

828030 - Annual Slurry Seal of City Streets

Originating Year:	2009	Project Type:	Traffic and Transportation	Department:	250 - Public Works
Planned Completion Year:	Ongoing	Category:	Infrastructure	Project Manager:	Arely Trujillo

Project Description/Scope/Purpose

Slurry seal is a maintenance treatment utilized by the City that extends the life of a road surface. Slurry seal is cost effective to prolong the life of streets which have not degraded to the point of needing overlay or reconstruction. Slurry seal is most effective when used to extend the life of pavement that is already in good to very good condition.

This project covers staff overtime hours as well as contract construction costs of slurry sealing a portion of the City's streets each year. Corrective maintenance work, such as patching, chip seal or crack seal, as well as project administration and field management of the project, is generally completed by the City through contract or Street Operations. The pavement condition survey, as well as annual field inspections are used to determine which streets will most benefit from a slurry seal.

Slurry seal is most effective in protecting and extending the life of a pavement surface when applied on a regular cycle, normally every 7 to 10 years. The amount included in the budget will allow for approximately 5.0 million square feet of slurry seal annually.

Project Evaluation and Analysis

Slurry seal is a maintenance treatment that extends the life of a road surface. Without slurry seal, streets will require expensive asphalt overlay on a more frequent basis, or streets will deteriorate.

Fiscal Impact

This project was funded by General Fund and is funded by the Measure B Fund starting FY 2019/20 and going forward. All overages have been and will continue to be charged to Project 825290 - Pavement Rehabilitation.

Funding Sources

General Fund, 2016 Measure B - Santa Clara VTA Fund

Plans and Goals

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

Project Financial Summary

	Project Costs	Revenues	Operating Costs
Prior Actual	4,839,684	2,158,698	-
2022-23	582,810	34,337	-
2023-24	712,172	-	-
2024-25	674,357	-	-
2025-26	658,296	-	-
2026-27	684,629	-	-
2027-28	712,014	-	-
2028-29	740,494	-	-
2029-30	770,114	-	-
2030-31	800,918	-	-
2031-32	832,955	-	-
2032-33	866,274	-	-
2033-34	900,924	-	-
2034-35	936,961	-	-
2035-36	974,439	-	-
2036-37	1,013,417	-	-
2037-38	1,053,954	-	-
2038-39	1,096,112	-	-
2039-40	1,139,956	-	-
2040-41	1,185,555	-	-
2041-42	1,232,977	-	-
2042-43	1,282,296	-	-
20 Year Total	18,268,814	-	-
Grand Total	23,691,308	2,193,034	-

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	-

827570 - Downtown Parking District Major Maintenance

Originating Year:	2008	Project Type:	Downtown	Department:	250 - Public Works
Planned Completion Year:	Ongoing	Category:	Infrastructure	Project Manager:	Richard Chen

Project Description/Scope/Purpose

This project provides for maintenance of the Downtown Parking District. Funding will provide for various maintenance activities including, prep work prior to resurfacing, slurry seal resurfacing, curb painting, sign repairs and replacement, concrete repairs, asphalt concrete repair or resurface, parking lot and pathway lighting replacement and re-striping as necessary.

The parking lots that are maintained by this project are as follows:

- Frances Parking Lot - Frances Avenue and Evelyn Avenue
- Goodwill Parking Lot - Sunnyvale Avenue and Evelyn Avenue
- Carroll Parking Lot - Sunnyvale Avenue and Carroll Street
- Carroll Parking Lot - McKinley Avenue and Carroll Street

The parking lots were last treated in FY 2017/18 and are on a six-year cycle for treatment.

The parking lots on Frances Avenue and Evelyn Avenue and Sunnyvale Avenue and Carroll Street are scheduled for resurfacing in FY 2023/24 with the remaining lots, Sunnyvale Avenue and Evelyn Avenue, and Carroll Street and McKinley Avenue, scheduled in FY 2024/25. This work includes all prep work as well as follow up work warranted. This will use both city staff hours, materials, as well as contract work.

The funds in FY 2029/30 are for design for the next cycle of work for parking lots, which includes Frances Avenue and Evelyn Avenue, and Sunnyvale Avenue and Carroll Street in FY 2030/31, and the remaining lots at Sunnyvale Avenue and Evelyn Avenue, and Carroll Street and McKinley Avenue, scheduled in FY 2031/32.

The funds in FY 2035/36 are for design in the out years for parking lots Frances Avenue and Evelyn Avenue, and Sunnyvale Avenue and Carroll Street, which are scheduled for FY 2036/37, and the remaining lots are scheduled as follows: Sunnyvale Avenue and Evelyn Avenue (FY 2037/38), and Carroll Street and McKinley Avenue (FY 2038/39).

Project Evaluation and Analysis

The Parking District Fund is a small fund that provides for the ongoing landscape and maintenance of downtown parking lots through assessments on property owners within the district. This project is for the maintenance and warranted repairs needed for the downtown area. Accomplishing this maintenance effort on the parking lots will improve the aesthetics of the entire downtown.

Fiscal Impact

This project is funded by the Parking District Fund. Maintenance improvements of the downtown parking lots are funded entirely by the Downtown Parking District assessment paid by downtown businesses.

Funding Sources

Parking District Fund

Plans and Goals

- LT - Land Use and Transportation - LT-1: Coordinated Regional and Local Planning
- CC - Community Character - CC-2: Attractive Street Environment

Project Financial Summary

	Project Costs	Revenues	Operating Costs
Prior Actual	424,965	-	-
2022-23	-	-	-
2023-24	150,542	-	-
2024-25	138,397	-	-
2025-26	-	-	-
2026-27	-	-	-
2027-28	-	-	-
2028-29	-	-	-
2029-30	21,607	-	-
2030-31	142,558	-	-
2031-32	143,942	-	-
2032-33	-	-	-
2033-34	-	-	-
2034-35	-	-	-
2035-36	80,139	-	-
2036-37	368,184	-	-
2037-38	-	-	-
2038-39	357,690	-	-
2039-40	-	-	-
2040-41	-	-	-
2041-42	-	-	-
2042-43	-	-	-
20 Year Total	1,403,058	-	-
Grand Total	1,828,023	-	-