



STREET LIGHTING AND ELECTRIC UNDERGROUNDING



ADOPTED CAPITAL IMPROVEMENT PROGRAM | FISCAL YEAR 2022 – 2026



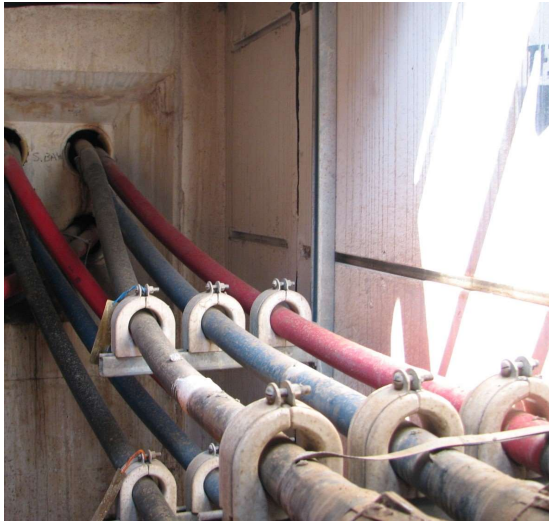
FY 2022 - 2026 Capital Improvement Program
Street Lighting and Electric Undergrounding

Priority	Description	Total Estimated Costs	Appropriated Through FY 2021	Adopted FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026 and Beyond
1	Utility Undergrounding for Wildfire Prevention (3216)	4,505,000	100,000	40,000	2,065,000	2,300,000	0	0
2	Mountain Street - Electrical System Undergrounding, Lake Avenue to Hill Avenue (3213)	10,000,000	4,800,000	0	4,000,000	300,000	900,000	0
3	Raymond Avenue - Electrical System Undergrounding, Maple Street to North City Limits (3214)	25,135,000	500,000	450,000	500,000	13,500,000	7,000,000	3,185,000
4	Electric System Undergrounding Outside Established Undergrounding Districts (3210)	360,000	300,000	0	15,000	15,000	15,000	15,000
Total		40,000,000	5,700,000	490,000	6,580,000	16,115,000	7,915,000	3,200,000

FY 2022 - 2026 Capital Improvement Program
 Street Lighting and Electric Undergrounding
 Utility Undergrounding for Wildfire Prevention
 3216

Priority	Project No.	Description	Total Estimated Costs	Appropriated Through FY 2021	Adopted FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026 and Beyond
1	3216	Utility Undergrounding for Wildfire Prevention							
		Undergrounding Utilities Fund - Power Facilities (3215)	4,505,000	100,000	40,000	2,065,000	2,300,000	0	0
		Total	4,505,000	100,000	40,000	2,065,000	2,300,000	0	0

Utility Undergrounding



DESCRIPTION: This project provides for the conversion of high voltage overhead circuitry to underground electrical infrastructure in areas identified as elevated or extreme fire threat districts, wherever feasible.

JUSTIFICATION: This project is necessary to mitigate risk of catastrophic wildfires that may be caused by Pasadena’s electrical distribution system in areas defined by Cal Fire and the California Public Utilities Commission as “elevated or extreme fire risk.”

SCHEDULE: In FY 2022, design will begin to underground high voltage overhead circuitry to mitigate the fire risk in the neighborhoods in the elevated or extreme fire risk areas of the City.

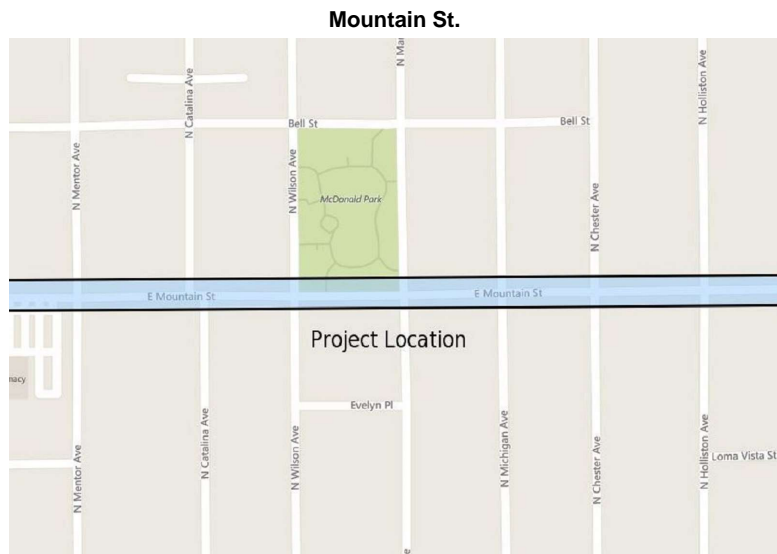
RELATIONSHIP TO THE GENERAL PLAN: This project is consistent with Safety Element Goal R-1 stating that it is the City’s desire to reduce threats to public and private property from wildland and urban fire hazards. The project is also consistent with Land Use Element Policy 10.16 (Infrastructure) by designing, constructing, maintaining, and improving Pasadena’s infrastructure to conserve and reduce impacts to the natural environment; and Policy 16.2 (Service Adequacy) by periodically reviewing the impacts of major physical, environmental, economic and social changes and identifying their implications in meeting the service needs of Pasadena’s residents.

IMPACT ON THE NORTHWEST: This project has impact in Northwest Pasadena in areas where high voltage overhead circuitry exist.

HISTORY: This project was created and initially funded in FY 2021.

**FY 2022 - 2026 Capital Improvement Program
Street Lighting and Electric Undergrounding
Mountain Street - Electrical System Undergrounding, Lake Avenue to Hill Avenue
3213**

Priority	Project No.	Description	Total Estimated Costs	Appropriated Through FY 2021	Adopted FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026 and Beyond
2	3213	Mountain Street - Electrical System Undergrounding, Lake Avenue to Hill Avenue							
		Underground Utilities Fund - Power Facilities (3213)	9,200,000	4,000,000	0	4,000,000	300,000	900,000	0
		Underground Utilities Fund - Public Works (74821)	800,000	800,000	0	0	0	0	0
Total			10,000,000	4,800,000	0	4,000,000	300,000	900,000	0



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

JUSTIFICATION: Undergrounding power facilities improves streetscape aesthetics and system reliability. Street lights enhance public safety through improved lighting levels and increased visibility. Energy-efficient lights will reduce the City's environmental carbon footprint, have a longer life than other lamps, and consume approximately 50 percent less energy. Resurfacing will restore the condition of the roadway pavement after the electrical undergrounding is completed.

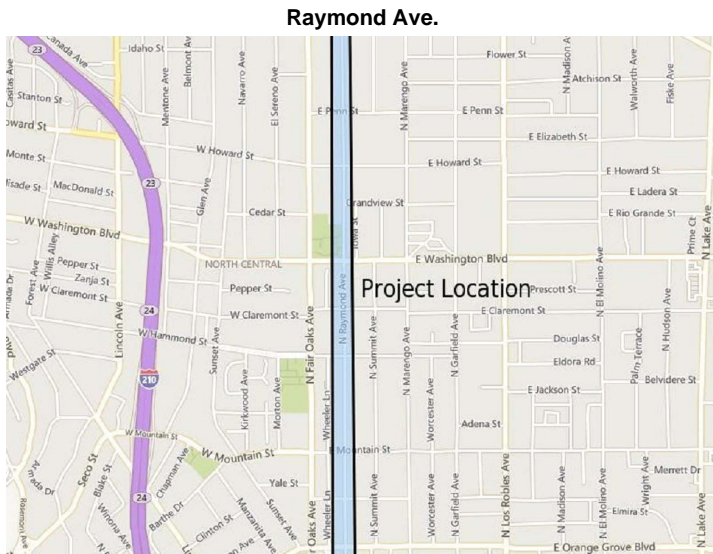
SCHEDULE: In FY 2022, design and coordination of the Mountain Street Underground Utility District will continue.

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 under CIP 74909 with a budget of \$5,433,400. This final phase of the project was created and received initial funding in FY 2017.

**FY 2022 - 2026 Capital Improvement Program
Street Lighting and Electric Undergrounding
Raymond Avenue - Electrical System Undergrounding, Maple Street to North City Limits
3214**

Priority	Project No.	Description	Total Estimated Costs	Appropriated Through FY 2021	Adopted FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026 and Beyond
3	3214	Raymond Avenue - Electrical System Undergrounding, Maple Street to North City Limits							
		Underground Utilities Fund - Power Facilities (3214)	15,035,000	200,000	150,000	500,000	10,500,000	500,000	3,185,000
		Underground Utilities Fund - Public Works (74823)	10,100,000	300,000	300,000	0	3,000,000	6,500,000	0
Total			25,135,000	500,000	450,000	500,000	13,500,000	7,000,000	3,185,000



DESCRIPTION: This project provides for the undergrounding of electrical utilities, the installation of a new street lighting system using energy-efficient lighting, and the resurfacing of the asphalt and concrete street on Raymond Avenue from Maple Street to the north City limits.

JUSTIFICATION: Undergrounding power facilities improves streetscape aesthetics and system reliability. Street lights enhance public safety through improved lighting levels and increased visibility. Energy-efficient lights will reduce the City's environmental carbon footprint, have a longer life than other lamps, and consume approximately 50 percent less energy. Resurfacing will restore the condition of the roadway pavement after the electrical undergrounding is completed.

SCHEDULE: In FY 2022, the coordinated design package for the Raymond Avenue Underground Utility District will begin.

RELATIONSHIP TO THE 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 initially funded in FY 2021. This project was created in FY 2004 under CIP 74490. The underground district was established in FY 2006.

FY 2022 - 2026 Capital Improvement Program
 Street Lighting and Electric Undergrounding
 Electric System Undergrounding Outside Established Undergrounding Districts
 3210

Priority	Project No.	Description	Total Estimated Costs	Appropriated Through FY 2021	Adopted FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026 and Beyond
4	3210	Electric System Undergrounding Outside Established Undergrounding Districts							
		Underground Utilities Fund - Power Facilities (3210)	360,000	300,000	0	15,000	15,000	15,000	15,000
Total			360,000	300,000	0	15,000	15,000	15,000	15,000

Underground Service Conversion



DESCRIPTION: This project provides for the reimbursement of property owners for underground service conversions outside of established Undergrounding Utility Districts.

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 involving undergrounding projects that are not part of an established undergrounding district. In FY 2022, an estimated four (4) service reimbursements will occur.

RELATIONSHIP TO THE GENERAL PLAN: This project is consistent with the Mobility Element/Power Facilities by improving the visual environment of the City through improved streetscapes; conversion of existing overhead to undergrounding facilities will be encouraged.

HISTORY: This project was created and received initial funding in FY 1983 under CIP 74569. It was segmented into a multi-year project in FY 2011 under CIP 74480. The current phase of this project began in FY 2017, however, the project became an annual ongoing project in FY 2019.