

CITY OF PENSACOLA



ROADWAY LIGHTING INVENTORY AND POLICY DEVELOPMENT REPORT

CITY OF PENSACOLA, FLORIDA

DEPARTMENT OF PUBLIC WORK AND FACILITIES

MAY 2017



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PROJECT PURPOSE AND INTRODUCTION

The City of Pensacola contracted with Mott MacDonald (Engineering Consultant) to generate a detailed inventory and report on the quantity and type of existing street lighting within the City limits, along City maintained roads. At the project outset City staff estimated approximately 7,900 street lights exist within the City with approximately 1,400 lights owned and maintained by the City and 6,500 lights owned and maintained by Gulf Power. Mott MacDonald was tasked to locate and identify all street lighting assets within the City and to evaluate and prioritize potential infrastructure improvements.

The City of Pensacola recognizes the importance of roadway lighting to provide adequate illumination of the roadway on City streets. Because of the considerable costs to provide and maintain roadway lighting, it is the policy of the City to provide generally accepted lighting levels necessary for safe operation of City streets. This policy details the considerations and standards for City provision of roadway lighting and will be used for determination of requests submitted as directed herein for addition or alteration of lighting. The Public Works and Facilities Department will review lighting requests in accordance with this policy. This policy only applies to roadways maintained by the City of Pensacola and shall not be applied to lighting on State or County roadways within the Pensacola City limits.

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PROJECT LOCATION

Data collection and evaluation were limited to City of Pensacola maintained roadways located within the Pensacola City Limits (Figure 1). (Need some more verbiage with a basic geographic description of the project limits N, S, E, W using some major roadways of natural boundaries.

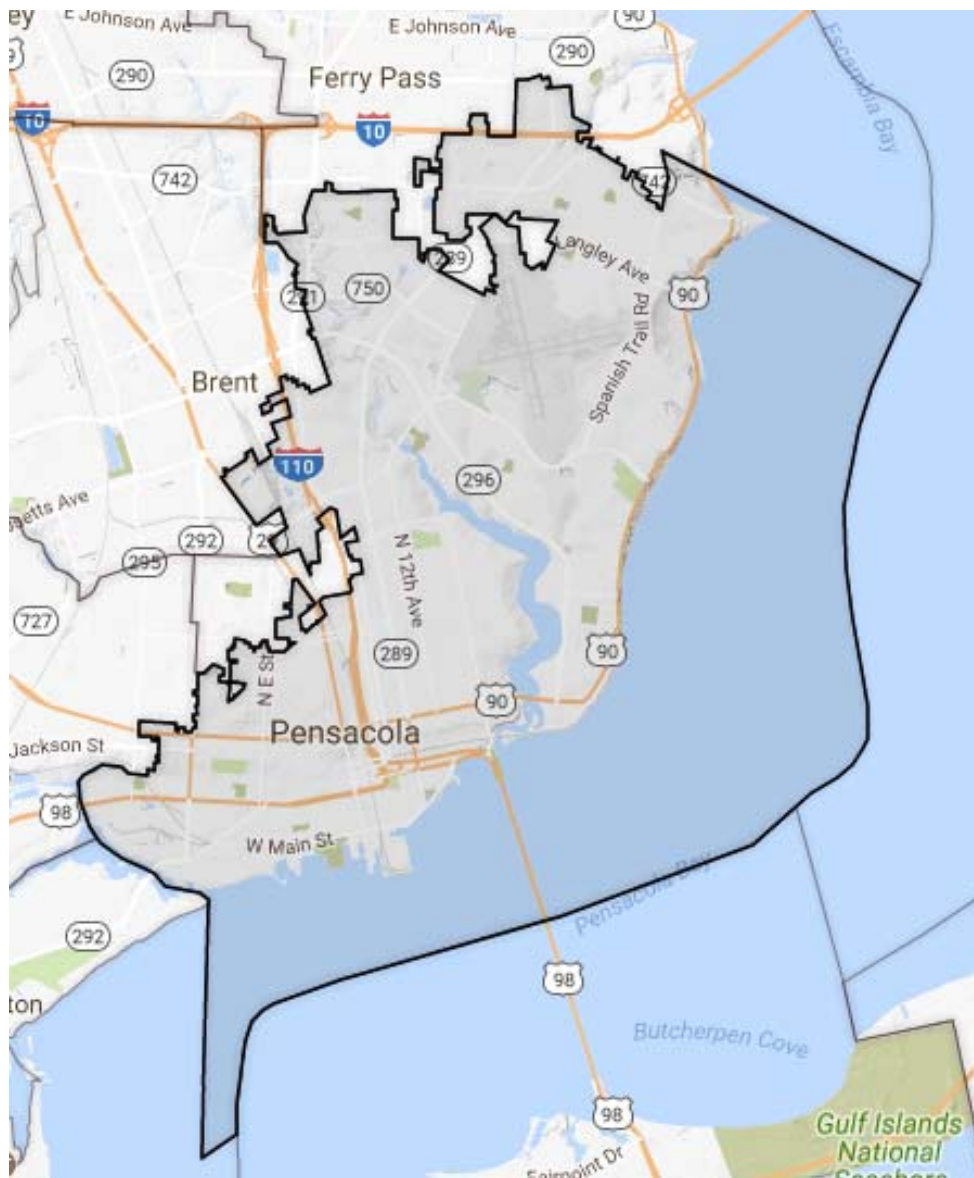


Figure 1: Pensacola City Limits

ROADWAY LIGHTING POLICY

Mott MacDonald coordinated with the City to develop a Roadway Lighting Policy and standard that can be applied to evaluate lighting along City streets. This standard was developed using the FDOT Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways, commonly known as the Florida Green Book.

The Policy establishes Illumination Criteria and Minimum Illumination Levels that can be used to evaluate lighting conditions on City roadways. The Policy also provides general guidelines for street lighting which denotes typical locations and spacing of roadway lighting.

Roadway lighting is intended to provide visibility and safety for City streets. Visibility is affected by the amount of light reaching the surface of the roadway, which is measured by illuminance. When requests are made for additional lighting, associated maintenance costs must be considered. This policy intends to provide lighting adequate for visibility within the roadway to promote safe operation of City streets, while minimizing energy consumption and maintenance and operations costs. Therefore, management of roadway lighting within the City may be controlled by selection of lighting type, determination of the minimum illumination necessary, and provision of lighting only where needed to achieve proper illumination.

ILLUMINATION CRITERIA

While the City's general criteria discussed above are important design considerations, specific criteria are needed to define the objectives in designing a street lighting system. The City of Pensacola has adopted the following criteria establishing standards for illumination of roadways based on the FDOT Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways (Florida Greenbook).

The existing roadway lighting system consists of various fixture types and configurations. It is not the intent of this policy to address or update fixture types system wide, but rather to identify illumination levels as a function of environment, area, and roadway classification. Right-of-way environments are viewed as commercial, mixed-use, or residential. Roadway classifications are defined as follows:

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- **Arterial/Major Road** – Generally a metropolitan roadway that moves large portions of through traffic, but allows direct access from abutting parcels. This classification may also include important rural routes leaving the City.
- **Collector Road** – Roadways typically within residential, commercial, and industrial areas serving traffic between local and major roadways.
- **Local Road** – Roadways that provide direct access to the system from individual residential, commercial, and industrial properties.

Quantity of illumination is a function of the roadway classification and the area which is served by the lighting system. The quantity of light is referred to as the average maintained horizontal illumination, or in other words, the mean value of all points within the area being lit. The term “maintained” refers to the illumination value at some point in time after the system is installed. Maintained illumination takes into account reductions in luminous output due to factors such as lamp lumen depreciation and dirt accumulation. The lighting system begins at an initial illumination level and depreciates to some level less than the initial level. The term “horizontal” refers to the roadway surface on which the illumination is measured. Minimum values for quantity of illumination measured at any point in the roadway are provided in Table 1.

Quality of illumination defines an average quantity of illumination over the roadway surface. This average quantity of illumination can be accomplished by producing a generally uniform level of illumination over the area. As drivers pass through areas of relatively high and low illumination levels, their eyes must adapt. The uniformity of illumination is considered a qualitative means of defining street lighting. The term used to quantitatively describe uniformity is the uniformity ratio. One method to describe this ratio uses the maximum level to minimum level ratio in which the maximum illumination is divided by the lowest illumination point encountered within the roadway being lit. For example, a street with a maximum illumination level of 2.0 foot-candles and a minimum point of 0.5 foot-candles would have a uniformity ratio of 4 to 1. Maximum to minimum uniformity ratios adopted by the City are included in Table 1.

Table 1 - Minimum Illumination Levels¹

Roadway Classification	Commercial (foot-candles)	Mixed-Use (foot-candles)	Residential (foot-candles)	Uniformity Ratio
Arterial/Major Roadway	1.2	0.9	0.7	4:1
Collector Road	1.0	0.8	0.5	4:1
Local Road	0.8	0.6	0.4	6:1

1. Minimum illuminance averages and uniformity ratios referenced from guidance in the FDOT Florida Greenbook.

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Within intersections, the maximum maintained average illumination shall be twice the average illumination of the two types of roadways at the intersection. For example, intersections of collector and local roads in commercial areas should have maximum illumination values of 1.8 foot-candles.

In new subdivisions, the developer shall be responsible for installing streetlights at the developer's expense. Lighting designs shall be provided as part of the development order submittal and shall be dedicated to the City for operation and maintenance as part of the final plat approval process.

If additional lighting above the criteria described herein is requested and is reasonable for the area and environment, it may be considered. If lighting in excess of standards is approved, full cost of installation of the extra lighting will be paid by the requestor.

In non-residential areas, the Public Works and Facilities Department Director or designee shall review all requests for new streetlights and determine compliance with the above criteria.

In residential areas, the following general guidelines shall be applied to requests for new street lighting in lieu of performing a detailed design.

- Light size is typically 8800 lumens and fixture type should match fixtures used in the surrounding neighborhood
- Distance between lights is typically 250-350 feet.
- A light is typically installed at each intersection, dead ends, and cul-de-sacs.
- A light is typically installed at changes in roadway direction such as sharp curves.
- Lights are typically installed on existing utility poles where possible.
- Any new poles required shall be installed within the right-of-way, as far as practical from the paved street surface and not obstructing pedestrian traffic.
- All wiring shall be underground in subdivisions having underground utilities.

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DATA GATHERING

Mott MacDonald utilized a sub-meter GPS units to capture and log the location, type, and condition of City street lighting. A designated team performed field work to promote consistency among data collection efforts. Daily coordination among the team provided a systematic method to safely and efficiently collect data which were periodically added to a Google Earth KMZ file to both organize information and track project progress (Figure 2). Data was converted to GIS format to allow for incorporation into the City's existing GIS database.

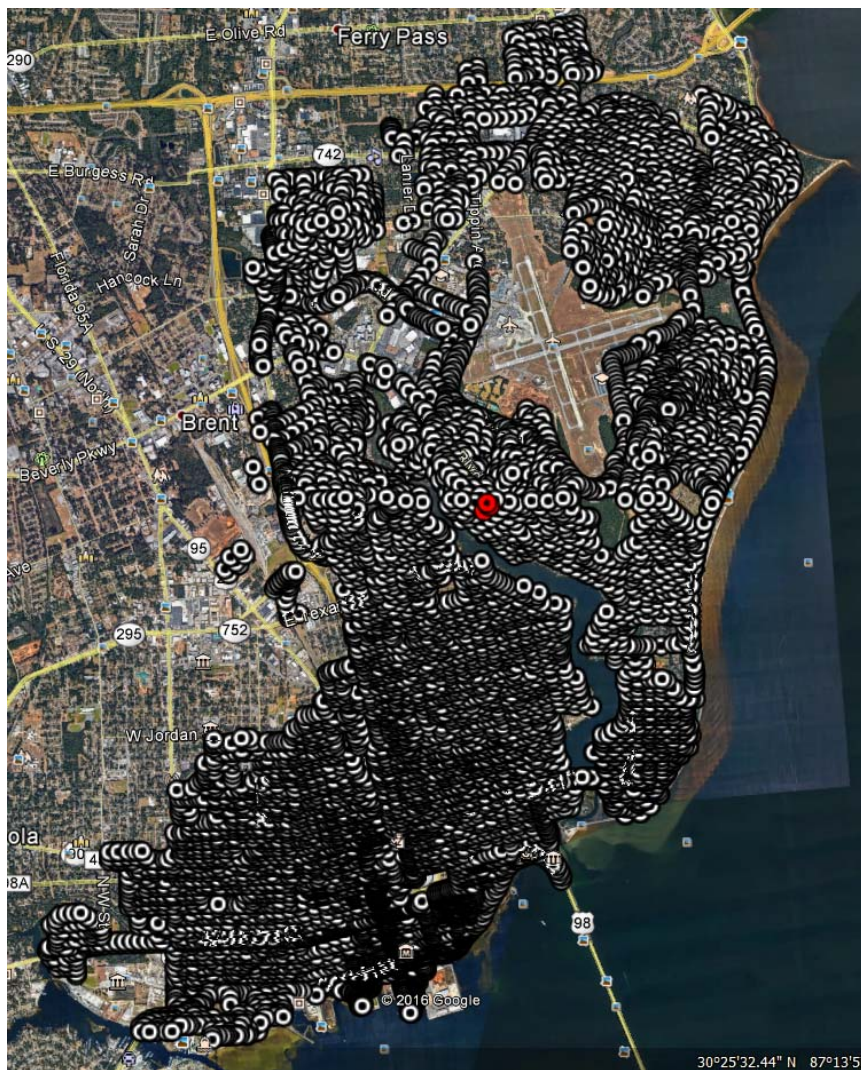


Figure 2: KMZ Representation of Street Light Data Points

INVENTORY ANALYSIS AND CONCLUSION

The policy described provides the means and methods for coordinating and identifying roadway lighting within the City of Pensacola. The Public Works and Facilities Department provides direct support and guidance to adequately illuminate the City streets and be in compliance with this policy.

These general guidelines were used to evaluate the existing City roadway lighting to identify areas that may be deficient. Areas that do not meet the guidelines were determined and appended to this Report. (Appendix B)

A list of projects by priority was determined using the following ranking criteria:

- **High Priority Projects** – Areas of significant lighting deficiency in high vehicular travel areas. These areas include roadway lighting on only one side of the street but provides adequate lighting or locations that have no street lighting at all. The high priority projects are primarily in downtown areas and are complex in nature.
- **Medium Priority Projects** – Areas with street lighting that is generally sufficient but does not meet all the Lighting Policy guidelines. These areas include street light pole spacing greater than 350 feet, lack of lighting at cul-de-sacs, and lack of lighting at intersections. These areas are primarily in residential portions of the city.
- **Low Priority Projects** - Areas with street lighting that is generally sufficient but does not meet all the Lighting Policy guidelines, and are in areas of low traffic during night hours. These areas are primarily commercial districts within the City.

Over 8,400 street lights were identified and located by Mott MacDonald within the Pensacola City Limits. Within the City Limits, 319 areas of deficiency were noted for City maintained streets. Those areas along with the designated level of project importance follow this report in Appendix B. In Appendix C a Map shows the location of the Medium and Low deficiencies within the City Limits and the possibility of instillation by Gulf Power once requested by the City.

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LIGHTING REQUEST PROCEDURE

If you own property on a public street and you believe your street lighting is inadequate, you may call the City of Pensacola Public Works and Facilities Department at (850) 435-1755 to request a "Streetlight Request" form. In addition to your name, address, and house number, the form requests that you identify the specific location where the desired streetlight is to be located.

The completed form should be mailed, emailed, or hand delivered to the City of Pensacola Public Works and Facilities Department to be processed.

Once the Public Works and Facilities Department receives the form, a representative will visit the site to verify the location is acceptable based on the following criteria:

- What concern initiated the request?
- Does existing roadway lighting already meet policy standards?
- Is the area in question located on a City maintained right-of-way?
- Do trees or other objects interfere with the proposed installation location?
- Other concerns deemed applicable by the Public Works and Facilities Department.

After the site review, you will receive notification via letter from the Public Works and Facilities Department with a determination of your request. If the location meets the policy criteria, you will be provided with a map and a petition form and you must petition all owners of property within 150 feet of the proposed location of the new streetlight. More than fifty percent of the property owners petitioned must concur with your request. This petition will be returned to the City of Pensacola Public Works and Facilities Department once all the signatures have been obtained.

Streetlight requests that have successfully completed this process and do not require higher level approval will be forwarded to the City of Pensacola Public Works Maintenance Division which will submit a request to Gulf Power Company for installation of the streetlight, subject to funding availability. If funds are not currently available, the approved request will be held for inclusion in the next budget cycle. Once submitted, installation time of the streetlight varies depending on the schedule of the Gulf Power Company contractor performing the installation.

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REMOVAL OF LIGHTING

A petition to remove a streetlight may be accepted if the following conditions are met:

- The streetlight must have been in place for a minimum of six months.
- City Police Chief or designee and Public Works and Facilities Department Director or designee staffs must support the removal of streetlight.
- The new petition must include the same affected area as the original petition and must be supported by more than fifty percent of those petitioned. If the petition fails, the location shall not be reconsidered for a period of one year from the date the removal request was initiated.
- If a streetlight is removed, a request to reinstall it will not be considered for a period of two years following the date it was removed.

EFFECTIVE DATE

This streetlight policy and procedures shall be effective on the date approved by the Mayor and shall apply to all roadway lighting applications initiated after the effective date. See Appendix A for streetlight request form and petition.

“Appendix A”

Street Light Request Form and Petition

STREETLIGHT REQUEST FORM

Contact Name _____ Today's Date _____

Neighborhood _____ Day Phone _____

Local Address

Locations where streetlights are requested?

Please return the completed application form to:

City of Pensacola
Public Works and Facilities Department
2757 N. Palafox St.
Pensacola, FL 32501
Phone: 850-435-1755 Fax: 850-595-1012

FOR OFFICIAL USE ONLY

Project Number _____

Date Application Received _____

Date of Public Works Analysis
Completed _____

Date Signed Petitions Received _____

Date Request Presented to City Council
(if required) _____

Request Approved Denied

Date Applicant Notified of Final
Determination _____

Date Request submitted to Gulf Power _____

Date Streetlight Installed _____

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 PETITION FORM

(Page ____ of ____)

We the undersigned, as owners of properties in the affected area, hereby acknowledge that we have been notified of the request to install / remove streetlights as shown on the attached map.

Please list all addresses in the petition area and obtain one signature per dwelling.

By signing “Yes” below, dwelling owners acknowledge they have seen the map showing the proposed location of the roadway lighting and if adjustments must be made to the location at a later date, they consent to having the streetlight placed in front of their property, if necessary.

Date	Property Owner's Name (please print)	Address	Signature	Support Proposal?	
				Yes	No

“APPENDIX B”

Pensacola Street Lighting Deficiency List

CITY OF PENSACOLA – STREET LIGHT DEFICIENCY LIST

Street Lighting Survey						
Deficiency Report						
Level of Concern	Road Name	Location	Potential Concern	Number of Spaces Between Lights	Average Distance Between Lights	Notes
Low	N A St	From W Cervantes to W Strong St	Lights not within 350' of each other.	1	360'	
Low	Pineda Ave	From E Texar Dr to Ariola Ave	Lights not within 350' of each other.	1	360'	
Low	ChIPLEY Ave	From E Jackson to E Gadsden St	Lights not within 350' of each other.	1	360'	
Low	Stringfield Dr	From Hallmark Dr to Semur Rd	Lights not within 350' of each other.	1	360'	
Low	Logan Dr	From Thomas Ct to Bermuda Cir	Lights not within 350' of each other.	1	360'	Security light installed
Low	Limestone Rd	From Reynosa Dr to Crawford Dr	Lights not within 350' of each other.	1	360'	
Low	N Guillemard St	From E La Rua St to E Jackson St	Lights not within 350' of each other.	1	365'	
Low	Gentian Dr	From Woodland Dr to Acacia Dr	Lights not within 350' of each other.	1	365'	
Low	Firestone Blvd	From Heyward Dr to Hallmark Dr	Lights not within 350' of each other.	1	365'	
Low	Dean Rd	From Tanglewood Dr to Dunwoody Dr	Lights not within 350' of each other.	1	365'	
Low	Dunwoody Dt	From Fox Rd to Woodbine Dr	Lights not within 350' of each other.	1	365'	
Low	Galt Rd	From Hallmark Dr to Piedmont Rd	Lights not within 350' of each other.	1	365'	
Low	Inverness Dr	From Bayou Blvd to Oxford Dr	Lights not within 350' of each other.	1	365'	
Low	Brookshire Dr.	From Montaigne Dr. to Goya Dr.	Lights not within 350' of each other.	1	365'	
Low	Blueridge Dr.	From Rommitch Ln to Goya Dr.	Lights not within 350' of each other.	1	365'	
Low	Boland Pl	From W Jackson St to N R St	Lights not within 350' of each other.	1	370'	Security light installed
Low	E Highland Dr	From Hart Dr to E Fairfield Dr	Lights not within 350' of each other.	1	370'	Security light installed
Low	Chadwick St	From Kenneth St to Skyline Dr	Lights not within 350' of each other.	1	370'	
Low	Barnwell Cir	From Tambridge Cir to dead end	Lights not within 350' of each other.	1	370'	
Low	Kenilworth Rd	From Hallmark Dr to Morningside Dr	Lights not within 350' of each other.	1	370'	
Low	Logan Dr	From Thomas Ct to Bermuda Cir	Lights not within 350' of each other.	1	370'	Security light installed
Low	Crawford Dr	From Reynosa Dr to Limestone Rd	Lights not within 350' of each other.	1	370'	
Low	Blueridge Dr.	From Montaigne Dr. to Goya Dr.	Lights not within 350' of each other.	1	370'	
Low	Montaigne Dr.	From Riddick Dr and Brookshire Dr.	Lights not within 350' of each other.	1	370'	
Low	Wimbeldon Dr.	From Gaugin St to Goya St	Lights not within 350' of each other.	1	370'	
Low	Rosebud Ct	From Limestone Rd to dead end	Lights not within 350' of each other.	1	370'	
Low	Leesway Blvd	From Flintwood Rd to Durango Dr	Lights not within 350' of each other.	1	370'	
Low	Leesway Blvd	From Cherry Laurel Dr to April Rd	Lights not within 350' of each other.	1	370'	
Low	N B St	From W Blount St to W Moreno St	Lights not within 350' of each other.	1	375'	
Low	N 12th Ave	From E Blount St to E Moreno St	Lights not within 350' of each other.	1	375'	
Low	E Bobe St	From N 11th Ave to N 12th Ave	Lights not within 350' of each other.	1	375'	

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Low	Cortez Dr	From Texar Dr to E 34th St	Lights not within 350' of each other.	1	375'	
Low	N 16th Ave	From E Maura Dr to Texar Dr	Lights not within 350' of each other.	1	375'	Security light installed
Low	Hewitt St	From N Davis Hwy to Skyline Dr	Lights not within 350' of each other.	1	375'	
Low	Hewitt St	From N Davis Hwy to Skyline Dr	Lights not within 350' of each other.	1	375'	Security light installed
Low	Royce St	From N Davis Hwy to Skyline Dr	Lights not within 350' of each other.	1	375'	
Low	Conway Dr	From Foulis Dr to Hyde Park Rd	Lights not within 350' of each other.	1	375'	
Low	Bayview Way	From Scenic Hwy to Thomas Ct	Lights not within 350' of each other.	1	375'	
Low	Whitney Dr	From Tyler Ave to Baldwin Ave	Lights not within 350' of each other.	1	375'	
Low	Baisden Rd	From Connell Dr to Heyward Dr	Lights not within 350' of each other.	1	375'	
Low	McClellan Rd	From Connell Dr to Baisden Rd	Lights not within 350' of each other.	1	375'	
Low	Piedmont Rd	From Hallmark Dr to Galt Rd	Lights not within 350' of each other.	1	375'	Security light installed
Low	Primrose Dr	From Limestone Rd to Langley Ave	Lights not within 350' of each other.	1	375'	
Low	Brookshire Dr.	From Montaigne Dr. to Goya Dr.	Lights not within 350' of each other.	1	375'	
Low	Wimbeldon Dr.	From Gaugin St to Goya St	Lights not within 350' of each other.	1	375'	
Low	Forest Glen Dr	From Summer Dr to San Gabriel Dr	Lights not within 350' of each other.	1	375'	
Low	Swan Ln	From Hilltop Dr to Hibiscus Rd	Lights not within 350' of each other.	1	375'	
Low	W Hernandez St	From N H St to N G St	Lights not within 350' of each other.	1	380'	
Low	Hewitt St	From N Davis Hwy to Skyline Dr	Lights not within 350' of each other.	1	380'	Security light installed
Low	Pickens Ave	From Chipley Ave to Dead end	Lights not within 350' of each other.	1	380'	
Low	Connel Dr	From Tyler Ave to Baldwin Ave	Lights not within 350' of each other.	1	380'	Security light installed
Low	Dunfries Rd	From Nagel Dr to Heyward Dr	Lights not within 350' of each other.	1	380'	
Low	Tronjo Rd	From Tronjo Terrace to Tronjo Pl	Lights not within 350' of each other.	1	380'	
Low	McClellan Rd	From Connell Dr to Tronjo Rd	Lights not within 350' of each other.	1	380'	Security light installed
Low	Semur Rd	From Hallmark Dr to Piedmont Rd	Lights not within 350' of each other.	1	380'	
Low	Marjean Dr	From Degas St to Goya Dr	Lights not within 350' of each other.	1	380'	
Low	Lynn Ora Dr	From Leesway Blvd to Flax Rd	Lights not within 350' of each other.	1	380'	
Low	Kingsberry Dr	From Leesway Blvd to Flax Rd	Lights not within 350' of each other.	1	380'	
Low	Valesquez St.	From Abercrombie Cir. to Howe St.	Lights not within 350' of each other.	1	380'	
Low	Shannon Pl.	From Rommitch Ln to Montaigne Dr	Lights not within 350' of each other.	1	380'	
Low	Arizona Dr.	From Burbank Dr to Montaigne Dr	Lights not within 350' of each other.	1	380'	
Low	Bonner Rd	From Nagel Dr to Heyward Dr	Lights not within 350' of each other.	1	380'	
Low	W Avery St	From N H St to N I St	Lights not within 350' of each other.	1	381'	
Low	N Barcelona St	From W Gonzalez St to W Brainerd St	Lights not within 350' of each other.	1	385'	
Low	N 7th Ave	From E Hernandez St to E Jordan St	Lights not within 350' of each other.	1	385'	
Low	Dumford Pl	From Ochuse Dr to Menendez Dr	Lights not within 350' of each other.	1	385'	Security light installed
Low	Gerhardt Dr	From Fox Rd to Woodbine Dr	Lights not within 350' of each other.	1	385'	
Low	Arizona Dr.	From Burbank Dr to Montaigne Dr	Lights not within 350' of each other.	1	385'	
Low	Woodcliff Dr	From Livingston Dr to Rugby Ct	Lights not within 350' of each other.	1	385'	
Low	E Gregory St	Between E Gregory St and N 17th Ave	Lights not within 350' of each other.	1	390'	

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Low	N 8th Ave	From E Jackson to E Gadsden St	Lights not within 350' of each other.	1	390'	
Low	N Guillemard St	From E Mallory St to E Avery St	Lights not within 350' of each other.	1	390'	
Low	Menendez Dr	From Texar Dr to E 34th St	Lights not within 350' of each other.	1	390'	
Low	Woodland Dr	From N Davis Hwy to Berkley Dr	Lights not within 350' of each other.	1	390'	Security light installed
Low	Boxwood Dr	From Berkley Dr to Kenneth St	Lights not within 350' of each other.	1	390'	
Low	Conway Dr	From Foulis Dr to Hyde Park Rd	Lights not within 350' of each other.	1	390'	
Low	Bluffs Cir	From Bluffs Dr to dead end	Lights not within 350' of each other.	1	390'	
Low	Heyward Dr	From Firestone Blvd to Dunfries Rd	Lights not within 350' of each other.	2	390'	
Low	Aiken Rd	From Tronjo Rd to Hallmark Dr	Lights not within 350' of each other.	1	390'	
Low	Aiken Rd	From Tronjo Rd to Hallmark Dr	Lights not within 350' of each other.	1	390'	
Low	Copley Dr	From Piedmont Rd to Morningside Dr	Lights not within 350' of each other.	1	390'	
Low	Peyton Dr	From Hallmark Dr to Beacon Rd	Lights not within 350' of each other.	1	390'	Security light installed
Low	Limestone Rd	From Rosebud Ct to Primrose Dr	Lights not within 350' of each other.	1	390'	Security light installed
Low	Wimbeldon Dr.	From Gaugin St to Goya St	Lights not within 350' of each other.	1	390'	
Low	Wimbeldon Dr.	From Goya St to Degas St	Lights not within 350' of each other.	1	390'	
Low	Wimbeldon Dr.	From Degas St to Montaigne Dr	Lights not within 350' of each other.	1	390'	
Low	Bahama Rd	From Lansing Dr to Cul-de-sac	Lights not within 350' of each other.	1	390'	
Low	Whaley Ave	E Maxwell St to E Lakeview Ave	Lights not within 350' of each other.	1	395'	
Low	Conway Dr	From Foulis Dr to Hyde Park Rd	Lights not within 350' of each other.	1	395'	
Low	Woodbine Dr	From Tanglewood Dr to Wedgewood Rd	Lights not within 350' of each other.	1	395'	
Low	Woodbine Dr	From Tanglewood Dr to Wedgewood Rd	Lights not within 350' of each other.	1	395'	
Med	Royce St	From Birchwood Pl to Springdale Cir	Lights not within 350' of each other.	1	400'	
Med	Foulis Dr	From Conway Dr to Hyde Park Rd	Lights not within 350' of each other.	1	400'	Security light installed
Med	Foulis Dr	From Conway Dr to Hyde Park Rd	Lights not within 350' of each other.	1	400'	
Med	Whitney Dr	From Tyler Ave to Baldwin Ave	Lights not within 350' of each other.	1	400'	
Med	Whitney Dr	From Firestone Blvd to Tyler Ave	Lights not within 350' of each other.	1	400'	
Med	Whitney Dr	From Firestone Blvd to Tyler Ave	Lights not within 350' of each other.	1	400'	
Med	Connel Dr	From Firestone Blvd to Tyler Ave	Lights not within 350' of each other.	1	400'	
Med	Connel Dr	From Firestone Blvd to Tyler Ave	Lights not within 350' of each other.	1	400'	
Med	Firestone Blvd	From Heyward Dr to Hallmark Dr	Lights not within 350' of each other.	1	400'	Security light installed
Med	Tanglewood Dr	From Gumwood Rd to Wedgewood Rd	Lights not within 350' of each other.	1	400'	Security light installed
Med	Tanglewood Dr	From Gumwood Rd to Wedgewood Rd	Lights not within 350' of each other.	1	400'	
Med	Tanglewood Dr	From Fox Rd to Dean Rd	Lights not within 350' of each other.	1	400'	
Med	Dunwoody Dt	From Dean Rd to Munro Rd	Lights not within 350' of each other.	1	400'	
Med	Gerhardt Dr	From Godwinson Rd to Fox Rd	Lights not within 350' of each other.	1	400'	Security light installed
Med	Gerhardt Dr	From Godwinson Rd to Fox Rd	Lights not within 350' of each other.	1	400'	
Med	Westfield Rd	From Hallmark Dr to Semur Rd	Lights not within 350' of each other.	1	400'	
Med	Piedmont Rd	From Tronjo Rd to Drake Rd	Lights not within 350' of each other.	1	400'	
Med	Hallmark Dr	From Semur Rd to Beacon Rd	Lights not within 350' of each other.	1	400'	

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Med	Pitosi Rd	From Hibiscus Rd to Leesway Blvd	Lights not within 350' of each other.	1	400'	Security light installed
Med	Durango Dr	From Hibiscus Rd to Leesway Blvd	Lights not within 350' of each other.	1	400'	
Med	Potosi Rd	From Hibiscus Rd to Leesway Blvd	Lights not within 350' of each other.	2	400'	
Med	Francisco Rd.	From Mentoria St. to Casen Ave.	Lights not within 350' of each other.	1	400'	
Med	Valesquez St.	From Howe St. to Montalvo Dr.	Lights not within 350' of each other.	1	400'	
Med	New Hope Rd.	From Oak Shadow Ln to dead end	Lights not within 350' of each other.	1	400'	
Med	Randwick Rd	From Nobles St to Collingswood Rd	Lights not within 350' of each other.	1	400'	
Med	Schwab Dr	From Creighton Rd to Caswell Dr	Lights not within 350' of each other.	1	400'	
Med	Tippin Ave	From John Carroll Dr to E Burgess Rd	Lights not within 350' of each other.	1	400'	
Med	Dunmire St	From Maybelle Dr to Boyd Ave	Lights not within 350' of each other.	1	400'	
Med	Dunmire St	From Boyd Ave to Winwood St	Lights not within 350' of each other.	1	400'	Security light installed
Med	S L St	From Zarragossa St to Barrancas Ave	Lights not within 350' of each other.	1	405'	
Med	E Belmont St	From N 10th Ave to N 11th Ave	Lights not within 350' of each other.	1	405'	
Med	W Chase St	From N S St to N Q St	Lights not within 350' of each other.	1	405'	Security light installed
Med	N 11th Ave	From E Scott St to E Hatton St	Lights not within 350' of each other.	1	405'	
Med	Driftwood Dr	From Raintree Dr to Menendez Dr	Lights not within 350' of each other.	1	405'	
Med	E Scott St	From N 16th Ave to N 17th Ave	Lights not within 350' of each other.	1	405'	
Med	Berkley Dr	From Fairfax Dr to Altamont Rd	Lights not within 350' of each other.	1	405'	
Med	Tyler Ave	From Nagel Dr to dead end	Lights not within 350' of each other.	1	405'	Security light installed
Med	Woodbine Dr	From Wedgewood Rd to Fox Rd	Lights not within 350' of each other.	1	405'	
Med	Dunwoody Dt	From Dean Rd to Munro Rd	Lights not within 350' of each other.	1	405'	
Med	Hallmark Dr	From Westfield Rd to Stringfield Dr	Lights not within 350' of each other.	1	405'	
Med	Copley Dr	From Beacon Rd to Piedmont Rd	Lights not within 350' of each other.	1	405'	
Med	Peyton Dr	From Beacon Rd to Piedmont Rd	Lights not within 350' of each other.	1	405'	
Med	Arizona Dr.	From Alvar Dr to Burbank Dr	Lights not within 350' of each other.	1	405'	
Med	Dunmire St	From Maybelle Dr to Boyd Ave	Lights not within 350' of each other.	1	405'	
Med	S A St	From W Zarragossa St to W Gregory St	Lights not within 350' of each other.	1	410'	
Med	E Heinberg St	From N 10th Ave to N 14th Ave	Lights not within 350' of each other.	1	410'	
Med	N I St	From W Hernandez St to W Jordan St	Lights not within 350' of each other.	1	410'	Security light installed
Med	Wynnehurst St	From Bishop St to N 9th Ave	Lights not within 350' of each other.	1	410'	Security light installed
Med	Gerhardt Dr	From Gumwood Rd to Godwinson Rd	Lights not within 350' of each other.	1	410'	
Med	Woodbine Dr	From Tanglewood Dr to Wedgewood Rd	Lights not within 350' of each other.	1	410'	
Med	Dunwoody Dt	From Gumwood Rd to Godwinson Rd	Lights not within 350' of each other.	1	410'	
Med	Dunwoody Dt	From Wedgewood Rd to Fox Rd	Lights not within 350' of each other.	1	410'	
Med	Gerhardt Dr	From Gumwood Rd to Godwinson Rd	Lights not within 350' of each other.	1	410'	
Med	Marjean Dr	From Montaigne Dr to Degas St	Lights not within 350' of each other.	1	410'	
Med	W Jackson St	From N S St to N R St	Lights not within 350' of each other.	1	415'	Security light installed
Med	Barcia St	From N 11th Ave to N 12th Ave	Lights not within 350' of each other.	1	415'	
Med	Magnolia Ave	From E Fisher St to E Leonard St	Lights not within 350' of each other.	1	415'	Security light installed

CITY OF PENSACOLA – STREET LIGHT DEFICIENCY LIST

Med	Nagel Dr	From Firestone Blvd to Dunfries Rd	Lights not within 350' of each other.	1	415'	
Med	Bonner Rd	From Nagel Dr to Heyward Dr	Lights not within 350' of each other.	1	415'	
Med	Tanglewood Dr	From Wedgewood Dr to Tennyson Dr	Lights not within 350' of each other.	1	415'	
Med	Aiken Rd	From Hallmark Dr to Semur Rd	Lights not within 350' of each other.	1	415'	
Med	Flax Rd	From Kingsberry Dr to Langley Ave	Lights not within 350' of each other.	1	415'	Security light installed
Med	Renoir St.	From Summit Blvd to Marjean Dr	Lights not within 350' of each other.	1	415'	
Med	Swan Ln	From Hilltop Dr to Alvarado Rd	Lights not within 350' of each other.	1	415'	Security light installed
Med	S F St	From Barrancas Ave to W Cervantes St	Lights not within 350' of each other.	1	420'	Security light installed
Med	Valley Dr	From Thornhill Rd to Evergreen Rd	Lights not within 350' of each other.	1	420'	
Med	Nagel Dr	From Hopestill Rd to Tyler Ave	Lights not within 350' of each other.	1	420'	
Med	Bonner Rd	From Heyward Dr to Hallmark Dr	Lights not within 350' of each other.	1	420'	
Med	Baisden Rd	From McClellan Rd to Hallmark Dr	Lights not within 350' of each other.	1	420'	Security light installed
Med	Rothschild Dr	From Whistle Dr to Goya Dr	Lights not within 350' of each other.	1	420'	
Med	Tippin Ave	From John Carroll Dr to E Burgess Rd	Lights not within 350' of each other.	1	420'	
Med	Reynosa Dr	From Limestone Rd to Reynosa Dr	Lights not within 350' of each other.	1	420'	
Med	April Rd	From Limestone Rd to Valencia Rd	Lights not within 350' of each other.	1	420'	
Med	Peacock Dr	From Cardinal Dr to Lark Ave	Lights not within 350' of each other.	1	420'	Security light installed
Med	Baywoods Dr	From Baywoods Pl to Baywoods Cir	Lights not within 350' of each other.	1	420'	
Med	Capri Dr	From Leesway Blvd to Danamar Dr	Lights not within 350' of each other.	1	420'	Security light installed
Med	Woodmere Dr	From Evergreen Rd to Valley Dr	Lights not within 350' of each other.	1	425'	
Med	N 10th Ave	From Barcia Dr to Rosewood Dr	Lights not within 350' of each other.	1	425'	
Med	Semur Rd	From Piedmont Rd to McClellan Rd	Lights not within 350' of each other.	1	425'	
Med	Degas St	From Marjean Dr to Wimbledon Dr	Lights not within 350' of each other.	1	425'	
Med	Montalvo Dr.	From Montalvo Dr. to Manolete St.	Lights not within 350' of each other.	1	425'	
Med	Canopy Rd	From Scenic Hwy to Dunlieth Pl	Lights not within 350' of each other.	1	425'	
Med	Keating Rd	From Tide Dr to Keating Terrace	Lights not within 350' of each other.	1	425'	
Med	E Burgess Rd	From Joy St to Chapel St	Lights not within 350' of each other.	1	430'	
Med	W Gregory St	From N P St to N Pace Blvd	Lights not within 350' of each other.	1	430'	
Med	Menendez Dr	From Texar Dr to E 34th St	Lights not within 350' of each other.	1	430'	
Med	Shannon Pl.	From Shannon Cir to dead end	Lights not within 350' of each other.	1	430'	
Med	Raines St	From Tippin Ave to Stark Ave	Lights not within 350' of each other.	1	430'	
Med	Crawford Dr	From Limestone Rd to Reynosa Dr	Lights not within 350' of each other.	1	430'	
Med	Hopestill Rd	From Nagel Dr to Heyward Dr	Lights not within 350' of each other.	1	435'	
Med	Woodbine Dr	From Fox Rd to Dunwoody Dr	Lights not within 350' of each other.	1	435'	Security light installed
Med	Devereux Dr	From Dunlieth Pl to Devereux Dr	Lights not within 350' of each other.	1	435'	
Med	Woodcliff Dr	From Livingston Dr to Rugby Ct	Lights not within 350' of each other.	1	435'	
Med	Hopestill Rd	From Nagel Dr to Heyward Dr	Lights not within 350' of each other.	1	440'	Security light installed
Med	Copley Dr	From Crown Dr to Beacon Rd	Lights not within 350' of each other.	1	440'	Security light installed
Med	Crawford Dr	From Reynosa Dr to Limestone Rd	Lights not within 350' of each other.	1	440'	

CITY OF PENSACOLA – STREET LIGHT DEFICIENCY LIST

Med	Collingswood Rd	From Randwick Rd to Gallahad Rd	Lights not within 350' of each other.	1	440'	Security light installed
Med	Canopy Rd	From Scenic Hwy to Dunlieth Pl	Lights not within 350' of each other.	1	440'	
Med	N Spring St	From W Garden St to W Chase St	Lights not within 350' of each other.	1	450'	
Med	N Tarragona St	From E Garden St to E Chase St	Lights not within 350' of each other.	1	450'	
Med	Menendez Dr	From Stow Ave to Driftwood Dr	Lights not within 350' of each other.	1	450'	
Med	Hewitt St	From N Davis Hwy to Skyline Dr	Lights not within 350' of each other.	1	450'	Security light installed
Med	Perry Ave	From E Gadsden St to E Cervantes St	Lights not within 350' of each other.	1	450'	
Med	McClellan Rd	From Hallmark Dr to Semur Rd	Lights not within 350' of each other.	1	450'	Security light installed
Med	Hallmark Dr	From Piedmont Rd to Galt Rd	Lights not within 350' of each other.	1	450'	
Med	E Hernandez St	From N 9th Ave to N 10th Ave	Lights not within 350' of each other.	1	455'	
Med	E Cross St	From N 15th Ave to N 16th Ave	Lights not within 350' of each other.	1	455'	
Med	E Lakeview Ave	From N 9th Ave to N 10th Ave	Lights not within 350' of each other.	1	460'	
Med	Gerhardt Dr	From Fox Rd to Woodbine Dr	Lights not within 350' of each other.	1	460'	
Med	King Arthur Dr	From Gawin Dr to Lancelot Dr	Lights not within 350' of each other.	1	460'	Security light installed
Med	Dunmire St	From Tippin Ave to dead end	Lights not within 350' of each other.	1	460'	Security light installed
Med	Magnolia Ave	From N 20th Ave to E Baars St	Lights not within 350' of each other.	1	465'	
Med	Avenida Marina	From Langley Ave to dead end	Lights not within 350' of each other.	1	465'	
Med	E Strong St	From N 13th Ave to N 14th Ave	Lights not within 350' of each other.	1	470'	
Med	E Gadsden St	From N 12th Ave to N 13th Ave	Lights not within 350' of each other.	1	475'	
Med	Copley Dr	From Hallmark Dr to Crown Dr	Lights not within 350' of each other.	1	480'	
Med	Lancelot Dr	From Chapel St to N 9th Ave	Lights not within 350' of each other.	1	480'	Security light installed
Med	Bedeaver Dr	From Gawin Dr to Lancelot Dr	Lights not within 350' of each other.	1	480'	Security light installed
Med	S L St	From W Pine to W Gimble	Lights not within 350' of each other.	1	485'	
Med	Woodland Dr	From Gentian Dr to Fairfax Dr	Lights not within 350' of each other.	1	485'	Security light installed
Med	Bay Blvd	From Perry Ave to Bayou Blvd	Lights not within 350' of each other.	1	485'	
Med	Devereux Dr	From Devereux Cir to Dunlieth Pl	Lights not within 350' of each other.	1	485'	
Med	Piedmont Rd	From Galt Rd to Semur Rd	Lights not within 350' of each other.	1	490'	
Med	W Moreno St	From N 11th Ave to N 12th Ave	Lights not within 350' of each other.	1	495'	
Med	Morningside Dr	From Piedmont Rd to Copley Dr	Lights not within 350' of each other.	1	495'	
Med	Dunwoody Dt	From Gumwood Rd to Godwinson Rd	Lights not within 350' of each other.	1	500'	
Med	Manolete Dr.	From Montalvo Dr to dead end	Lights not within 350' of each other.	1	500'	
Med	Arbutus Dr	From Hilltop Dr to San Monica Rd	Lights not within 350' of each other.	2	500'	
Med	Newton Dr	From Penifield Dr to Rothschild Dr	Lights not within 350' of each other.	1	515'	
Med	Osceola Blvd	From Whaley Ave to E Scott St	Lights not within 350' of each other.	1	530'	
Med	Chadwick St	From Skyline Dr to Bishop St	Lights not within 350' of each other.	1	545'	Security light installed
Med	Devereux Dr	From Devereux Cir to Devereux Terrace	Lights not within 350' of each other.	1	555'	
Med	Schwab Dr	From Lansing Dr to Varian Ct	Lights not within 350' of each other.	1	565'	Security light installed
Med	Obregon	From Limestone Rd to Reynosa Dr	Lights not within 350' of each other.	1	565'	
Med	Balmoral Dr	From Woodcliff Rd to Altar	Lights not within 350' of each other.	2	580'	Security light installed

CITY OF PENSACOLA – STREET LIGHT DEFICIENCY LIST

Med	E Salamanca St	From N 9th Ave to N 11 Ave	Lights not within 350' of each other.	1	595'	
Med	Chapel St	From Parker Cir to Parker Cir	Lights not within 350' of each other.	1	600'	Security light installed
Med	Gentian Dr	From Woodland Dr to Acacia Dr	Lights not within 350' of each other.	1	600'	Security light installed
Med	Lanier Dr	From Landsing Dr to city limit	Lights not within 350' of each other.	3	605'	Security light installed
Med	Limestone Rd	From April Rd to Cherry Laurel Dr	Lights not within 350' of each other.	1	640'	
Med	Peacock Dr	From Cardinal Dr to Creighton Rd	Lights not within 350' of each other.	1	685'	Security light installed
Med	Ellison Dr	North of N 12th Ave, West of Windchime Way	Lights not within 350' of each other.	2	775'	
Med	W Gimble St	From S I St to S F St	Lights not within 350' of each other.	2	880'	
Med	Parker Cir	From Chapel St to Joy St	Lights not within 350' of each other.	2	910'	One security light installed
Med	Lansing Dr	From Schwab Dr to Lanier Dr	Lights not within 350' of each other.	2	950'	Security light installed
Med	John Carroll Dr	From Tippin Ave to N 9th Ave	Lights not within 350' of each other.	2	950'	
Med	W Leonard St	From N B St to N Palafox St	Lights not within 350' of each other.	4	1285'	
Low	S Devilliers	Intersection of W Intendencia and S Devilliers	No light installed at intersection.			
Low	S N St	North of Cypress St, South of Barrancas Ave	No light installed at cul-de-sac.			
Low	E Blount St	East of Scenic Hwy	No light installed at dead end.			
Low	N G St	Intersection of N G St and W Moreno St	No light installed at intersection.			Satisfies 350' deficiency
Low	E Jackson St	Intersection of E Jackson St and N Guillemard St	No light installed at intersection.			
Low	N P St	Intersection of N P St and W Gregory St	No light installed at intersection.			
Low	S J St	North of Cypress St	No light installed at dead end.			
Low	Water St	West of N Stillman St	No light installed at dead end.			
Low	S I St	From Sonia St to Dead end	No light installed at dead end.			
Low	W Jackson St	Intersection of W Jackson and Boland Pl	No light installed at intersection.			Security light installed
Low	W La Rua St	Intersection of W La Rua St and Hayne St	No light installed at intersection.			
Low	Gamarra Rd	East of Menendez Dr	No light installed at dead end.			
Low	Ellison Dr	West of Ellison Dr	No light installed at cul-de-sac.			
Low	Martinique Rd	North of Fairchild St	No light installed at cul-de-sac.			Satisfies 350' deficiency
Med	Biscayne Ct	North of Drexel Rd, South of Langley Ave	No light installed at cul-de-sac.			Security light installed
Med	Osprey Pl	North of Airport Blvd, East of Otter Point Rd	No light installed at cul-de-sac.			
Med	Briarcliff Dr	North of W Navy Blvd, West of N W St	No light installed at dead end.			Security light installed
Med	N H St	Intersection of N H St and W Avery St	No light installed at intersection.			Satisfies 350' deficiency
Med	N F St	Intersection of N F St and W Moreno St	No light installed at intersection.			Satisfies 350' deficiency
Med	N A St	Intersection of N A and W Avery St	No light installed at intersection.			Satisfies 350' deficiency
Med	N 12th Ave	Intersection of N 12th Ave and E Salamanca St	No light installed at intersection.			Satisfies 350' deficiency
Med	E Jackson St	Intersection of E Jackson St and N 11th Ave	No light installed at intersection.			
Med	E Gadsden St	Intersection of E Gadsden St and N 10th Ave	No light installed at intersection.			Security light installed
Med	E Cross St	Intersection of E Cross St and N 14th Ave	No light installed at intersection.			Satisfies 350' deficiency
Med	E Leonard St	Intersection of E Leonard St and N 19th Ave	No light installed at intersection.			
Med	E Burgess Rd	Intersection of E Burgess Rd and Mona Ln	No light installed at intersection.			Security light installed
Med	Langley Ave	Intersection of Langley Ave and Ridgeway Cir	No light installed at intersection.			

CITY OF PENSACOLA – STREET LIGHT DEFICIENCY LIST

Med	E Maxwell St	Intersection of E Maxwell and Escambia Ave	No light installed at intersection.			
Med	Calloway Ave	Intersection of Calloway Ave and Marques St	No light installed at intersection.			
Med	W Lloyd St	Intersection of W Lloyd St and N J St	No light installed at intersection.			
Med	W Hernandez St	Intersection of W Hernandez St and N G St	No light installed at intersection.			
Med	E Bobe St	East of N Palafox St	No light installed at dead end.			
Med	E De Soto St	Intersection of W De Soto and N Reus St and	No light installed at intersection.			
Med	E Blount St	Intersection of E Blount St and N 20th Ave	No light installed at intersection.			
Med	La Rua Landing	South of E La Rua St	No light installed at dead end.			
Med	W Lakeview Ave	Intersection of W Lakeview Ave and N J St	No light installed at intersection.			Security light installed
Med	Ruffin Cir	South of Ruffin St	No light installed at cul-de-sac.			Security light installed
Med	Dunsinane Rd	Intersection of Dunsinane Rd and Cawdor Ct	No light installed at intersection.			Satisfies 350' deficiency
Med	Grande Dr	Intersection of Grande Dr and Office Wood Dr	No light installed at intersection.			Satisfies 350' deficiency
Med	Spanish Highlands Dr	Intersection of Montage Dr and Spanish Highlands Dr	No light installed at intersection.			Satisfies 350' deficiency
High	De Villiers St	From W Zarragossa St to W Gregory St	Lights only on one side of the road.			
High	Reus St	From W Gregory St to W Wright St	Lights only on one side of the road.			
High	N Barcelona St	From W Chase St to W Gadsden St	Lights only on one side of the road.			
High	Spring St	From W Main St to W Wright St	Lights only on one side of the road.			
High	Baylen St	From W Main St to W Belmont St	Lights only on one side of the road.			
High	W Government St	From S Devilliers St to S B St	Lights only on one side of the road.			
High	W Government St	From S Reus St to S Baylen St	Lights only on one side of the road.			
High	W Government St	From S D St to S G St	Lights only on one side of the road.			
High	W Intendencia St	From S A St to S Baylen St	Lights only on one side of the road.			
High	Coyle St	From W Government St to W Chase St	Lights only on one side of the road.			
High	Coyle St	From W Gregory St to W Cervantes St	Lights only on one side of the road.			
High	Tarragona St	From E Chase St to E Belmont St	Lights only on one side of the road.			
High	Tarragona St	From E La Rua St to E Blount St	Lights only on one side of the road.			
High	E Government St	From Cevallos St to S Tarragona St	Lights only on one side of the road.			
High	Intendencia St	From Cevallos St to S Baylen St.	Lights only on one side of the road.			
High	Intendencia St	From Spring St to S E St.	Lights only on one side of the road.			
High	Intendencia St	From S F St to S J St.	Lights only on one side of the road.			
High	Intendencia St	From S M St to S Pace Blvd	Lights only on one side of the road.			
High	Romana St	From S Tarragona St to S Spring St	Lights only on one side of the road.			
High	Romana St	From S Reus St to S Coyle St	Lights only on one side of the road.			
High	Romana St	From S A St to S I St	Lights only on one side of the road.			
High	Romana St	From S L St to S N St	Lights only on one side of the road.			
High	E Chase St	From N Tarragona St to N Palafox St	Lights only on one side of the road.			
High	W Chase St	From N Donelson St to N G St	Lights only on one side of the road.			
High	W Chase St	From N I St to N Pace Blvd	Lights only on one side of the road.			
High	Gregory St	From N Baylen St to N E St	Lights only on one side of the road.			

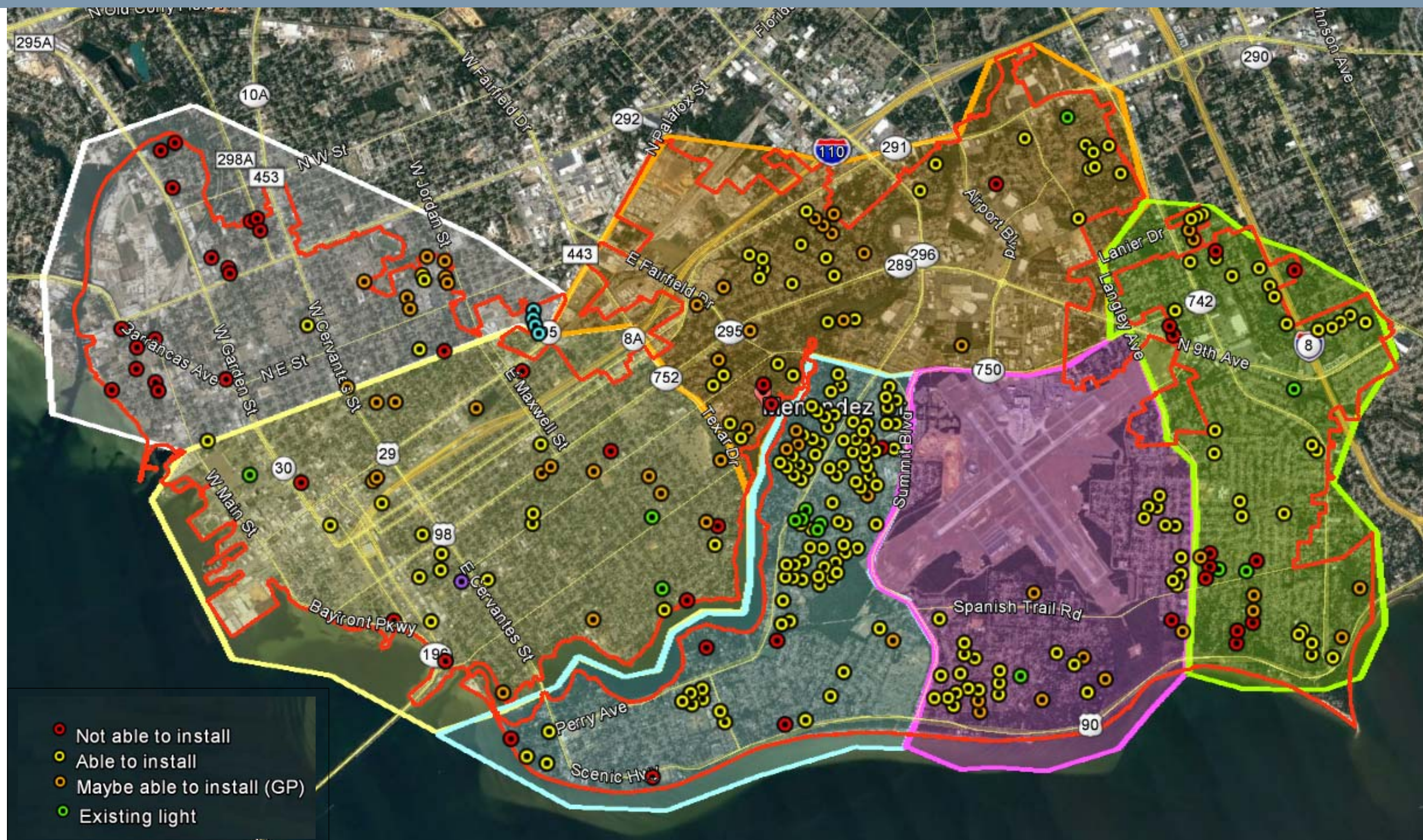
CITY OF PENSACOLA – STREET LIGHT DEFICIENCY LIST

High	Gregory St	From N I St to N Pace Blvd	Lights only on one side of the road.			
High	Wright St	From N 9th Ave to N Tarragonna	Lights only on one side of the road.			
High	Wright St	From N Baylen St to N Barcelona St	Lights only on one side of the road.			
High	Wright St	From N Coyle St to N Pac Blvd	Lights only on one side of the road.			
High	Belmont St	From N 17th Ave to N 13th Ave	Lights only on one side of the road.			
High	Belmont St	From N 11th Ave to N Davis St	Lights only on one side of the road.			
High	Belmont St	From N Baylen Ave to N Reus St	Lights only on one side of the road.			
High	Belmont St	From N B St to N D St	Lights only on one side of the road.			
High	Belmont St	From N F St to N G St	Lights only on one side of the road.			
High	La Rua St	From N 17th Ave to N Pace Blvd	Lights only on one side of the road.			
High	Jackson St	From N 17th Ave to N Barcelona St	Lights only on one side of the road.			
High	Jackson St	From N F St to N M Blvd	Lights only on one side of the road.			
High	Gadsden St	From N 11th Ave to N 7th Ave	Lights only on one side of the road.			
High	Gadsden St	From N Davis Hwy to N Hayne St	Lights only on one side of the road.			
High	Gadsden St	From N Guillemard St to N Palafox St	Lights only on one side of the road.			
High	Gadsden St	From N Spring St to N Pace Blvd	Lights only on one side of the road.			

“APPENDIX C”

Map of Street Light Deficiency Locations

CITY OF PENSACOLA – STREET LIGHT DEFICIENCY MAP



“APPENDIX D”

5 Year Plan - Estimated Cost and Grouping of Projects

CITY OF PENSACOLA – 5 YEAR PLAN

Year	Location	Description	Cost	Notes
2018/2019	Jefferson Street (Government to Garden)	Replacement of Fixtures, Poles, Conductors	\$820,000.00	No replacement of Conduit or Sidewalk
2019	Jefferson Street (Garden to Chase)	Replacement of Fixtures, Poles, Conductors	\$305,000.00	No replacement of Conduit or Sidewalk
Various Location West of "A" Street to City limits				
2020	5 location that should be able to be done	Identified as not having light at intersection or spacing issue	\$5,000.00	Has reoccurring maintenance cost of 120 per light per year
2020	8 locations possible but need to check with GP	Identified as not having light at intersection or spacing issue	\$9,600.00	Has reoccurring maintenance cost of 120 per light per year
Various Location East of "A" Street/West of Bayou Texar/South of Texar Drive				
2020	13 location that should be able to be done	Identified as not having light at intersection or spacing issue	\$13,000.00	Has reoccurring maintenance cost of 120 per light per year
2020	13 locations possible but need to check with GP	Identified as not having light at intersection or spacing issue	\$15,600.00	Has reoccurring maintenance cost of 120 per light per year
Various Location West of Bayou Texar/West of 12th Ave/North of Texar Drive/South of Creighton Road				
2020	27 location that should be able to be done	Identified as not having light at intersection or spacing issue	\$27,000.00	Has reoccurring maintenance cost of 120 per light per year
2020	12 locations possible but need to check with GP	Identified as not having light at intersection or spacing issue	\$18,000.00	Has reoccurring maintenance cost of 120 per light per year
Various Location East of 12th Ave/South of Summit Blvd/East of Bayou Texar				
2020	83 location that should be able to be done	Identified as not having light at intersection or spacing issue	\$83,000.00	Has reoccurring maintenance cost of 120 per light per year
2020	6 locations possible but need to check with GP	Identified as not having light at intersection or spacing issue	\$7,200.00	Has reoccurring maintenance cost of 120 per light per year
Various Location East of 12th Ave/South of Langley Ave/North of Summit Blvd				
2020	28 location that should be able to be done	Identified as not having light at intersection or spacing issue	\$28,000.00	Has reoccurring maintenance cost of 120 per light per year
2020	7 locations possible but need to check with GP	Identified as not having light at intersection or spacing issue	\$10,500.00	Has reoccurring maintenance cost of 120 per light per year
Various Location East of Lanier/South of Olive Road/North of Langley Ave				
2020	28 location that should be able to be done	Identified as not having light at intersection or spacing issue	\$28,000.00	Has reoccurring maintenance cost of 120 per light per year
2020	7 locations possible but need to check with GP	Identified as not having light at intersection or spacing issue	\$8,400.00	Has reoccurring maintenance cost of 120 per light per year
Replacement of Box Lights Downtown				
2021	Spring Street (19 lights and poles)	Replacement of Fixtures, Poles, Conductors, and Foundation	\$570,000.00	No replacement of Conduit or Sidewalk
2020	Baylen Street (6 lights and poles)	Replacement of Fixtures, Poles, Conductors, and Foundation	\$180,000.00	No replacement of Conduit or Sidewalk
2022	Rues Street (11 lights and poles)	Replacement of Fixtures, Poles, Conductors, and Foundation	\$330,000.00	No replacement of Conduit or Sidewalk
2022	Government Street (9 lights and poles)	Replacement of Fixtures, Poles, Conductors, and Foundation	\$270,000.00	No replacement of Conduit or Sidewalk
2020	Intendencia Street (5 lights and poles)	Replacement of Fixtures, Poles, Conductors, and Foundation	\$150,000.00	No replacement of Conduit or Sidewalk
All Years	***Existing City owned Lighting to LED and change of fixture type - depending on budgeted projects and remainder of funding upgrades will be done block by block in the downtown core.		\$100,000.00	per year
2018-2019			\$1,125,000.00	
2020			\$583,300.00	
2021			\$570,000.00	
2022			\$600,000.00	
2018-2022	***LED UP GRADES – Note above		\$500,000.00	
Total			\$3,378,300.00	