

Project: 825340 - Street Lights Conduit Replacement

Category:	Infrastructure	Project Type:	Traffic and Transportation	Project Manager:	Austin Bondy-Villa
Year Identified:	2006	Project Phase:	Underway	Project Coordinator:	Jim Burch
Est. Completion Year:	Ongoing	Department:	250 - Public Works	Fund - Sub-Fund:	3201 - General Fund Assets

Project Description/Scope/Purpose:

This project provides funding for replacement of damaged conduits, wiring, and other related components throughout the City on an as-needed basis as problems are identified by staff. Many of the City's streetlights have underground conduits that have been in place for many years and are showing deterioration. Failures are generally the result of tree roots, contractors damaging them, the age of the conduits, or by water intrusion creating electrical shorts. The budget is based upon using either in-house staff on overtime or contractors to repair or replace various damaged conduit in FY 2019/20.

Five segments of conduit will be replaced in FY 2021/22 with design completed in FY 2020/21. The segments include:

- The overhead lighting conduit on the two pedestrian bridges along Borregas Ave crossing HWY237 and HWY101.
- Approximately 1,000 ft of conduit along East Arques Ave between North Wolfe Rd and Santa Fe Terrance.
- Approximately 400 ft of conduit along North Fair Oaks Ave from East Arques Ave to East California Ave.
- Approximately 300 ft of conduit surrounding the intersection of Reamwood Ave and Elko Dr.

Future locations will be based upon damaged locations identified over the next three-year period, except for small spot repairs that can be corrected with the small annual budget referenced above.

Project Evaluation and Analysis:

The alternative to this project would be to not fix broken conduits, which would result in dark streets. Hazardous situations could occur if the conduit breaks in such a way that a street light pole is energized; however, this is not a very common occurrence.

Fiscal Impact:

This project is funded by the Gas Tax Fund.

Funding Sources:

Gas Tax Fund

Plans and Goals:

LT - Land Use and Transportation - LT-2: Environmentally Sustainable Land Use & Transportation Planning and Development

Project Financial Summary

	Project Costs	Revenues	Transfers In	Operating Costs
Prior Actual	498,211	-	466,374	-
2020 - 21	354,560	-	354,559	-
2021 - 22	560,949	-	-	-
2022 - 23	12,799	-	-	-
2023 - 24	13,446	-	-	-
2024 - 25	282,528	-	-	-
2025 - 26	14,841	-	-	-
2026 - 27	15,592	-	-	-
2027 - 28	334,078	-	-	-
2028 - 29	16,872	-	-	-
2029 - 30	17,726	-	-	-
2030 - 31	374,432	-	-	-
2031 - 32	19,564	-	-	-
2032 - 33	20,556	-	-	-
2033 - 34	457,438	-	-	-
2034 - 35	22,689	-	-	-
2035 - 36	23,837	-	-	-
2036 - 37	517,175	-	-	-
2037 - 38	26,311	-	-	-
2038 - 39	27,643	-	-	-
2039 - 40	565,132	-	-	-
2040 - 41	29,302	-	-	-
20 Year Total	3,352,911	-	-	-
Grand Total	4,205,682	-	820,934	-