# FY 2013 - 2017 Capital Improvement Program Street Lighting and Electric Undergrounding

Priority	Description	Total Estimated Costs	Appropriated Through FY 2012	Recommended FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017 and Beyond
1	Miscellaneous - Electric System Undergrounding - FY 2011 - 2015 (74480)	2,500,000	1,000,000	500,000	500,000	500,000	0	0
2	Los Robles Avenue - Electric System Undergrounding, Washington Blvd. to North City Limits (74841)	2,512,520	2,512,520	0	0	0	0	0
3	Hill Avenue - Street Lighting and Electric System Undergrounding, Villa St. to North City Limits (74488)	10,791,100	10,791,100	0	0	0	0	0
4	Alpine Street - Street Lighting and Electrical System Undergrounding, Marengo Avenue to El Molino Avenue (74801)	3,863,350	3,863,350	0	0	0	0	0
5	Mountain Street - Street Lighting and Electrical System Undergrounding, Lake Avenue to Hill Avenue (74909)	2,527,500	2,527,500	0	0	0	0	0
6	Raymond Avenue - Electric System Undergrounding, Maple Street to North City Limits (74490)	14,085,200	12,895,000	0	512,700	677,500	0	0
7	Howard Street - Electrical System Undergrounding, Lincoln Avenue to Raymond Avenue (74485)	3,805,250	1,880,000	0	1,925,250	0	0	0
8	Sierra Madre Boulevard - Electrical System Undergrounding, Villa Street to Paloma Street	1,811,000	0	0	800,000	1,011,000	0	0
9	Hastings Ranch Dr - Sierra Madre Blvd -Street Lighting & Undergrounding, Rosemead Blvd to Sierra Madre Blvd and Riviera Dr to Michillinda Ave	10,456,000	0	0	5,000,000	5,456,000	0	0
Tota	al	52,351,920	35,469,470	500,000	8,737,950	7,644,500	0	0

## FY 2013 - 2017 Capital Improvement Program Street Lighting and Electric Undergrounding

#### Miscellaneous - Electric System Undergrounding - FY 2011 - 2015

#### 74480

<b>Priority</b> 1	Project No. 74480	o. Description  Miscellaneous - Electric System  Undergrounding - FY 2011 - 2015	Total Estimated Costs	Appropriated Through FY 2012	Recommended FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017 and Beyond
	Undergro	ound Surtax	2,500,000	1,000,000	500,000	500,000	500,000	0	0
	Total		2,500,000	1,000,000	500,000	500,000	500,000	0	0

**DESCRIPTION:** This project provides for the undergrounding of electrical facilities and the installation of street lighting in conjunction with small undergrounding projects at various locations throughout the City. It also provides refunds to property owners for underground conversions in residential areas.

**JUSTIFICATION:** This project will enhance the aesthetic quality of the streetscape by removing unsightly utility poles and overhead wires. Undergrounding the utilities will also improve system reliability.

**SCHEDULE:** This is an ongoing project which is based on small undergrounding projects that are not part of an established underground district.

**RELATIONSHIP TO THE GENERAL PLAN:** This project is consistent with the Mobility Element/Power Facilities in that to improve the visual environment of the City through improved streetscapes, conversion of existing overhead to underground facilities will be encouraged.

**HISTORY:** The project was created and received initial funding in FY 1983 under project number 74569. The project was segmented into five year increments starting in FY 2011 as project number 74480. A new five year phase of this project will be created in FY 2016.

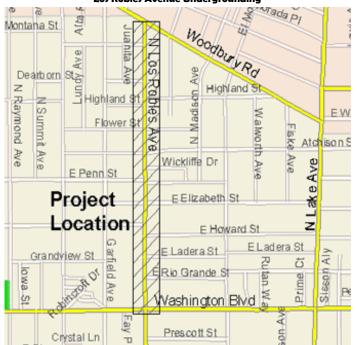
#### Street Lighting and Electric Undergrounding

## Los Robles Avenue - Electric System Undergrounding, Washington Blvd. to North City Limits

#### 74841

Priority 2	Project No 74841	Los Robles Avenue - Electric System Undergrounding, Washington Blvd. to North City Limits	Total Estimated Costs	Appropriated Through FY 2012	Recommended FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017 and Beyond
	Undergro	und Surtax - Power Facilities	2,417,220	2,417,220	0	0	0	0	0
	Undergro	und Surtax - Street Lighting	95,300	95,300	0	0	0	0	0
	Total		2,512,520	2,512,520	0	0	0	0	0





**DESCRIPTION:** This project provides for the undergrounding of electrical utilities on Los Robles Avenue from Washington Boulevard to the north city limits.

**JUSTIFICATION:** Undergrounding the power facilities improves streetscape aesthetics and system reliability.

**SCHEDULE:** Pole removal began in FY 2012 and will be completed in FY 2013.

**RELATIONSHIP TO GENERAL PLAN:** This project is consistent with the Mobility Element/Power Facilities in that to improve the visual environment of the City through improved streetscapes, conversion of existing overhead to underground facilities will be encouraged.

**IMPACT ON THE NORTHWEST:** This project is located in Northwest Pasadena which is an area that has been targeted for revitalization.

**SPECIAL CONSIDERATION:** On August 10, 2009, \$2,587,780 in Undergrounding Surtax funds was transferred from this project to project 3174 Utility Undergrounding in the Electric System section.

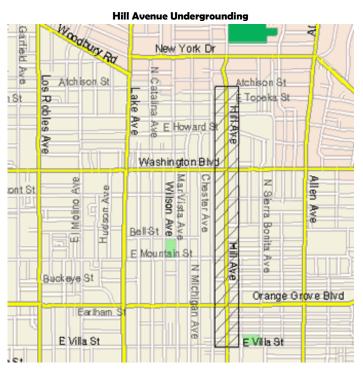
**HISTORY:** This project was created in FY 1990, received initial funding in FY 1991, and was fully funded in FY 2012. This underground district was established in FY 2004. Design of the underground power system was completed in FY 2008. Construction of the street lights and electric system were completed in FY 2011.

#### Street Lighting and Electric Undergrounding

## Hill Avenue - Street Lighting and Electric System Undergrounding, Villa St. to North City Limits

74488

Priority 3	Project No 74488	. Description  Hill Avenue - Street Lighting and Electric System Undergrounding, Villa St. to North City Limits	Total Estimated Costs	Appropriated Through FY 2012	Recommended FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017 and Beyond
	Undergrou	and Surtax - Power Facilities	9,097,500	9,097,500	0	0	0	0	0
	Undergrou	and Surtax - Street Lighting	1,693,600	1,693,600	0	0	0	0	0
	Total		10,791,100	10,791,100	0	0	0	0	0



**DESCRIPTION:** This project provides for the installation of a new street lighting system using energy efficient lighting and the undergrounding of electrical utilities on Hill Avenue from Villa Street to the north city limits.

**JUSTIFICATION:** Street lights enhance public safety through improved lighting levels. The energy efficient lights will reduce the City's environmental carbon footprint. The energy efficient street lamps are mercury free, have a longer life than other lamps and consume approximately 50 percent less energy. Undergrounding the power facilities improves streetscape aesthetics and system reliability.

**SCHEDULE:** Construction of the street lighting will be completed in FY 2013. Poles will be removed in FY 2014.

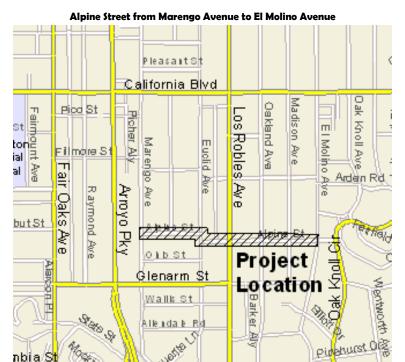
**RELATIONSHIP TO GENERAL PLAN:** This project is consistent with the Mobility Element/Power Facilities in that to improve the visual environment of the City through improved streetscapes, conversion of existing overhead to underground facilities will be encouraged.

**HISTORY:** This project was created in FY 1986, received initial funding in FY 2004, and was fully funded in FY 2012. This underground district was established in FY 2005. Design of the street lighting and electrical systems was completed in FY 2009. Construction of the electric system was completed in FY 2012.

### Street Lighting and Electric Undergrounding

## Alpine Street - Street Lighting and Electrical System Undergrounding, Marengo Avenue to El Molino Avenue 74801

<b>Priority</b> 4	Project No 74801	Alpine Street - Street Lighting and Electrical System Undergrounding, Marengo Avenue to El Molino Avenue	Total Estimated Costs	Appropriated Through FY 2012	Recommended FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017 and Beyond
	Undergrou	and Surtax - Power Facilities	3,349,250	3,349,250	0	0	0	0	0
	Undergrou	and Surtax - Street Lighting	514,100	514,100	0	0	0	0	0
	Total		3,863,350	3,863,350	0	0	0	0	0



**DESCRIPTION:** This project provides for the undergrounding of electrical utilities and the installation of a new street lighting system using energy efficient lighting on Alpine Street from Marengo Avenue to El Molino Avenue.

**JUSTIFICATION:** This project will improve street lighting for traffic and pedestrian safety. The energy efficient lights will reduce the City's environmental carbon footprint. The energy efficient street lamps are mercury free, have a longer life than other lamps and consume approximately 50 percent less energy. Undergrounding of electrical facilities will improve streetscape aesthetics and system reliability.

**SCHEDULE:** Construction of the electrical system will be completed in FY 2013. Poles will be removed in FY 2014.

**RELATIONSHIP TO THE GENERAL PLAN:** This project is consistent with the Public Facilities Element Objective 2 by providing more efficient development and utilization of public facilities. In addition, the project is consistent with Public Facilities Element Objective 5 by providing a high level of design quality in all public streets.

**HISTORY:** This project was created in FY 2007 and fully funded in FY 2012. The establishment of the district was completed in FY 2008 and the electric system design was completed in FY 2009. Design of the street lighting was completed in FY 2010 and construction was completed in FY 2012.

#### Street Lighting and Electric Undergrounding

## Mountain Street - Street Lighting and Electrical System Undergrounding, Lake Avenue to Hill Avenue 74909

<b>Priority</b> 5	Project No 74909	Mountain Street - Street Lighting and Electrical System Undergrounding, Lake Avenue to Hill Avenue	Total Estimated Costs	Appropriated Through FY 2012	Recommended FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017 and Beyond
	Undergrou	and Surtax - Power Facilities	2,027,500	2,027,500	0	0	0	0	0
	Undergrou	and Surtax - Street Lighting	500,000	500,000	0	0	0	0	0
	Total		2,527,500	2,527,500	0	0	0	0	0

#### Mountain Street from Lake Avenue to Hill Avenue Wells Alv Washington Blvd Wesley Holliston Ave Catalina Ave Michigan Awe Chester Ave Mar Vista Ave Hill Ave Lake . ₽ 0 <u>Bálvidara St</u> Ball St Palm ⊕asa Gi Project ald Location ఠ E Mou ⊤em ple A Merritt D Evelyn Pl Boylston St Elmira St a St Orangel Gröve Blvd Earlham St.

**DESCRIPTION:** This project provides for the undergrounding of electrical utilities and the installation of a new street lighting system using energy efficient lighting on Mountain Street from Lake Avenue to Hill Avenue.

**JUSTIFICATION:** This project will improve street lighting for traffic and pedestrian safety. The energy efficient lights will reduce the City's environmental carbon footprint. The energy efficient street lamps are mercury free, have a longer life than other lamps and consume approximately 50 percent less energy. Undergrounding of electrical facilities will improve streetscape aesthetics and system reliability.

**SCHEDULE:** Construction of street lighting will be completed in FY 2013. Design of electric system will be completed in FY 2014 and construction will be completed in FY 2015. Poles will be removed in FY 2016.

**RELATIONSHIP TO THE GENERAL PLAN:** This project is consistent with the Public Facilities Element Objective 2 by providing more efficient development and utilization of public facilities. In addition, the project is consistent with Public Facilities Element Objective 5 by providing a high level of design quality in all public streets.

**HISTORY:** This project was created in FY 2007 and fully funded in FY 2012.

### Street Lighting and Electric Undergrounding

## Raymond Avenue - Electric System Undergrounding, Maple Street to North City Limits

#### 74490

<b>Priority</b> 6	Project No 74490	Raymond Avenue - Electric System Undergrounding, Maple Street to North City Limits	Total Estimated Costs	Appropriated Through FY 2012	Recommended FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017 and Beyond
	Undergrou	and Surtax	14,085,200	12,895,000	0	512,700	677,500	0	0
	Total		14,085,200	12,895,000	0	512,700	677,500	0	0



**DESCRIPTION:** This project provides for the undergrounding of electrical utilities on Raymond Avenue from Maple Street to the north city limits.

**JUSTIFICATION:** Undergrounding the power facilities improves streetscape aesthetics and system reliability.

**SCHEDULE:** Construction of street lighting will be completed in FY 2013. Design of electric system will be completed in FY 2014 and construction will begin in FY 2015.

**RELATIONSHIP TO GENERAL PLAN:** This project is consistent with the Public Facilities Element Objective 5 of the General Plan by encouraging a high level of maintenance of existing facilities to ensure public safety. It is also consistent with Land Use Element Objective 13 by providing adequate support for institutions that serve the needs of Pasadena's diverse residents and families.

**IMPACT ON THE NORTHWEST:** This project is located in Northwest Pasadena which is an area that has been targeted for revitalization.

**HISTORY:** This project was created and received initial funding in FY 2004. The underground district was established in FY 2006. Design of street lighting was completed in FY 2012.

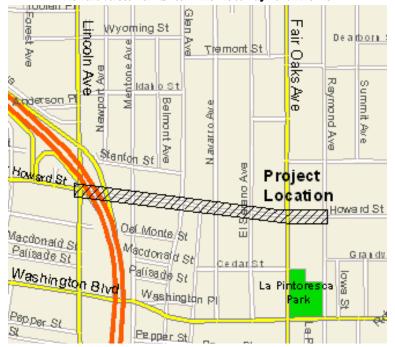
#### Street Lighting and Electric Undergrounding

#### Howard Street - Electrical System Undergrounding, Lincoln Avenue to Raymond Avenue

#### 74485

<b>Priority</b> 7	Project No 74485	. Description  Howard Street - Electrical System Undergrounding, Lincoln Avenue to Raymond Avenue	Total Estimated Costs	Appropriated Through FY 2012	Recommended FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017 and Beyond
	Undergrou	and Surtax - Power Facilities	2,752,750	880,000	0	1,872,750	0	0	0
	Undergrou	and Surtax - Street Lighting	1,052,500	1,000,000	0	52,500	0	0	0
	Total		3,805,250	1,880,000	0	1,925,250	0	0	0

#### **Howard Street from Lincoln Avenue to Raymond Avenue**



**DESCRIPTION:** This project provides for the undergrounding of electrical utilities and the installation of a new street lighting system using energy efficient lighting on Howard Street from Lincoln Avenue to Raymond Avenue.

**JUSTIFICATION:** This project will improve street lighting for traffic and pedestrian safety. The energy efficient lights will reduce the City's environmental carbon footprint. The energy efficient street lamps are mercury free, have a longer life than other lamps and consume approximately 50 percent less energy. Undergrounding of electrical facilities will improve streetscape aesthetics and system reliability.

**SCHEDULE:** Design of street lighting will begin in FY 2013. Design of electric system will be completed in FY 2015 and construction will be completed in FY 2016.

**RELATIONSHIP TO THE GENERAL PLAN:** This project is consistent with the Public Facilities Element Objective 2 by providing more efficient development and utilization of public facilities. In addition, the project is consistent with Public Facilities Element Objective 5 by providing a high level of design quality in all public streets.

**IMPACT ON THE NORTHWEST:** This project is located in Northwest Pasadena which is an area that has been targeted for revitalization.

**HISTORY:** This project was created in FY 2007 and received initial funding in FY 2011. The undergrounding district was established in FY 2009.

#### Street Lighting and Electric Undergrounding

#### Sierra Madre Boulevard - Electrical System Undergrounding, Villa Street to Paloma Street

Priority 8	Project No. Description  Sierra Madre Boulevard - Electrical System Undergrounding, Villa Street to Paloma Street	Total Estimated Costs	Appropriated Through FY 2012	Recommended FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017 and Beyond
	Underground Surtax	1,811,000	0	0	800,000	1,011,000	0	0
<u> </u>	Total	1,811,000	0	0	800,000	1,011,000	0	0

#### Sierra Madre Boulevard - Villa Street to Paloma Street Victory Park Magna Vista St Loma Vista St. Paloma St. Project Location Orange Grove Blvd Lam be it Dr La mbert Dr Las Lunas St a St De oda r.Okr Villa St A AVE Wagner St Maple St CorsomSt ≦á Tierra St Fie eze Ln Willte St Materio St ₩hite St <u>Foothill Blvd</u>

**DESCRIPTION:** This project provides for the undergrounding of electrical utilities and the installation of a new street lighting system using energy efficient lighting on Sierra Madre Boulevard from Villa Street to Paloma Street.

**JUSTIFICATION:** This project will improve street lighting for traffic and pedestrian safety. The energy efficient lights will reduce the City's environmental carbon footprint. The energy efficient street lamps are mercury free, have a longer life than other lamps and consume approximately 50 percent less energy. Undergrounding of electrical facilities will improve streetscape aesthetics and system reliability.

**SCHEDULE:** This project is scheduled to begin in FY 2014.

**RELATIONSHIP TO THE GENERAL PLAN:** This project is consistent with the Public Facilities Element Objective 2 by providing more efficient development and utilization of public facilities. In addition, the project is consistent with Public Facilities Element Objective 5 by providing a high level of design quality in all public streets.

**HISTORY:** This project was created in FY 2007 and is currently unfunded.

#### Street Lighting and Electric Undergrounding

Hastings Ranch Dr - Sierra Madre Blvd -Street Lighting & Undergrounding, Rosemead Blvd to Sierra Madre Blvd and Riviera Dr to Michillinda Ave

Priority 9	Project No. Description  Hastings Ranch Dr - Sierra Madre Blvd -Street Lighting & Undergrounding, Rosemead Blvd to Sierra Madre Blvd and Riviera Dr to Michillinda Ave	Total Estimated Costs	Appropriated Through FY 2012	Recommended FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017 and Beyond
	Underground Surtax	10,456,000	0	0	5,000,000	5,456,000	0	0
	Total	10.456.000	0	0	5.000.000	5.456.000	0	0





**DESCRIPTION:** This project provides for the undergrounding of electrical utilities and the installation of a new street lighting system using energy efficient lighting on Hastings Ranch Drive from Rosemead Boulevard to Sierra Madre Boulevard and on Sierra Madre Boulevard from 200 feet west of Riviera Drive to Michillinda Avenue.

**JUSTIFICATION:** This project will improve street lighting for traffic and pedestrian safety. The energy efficient lights will reduce the City's environmental carbon footprint. The energy efficient street lamps are mercury free, have a longer life than other lamps and consume approximately 50 percent less energy. Undergrounding of electrical facilities will improve streetscape aesthetics and system reliability.

**SCHEDULE:** This project is scheduled to begin in FY 2014.

**RELATIONSHIP TO THE GENERAL PLAN:** This project is consistent with the Public Facilities Element Objective 2 by providing more efficient development and utilization of public facilities. In addition, the project is consistent with Public Facilities Element Objective 5 by providing a high level of design quality in all public streets.

**HISTORY:** This project was created in FY 2007 and is currently unfunded.