

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	-

831680 - Adjust Sewer Utilities In Support of Paving Projects

Originating Year:	2016	Project Type:	Wastewater	Department:	270 - Environmental Services
Planned Completion Year:	Ongoing	Category:	Infrastructure	Project Manager:	Marlon Quiambao Jr.

Project Description/Scope/Purpose

This project provides for wastewater utility surface access adjustments in order to preserve consistent height with surfaces and roadways. Wastewater utility surface access features include manholes, clean out and inspection covers, drainage inlets, and other wastewater infrastructure surface access points. Wastewater utility surface access points can be impacted by street rehabilitation activities and other excavation projects.

Paving rehabilitation projects generally have an effect on the elevation of the surfaces of existing utility access assets. This project provides funding for the adjustment of utility access infrastructure with paving rehabilitation with both contracted and in-house projects. Additionally, the City performs utility access surface restoration as a result of public inquiry, unsafe condition, other misalignment, or in conjunction with other operational activities. This project will also provide funding for the purchase of new wastewater utility surface access covers that are worn out, damaged, structurally compromised, or those that are not able to be reinstalled.

Project Evaluation and Analysis

This project will ensure that wastewater utility surface access assets are maintained and restored in a manner that is consistent with City standards. The project will also ensure that wastewater utility surface access assets are able to be restored to a condition that allows for the smooth travel of vehicles and bicycles on roadways and other surfaces where utility access covers are not uniform.

Fiscal Impact

This project is funded by the Wastewater Management Fund.

Funding Sources

Wastewater Management Fund

Plans and Goals

EM - Environmental Management - EM-6: Effective Wastewater Collection System

Project Financial Summary

	Project Costs	Revenues	Operating Costs
Prior Actual	125,160	-	-
2022-23	274,063	-	-
2023-24	113,948	-	-
2024-25	107,897	-	-
2025-26	105,327	-	-
2026-27	109,541	-	-
2027-28	113,922	-	-
2028-29	118,479	-	-
2029-30	123,218	-	-
2030-31	128,147	-	-
2031-32	133,273	-	-
2032-33	138,604	-	-
2033-34	144,148	-	-
2034-35	149,914	-	-
2035-36	155,910	-	-
2036-37	162,147	-	-
2037-38	168,632	-	-
2038-39	175,377	-	-
2039-40	182,392	-	-
2040-41	189,688	-	-
2041-42	197,275	-	-
2042-43	203,194	-	-
20 Year Total	2,921,032	-	-
Grand Total	3,320,255	-	-

831550 - Adjust Water Utilities In Support of Paving Projects

Originating Year:	2016	Project Type:	Water	Department:	270 - Environmental Services
Planned Completion Year:	Ongoing	Category:	Infrastructure	Project Manager:	Marlon Quiambao Jr.

Project Description/Scope/Purpose

This project provides funding for the adjustment of water utility valve boxes, vaults, fire hydrant valves, and any other items that are associated with the water infrastructure that will be impacted by City, County of Santa Clara, or Caltrans pavement rehabilitation and resurfacing projects.

Project Evaluation and Analysis

This project will ensure that City assets that are impacted by pavement rehabilitation projects are restored in a manner that meets City standards.

Fiscal Impact

This project is funded by the Water Supply and Distribution Fund revenues. No additional operating costs will result from implementing this project.

Funding Sources

Water Supply and Distribution Fund

Plans and Goals

EM - Environmental Management - EM-3: Reliable and Safe Water Distribution

Project Financial Summary

	Project Costs	Revenues	Operating Costs
Prior Actual	125,721	-	-
2022-23	345,563	-	-
2023-24	113,948	-	-
2024-25	107,897	-	-
2025-26	105,327	-	-
2026-27	109,541	-	-
2027-28	113,922	-	-
2028-29	118,479	-	-
2029-30	123,218	-	-
2030-31	128,147	-	-
2031-32	133,273	-	-
2032-33	138,604	-	-
2033-34	144,148	-	-
2034-35	149,914	-	-
2035-36	155,910	-	-
2036-37	162,147	-	-
2037-38	168,632	-	-
2038-39	175,377	-	-
2039-40	182,392	-	-
2040-41	189,688	-	-
2041-42	197,275	-	-
2042-43	209,112	-	-
20 Year Total	2,926,950	-	-
Grand Total	3,398,234	-	-