N	L2 to N	(GFCI) L3 to N	L1 to G	L2 to G		L3 to G				
<b>VERONA SIDE</b>																																
12, 14	13A-15		V	Y								K	D	K	8	K	K	K	8	2.5 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	Metal baseplate cover badly corroded.
12, 14	13A-16		V	N								K	K	K	8	K	K	K	8	2.5 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	Metal baseplate cover missing screw - 1ea.
12, 14	13A-17		V	N								K	K	K	8	K	K	K	8	2.5 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	
12, 14	13A-18		V	N								K	K	K	8	K	K	K	8	2.5 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	Failed	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ		
12, 14	13A-19		V	Y								K	K	K	8	K	K	K	8	2.5 Amp	235 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ		
12, 14	13A-20		V	N								K	K	K	8	K	K	K	8	2.5 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	Light fixture damaged. Home Run.
11, 13	13A-21		V	Y								K	K	K	8	K	K	K	8	1.8 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	Home Run.
11, 13	13A-22		V	Y								K	K	K	8	K	K	K	8	2.0 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	
11, 13	13A-23		V	N								K	K	K	8	K	K	K	8	2.0 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	
11, 13	13A-24		V	Y								K	K	K	8	K	K	K	8	2.0 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	
11, 13	13A-25		V	Y								K	K	K	8	K	K	K	8	1.8 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	

**Lights:** Y = Working or N = Not Working     
**Arm:** D = Damaged or M = Missing     
**Pole:** Concrete Base: K = Ok or D = Damaged     
**GFCI:** K = Ok, D = Damaged or M = Missing  
**Lens:** D = Damaged or M = Missing     
Metal Base Plate: D = Damaged or M = Missing     
**Continuity:** K = Ok or N = No Continuity  
Y = Yes or N = No



CIRCUIT #	LIGHT POLE #	Luminar										Arm			Pole		GFCI			Megger Test Results (Set for 250 Volts) Lights & GFCI										Notes																									
		Street LED Fixture	Old Style Fixture	Light	Lens	Sidewalk	LED Fixture	Old Style Fixture	Light	Lens	Streetlight Arm	Arm/Bracket	Sidewalk Arm	Arm/Bracket	Concrete Base	Metal Baseplate Cover	Electrical Cover	Conductor Size AWG	GFCI Cover	GFCI Outlet	GFCI Continuity Test	Continuity	Conductor Size AWG	Amper Load	L1 to L2	L1 to L3	L2 to L3	L1 to N	L2 to N		(GFCI) L3 to N	L1 to G	L2 to G	L3 to G																					
<b>OCEAN SIDE</b>																													<b>Notes:</b>																										
12, 14	13-1	V	Y				V	N						K	K	K	8	K	K	K	8	1.7 Amp	76.6 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ																							
12, 14	13-2	V	Y											K	K	K	8	K	K	K	8	1.7 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ																						
12, 14	13-3						V	Y						K	D	K	8	K	K	K	8	1.7 Amp	133.6 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ																						
12, 14	13-4	V	N											D	K	K	8	K	K	K	8	1.7 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	2 corners of concrete base damaged.																					
12, 14	13-5						V	Y						K	K	K	8	K	K	K	8	1.7 Amp	275 MΩ	275 MΩ	275 MΩ	Failed	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	CCTV connected to GFCI outlet. Not original GFCI cover. Additional conduit for CCTV attached to pole.																					
12, 14	13-6	V	N											K	K	K	8	K	K	K	8	1.7 Amp	Failed	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	Over grown vegetation. Home Run.																					
11, 13	13-7	V	Y				V	Y						K	K	K	8	K	K	K	8	2.4 Amp	Failed	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	Home Run																					
11, 13	13-8	V	N				V	Y						K	K	K	8	K	K	K	8	2.4 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ																						
11, 13	13-9	V	Y				V	Y						K	K	K	8	K	K	K	8	2.4 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ																						
																								MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ																							

Lights: Y = Working or N = Not Working      Arm: D = Damaged or M = Missing      Pole: Concrete Base: K = Ok or D = Damaged      GFCI: K = Ok, D = Damaged or M = Missing  
 Lens: D = Damaged or M = Missing      Metal Base Plate: D = Damaged or M = Missing      Continuity: K = Ok or N = No Continuity  
 Y = Yes or N = No

CIRCUIT #	LIGHT POLE #	Luminar								Arm			Pole			GFCI			Megger Test Results (Set for 250 Volts) Lights & GFCI										Notes:											
		Street LED Fixture	Old Style Fixture	Light	Lens	Sidewalk LED Fixture	Old Style Fixture	Light	Lens	Streetlight Arm Arm/Bracket	Sidewalk Arm Arm/Bracket	Concrete Base Metal Baseplate Cover	Electrical Cover	Conductor Size AWG	GFCI Cover	GFCI Outlet	GFCI Continuity Test	Continuity	Conductor Size AWG	Amper Load	L1 to L2	L1 to L3	L2 to L3	L1 to N	L2 to N	(GFCI) L3 to N	L1 to G	L2 to G		L3 to G										
<b>LAND SIDE</b>																																								
7,9	13-10	V	Y												K	D	K	8	K	K	K	8	K	K	K	8	0.3 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	Metal baseplate cover badly rusted.	
7,9	13-11	V	N												D	K	K	8	K	K	K	8	K	K	K	8	0.3 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	1 corner of concrete base damaged.	
7,9	13-12	V	N												K	K	K	8	K	K	K	8	K	K	K	8	0.3 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ		
7,9	13-13	V	Y												K	K	K	8	K	K	K	8	K	K	K	8	0.3 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	Transmitter connected to GFCI outlet. Not original GFCI cover.	
7,9	13-14	V	N												K	K	M	8	K	K	K	8	K	K	K	8	0.3 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	Electrical cover missing. Replaced with disconnect switch over electrical cover opening. Over grown vegetation. Home Run.	
3,5	13-15	V	Y			V	Y								K	K	K	8	K	K	K	8	K	K	K	8	0.3 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	Over grown vegetation. Home Run.	
3,5	13-16	V	N												K	K	M	8	K	K	K	8	K	K	K	8	3.0 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	Over grown vegetation. Electrical cover missing & 1 broken screw. Not original Electrical cover.	
3,5	13-17	V	Y			V	Y								K	K	K	8	K	K	K	8	K	K	K	8	3.0 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	Over grown vegetation.	
3,5	13-18					V	Y								K	K	K	8	K	K	K	8	K	K	K	8	3.0 Amp	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ	275 MΩ		
3,5	13-19	V	Y			V	Y																																	
3,5	13-20					V	N																																	

**Lights:** Y = Working or N = Not Working     
**Arm:** D = Damaged or M = Missing     
**Pole:** Concrete Base: K = Ok or D = Damaged     
**GFCI:** K = Ok, D = Damaged or M = Missing  
**Lens:** D = Damaged or M = Missing     
**Metal Base Plate:** D = Damaged or M = Missing     
**Continuity:** K = Ok or N = No Continuity  
Y = Yes or N = No



CIRCUIT #	LIGHT POLE #	Luminar						Arm			Pole		GFCI		Megger Test Results (Set for 250 Volts) Lights & GFCI										Notes:		
		Street LED Fixture	Old Style Fixture	Light Lens	Sidewalk LED Fixture	Old Style Fixture	Light Lens	Streetlight Arm Arm/Bracket	Sidewalk Arm Arm/Bracket	Concrete Base Metal Baseplate Cover	Electrical Cover	Conductor Size AWG	GFCI Cover	GFCI Outlet	GFCI Continuity Test	Conductor Size AWG	Amper Load	L1 to L2	L1 to L3	L2 to L3	L1 to N	L2 to N	(GFCI) L3 to N	L1 to G		L2 to G	L3 to G
<b>Notes:</b>																											
7, 9	14-10															0.4 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	
7, 9	14-11	V	N												0.4 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	Metal baseplate cover has slight rust.
7, 9	14-12														0.3 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	
7, 9	14-13	V	Y												0.4 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	244 MΩ	220 MΩ	Metal baseplate cover missing screw - 1ea.
7, 9	14-14														0.4 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	244 MΩ	220 MΩ	
11, 13	14-15	V	Y												0.4 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	
11, 13	14-16														1.8 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	Metal baseplate cover has slight rust.
11, 13	14-17	V	Y												1.7 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	Metal baseplate cover has slight rust.
11, 13	14-18		V	N											1.7 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	Metal baseplate cover has slight rust.
11, 13	14-19		V	N											1.8 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	Metal baseplate cover has slight rust and missing screw - 2ea.

**Lights:** Y= Working or N = Not Working      **Arm:** D = Damaged or M = Missing      **Pole:** Concrete Base: K = Ok or D = Damaged      **GFCI:** K = Ok, D = Damaged or M = Missing  
**Lens:** D = Damaged or M = Missing      **Metal Base Plate:** D = Damaged or M = Missing      **Continuity:** K = Ok or N = No Continuity  
 Y = Yes or N = No



CIRCUIT #	LIGHT POLE #	Luminar								Arm		Pole	GFCI		Megger Test Results (Set for 250 Volts) Lights & GFCI										Defective photocell and photocell base. 2" Unistrut SS - 1ea. 3/4" Unistrut SS - 3ea. Lower part of cabinet has no seal. Cabinet bolts all corroded and 3 bolts on the bottom area broke off. Cabinet has no tag. Cabinet dirty. Need dedicated neutral line for GFCI. GFCI circuit is being utilized by camera and transmitter. Inadequate circuit breaker size for wire being used. Ground wire from pole 5 to pole 1 (10 AWG). Need to update panel schedule and one line diagram.										
		Street	LED Fixture	Old Style Fixture	Light	Lens	Sidewalk	LED Fixture	Old Style Fixture	Light	Lens	Street Light Arm	Arm/Bracket	Sidewalk Arm	Arm/Bracket	Concrete Base	Metal Baseplate Cover	Electrical Cover	Conductor Size AWG	GFCI Cover	GFCI Outlet	GFCI Continuity Test	Continuity	Conductor Size AWG		Amper Load	L1 to L2	L1 to L3	L2 to L3	L1 to N	L2 to N	(GFCI) L3 to N	L1 to G	L2 to G	L3 to G
<b>OCEAN SIDE</b>		<b>Notes:</b>																																	
12, 14	15-1		V	Y											K	K	K	8	K	K	K	8	0.8 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ		
12, 14	15-2						V	Y							K	K	K	8	K	K	K	8	0.8 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	
12, 14	15-3		V	Y											K	K	K	8	K	K	K	8	0.8 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	65.9 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ		
12, 14	15-4						V	Y							K	D	K	8	K	K	K	8	0.8 Amp	164.6 MΩ	220 MΩ	220 MΩ	150.9 MΩ	152.6 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ		
12, 14	15-5		V	Y											K	K	K	8	K	K	K	8	0.8 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ		
12, 14	15-6						V	N							K	D	K	8	K	K	K	8	2.7 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ		
7, 9	15-7						V	N							K	D	K	8	K	K	K	8	2.7 Amp	220 MΩ	220 MΩ	220 MΩ	Failed	220 MΩ	92.8 MΩ	220 MΩ	220 MΩ	220 MΩ			
7, 9	15-8		V	N											K	K	K	8	K	N	N	8	2.7 Amp	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Over grown vegetation. Pole #7 to #8 No Continuity. Ground wire #6 at Pole #7 & #10 at pole #8.	
7, 9	15-9						V	N							K	K	K	8	K	K	K	8	2.7 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ		
7, 9	15-10		V	N											K	K	K	8	K	K	K	8	2.7 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	Light fixture assembly broken.	

Lights: W = Working or N = Not Working    Arm: D = Damaged or M = Missing    Pole: Concrete Base: K = Ok or D = Damaged    GFCI: K = Ok, D = Damaged or M = Missing  
 Lens: D = Damaged or M = Missing    Metal Base Plate: D = Damaged or M = Missing    Continuity: K = Ok or N = No Continuity  
 Y = Yes or N = No





CIRCUIT #	LIGHT POLE #	Luminar										Arm			Pole			GFCI			Megger Test Results (Set for 250 Volts) Lights & GFCI										Defective photocell and photocell base. Defective 20amp 2pole breaker - 1ea. 2" Unistrut SS - 1ea. 3/4" Unistrut SS - 1ea. 3/4" KO seal - 1ea. 3/4" C strap SS - 2ea. Need dedicated nueltral line for GFCI. GFCI circuit is being utilized by camera and transmitter. Inadequate circuit breaker size for wire being used. Need to update panel schedule and one line diagram.																								
		Street LED Fixture	Old Style Fixture	Light	Lens	Sidewalk	LED Fixture	Old Style Fixture	Light	Lens	Streetlight Arm	Arm/Bracket	Sidewalk Arm	Arm/Bracket	Concrete Base	Metal Baseplate Cover	Electrical Cover	Conductor Size AWG	GFCI Cover	GFCI Outlet	GFCI Continuity Test	Continuity	Conductor Size AWG	Amper Load	L1 to L2	L1 to L3	L2 to L3	L1 to N	L2 to N	(GFCI) L3 to N		L1 to G	L2 to G	L3 to G																					
<b>OCEAN SIDE</b>																													<b>Notes:</b>																										
12, 14	16-1						V	Y						K	K	K	8	K	K	K	8	1.2 Amp	Failed	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ																						
12, 14	16-2	V	Y											K	K	K	8	K	K	K	8	1.2 Amp	Failed	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ																						
12, 14	16-3					V	N							K	K	K	8	K	K	K	8	1.2 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ																						
12, 14	16-4					V	Y							K	D	K	8	K	K	K	8	1.2 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ																						
12, 14	16-5		V	Y		V	Y							K	D	K	8	K	K	K	8	1.2 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ																						
8, 10	16-6	V	Y											K	K	K	8	K	K	K	8	3.3 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ																						
8, 10	16-7					V	N							K	K	K	8	M	K	K	8	3.3 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ																						
8, 10	16-8		V	N										K	K	K	8	K	N	N	8		Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed																						
8, 10	16-9					V	N							K	K	K	8	K	N	N	8		Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed	Failed																						
																							MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ	MΩ																						

Lights: Y = Working or N = Not Working      Arm: D = Damaged or M = Missing      Pole: Concrete Base: K = Ok or D = Damaged      GFCI: K = Ok, D = Damaged or M = Missing  
 Lens: D = Damaged or M = Missing      Metal Base Plate: D = Damaged or M = Missing      Continuity: K = Ok or N = No Continuity  
 Y = Yes or N = No







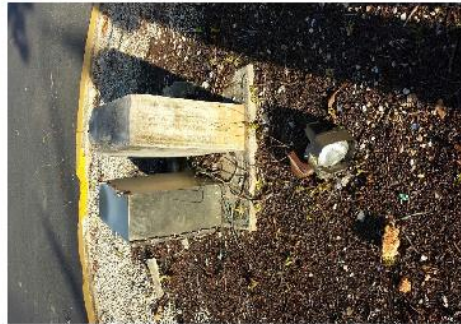
CIRCUIT #	LIGHT POLE #	Luminar						Arm			Pole			GFCI			Megger Test Results (Set for 250 Volts) Lights & GFCI										Notes:	
		Street LED Fixture	Old Style Fixture	Light Lens	Sidewalk LED Fixture	Old Style Fixture	Light Lens	Streetlight Arm Arm/Bracket	Sidewalk Arm Arm/Bracket	Concrete Base Metal Baseplate Cover	Electrical Cover	Conductor Size AWG	GFCI Cover	GFCI Outlet	GFCI Continuity Test	Conductor Size AWG	Amper Load	L1 to L2	L1 to L3	L2 to L3	L1 to N	L2 to N	(GFCI) L3 to N	L1 to G	L2 to G	L3 to G		
<b>LAND SIDE</b>																												
11, 13	17-9															0.5 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	Not original Electrical cover.
11, 13	17-10	V	Y												0.5 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	Electrical cover missing screw - 1ea.	
11, 13	17-11														0.5 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	Electrical cover missing screw - 1ea.	
12, 14	17-12	V	N												2.0 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	Electrical cover missing screw - 1ea.	
12, 14	17-13														2.0 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ		
12, 14	17-14	V	Y												2.0 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	Metal base plate cover has some slight rust.	
12, 14	17-15														2.0 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ		
12, 14	17-16	V	Y												2.0 Amp	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ	220 MΩ		
12, 14	17-17																											

**Lights:** Y = Working or N = Not Working      **Arm:** D = Damaged or M = Missing      **Pole:** Concrete Base: K = Ok or D = Damaged      **GFCI:** K = Ok, D = Damaged or M = Missing  
**Lens:** D = Damaged or M = Missing      **Metal Base Plate:** D = Damaged or M = Missing      **Continuity:** K = Ok or N = No Continuity  
 Y = Yes or N = No



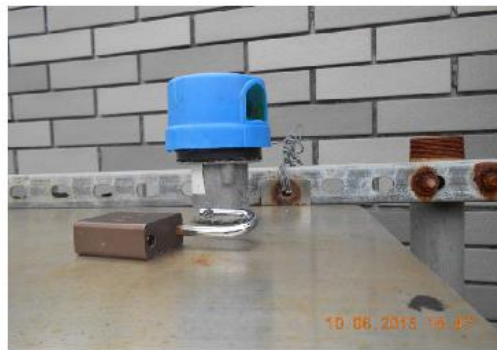


**SUMMARY OF PICTURES**  
Median





SLP



Pole and Fixture





**SUPPLY, SHIPPING, MATERIAL MANAGEMENT CONCEPT,  
MATERIAL MANAGER AND MATERIAL STORAGE  
FOR  
GVB TUMON BAY  
STREET LIGHTING LONG LEAD ITEMS  
GVB SUPPLIED AND CONTRACTOR INSTALLED**

**CONTRACTOR SHALL PROVIDE ALL OTHER REQUIRED  
MATERIALS AND EQUIPMENT AS NEEDED TO ACCOMPLISH THE  
WORK FOR A COMPLETE AND FUNCTIONING  
STREET LIGHTING SYSTEM**



## GVB TUMON BAY STREET LIGHTING LONG LEAD ITEMS

ITEM NO.	DESCRIPTION	MAT. SPEC. REF.	UNIT	QUANTITY
1.00	THWN-2, 8 awg Stranded Copper Conductor, 600V, Black, 5000 ft. Reel	1	FT	75000
2.00	CN35BN4AC, Cutler Hammer, NEMA Lighting Conductor, 20 Amp, 4 Pole, Electrically Held, Open, 600V Rated, 120 VAC/60Hz,	2	EA	60
3.00	CN35GN4AC, Cutler Hammer, NEMA Lighting Conductor, 60 Amp, 4 Pole, Electrically Held, Open, 600V Rated, 120 VAC/60Hz,	3	EA	20
4.00	Myers Hub 1 1/4, Insulated, Threaded Ridgid Gasketed Conduit Hub	4	EA	0
5.00	Myers Hub 3/4, Insulated, Threaded Ridgid Gasketed Conduit Hub	4	EA	0
6.00	NEMA 4X (SSLP) Stainless Steel Single door, continuous hinge, with padlock and optional back panel for internal mount of accessories 48"x48"x12"	5	EA	18
7.00	NEMA 4X (SSLP) Stainless Steel Single door, continuous hinge, with padlock and optional back panel for internal mount of accessories 16"x12"x8"	5	EA	18
8.00	K803 (150 W) complete fixture with LED Array, #K803-P4SH-III-150W(ssl)-8084-120:277V-S/F KPL10	7	EA	201
9.00	K703 (150 W) complete fixture with LED Array, #K703-P4SH-III-75W(SSL)-7030-120:277V-S/F KPL10	8	EA	204
10.00	Concrete Pole, #KTT25-G-Exx-FBP c/w GFI, BANNER ARS, POLE TOP FINIAL & BASEPLATE COVER	9	EA	2
11.00	KA30-S-8' (8' Arms) (Street)	9	EA	5
12.00	KA40-S-4' (4' Arms) (Sidewalk)	9	EA	5
13.00	SLK 6, Stranded #8, Flood-Seal® Street and Highway Lighting Compression Fuse Kits — In-Line, Single Housing	10	EA	160
14.00	SLT 6, Stranded #8, Flood-Seal® Street and Highway Lighting Compression Fuse Kits — In-Line, Twin Housing	10	EA	180
15.00	Flood-Seal® Installation Tool, T&B WT111M, C Die or Equal	10	EA	5

16.00	10 Amp Fuse, Time Delay, Terminal Type: Cartridge, Rejection, Dimensions: 13/32 Diameter x 1 1/2 Length Inch, Voltage Rating: 600 VAC/300 VDC, Features: Time Delay for items 16.00 and 17.00	11	EA	480
-------	---	----	----	-----

**NOTE:** Deleted Item Nos. 4.00 and 5.00 shall be provided by contractor in the quantities necessary. Contractor shall provide all other required materials for a complete and functioning Street Lighting System.

# MATERIAL SPECIFICATION REFERENCE FOR LONG LEAD MATERIALS

These materials are being supplied, except as noted.

## 1. THWN-2 COPPER CONDUCTOR

### SPECIFICATIONS

Conductors shall be UL-listed Type MTW or THHN or THWN-2\* gasoline and oil resistant II, suitable for operations at 600 volts as specified in the National Electrical Code.® Sizes 14 AWG through 6 AWG shall be rated VW-1. Conductors shall be annealed copper, insulated with high-heat and moisture resistant PVC, jacketed with abrasion, moisture, gasoline, and oil resistant nylon or listed equivalent, or approved equal. **Note: Be aware to purchase wire between SLP and Median locally.**

### APPLICATION

- Type THWN-2 conductors are primarily used in conduit and cable trays for services, feeders, and branch circuits in commercial or industrial applications as specified in the National Electrical Code®2
- When used as Type THWN-2\*, conductor is suitable for use in wet or dry locations at temperatures not to exceed 90°C or not to exceed 75°C when exposed to oil or coolant

### CONSTRUCTION

- THWN-2 copper conductors are annealed (soft) copper, insulated with a tough heat and moisture resistant polyvinyl chloride (PVC), over which a nylon (polyamide) or UL-listed equal jacket is applied
- Black color

### STANDARD & REFERENCE

THWN-2 meets or exceeds all applicable ASTM specifications, UL Standard 83, UL Standard 1063 (MTW), Federal Specification A-A-59544, and requirements of the National Electrical Code.®

## 2. CN35BN4AC

CUTLER HAMMER, EATON, WESTINGHOUSE, 20A, 4P, Electrically Held, Lighting Contactor, 120 VAC/60 Hz Coil



### 3. CN35BN4AC

CUTLER HAMMER, EATON, WESTINGHOUSE, 60A, 4P, Electrically Held, Lighting Contactor, 120 VAC/60 Hz Coil



### 4. Myers Hub (To be purchased by contractor)

- Stainless Steel Body and Nut Material
- O-ring Gasket Material Nitrile Expanded operating temperature of -15°C to +120°C
- Expanded and updated certifications to current applicable standards
- Vibration-proof
- Grounding screw for added safety
- Captive o-ring gasket
- No welding
- Posi-Lok insulated throat (insuliner)
- Fit standard knockouts
- Easy installation
- Controlled thread lengths
- NPSL on male thread
- No sharp edges (along parting line)
- Male thread (NPT)
- NEMA 4X
- UL Listed – UL Standard 514B



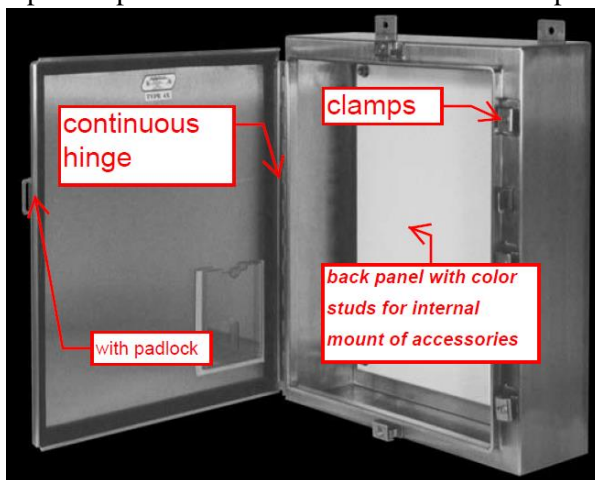
## 5. ENCLOSURE

NEMA 4X stainless steel single door enclosures are Underwriters Laboratories Listed and are designed for use primarily to provide a degree of protection against windblown dust and rain, splashing water, hose directed water and damage from external ice formation.

### • INDUSTRY STANDARDS

#### NEMA TYPES 4X

- Fabricated in accordance with UL specifications from 14 or 12 gauge Type 304 stainless steel standard, Type 316 stainless steel optional.
- All seams continuously welded and ground smooth.
- Rolled lip around three sides of door and all sides of door opening for watertight seal.
- Neoprene gasket attached to door with oil resistant adhesive.
- Clamps on three sides of door for watertight seal.
- Stainless steel external hardware.
- Continuous door hinge.
- Padlock type hasp.
- Hasp and staple provided for padlocking.
- External mounting feet.
- Standard plastic self-adhesive print pocket.
- Standard collar studs for mounting optional panel.
- Optional panel to cover interior back wall completely.



6. DELETED

7. K803 LIGHTING FIXTURE COMPLETE WITH LED ARRAY

Manufacturer Distributor for Guam:  
**KENCLAIRE (WEST) ELECTRICAL AGENCIES, INC.**  
 1326 WEST HERNDON AVENUE, SUITE 103  
 FRESCO, CALIFORNIA 93711  
 TEL.: (559) 435-2617  
 FAX: (559) 435-9161  
 E-MAIL: [kenclairewest@sbcglobal.net](mailto:kenclairewest@sbcglobal.net)

REV.	ALTERATION	DATE	BY
A	CAT. # UPDATED		AA

**SPECIFICATIONS**

CATALOGUE NO: K803-P4SH-III-150(SSL)  
 -8084-120/277 S/F KPL10

QUANTITY: 201

OPTICAL SYSTEM: FLAT ARRAY, SHALLOW LENS  
 IES LTG. CLASS.: TYPE III  
 INPUT WATTAGE: 150W  
 SOLID STATE LIGHTING

SERIES: 8084  
 CCT: 4500K  
 LINE VOLTAGE: 120/277V  
 PAINT: TAUPE *& CLINT TO ADVISE* ✖  
 OPTIONS: S/F KPL10

**BALLAST TO BE SUPPLIED:**

BALLAST TYPE: ELECTRONIC  
 BALLAST MANU.: -  
 CATALOG NUMBER: -

**OPTIONS:**

QUICK DISCONNECT

OTHER: 540 JOULE @ 2ms 20kA-8/20us  
 SURGE PROTECTION

CUSTOMER APPROVAL & DATE:			
		<i>Manufacturing Locations</i> Burlington, Ontario 1-800-268-7809 Northport, Alabama 1-800-435-6563 Atchison, Kansas 1-800-837-1024 Jefferson, Ohio 1-800-268-7809	
King Luminaires • Stresscrete • Est. 1953 <b>STRESSCRETE GROUP</b>			
PROJECT/CUSTOMER: GUAM			
DRAWN BY:	AT:	CHECKED BY:	DATE:
A. ALVELA	SCI		03/27/14
DRAWING TYPE:			REVISION:
APPROVAL DWG.			A
DRAWING NUMBER:			
206A7879-1			

**8. K703 LIGHTING FIXTURE COMPLETE WITH LED ARRAY**

**Manufacturer Distributor for Guam:**  
**KENCLAIRE (WEST) ELECTRICAL AGENCIES, INC.**  
**1326 WEST HERNDON AVENUE, SUITE 103**  
**FRESCO, CALIFORNIA 93711**  
**TEL.: (559) 435-2617**  
**FAX: (559) 435-9161**  
**E-MAIL: [kenclairewest@sbcglobal.net](mailto:kenclairewest@sbcglobal.net)**

REV.	ALTERATION	DATE	BY
A	CAT. # UPDATED; IES CLASS. WAS TYPE II	09/20/14	A.A.

EXISTING KPL-10 LEVELING DEVICE

1 1/4" N.P.T. EXTERNAL THREAD

1 1/4" N.P.T. INTERNAL THREAD

1/4"-20 x 1"L ST.STL.SOC.SET SCREW

ELECTRONIC DRIVER ASSEMBLY

RUGGED CAST ALUMINUM HOUSING

DECORATIVE CLEAR GLASS LENS

23 13/16"

12"  $\phi$

**SPECIFICATIONS**

CATALOGUE NO.: K703-P4SH-III-75(SSL)  
7030-120:277 S/F KPL10

QUANTITY: 204

OPTICAL SYSTEM: FLAT ARRAY, SHALLOW LENS

IES LTG. CLASS.: TYPE III

INPUT WATTAGE: 75W

SOLID STATE LIGHTING

SERIES: 7030

CCT: 4500K

LINE VOLTAGE: 120:277V

PAINT: TAUPE *\* CLINT TO ADVISE*

OPTIONS: S/F KPL10

**BALLAST TO BE SUPPLIED:**

BALLAST TYPE: ELECTRONIC

BALLAST MANU: -

CATALOG NUMBER: -

**OPTIONS:**

QUICK DISCONNECT

OTHER: 540 JOULE @ 2mS 20kA-8/20uS SURGE PROTECTION

CUSTOMER APPROVAL & DATE: \_\_\_\_\_

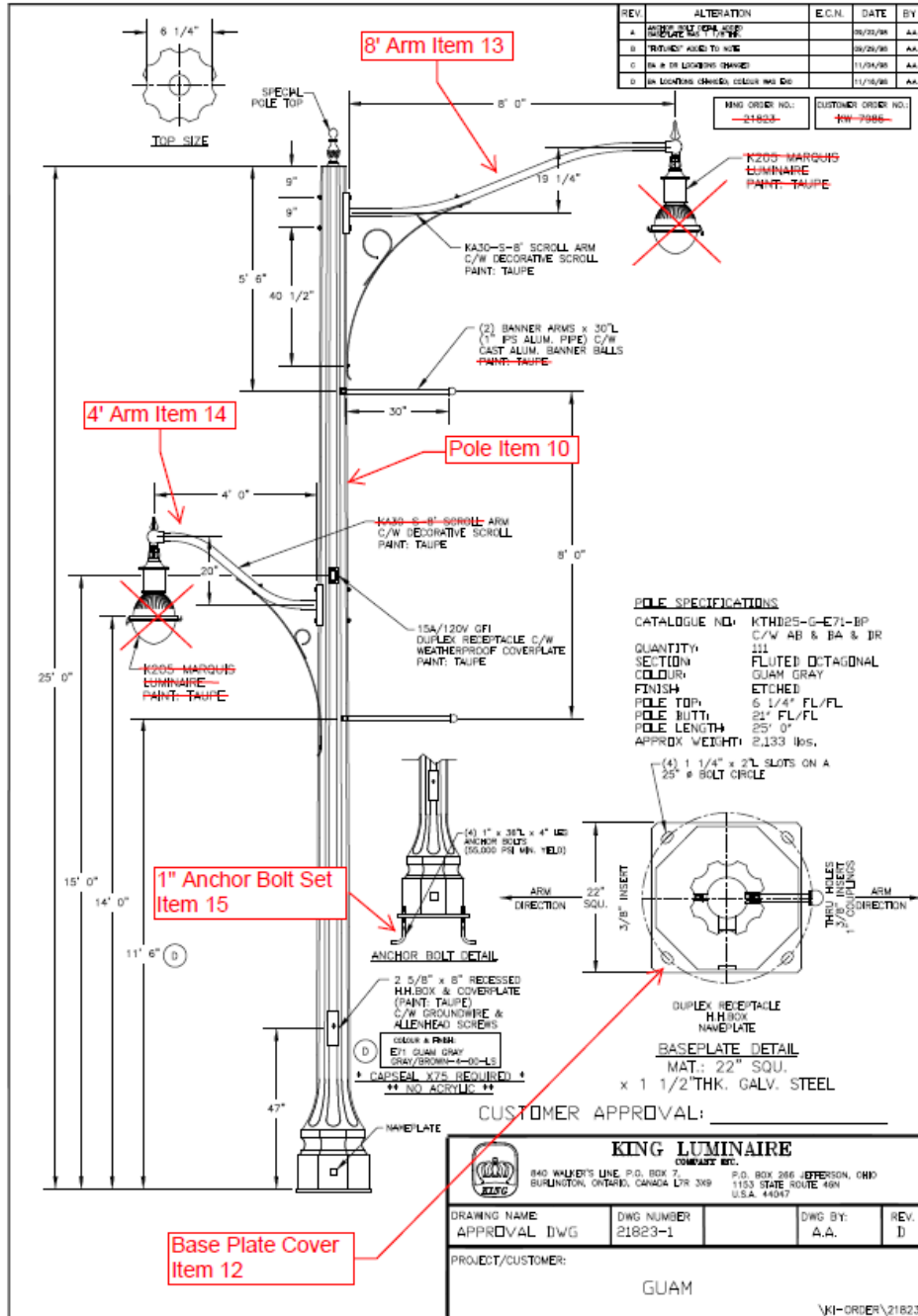
  

CUSTOMER ORDER No:		<p>King Luminaires • Stresscrete • Est. 1953</p> <p><b>STRESSCRETE GROUP</b></p> <p><i>Manufacturing Locations:</i>                  Burlington, Ontario 1-800-268-7809                  Northport, Alabama 1-800-435-8563                  Atchison, Kansas 1-800-837-1024                  Jefferson, Ohio 1-800-268-7809</p>
STRESSCRETE ORDER No:	-	
KMFG. ORDER No:	-	
KING U.S. ORDER No:	-	
PROJECT/CUSTOMER:		GUAM
DRAWN BY:	AT:	CHECKED BY:
A. ALVELA	SC1	
DATE:		REVISION:
03/27/14		A
DRAWING TYPE:		DRAWING NUMBER:
APPROVAL DWG.		206A7879-2



9. Concrete Pole, Base Plate Cover, 8' Arm, 4' Arm, Anchor Bolt

Manufacturer Distributor for Guam:  
**KENCLAIRE (WEST) ELECTRICAL AGENCIES, INC.**  
 1326 WEST HERNDON AVENUE, SUITE 103  
 FRESCO, CALIFORNIA 93711  
 TEL.: (559) 435-2617  
 FAX: (559) 435-9161  
 E-MAIL: [kenclairewest@sbcglobal.net](mailto:kenclairewest@sbcglobal.net)



10. FLOOD-SEAL

Street and Highway Lighting Compression Fuse kit with single and twin housing for watertight and submersible connection. With safe separation of load. Rated 600V and 30 Ampere minimum. Supply manufacturer suggested installation tool or equivalent.

## Flood-Seal® Street and Highway Lighting Compression Fuse and Non-Fused Kits — In-Line

Copper In-Line Fuse Kits include Flood-Seal housing, fuse clips, silicone lubricant and instruction sheet. Fuse is not included. Fuse Kits accept non-glass standard cartridge fuses of 13/32" diameter and 1 1/2" length.


Copper In-Line Non-Fused Kits include Flood-Seal housing, connecting link, silicone lubricant and instruction sheet.

- EPDM rubber housing ensures a fully insulated, watertight and submersible connection
- Breakaway design separates under tension so wires don't break
- Safe separations — fuse or connecting link stays in load side when separated
- Rated for 600V, 30A maximum — perfect for heavy-duty applications

160 180 Stranded #8 installation tool?

**Compression In-Line Fuse Kits**

SINGLE HOUSING CAT. NO.	TWIN HOUSING CAT. NO.	CU WIRE SIZE		INSTALLATION TOOL
		STR.	SOL.	
SLK 6	SLT 6	#14-#10	#14-#8	T&B WT111M, C Die or Equal
		#8-#6	#6-#4	T&B TBM20S, Blue Die or Equal
SLK 2	SLT 2	#4	#2	T&B TBM20S, Gray Die or Equal
		#2	—	T&B TBM20S, Brown Die or Equal



SINGLE HOUSING CAT. NO.	TWIN HOUSING CAT. NO.	#6 SIDE			#2 SIDE		
		CU WIRE SIZE		INSTALLATION TOOL	CU WIRE SIZE		INSTALLATION TOOL
		STR.	SOL.		STR.	SOL.	
SLK 6-2	SLT 6-2	#14-#10	#14-#8	T&B WT111M, C Die or Equal	#4	#2	T&B TBM20S, Gray Die or Equal
		#8-#6	#6-#4	T&B TBM20S, Blue Die or Equal	#2	—	T&B TBM20S, Brown Die or Equal

### 11. FUSE



General Purpose Cartridge Type Fuse, 600 Volt AC, 10 Ampere, Interrupt Rating 20000.

Dimensions: Diameter 13/32 x Length 1 1/2 inch.

Feature: Time Delay (Slo-Blo).