

825290 - Pavement Rehabilitation

Originating Year:	2006	Project Type:	Traffic and Transportation	Department:	250 - Public Works
Planned Completion Year:	Ongoing	Category:	Infrastructure	Project Manager:	Marlon Quiambao Jr.

Project Description/Scope/Purpose

This project provides for ongoing roadway infrastructure preservation and rehabilitation to maintain Sunnyvale's network in very good condition. Specific yearly projects will be based upon annual roadway condition surveys and pavement management system (PMS) analysis. Projects include milling, wedge-grinding and overlay, cold in-place roadway recycling, crack sealing, street patching and slurry sealing. This effort was supplemented by 828030 - Annual Slurry Seal of City Streets and the Operations budget for roadway maintenance.

This project will continue the shift from typical roadway replacement strategies to a balanced approach between pavement preservation and roadway replacement. These strategies may include: microsurfacing, slurry seals, crack sealing, patch repairs, mill, wedge-grind and overlay, cold in-place or full depth roadway recycling, and other strategies that may become applicable. This overall strategy shift will allow the City to improve a larger roadway area and reach a yearly slurry sealing goal of 6 million sf annually starting in FY 2021/22. By reducing the cycle of resurfacing this will assist us in raising and maintaining the average PCI above 80.

Project Evaluation and Analysis

Maintaining Sunnyvale streets in very good condition is essential to maintain the economic vitality of the City and enhance the quality of life of City residents. The alternative is to delay needed preservation, repairs, and replacement. If delayed, lower cost preservation effort and minor street rehabilitation measures will become major street replacement projects at a much higher cost. This will result in dropping the PCI by 1 to 2 points per year.

Fiscal Impact

This project is funded by the SB83 VRF Road Improvement Program, Measure B, Gas Tax, Road Maintenance and Rehabilitation (SB1), and the General Fund. The project does not affect the operating budget; however, it will also provide for overtime needed for the warranted preparatory work prior to the application of either double chip seal or slurry seal roadways that will charge to this project. Any overages can be charged to Project 828030 - Annual Slurry Seal of City Streets.

Funding Sources

Gas Tax Street Improvement Fund, Road Maintenance and Rehabilitation Account (SB1) Fund, 2016 Measure B - Santa Clara VTA Fund, VRF Local Road Improvement Program Fund, and General Fund

Plans and Goals

CC - Community Character - CC-2: Attractive Street Environment

Project Financial Summary

	Project Costs	Revenues	Operating Costs
Prior Actual	26,057,466	21,656,085	-
2022-23	19,642,980	9,394,946	-
2023-24	5,602,090	-	-
2024-25	7,085,779	-	-
2025-26	5,929,071	-	-
2026-27	8,637,932	-	-
2027-28	8,309,031	-	-
2028-29	9,425,774	-	-
2029-30	8,942,071	-	-
2030-31	10,126,879	-	-
2031-32	9,625,680	-	-
2032-33	10,515,603	-	-
2033-34	10,363,855	-	-
2034-35	10,783,360	-	-
2035-36	10,713,144	-	-
2036-37	11,582,975	-	-
2037-38	11,075,917	-	-
2038-39	12,377,507	-	-
2039-40	10,771,634	-	-
2040-41	12,843,032	-	-
2041-42	11,328,946	-	-
2042-43	13,569,859	-	-
20 Year Total	199,610,139	-	-
Grand Total	245,310,585	31,051,031	-