

2018-2023 CAPITAL IMPROVEMENT PROGRAM

**TRANSPORTATION
CREEKS & DRAINAGE
WATER
PARKS
BUILDINGS & FACILITIES
CEMETERY**



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City of Sonoma 2018-2023 Capital Improvement Program

The Capital Improvement Program (CIP) is a planning and budgeting document to support our safe, healthy, and vibrant community through investment in public infrastructure throughout the City. The CIP includes projects to improve the City's streets, sidewalks, bikeways, and storm drainage; water system; parks and open space; cemeteries; and City buildings. The City has typically implemented a one-year CIP instead of a five-year CIP. A five-year CIP is an important strategic planning document that displays our future needs and captures community priorities. Funding for projects in Year 1 of the CIP is part of the City's annual budget process. Projects with funding in years 2-5 of the CIP are approved on a planning basis only. City staff works with an on-call consulting engineering firm, GHD Inc., and other consultants as needed, to deliver the City's projects. Extending GHD's contract for engineering services through Fiscal Year 2018-19 and authorizing the City Manager or her designee to execute task orders under this contract consistent with the 2018-19 budget is recommended to provide staff with necessary resources to deliver the City's projects.

TRANSPORTATION: Keeping Sonoma Moving Safely

The City's transportation network provides the connection between different land uses, linking homes to shopping, jobs, and recreation. An efficient and integrated transportation system enables Sonoma residents to combine the benefits of small-town living with the job and recreation opportunities afforded by easy access to Sonoma Valley, Santa Rosa, Marin County, and San Francisco. The CIP proposes safety improvements, pavement preservation investment, and enhancement of the City's transportation network, which includes facilities for pedestrians, bicyclists, transit riders, and motorists.

CREEKS & DRAINAGE: Reducing Flooding & Protecting Water Quality

Three creeks flow through the City: Nathanson Creek, Sonoma Creek, and Fryer Creek. Catch basins, roadside ditches, and storm drainage piping collect and convey storm water runoff to these creeks. CIP projects can protect local creeks and the bay from pollutants associated with storm water runoff, and can provide flood prevention for the City's transportation network, residents, and businesses. The ongoing challenge for storm water projects is complying with the stringent and costly State and Federal mandates that are largely unfunded.

WATER: Providing High Quality, Dependable Water

Residents, visitors, and businesses in Sonoma count on the City to deliver high quality, dependable water. The potable water system is critical infrastructure that provide water for a variety of community needs including consumption, irrigation, and fire protection. A recently adopted Water Master Plan Update identified \$10 million worth of water system improvement projects over the next five years to achieve supply reliability, well resilience, public safety, and cost-effective renewal and replacement of aging system components. The CIP is based on the projects identified in the 2018 Water Master Plan Update.

PARKS: Making Life Better

The City's 17 parks encompass nearly 40 acres, nine play structures, two public restrooms, Class I bike trails, hiking trails, a duck pond, and a rose garden. The City also manages the Montini Preserve and the Sonoma Overlook Trail. The Plaza Park is the heart of Sonoma. The Plaza and Depot park enhancement and connectivity, maintenance and rehabilitation of the Sonoma Overlook Trail, and quality of life improvements in the City's neighborhood parks are included in this CIP.

BUILDINGS & FACILITIES: Maintaining Critical Assets

The City maintains over 48,000 square feet of building space in eight facilities: City Hall, Carnegie Building, Police Building/City Council Chambers/Emergency Operations Center, Corporation Yard, Fire Station, Sonoma Valley Regional Library, Depot Park Restrooms, and Maysonnave Property. The Sonoma community relies on the City to maintain these assets that are vital to the operation of the City. This CIP proposes accessibility, Corporation Yard and police access improvements. In addition, the operating budget includes maintenance projects.

CEMETERY: Preserving Sonoma's History

The City owns, maintains, and operates three cemetery properties, including: Mountain Cemetery, Valley Cemetery, and Veterans' Cemetery. The cemeteries encompass over 15 usable acres and actively provide the service of final disposition for our citizens' remains. This CIP does not include any cemetery projects.



City of Sonoma
Capital Improvement Program
Fiscal Year 2018/19 Funding Sources

Funding Source	Revenue Source	Restricted Uses	Maintenance of Effort (MOE) or Local Match?
General Fund	General taxes and fees	Unrestricted	No
Measure M Traffic Relief Act for Sonoma County	County-wide 1/4 cent sales tax for transportation	Maintenance of local streets and roads	Yes, MOE. 6.33% of local fund expenditures must be for transportation purposes. City is currently meeting the MOE.
Gas Taxes	Revenue allocated by the State	Any street or road purpose. It is best practice to focus on maintenance and rehabilitation costs only.	No
Road Maintenance and Rehabilitation Account (RMRA): Senate Bill [SB] 1	Revenue allocated by the State	Road maintenance and rehabilitation, safety projects, "complete street" components, and traffic control devices	Yes, MOE. Must spend at least \$250,663 of General Fund annually for street, road, and highway purposes. City is currently meeting the MOE.
Water Fund	City water customers	Water system operations, maintenance, and infrastructure	No
Habitat Conservation Fund (HCF) Grant	California Wildlife Protection Act of 1990 (through California State Parks)	Maintenance and rehabilitation work along the Sonoma Overlook Trail	Yes, local match of \$55,113 in private donations, City funds, volunteer labor, and donated materials.
Community Development Block Grant (CDBG)	Federal Housing and Urban Development through County of Sonoma	ADA Self-Evaluation, Transition Plan, and Implementation Project	Yes, local match of \$20,000 of General Fund.
Proposition 68: California Parks, Environment, and Water Bond	<i>New revenue source</i> ; revenue allocated by the State	Parks related projects	Yes, MOE. The MOE requirements are still being defined. Generally, the City is required to not reduce the amount of funding otherwise available to be spent on parks based on the past three fiscal years.

Breakdown of Projected Funding Sources for Fiscal Year 2018/19 Capital Improvement Program

CIP #	Project Name	General Fund	Gas Tax	RMRA: SB1	Measure M	Proposition 68	Water Fund	Grant Funds	PROJECT TOTAL
TRANSPORTATION: Keeping Sonoma Moving Safely									
SS-1	Chase Street Bridge Replacement Project	\$0	\$24,000	\$0	\$0	N/A	N/A	\$0	\$24,000
SS-2	Fryer Creek Pedestrian & Bicycle Bridge Project	\$48,000	\$132,000	\$0	\$0	N/A	N/A	\$0	\$180,000
SS-3	Annual Slurry Seal Projects	\$32,000	\$0	\$183,868	\$0	N/A	N/A	\$0	\$215,868
SS-4	Citywide Sidewalk Inspection & Repair Program	\$0	\$50,000	\$0	\$0	N/A	N/A	\$0	\$50,000
SS-5	Biennial Pavement Rehabilitation & Water Services Replacement Projects	\$47,000	\$0	\$0	\$0	N/A	See CIP #W-4	\$0	\$47,000
SS-6	Citywide Roadway Safety Improvement Projects	\$35,000	\$0	\$0	\$0	N/A	N/A	\$0	\$35,000
SS-7	Broadway (SR 12) Streetscape Enhancements & Traffic Circulation Project	\$75,000	\$0	\$0	\$0	N/A	N/A	\$0	\$75,000
SS-8	Downtown Sonoma Parking Strategy & Implementation Project	\$40,000	\$0	\$0	\$0	N/A	N/A	\$0	\$40,000
SS-9	Citywide Bicycle & Pedestrian Improvement Projects	See CIP #SS-2	See CIP #SS-2	\$0	\$0	N/A	N/A	See CIP #SS-2	See CIP #SS-2
	SUBTOTAL	\$277,000	\$206,000	\$183,868	\$0	\$0	\$0	\$0	\$666,868
CREEKS & DRAINAGE: Reducing Flooding & Protecting Water Quality									
CD-1	Storm Water Trash Reduction Systems	\$0	\$0	N/A	N/A	N/A	N/A	\$0	\$0
CD-2	Brazil Street Neighborhood Drainage Improvements	\$0	\$0	N/A	N/A	N/A	N/A	\$0	\$0
CD-3	Broadway & Leveroni Road Flood Reduction & Trash Capture Project	\$0	\$0	N/A	N/A	N/A	N/A	\$0	\$0
CD-4	Olsen Park Detention & Trash Capture	\$0	\$0	N/A	N/A	N/A	N/A	\$0	\$0
CD-5	First Street West Green Street & Flood Reduction Project	\$0	\$0	N/A	N/A	N/A	N/A	\$0	\$0
	SUBTOTAL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
WATER: Providing High Quality, Dependable Water									
W-1	Water System Condition Data - Phase 1	\$0	N/A	N/A	N/A	N/A	\$18,000	\$0	\$18,000
W-2	Water System Condition Data - Phase 2	\$0	N/A	N/A	N/A	N/A	\$115,000	\$0	\$115,000
W-3	Renewal & Replacement of Existing Pipelines	\$0	N/A	N/A	N/A	N/A	\$0	\$0	\$0
W-4	Replacement of Water Services with Pavement Rehabilitation Projects	\$0	N/A	N/A	N/A	N/A	\$23,000	\$0	\$23,000
W-5	Condition Assessment of Aging Water Distribution Pipes	\$0	N/A	N/A	N/A	N/A	\$23,000	\$0	\$23,000
W-6	Fire Flow Improvements - Upsizing Asbestos Cement (AC) Pipelines	\$0	N/A	N/A	N/A	N/A	\$160,000	\$0	\$160,000
W-7	Fire Flow Improvements - Upsizing Pipelines of Unknown Material	\$0	N/A	N/A	N/A	N/A	\$70,000	\$0	\$70,000
W-8	2020 Urban Water Management Plan & Minor Water Master Plan Update	\$0	N/A	N/A	N/A	N/A	\$0	\$0	\$0
W-9	Potential Future Well No. 9	\$0	N/A	N/A	N/A	N/A	\$0	\$0	\$0
W-10	Water Meter System Upgrades	\$0	N/A	N/A	N/A	N/A	\$25,000	\$0	\$25,000
	SUBTOTAL	\$0	\$0	\$0	\$0	\$0	\$434,000	\$0	\$434,000
PARKS: Making Life Better									
P-1	Plaza & Depot Parks Enhancement & Connectivity Project	\$50,000	\$0	N/A	N/A	\$0	N/A	\$0	\$50,000
P-2	Neighborhood Parks Reinvestment & Maintenance Plan	\$25,000	\$0	N/A	N/A	\$0	N/A	\$0	\$25,000
P-3	Sonoma Overlook Trail Maintenance & Rehabilitation Project	\$22,620	\$0	N/A	N/A	\$0	N/A	\$55,113	\$77,733
P-4	Plaza Park Trash/Recycling Receptacles & Bicycle Parking Enhancement Project	\$55,000	\$0	N/A	N/A	\$0	N/A	\$0	\$55,000
P-5	ADA Improvements at Depot Park	\$40,000	\$0	N/A	N/A	\$0	N/A	\$0	\$40,000
	SUBTOTAL	\$192,620	\$0	\$0	\$0	\$0	\$0	\$55,113	\$247,733
BUILDINGS & FACILITIES: Maintaining Critical Assets									
BF-1	ADA Self-Evaluation, Transition Plan, & Implementation Project	\$20,000	N/A	N/A	N/A	N/A	N/A	\$70,000	\$90,000
BF-2	Corporation Yard Shower Facility, Security, & Drainage Project	\$60,000	N/A	N/A	N/A	N/A	\$30,000	\$0	\$90,000
BF-3	Police Emergency Gate Installation Project behind Veterans Hall	\$30,000	N/A	N/A	N/A	N/A	N/A	\$0	\$30,000
	SUBTOTAL	\$110,000	\$0	\$0	\$0	\$0	\$30,000	\$70,000	\$210,000
TOTAL CIP FOR FY 2018/19		\$579,620	\$206,000	\$183,868	\$0	\$0	\$464,000	\$125,113	\$1,558,601



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CITY OF SONOMA

Streets/Transportation/Drainage Capital Projects (301-50000)

Colleen Ferguson, Public Works Director

This fund was new in 2017/18 and was the beginning of the City's 5-year Capital Improvement Program. This fund has now been transitioned to be the capital fund for transportation and streets, plus creeks and drainage. This fund is for design and construction costs of major capital, sidewalk, bridges and other projects funded through various funding sources. Proposed expenditure details are outlined in the Capital Improvement Program.

RECOMMENDED FY 18/19 BUDGET MODIFICATIONS

301-City CIP

REVENUES	FY 15-16 Actuals	FY 16-17 Projected Actuals*	FY 17-18 Adopted Budget	FY 17-18 Amended Budget	FY18/19 Proposed Budget
State Grants	\$0	\$0	\$0	\$50,000	\$20,000
Federal Grants	\$0	\$0	\$0	\$0	\$0
Charges For Services	\$50,933	\$40,729	\$41,000	\$41,000	\$54,000
Transfers In	\$0	\$0	\$549,594	\$549,594	\$277,000
Other Revenues	\$0	\$0	\$0	\$0	\$0
Interest Revenue	\$205	\$531	\$0	\$0	\$0
Other Revenue	\$0	\$0	\$0	\$0	\$0
Total Revenue	\$51,138	\$41,260	\$590,594	\$640,594	\$351,000
EXPENDITURES					
Salary & Wages	\$0	\$0	\$0	\$0	\$0
Employee Benefits	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$40,000
Property Services	\$0	\$0	\$25,000	\$25,000	\$0
Operations	\$0	\$0	\$0	\$0	\$0
Supplies	\$0	\$0	\$0	\$0	\$0
Internal Service & Capital Prj	\$0	\$0	\$547,900	\$547,900	\$237,000
Transfers	\$40,000	\$40,000	\$0	\$0	\$0
Total Expense	\$40,000	\$40,000	\$572,900	\$572,900	\$277,000
Net Income (Loss)	\$11,138	\$1,260	\$17,694	\$67,694	\$74,000
Carryover/(Use of) or Transfer to Fund Balance	\$ 11,138	\$ 1,260	\$ 17,694	\$ 67,694	\$ 74,000

* unaudited



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TRANSPORTATION CAPITAL IMPROVEMENT PROGRAM

The City's transportation network provides the connection between different land uses, linking homes to shopping, jobs, and recreation. An efficient and integrated transportation system enables Sonoma residents to combine the benefits of small-town living with the job and recreation opportunities afforded by easy access to Sonoma Valley, Santa Rosa, Marin County, and San Francisco (per the Circulation Element of the City's General Plan). The transportation network includes facilities for pedestrians, bicyclists, transit riders, and motorists.

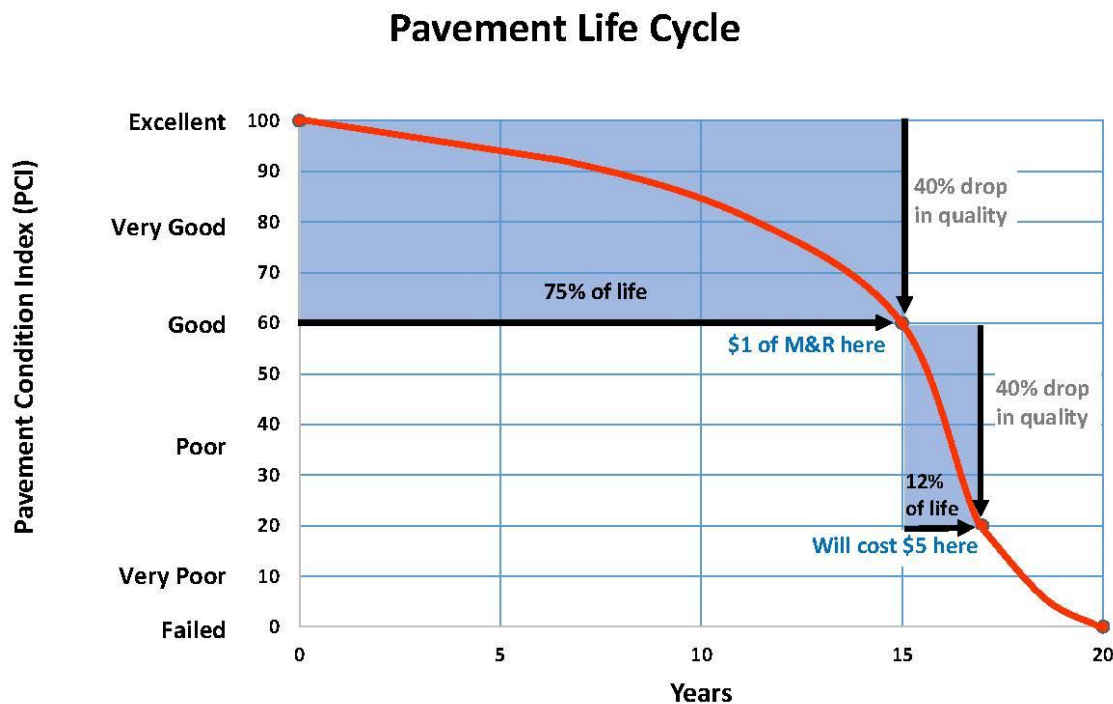
FISCAL YEAR 2017 – 2018 ACCOMPLISHMENTS:

- Substantially completed the City's Systemic Safety Analysis Report (SSAR), a partially State-funded plan that evaluates the safety of 20 intersections in and around the City.
- Completed the 2017 Street Rehabilitation and Water Services Replacement Project that occurred along Avenue del Oro, Aureo Court, and El Nido Court.
- Completed the 2017 Citywide Slurry Seal Project, which involved street surface treatment (slurry seal) for 19 street segments throughout the City.
- Completed the design of the 2018 Citywide Slurry Seal Project.
- Completed the 2018 Sidewalk Trip Hazard Repair Program implementation project (Plaza area, West Napa Street, Phase 4, and most of Phase 5), including repair of 656 trip hazards, while reducing City liability exposure.
- Continued the design phase of the Chase Street Bridge Replacement Project and completed the Right-of-Way acquisition.
- Submitted 2018 Citywide Slurry Seal as the project for Fiscal Year 2018-19 funded by Senate Bill 1: The Road Repair and Accountability Act of 2017 by the deadline, after City Council action, securing an estimated \$183,868 in funding for City pavement.

FISCAL YEAR 2018 – 2019 GOALS:

Transportation Safety

- The City's sidewalk system is a vital component of the transportation network. To help ensure the City's sidewalks are open and accessible to all persons, the City has been conducting a phased annual sidewalk inspection and repair program to minimize potential trip hazards caused by cracked and damaged sidewalks. Currently, the City has eleven phases. Within the budget available, the City has almost completed up to Phase 5 since 2013. With additional budget, the City could invest more into fixing sidewalk trip hazards and progress faster through the phases.
Goal: Complete Phase 6 and remainder of Phase 5.
- In 2018, the City received a draft SSAR, which provides cost-effective countermeasures to improve roadway safety for pedestrians, bicyclists, and motorists.
Goal: Finalize SSAR and begin to implement safety measures recommended by the SSAR.
- The City's existing timber bridge at the Chase Street crossing over Nathanson Creek, constructed in 1910, is structurally deficient. This Capital Improvement Program (CIP) continues a federally grant-funded project to replace this bridge so that people can continue to safely cross Nathanson Creek along Chase Street. The new bridge is being designed to improve safety for pedestrians, bicyclists, and motorists on Chase Street.
Goal: Complete design and develop plan for future construction.



Pavement Preservation Investment

- Pavement structures represent one of the largest capital investments for the City. The timing of pavement maintenance is critical, as the maintenance cost increases exponentially with time. It is far more economical to preserve roads than to delay repairs and reconstruct roads. This CIP continues the City's commitment to keeping the City's streets and multi-use pathways in a safe and functional condition for multi-modal circulation. As of October 2017, the City's Pavement Condition Index (PCI) is 74.

Goal: Complete construction of the 2018 Citywide Slurry Seal project, and design of both the 2019 Citywide Slurry Seal Project and the 2019 Pavement Rehabilitation and Water Services Replacement Project.

Transportation Enhancements

This CIP includes three projects that would improve the experience of getting around in Sonoma.

- The Broadway Streetscape Enhancements & Traffic Circulation Project would improve the pedestrian experience along Broadway south of the Plaza, provide sustainable landscaping, and increase public safety for pedestrians, bicyclists, and motorists.

Goal: Public engagement, conceptual design, and City Council adoption of a concept plan.

- The Downtown Sonoma Parking Strategy and Implementation Project will address existing and future needs and better prepare the City to respond to downtown development proposals.

Goal: Casa Grande parking lot lease, public engagement, and City Council adoption of a Downtown Sonoma Parking Strategy.

- The federally grant-funded Fryer Creek Pedestrian & Bicycle Bridge Project will construct a new bicycle and pedestrian bridge/path and circulation/accessibility improvements along Newcomb Street and Fryer Creek Drive. This will improve access and connectivity for residents and students going to Adele Harrison Middle School and Sonoma Valley High School.

Goal: Begin design and environmental phases.

TRANSPORTATION: Keeping Sonoma Moving Safely

CHALLENGES:

Funding continues to be a significant challenge for transportation projects. The increased funding from the Road Maintenance and Rehabilitation Account will help to slow the decline in the City's pavement condition. Increased numbers of residents, businesses, and visitors put demands on all of the City's multi-modal transportation network. Funds are needed to maintain existing transportation infrastructure and to improve transportation networks for pedestrians, bicyclists, transit riders, and motorists. Existing local funds dedicated to transportation purposes are not sufficient to meet the needs. Federal and State grant funds are available for some of the City's existing and future transportation projects. These grants come with complex regulations that are very time-consuming to learn and follow. The City's limited staff needs assistance from a consultant with specialty grant expertise to successfully manage existing grant-funded projects and to seek additional grants to meet the community's need for an efficient and integrated transportation system throughout the City.

TRANSPORTATION: Keeping Sonoma Moving Safely

WORKING DRAFT

CIP #	Capital Budget by Project	Cumulative Prior Funding	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total	Notes
SS-1	Chase Street Bridge Replacement Project								
	Gas Taxes		\$24,000	\$20,000	\$50,000	\$235,000	\$0	\$329,000	
	General Fund		\$0	\$0	\$0	\$65,000	\$0	\$65,000	
	General Fund (reimbursed by HBP federal grant)		\$0	\$0	\$0	\$1,601,743	\$0	\$1,601,743	Federal grant through the Highway Bridge Program (HBP) in the amount of \$1,601,743
	SUBTOTAL	\$777,308	\$24,000	\$20,000	\$50,000	\$1,901,743	\$0	\$1,995,743	
SS-2	Fryer Creek Pedestrian & Bicycle Bridge Project								
	Gas Taxes		\$132,000	\$0	\$114,000	\$0	\$0	\$246,000	
	General Fund		\$48,000	\$30,000	\$0	\$0	\$0	\$78,000	
	General Fund (reimbursed by OBAG 2 federal grant)		\$0	\$0	\$501,000	\$0	\$0	\$501,000	Federal grant utilizing Congestion Management and Air Quality (CMAC) funds in the amount of \$501,000 through the One Bay Area Grant (OBAG) 2 program - reimbursement in FY 2020-21 budget
	SUBTOTAL	\$95,000	\$180,000	\$30,000	\$615,000	\$0	\$0	\$825,000	
SS-3	Annual Slurry Seal Projects								
	RMRA:SB1 Funding		\$183,868	\$180,000	\$180,000	\$180,000	\$180,000	\$903,868	Funded by new Road Maintenance and Rehabilitation Account gas taxes
	General Fund		\$32,000	\$32,000	\$32,000	\$32,000	\$32,000	\$160,000	
	SUBTOTAL	N/A	\$215,868	\$212,000	\$212,000	\$212,000	\$212,000	\$1,063,868	
SS-4	Citywide Sidewalk Inspection & Repair Program								
	Gas Taxes		\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000	
	General Fund		\$0	\$50,000	\$50,000	\$50,000	\$50,000	\$200,000	
	SUBTOTAL	N/A	\$50,000	\$100,000	\$100,000	\$100,000	\$100,000	\$450,000	
SS-5	Biennial Pavement Rehabilitation & Water Services Replacement Projects								Construction of project will occur biennially, next in FY 2019/20; Measure M and Gas Tax will be carried over from the previous fiscal year to accommodate construction cost, which is estimated to be around \$450,000 for the pavement rehabilitation portion
	Measure M		\$0	\$170,926	\$0	\$170,000	\$0	\$340,926	
	Gas Taxes		\$0	\$257,014	\$0	\$70,000	\$0	\$327,014	
	General Fund		\$47,000	\$22,060	\$47,000	\$210,000	\$47,000	\$373,060	
	SUBTOTAL	N/A	\$47,000	\$450,000	\$47,000	\$450,000	\$47,000	\$1,041,000	
SS-6	Citywide Roadway Safety Improvement Projects								
	General Fund		\$35,000	\$30,000	\$195,000	\$120,000	\$925,000	\$1,305,000	
	Unfunded (Possibly Funded with Grant Funds)		\$0	\$120,000	\$630,000	\$60,000	\$450,000	\$1,260,000	
	SUBTOTAL	\$0	\$35,000	\$150,000	\$825,000	\$180,000	\$1,375,000	\$2,565,000	
SS-7	Broadway (SR 12) Streetscape Enhancements & Traffic Circulation Project								
	General Fund		\$75,000	TBD	TBD	TBD	TBD	TBD	
	SUBTOTAL	\$0	\$75,000	TBD	TBD	TBD	TBD	TBD	
SS-8	Downtown Sonoma Parking Strategy & Implementation Project								
	General Fund		\$40,000	TBD	TBD	TBD	TBD	TBD	
	SUBTOTAL	\$15,000	\$40,000	TBD	TBD	TBD	TBD	TBD	
SS-9	Citywide Bicycle & Pedestrian Improvement Projects								
	General Fund		See CIP #SS-2	\$150,000	See CIP #SS-2	\$30,000	\$100,000	\$280,000	
	SUBTOTAL	N/A		\$150,000		\$30,000	\$100,000	\$280,000	
	TOTAL	\$887,308	\$666,868	\$1,112,000	\$1,849,000	\$2,873,743	\$1,834,000	\$8,335,611	

Project Name: Chase Street Bridge Replacement Project

CIP Number: SS-1

Project Description: The City's existing bridge at the Chase Street crossing over Nathanson Creek is structurally deficient and functionally obsolete, based on the California Department of Transportation (Caltrans) Bridge Inspection Reports that the City receives annually. Constructed in 1910, the Chase Street Bridge is located between Broadway and Austin Avenue. The bridge is a 23-foot wide, 24-foot long two-lane timber stringer structure with steel planks and asphalt concrete paved deck. The Chase Street Bridge Replacement Project (project) will replace the existing structurally deficient bridge with a single-span, 53-foot wide, 30-foot long concrete bridge with 12-foot high abutments. The City has been approved to receive Highway Bridge Program (HBP) grant funding in the amount of \$2,310,345 for the replacement of the existing bridge. This is a federal grant administered by Caltrans. The funding covers approximately 88.53% (reimbursement rate) of the cost of the engineering phase (including environmental), the right-of-way phase, and the construction phase. The City has completed most of the engineering and right-of-way phases to date. The construction funding is currently allocated in Fiscal Year 2021-22 for construction in Summer 2022.



Project Contact: Katherine Wall, Public Works Project Manager

Estimated Construction: Summer 2022

Cumulative Prior Funding: \$777,308

Total Estimated Project Funding: \$2,773,051

Funding Source	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total
Gas Taxes	\$24,000	\$20,000	\$50,000	\$235,000	\$0	\$329,000
General Fund	\$0	\$0	\$0	\$65,000	\$0	\$65,000
General Fund (<i>reimbursed by HBP federal grant</i>)	\$0	\$0	\$0	\$1,601,743	\$0	\$1,601,743
Total	\$24,000	\$20,000	\$50,000	\$1,901,743	\$0	\$1,995,743

Project Name: Fryer Creek Pedestrian & Bicycle Bridge Project

CIP Number: SS-2

Project Description: The Fryer Creek Pedestrian & Bicycle Bridge Project will include the construction of a new bicycle and pedestrian bridge/path and circulation/accessibility improvements along Newcomb Street and Fryer Creek Drive. The bridge will be constructed over Fryer Creek to connect Newcomb Street on the east and the existing multi-use paths and Manor Drive on the west. A new 8-foot wide, 60-foot long paved bicycle and pedestrian path will extend from the eastern bridge approach to the existing residential driveway on the north side of Newcomb Street. Approximately 30 feet of the path will fork into two 4-foot paths in order to preserve two existing trees along the route. A new sidewalk and associated curb and gutter will be constructed along Newcomb Street.

The Fryer Creek Bridge is a high priority project in the City's Bicycle and Pedestrian Master Plan. The project was awarded a federal grant utilizing Congestion Mitigation and Air Quality (CMAQ) funds in the amount of \$501,000 through the One Bay Area Grant (OBAG) 2 program. The federal grant will partially fund the construction phase of the project, and is expected to be available in Fiscal Year 2020-21.



Project Contact: Katherine Wall, Public Works Project Manager

Estimated Construction: Summer 2021

Cumulative Prior Funding: \$95,000

Total Project Funding: \$920,000

Funding Source	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total
Gas Taxes	\$132,000	\$0	\$114,000	\$0	\$0	\$246,000
General Fund	\$48,000	\$30,000	\$0	\$0	\$0	\$78,000
General Fund (<i>reimbursed by OBAG 2 federal grant</i>)	\$0	\$0	\$501,000	\$0	\$0	\$501,000
Total	\$180,000	\$30,000	\$615,000	\$0	\$0	\$825,000

Project Name: Annual Slurry Seal Projects

CIP Number: SS-3

Project Description: The annual slurry seal projects are a part of the City's commitment to keeping the City's streets and multi-use pathways in a safe and functional condition for multi-modal circulation. The City maintains approximately 34 centerline miles of paved streets and 4 centerline miles of multi-use pathways. Maintaining pavements on the citywide system involves complex decisions about how and when to apply treatments to keep pavement performance operating cost at reasonable levels. The City's Pavement Management Program (PMP) is updated on a regular basis to document and track pavement conditions. The PMP is utilized to conduct responsive preventative maintenance decisions on an annual basis, including examining the Pavement Condition Index (PCI), roadway classification, and/or pathway use and external factors.

The purpose of the annual slurry seal projects is to extend service life of streets and pathways in "Good" condition or above (PCI ≥ 70). Project treatments include Type II slurry seal and crack seal. These annual projects are expected to utilize Road Maintenance and Rehabilitation Account (RMRA) funding received from Senate Bill 1: The Road Repair and Accountability Act of 2017 for slurry seal on roadways (estimated \$180,000 per year) and City general funds for slurry seal on multi-use pathways (estimated \$7,000 per year) and for design (estimated \$25,000 per year).



MTC P-TAP Round 18

Final Report for
City of Sonoma, California

Project Contact: Katherine Wall, Public Works Project Manager

Estimated Construction: Annually during Summer/Early Fall

Cumulative Prior Funding: N/A

Total Project Funding: N/A – Annual Project

Funding Source	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total
SB 1: RMRA Funding	\$183,868	\$180,000	\$180,000	\$180,000	\$180,000	\$903,868
General Fund	\$32,000	\$32,000	\$32,000	\$32,000	\$32,000	\$160,000
Total	\$215,868	\$212,000	\$212,000	\$212,000	\$212,000	\$1,063,868

Project Name: Citywide Sidewalk Inspection & Repair Program

CIP Number: SS-4

Project Description: This project continues annual sidewalk inspection and repair, implementing the City's phased program. The City's sidewalk system is a vital component of the public infrastructure. The California Streets and Highway Code 5610 et seq. and the City of Sonoma Municipal Code Chapter 12.12 require that owners of lots, or portions of lots, fronting on any portion of a public street shall maintain any sidewalk in such conditions that the sidewalk will not endanger persons or property, and will not interfere with the public's use of those areas.

To help ensure the City's sidewalks are open and accessible to all persons, the City Council adopted the Sidewalk Trip Hazard Repair Policy (Policy) in October 2013. This Policy was intended to minimize potential trip hazards caused by cracked and damaged sidewalks in a multi-phased approach. The Policy's implementation program includes eleven inspection and repair phases. The City has completed Phases 1 through most of 5 so far. For additional information regarding the Policy, please refer to the City's website at:

<https://www.sonomacity.org/documents/sidewalk-trip-hazard-repair-policy-october-2013-combined/>.



Project Contact: Katherine Wall, Public Works Project Manager

Estimated Construction: Annually during Fall/Spring

Cumulative Prior Funding: N/A

Total Project Funding: N/A – Annual Project

Funding Source	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total
Gas Taxes	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
General Fund	\$0	\$50,000	\$50,000	\$50,000	\$50,000	\$200,000
Total	\$50,000	\$100,000	\$100,000	\$100,000	\$100,000	\$450,000

Project Name: Biennial Pavement Rehabilitation & Water Services Replacement Projects
CIP Number: SS-5

Project Description: The biennial pavement rehabilitation and water services replacement projects are a part of the City's commitment to keeping the City's streets and multi-use pathways in a safe and functional condition for multi-modal circulation. The process of flexible (asphalt) pavement rehabilitation involves prioritization of pavements in need of rehabilitation utilizing the City's Pavement Management Plan (PMP); development of feasible rehabilitation strategies; and selection of the most cost effective strategy given a set of constraints including service life, life-cycle costs, and other utilities and budgetary considerations.

The City's pavement rehabilitation portion of the projects will involve milling and resurfacing of the existing pavement to mitigate against the effects of rutting, cracking, and other distresses and will include, at a minimum, accessibility upgrades to pedestrian curb ramps, crosswalks, signage, and pavement markings. The project will include water services replacement as needed (see CIP #W-4). These biennial projects are expected to utilize a combination of funding sources including, but not limited to, the Sonoma County Measure M sales tax, gas taxes, and City General Fund.



MTC P-TAP Round 18
 Final Report for
 City of Sonoma, California

Project Contact: Katherine Wall, Public Works Project Manager

Estimated Construction: Biennially during Summer/Early Fall

Cumulative Prior Funding: N/A

Total Project Funding: N/A – biennial project (see CIP #W-4 for related Water Fund work)

Funding Source	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total
Measure M	\$0	\$170,926	\$0	\$170,000	\$0	\$340,926
Gas Taxes	\$0	\$257,014	\$0	\$70,000	\$0	\$327,014
General Fund	\$47,000	\$22,060	\$47,000	\$210,000	\$47,000	\$373,060
Total	\$47,000	\$450,000	\$47,000	\$450,000	\$47,000	\$1,041,000

Project Name: Citywide Roadway Safety Improvement Projects

CIP Number: SS-6

Project Description: In mid-2018, the City received a draft of the Systemic Safety Analysis Report (SSAR), which provides cost-effective countermeasures to improve roadway safety within the City. The SSAR revealed seven systemic roadway safety issues including school area safety, collisions at unsignalized crossings, left-turn collisions at signalized intersections, unsafe vehicle speed, driving or bicycling under the influence of alcohol or drugs, collisions involving motor vehicles and fixed objects, and collisions between motor vehicles and cyclists.

The SSAR was prepared utilizing State grant funding through the California Department of Transportation (Caltrans) Systemic Safety Analysis Report Program. The SSAR is expected to be brought to the City Council for consideration before the end of 2018. It is anticipated that the projects identified in the SSAR will be split up as follows:

Year 1 – Implement short-term projects, including: infrastructure improvements (e.g. object markers and transverse rumble strips)

Year 2-5 – Initiate medium-term projects, including: implement Class II bike lanes, reconstruct intersections,



Project Contact: Katherine Wall, Public Works Project Manager

Estimated Construction: N/A – Annual Project

Cumulative Prior Funding: N/A

Total Project Funding: N/A – Annual Project

Funding Source	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total
General Fund	\$35,000	\$30,000	\$195,000	\$120,000	\$925,000	\$1,305,000
Unfunded (Possibly Funded with Grant Funds)	\$0	\$120,000	\$630,000	\$60,000	\$450,000	\$1,260,000
Total	\$35,000	\$150,000	\$825,000	\$180,000	\$1,375,000	\$2,565,000

Project Name: Broadway (SR 12) Streetscape Enhancements & Traffic Circulation Project
CIP Number: SS-7

Project Description: State Route (SR) 12 is the “Main Street” within the City of Sonoma and surrounding communities. South of the Plaza, the Broadway (SR 12) streetscape could be enhanced to improve the pedestrian experience, provide sustainable landscaping, and increase public safety for pedestrians, bicyclists, and motorists. The California Department of Transportation (Caltrans) is developing their planned SR 12 paving project, currently scheduled for construction in Summer 2020. The City’s General Plan Circulation Element identifies future roadway network improvements, with the objective to minimize needed improvements while promoting alternatives to automobile use. The Circulation Element recommended reducing the width of Broadway from MacArthur Street to West Napa Street. This segment of Broadway currently includes five lanes (two in each direction with a center turn lane). Based on projected traffic volumes, a single travel lane in each direction would be expected to function acceptably.

In Fiscal Year 2018-19, City staff proposes to initiate the public outreach phase and begin developing a preliminary concept for a potential future project. The scope of the project will impact the schedule and outside funding eligibility. The cost of the project could range anywhere between \$1 million to \$6 million depending on the scope.



Project Contact: Colleen Ferguson, Public Works Director/City Engineer

Estimated Construction: To be determined (TBD)

Cumulative Prior Funding: \$0

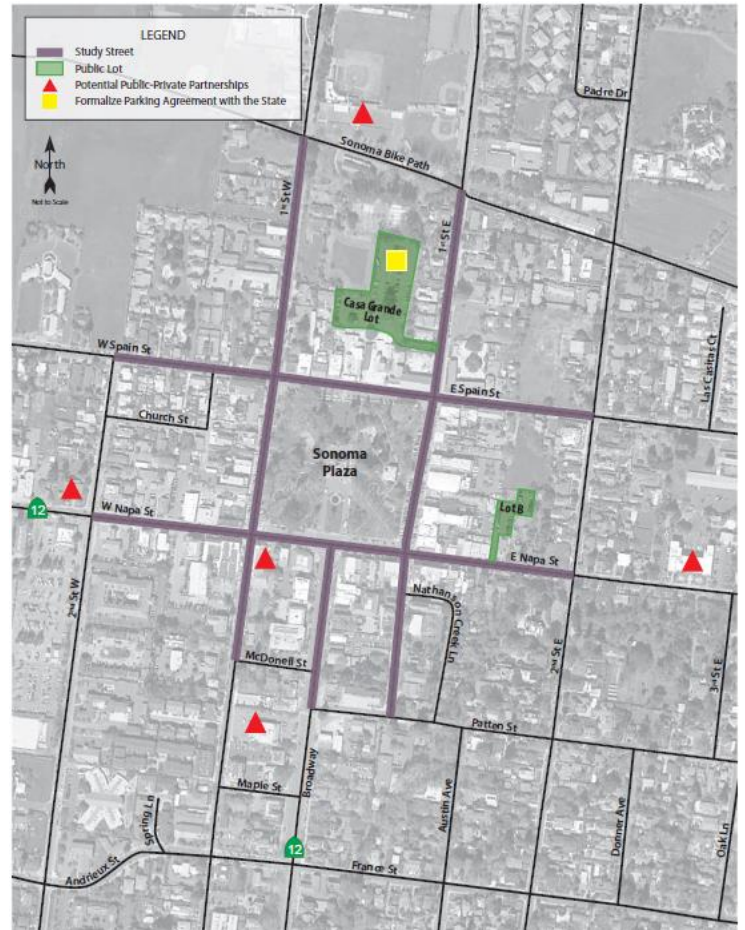
Total Project Funding: Estimated \$1-6 million (project may be eligible for grant funds in future years)

Funding Source	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total
General Fund	\$75,000	TBD	TBD	TBD	TBD	TBD
Total	\$75,000	TBD	TBD	TBD	TBD	TBD

Project Name: Downtown Sonoma Parking Strategy & Implementation Project
CIP Number: SS-8

Project Description: Downtown Sonoma is a popular destination. Parking in the area is often in high demand. In 2016, the City commissioned a Downtown Sonoma Parking Study that assessed parking needs and deficiencies, conducted public outreach to identify and prioritize parking issues, evaluated spillover effects on surrounding neighborhoods, and developed recommendations for parking management goals. Completion of the study is on-hold pending the outcome of ongoing negotiations with the State of California regarding re-instating a City lease of the Casa Grande parking lot.

The draft Parking Study notes that buildout of the downtown area per the City's General Plan would potentially require 447 additional parking spaces within or near downtown. Recommended short-term actions include: identification of public-private partnerships to allow public use of private lots after hours, determining locations for wayfinding signage, and providing guidance on temporary parking permits for residential neighborhoods during events. Recommended long-term actions include considering implementing paid parking for public spaces and determining potential locations for new public parking facilities. A Downtown Sonoma Parking Strategy is needed to address existing and future needs and to better prepare the City to respond to downtown development proposals. Fiscal Year 2018-19 funding would provide for continued consultant expertise, concepts for the Casa Grande parking lot, and development of a parking strategy.



Project Contact: David Goodison, Planning Director

Estimated Construction: To be determined (TBD)

Cumulative Prior Funding: \$15,000

Total Project Funding: TBD

Funding Source	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total
General Fund	\$40,000	TBD	TBD	TBD	TBD	TBD
Total	\$40,000	TBD	TBD	TBD	TBD	TBD

Project Name: Citywide Bicycle & Pedestrian Improvement Projects
CIP Number: SS-9

Project Description: The Sonoma Bicycle and Pedestrian Master Plan (Plan), adopted September 2008/updated May 2014, identified proposed bikeways, pedestrian projects, and project priorities. The primary emphasis of the Plan was to facilitate transportation improvements for bicyclists and pedestrians. The projects in the Plan received a preliminary feasibility evaluation. Engineering and environmental studies will be required prior to project implementation to determine project specific issues such as right-of-way impacts, traffic operations, parking impacts, and environmental issues. Projects identified as high priority in the Plan, and included in this 5-year CIP include:

Year 1 – Fryer Creek Pedestrian & Bicycle Bridge Project Design (see CIP #SS-2)

Year 2 – Sassarini School Trail Class I Bicycle Pathway – School to Andrieux Street

Year 3 – Fryer Creek Pedestrian & Bicycle Bridge Project Construction (see CIP #SS-2)

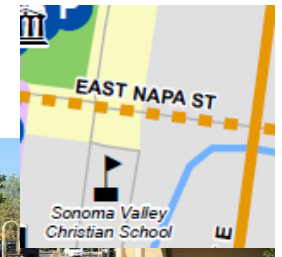
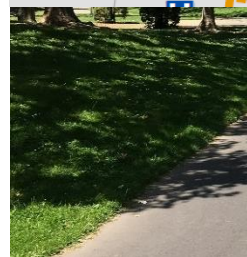
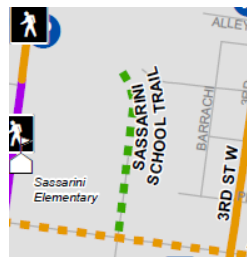
Year 4 – East Napa Street Class III Bicycle Lane – Second Street East to City Limits

Year 5 – Minor High Priority Projects in Plan

For additional information, please refer to the City's website here: <https://www.sonomacity.org/documents/sonoma-bicycle-pedestrian-master-plan/>



SONOMA BICYCLE AND PEDESTRIAN MASTER PLAN



Project Contact: TBD

Estimated Construction: 2020

Cumulative Prior Funding: N/A

Total Project Funding: Varies

Funding Source	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total
General Fund	See CIP #SS-2	\$150,000	See CIP #SS-2	\$30,000	\$100,000	\$280,000
Total		\$150,000		\$30,000	\$100,000	\$280,000



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CREEKS & DRAINAGE CAPITAL IMPROVEMENT PROGRAM

The City's storm drain system protects the buildings, streets, and sidewalks throughout Sonoma from flooding when it rains, helping Sonoma's residents, businesses, and visitors go to work, shop, and conduct their business conveniently during all but the worst of winter storms. The storm drain system has been designed and constructed to carry rain water away from buildings, streets, and sidewalks and into the nearest creek or drainage channel as efficiently as possible. Unfortunately, the storm drain system can also carry litter, motor oil, pesticides, fertilizers, and mud from the streets and sidewalks in to local creeks, causing water pollution.

The City has implemented a Stormwater Pollution Prevention Program to minimize stormwater-related pollution to the maximum extent practicable since 2003. This program helps the City comply with stringent, costly, and largely unfunded State and Federal mandates to protect water quality in California's creeks and rivers.

The City has also identified several capital improvement projects which increase the level of flood protection provided by the storm drain system. Projects which increase flood-protection in the City's storm drain system are identified and prioritized in the 2011 Storm Drain Master Plan. The City also recognizes that State and Federal funding agencies favor flood reduction projects which have multiple benefits in addition to flood reduction, such as: enhanced recreation, enhanced wildlife habitat, and decreased potable water demand. The Creeks and Drainage Capital Improvement Program thus includes several multiple benefit flood reduction projects that are not otherwise identified in the 2011 Storm Drain Master Plan because of they are more competitive for State and Federal grant programs.

FISCAL YEAR 2017 – 2018 ACCOMPLISHMENTS:

- The City of Sonoma collaborated in the creation of the region-wide Southern Sonoma County Stormwater Resource Plan, a plan identifying the highest priority opportunities to capture and/or reuse stormwater to protect drinking water supply, reduce dependence on groundwater, enhance water quality, enhance recreational opportunities, and provide flood protection.

FISCAL YEAR 2018 – 2019 GOALS:

- Pursue erosion-reduction projects at paved stream crossings and storm drain outfalls to comply with the City's National Pollutant Discharge Elimination System (NPDES) Permit, and use these efforts as in-kind match toward the EPA-funded Clean Streams in Southern Sonoma County project
- Continue second phase of compliance planning for the Statewide Trash Amendments stormwater regulations
- Compete for Proposition 1 Stormwater Grant Program Round II Implementation Funding and request match-contributions from the Sonoma County Water Agency Flood Protection Zone 3A funding for at least one of the three major stormwater flood reduction and multi-benefit projects identified in the 2018-2023 Capital Improvement Program

CHALLENGES:

Funding continues to be a significant challenge for creeks and drainage projects. Competitive Federal and State grant funds are available for some of the City's existing and future creeks and drainage projects. Many of the City's creeks and drainage-related efforts are already being leveraged as in-kind match for Federal and State grants that are supporting regional compliance partnerships in response to Federal and State water-quality laws. Additional funding for flood protection is occasionally available for City of Sonoma projects through the Sonoma County Flood Control Protection Zone 3A. The Sonoma County Water Agency seeks to leverage its funds as match for State or Federal grant opportunities when they become available.

CREEKS & DRAINAGE: Reducing Flooding & Protecting Water Quality

CIP #	Capital Budget by Project	Cumulative Prior Funding	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total
CD-1	Storm Water Trash Reduction Systems							
	General Fund		\$0	\$98,400	\$98,400	\$98,400	\$98,400	\$393,600
	SUBTOTAL	N/A	\$0	\$98,400	\$98,400	\$98,400	\$98,400	\$393,600
CD-2	Brazil Street Neighborhood Drainage Improvements							
	General Fund		\$0	\$0	\$60,000	\$0	\$0	\$60,000
	SUBTOTAL	N/A	\$0	\$0	\$60,000	\$0	\$0	\$60,000
CD-3	Broadway & Leveroni Road Flood Reduction & Trash Capture Project							
	Unfunded (Possibly Funded with Sonoma County Water Agency Flood Protection Zone 3A Funding)		\$0	\$565,000	\$0	\$0	\$0	\$565,000
	Unfunded (Possibly Funded with Other Grant Funds)		\$0	\$565,000	\$0	\$0	\$0	\$565,000
	SUBTOTAL	N/A	\$0	\$1,130,000	\$0	\$0	\$0	\$1,130,000
CD-4	Olsen Park Detention & Trash Capture							
	Unfunded (Possibly Funded with Sonoma County Water Agency Flood Protection Zone 3A Funding)		\$0	\$0	\$0	\$1,525,000	\$0	\$1,525,000
	Unfunded (Possibly Funded with Other Grant Funds)		\$0	\$0	\$0	\$1,525,000	\$0	\$1,525,000
	SUBTOTAL	N/A	\$0	\$0	\$0	\$3,050,000	\$0	\$3,050,000
CD-5	First Street West Green Street & Flood Reduction Project							
	Unfunded (Possibly Funded with Sonoma County Water Agency Flood Protection Zone 3A Funding)		\$0	TBD	TBD	TBD	TBD	TBD
	Unfunded (Possibly Funded with Other Grant Funds)		\$0	TBD	TBD	TBD	TBD	TBD
	SUBTOTAL	N/A	\$0	TBD	TBD	TBD	TBD	TBD
TOTAL		\$0	\$0	\$1,228,400	\$158,400	\$3,148,400	\$98,400	\$4,633,600

Project Name: Storm Water Trash Reduction Systems

CIP Number: CD-1

Project Description: Storm water runoff conveys significant amounts of trash to local creeks, negatively impacting water quality and wildlife. In June 2017, the State Water Resources Control Board designated 23 municipalities in the northern portion of the San Francisco Bay Area, including Sonoma, as subject to trash reduction requirements included in the Statewide Trash Amendments. By December 1, 2018, the City is required to submit a trash reduction plan to the State Water Board. In subsequent years, trash reduction systems will need to be added to the City's storm drain network. The City will be required to retrofit its storm drain system to capture 100% of trash originating from designated priority land-uses over a ten-year period. The detailed trash reduction plan and proposed trash reduction system are being developed. Capital Improvement Program projects CD-3 and CD-5, if funded, would meet a portion of the City's trash reduction system requirements and reduce the overall cost of this project.



Project Contact: Chris Pegg, Environmental Compliance Analyst

Estimated Construction: 2019-2029

Cumulative Prior Funding: N/A

Total Project Funding: \$984,000 (Total Cost of 10-Year Compliance Strategy)

Funding Source	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total
General Fund	\$0	\$98,400	\$98,400	\$98,400	\$98,400	\$393,600
Total	\$0	\$98,400	\$98,400	\$98,400	\$98,400	\$393,600

Project Name: Brazil Street Neighborhood Drainage Improvements

CIP Number: CD-2

Project Description: During intense storm events, runoff from the hillside above Brazil Street near Fourth Street East flows across Brazil Street and through properties south of Brazil Street. For many years, property owners have asked the City to improve the drainage system on the north side of Brazil Street to reduce flooding of their properties. City staff is not aware of any flooding of structures. Some of the existing driveway culverts in the area are partially blocked with debris. Some driveway culverts are too small. A portion of the drainage swale is undersized. This type of drainage problem often occurs at the interface between steeper and gentler hillside slopes. This project addresses the resultant nuisance flooding along Brazil Street and Fourth Street East through maintenance of 2 driveway culverts and replacement/upsizing of 5 driveway culverts and 1 roadside drainage swale.



Project Contact: Chris Pegg, Environmental Compliance Analyst

Estimated Construction: Summer 2020

Cumulative Prior Funding: N/A

Total Project Funding: \$60,000

Funding Source	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total
General Fund	\$0	\$0	\$60,000	\$0	\$0	\$60,000
Total	\$0	\$0	\$60,000	\$0	\$0	\$60,000

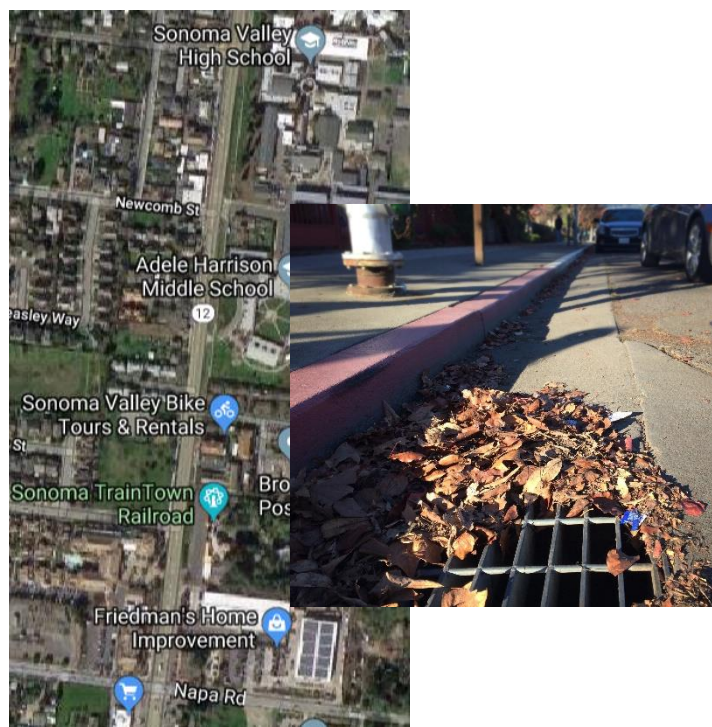
Project Name: Broadway & Leveroni Road Flood Reduction & Trash Capture Project CIP Number: CD-3

Project Description: The Broadway/Leveroni Road area is the major southern gateway to Sonoma, but it is at risk of flooding during major storms and has documented trash and litter issues that are impacting nearby creeks.

The project reduces flooding along Broadway and surrounding areas by eliminating a constriction in the existing storm drain conduit just north of the Broadway/Leveroni Road intersection in Sonoma. This project component was identified in the 2011 Storm Drain Master Plan as Project CIP-6.

The project also removes trash from a large high-trash-generation area through installation of a large hydro-dynamic separator south of the Broadway/Leveroni Road intersection.

Additionally, the project would include minor frontage improvements, including Low-Impact-Development features on the northeast and southeast corners of the intersection. These improvements would enhance pedestrian safety and provide treatment for runoff from the adjacent roadways.



Project Contact: Chris Pegg, Environmental Compliance Analyst

Estimated Construction: TBD

Cumulative Prior Funding: N/A

Total Project Funding: \$1,130,000

Funding Source	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total
Unfunded (Possibly Funded with Sonoma County Water Agency Flood Protection Zone 3A Funding)	\$0	\$565,000	\$0	\$0	\$0	\$565,000
Unfunded (Possibly Funded with Other Grant Funds)	\$0	\$565,000	\$0	\$0	\$0	\$565,000
Total	\$0	\$1,130,000	\$0	\$0	\$0	\$1,130,000

Project Name: Olsen Park Detention & Trash Capture

CIP Number: CD-4

Project Description: Fryer Creek is subject to flooding during large storms and is negatively impacted by trash and litter that washes into it through the storm drain system when it rains.

This project reduces this flood risk by diverting stormwater from the existing storm drain system upstream of Fryer Creek into an underground detention basin beneath Olsen Park. After the detention basin is constructed, the park facilities will be replaced and upgraded. The flood reduction benefit of the underground detention basin will help offset incremental increases in downstream flows associated with the future completion of the 2011 Storm Drain Master Plan Project CIP-4.

The new drainage structure will also capture trash and litter that washes off of neighboring streets during storms, improving water quality in both Fryer Creek and Sonoma Creek and helping Sonoma comply with the Statewide Trash Amendments stormwater regulations.



Project Contact: Chris Pegg, Environmental Compliance Analyst

Estimated Construction: TBD

Cumulative Prior Funding: N/A

Total Project Funding: \$3,050,000

Funding Source	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total
Unfunded (Possibly Funded with Sonoma County Water Agency Flood Protection Zone 3A Funding)	\$0	\$0	\$0	\$1,525,000	\$0	\$1,525,000
Unfunded (Possibly Funded with Other Grant Funds)	\$0	\$0	\$0	\$1,525,000	\$0	\$1,525,000
Total	\$0	\$0	\$0	\$3,050,000	\$0	\$3,050,000

Project Name: First Street West Green Street & Flood Reduction Project CIP Number: CD-5

Project Description: First Street West is a major pedestrian and bicycle connection between the Plaza and Depot Park, as well as the only major road to the Emergency Operations Center and Police Station in Sonoma. This vital connection is subject to flooding during even relatively minor storms, requiring round-the clock attention from City maintenance workers to keep the poorly-performing drainage systems performing as well as possible.

Proposals to address this flooding have been analyzed through separate public processes in 2004 and again in 2015. This project builds on those analyses and the public input garnered through those processes.

The project reduces flooding by; providing a high-flow bypass for a flood-prone roadside ditch, enhancing the habitat and pollution-reduction capacity of the road-side ditch by re-configuring it as a bio-swale, providing underground stormwater detention to offset the incremental increase in flows downstream, and replacing non-native trees near Depot Park which shed bark pieces that block critical drain inlets.



Project Contact: Chris Pegg, Environmental Compliance Analyst

Estimated Construction: TBD

Cumulative Prior Funding: N/A

Total Project Funding: TBD

Funding Source	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total
Unfunded (Possibly Funded with Sonoma County Water Agency Flood Protection Zone 3A Funding)	\$0	TBD	TBD	TBD	TBD	TBD
Unfunded (Possibly Funded with Other Grant Funds)	\$0	TBD	TBD	TBD	TBD	TBD
Total	\$0	TBD	TBD	TBD	TBD	TBD



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CITY OF SONOMA

Water Capital Projects (512-62001)

Colleen Ferguson, Public Works Director

The Water Utility is funded through the Water Enterprise Fund. Revenue to the Water Enterprise Fund is primarily from water rates paid by existing water customers. A portion of this revenue funds Water Capital Projects. New water customers pay connection fees, which are dedicated to Water Capital Projects. The new Water Rate Study, currently underway, is proposing rates which would be sufficient to fund necessary capital expenditures for the City to continue providing safe and reliable water to residences and businesses. The proposed FY 18/19 Water Capital Projects budget is significantly less than the FY 17-18 budget, which included the approximately \$3 million West Napa Street Water System Replacement Project. Proposed FY 18/19 Water Capital Projects expenditure details are outlined in the Capital Improvement Program.

RECOMMENDED FY 18/19 BUDGET MODIFICATIONS

512=Water Capital Projects

REVENUES	FY 15-16 Actuals	FY 16-17 Projected Actuals*	FY 17-18 Adopted Budget	FY 17-18 Amended Budget	FY18/19 Proposed Budget
Connection Fees	\$0	\$0	\$181,717	\$181,717	\$182,000
Transfers In	\$0	\$0	\$2,864,083	\$2,864,083	\$0
Interest Revenue	\$6,825	\$7,928	\$0	\$0	\$2,750
Total Revenue	\$6,825	\$7,928	\$3,045,800	\$3,045,800	\$184,750
EXPENDITURES					
Professional Services	\$0	\$0	\$0	\$0	\$0
Property Services	\$0	\$0	\$0	\$0	\$0
Operations	\$0	\$0	\$0	\$0	\$0
Supplies	\$0	\$0	\$0	\$0	\$0
Internal Service & Capital Prj	\$0	\$0	\$3,045,800	\$3,000,463	\$464,000
Transfers	\$0	\$0	\$0	\$0	\$0
Total Expense	\$0	\$0	\$3,045,800	\$3,000,463	\$464,000
Net Income (Loss)	\$6,825	\$7,928	\$0	\$45,337	-\$279,250
Carryover/(Use of) or Transfer to Fund Balance	\$ 6,825	\$ 7,928	\$ -	\$ 45,337	\$ (279,250)

** unaudited*



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WATER CAPITAL IMPROVEMENT PROGRAM

As described in the 2018 Water Master Plan Update, the Sonoma community counts on the City to deliver high quality, dependable water for drinking, cooking, cleaning dishes, hygiene, landscaping, operating restaurants, hotels and other businesses, as well as dozens of other uses each and every day. People also count on the City to deliver water that the Sonoma Valley Fire & Rescue Authority needs to protect the lives, homes, and properties of the residents, visitors, and business owners in Sonoma and the surrounding area.

FISCAL YEAR 2017 – 2018 ACCOMPLISHMENTS:

- Completed the approximately \$3 million West Napa Street Water System Replacement Project that replaced aging water infrastructure, improved fire safety, and reduced leaks and unplanned water shutdowns.
- Replaced water service lines in conjunction with a street rehabilitation project.
- In cooperation with SCWA, constructed facilities for the Aquifer Storage and Recovery Pilot Project at the City's Well 6 north of the Veterans Memorial Building parking lot, and initiated groundwater banking.

FISCAL YEAR 2018 – 2019 GOALS:

The proposed water system improvement projects identified in the 2018 Water Master Plan Update, and included in this Capital Improvement Program (CIP), are tailored to achieve the objectives below.

- **SUPPLY RELIABILITY:** *Strengthen the City's ability to reliably supply potable water based on current and planned demand.*
 - Complete condition assessment of aging water distribution pipes.
 - Develop a stakeholder engagement strategy for water meter system upgrades.
- **CITY WELL RESILIENCE** *Protect the City's potable water supply against emergencies, drought, or natural disasters by bolstering potable water supply from City wells.*
 - Continue the Groundwater Banking Pilot Project at Well 6.
 - Monitor Sonoma Valley Groundwater Sustainability Agency work for reconsideration of well construction as funding and information aligns. Pump testing for proposed new Well No. 9, recommended in the Water Master Plan Update, is not included due to groundwater sustainability planning work and potential impact on water rates.
- **PUBLIC SAFETY** *Promote public safety by addressing system pressure and fire flow deficiencies.*
 - Complete design of Fire Flow Improvements – Upsizing AC Pipe to 8" PVC project.
 - Complete design of Fire Flow Improvements – Upsizing Unknown Pipe to 8" PVC project.
- **COST-EFFECTIVE RENEWAL AND REPLACEMENT** *Minimize life-cycle costs by planning for the cost-effective renewal and replacement of aging water system components.*
 - Complete Water System Condition Data – Phase 1 and initiate Phase 2.
 - Complete design of water services replacement in connection with the 2019 pavement rehabilitation project.
 - Continue programmed replacement of Polybutylene water service lines.

CHALLENGES:

Water CIP challenges include: limited staff resources to implement CIP projects, a Water Rate Study update in progress, evolving groundwater regulations, lack of data regarding the condition of existing water facilities, and lack of funding based on balancing water rate impacts with CIP infrastructure investment needs.

WATER: Providing High Quality, Dependable Water

Projects all funded by Water Fund

CIP #	Capital Budget by Project	Cumulative Prior Funding	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total
W-1	Water System Condition Data - Phase 1	N/A	\$18,000	\$0	\$0	\$0	\$0	\$18,000
W-2	Water System Condition Data - Phase 2	N/A	\$115,000	\$100,680	\$45,000	\$45,000	\$45,000	\$350,680
W-3	Renewal & Replacement of Existing Pipelines	N/A	\$0	\$0	\$0	\$1,099,400	\$1,099,400	\$2,198,800
W-4	Replacement of Water Services with Pavement Rehabilitation Projects	N/A	\$23,000	\$220,000	\$23,000	\$220,000	\$23,000	\$509,000
W-5	Condition Assessment of Aging Water Distribution Pipes	N/A	\$23,000	\$0	\$0	\$0	\$0	\$23,000
W-6	Fire Flow Improvements - Upsizing Asbestos Cement (AC) Pipelines	N/A	\$160,000	\$1,000,000	\$0	\$0	\$0	\$1,160,000
W-7	Fire Flow Improvements - Upsizing Pipelines of Unknown Material	N/A	\$70,000	\$410,000	\$0	\$0	\$0	\$480,000
W-8	2020 Urban Water Management Plan & Minor Water Master Plan Update	N/A	\$0	\$0	\$75,000	\$0	\$0	\$75,000
W-9	Potential Future Well No. 9	\$0	\$0	\$0	\$0	\$0	\$0	\$0
W-10	Water Meter System Upgrades	N/A	\$25,000	\$75,000	\$1,854,934	\$0	\$0	\$1,954,934
TOTAL		\$0	\$434,000	\$1,805,680	\$1,997,934	\$1,364,400	\$1,167,400	\$6,769,414

Project Name: Water System Condition Data – Phase 1
CIP Number: W-1

Project Description: This project will update the City’s Geographic Information System (GIS) database to include complete information on water main material, condition, and age (where known). The project will also add information for appurtenances to the pipelines, including: valves, meters, services, tanks, and wells.

Approximately six miles (11%) of the modeled GIS pipe material is unknown, which, to date, has led to coarse estimates of the amount of Asbestos Cement (AC) pipe material needing replacement. There is currently no pipe age included in GIS. These two factors, pipe material and pipe age, are recommended to be completed before Condition Data – Phase 2 (see CIP #W-2).

This project was recommended for implementation in the City’s approved 2018 Water Master Plan Update.



Project Contact: Mike Brett, Water Conservation Coordinator & Chris Pegg, Environmental Compliance Analyst

Estimated Initiation: Summer 2018

Cumulative Prior Funding: N/A

Total Project Funding: \$18,000

Funding Source	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total
Water Fund	\$18,000	\$0	\$0	\$0	\$0	\$18,000
Total	\$18,000	\$0	\$0	\$0	\$0	\$18,000

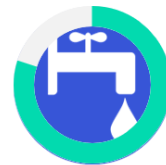
Project Name: Water System Condition Data – Phase 2

CIP Number: W-2

Project Description: This project will update the City's Geographic Information System (GIS) database further after Condition Data – Phase 1 (see CIP #W-1) adds information for pipe material and age. For Phase 2, factors to update into the database include the following: record drawings, pipe material details (i.e., class number or ASTM specifications), leak history, previous acoustic sounding information, data from a condition assessment of Asbestos Cement (AC) pipes, and preventative maintenance records.

This project also includes the improvement of the City's Computerized Maintenance and Monitoring System (CMMS) for water activities. Planned outcomes for the CMMS effort include use of in-field computers to run an application that displays the GIS data and allows City operations staff to relate each of their maintenance or repair activities to a specific asset from GIS. The CMMS application will facilitate simultaneous multi-user read/write access to the water system database using industry-standard Relational Database Management System software.

This project was recommended for implementation in the City's approved 2018 Water Master Plan Update.



WATER
UTILITY



Project Contact: Mike Brett, Water Conservation Coordinator & Chris Pegg, Environmental Compliance Analyst

Estimated Initiation: Fall 2018

Cumulative Prior Funding: N/A

Total Project Funding: \$350,680

Funding Source	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total
Water Fund	\$115,000	\$100,680	\$45,000	\$45,000	\$45,000	\$350,680
Total	\$115,000	\$100,680	\$45,000	\$45,000	\$45,000	\$350,680

Project Name: Renewal & Replacement of Existing Pipelines

CIP Number: W-3

Project Description: A majority of the City's water mains were built in the 1970s with Asbestos Cement (AC) pipe. These pipes are now 40-48 years old, and the City should begin to renew or replace at those pipes which can be reasonably anticipated to be in poor condition. After a proper condition assessment is implemented (see condition assessment CIP projects elsewhere in the 5-year CIP), the City plans to address a minimum of 2% of the City's AC pipe every year based on the assessment, looking forward to replace 100% of the AC pipe over 50 years. The City will target locations where maintenance staff has experienced leaks, loss of pressure, etc. An asset management program will help organize priorities. AC pipelines will be replaced in coordination with other City projects, such as street rehabilitation, along with coordinating with other utilities. This should allow for cost efficiencies through the concurrent implementation of multiple projects. \$1,099,400 is allocated each year beginning in Fiscal Year 2021/22 and each subsequent fiscal year.

This project was recommended for implementation in the City's approved 2018 Water Master Plan Update.



Project Contact: Katherine Wall, Public Works Project Manager

Estimated Initiation: Summer 2020

Cumulative Prior Funding: N/A

Total Project Funding: \$1.1 million per year starting in Fiscal Year 2021/22 for 50 years (2% of AC pipe replaced each year)

Funding Source	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total
Water Fund	\$0	\$0	\$0	\$1,099,400	\$1,099,400	\$2,198,800
Total	\$0	\$0	\$0	\$1,099,400	\$1,099,400	\$2,198,800

Project Name: Replacement of Water Services with Pavement Rehabilitation Projects
CIP Number: W-4

Project Description: Water services are pipelines that transport water from the City's water mains to water customers. Since each property has at least one water service, there is a vast network of water services under the City's streets. When the City constructs street pavement rehabilitation projects, it is typically cost-effective to replace the water services under the street as part of the project. Replacing water services in coordination with pavement rehabilitation projects allows for multiple projects to be completed at a minimum cost. It also protects the City's investment in new pavement by reducing the need for street cuts associated with water service repairs. Project funding and schedule is dependent on coordination with pavement rehabilitation projects, currently anticipated to be constructed biennially.



Project Contact: Katherine Wall, Public Works Project Manager

Estimated Construction: Biennially during Summer/Early Fall

Cumulative Prior Funding: N/A

Total Project Funding: N/A – biennial project (see CIP #SS-5 for related pavement rehabilitation work)

Funding Source	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total
Water Fund	\$23,000	\$220,000	\$23,000	\$220,000	\$23,000	\$509,000
Total	\$23,000	\$220,000	\$23,000	\$220,000	\$23,000	\$509,000

Project Name: Condition Assessment of Aging Water Distribution Pipes
CIP Number: W-5

Project Description: About half of the City's water distribution pipes are made of Asbestos Cement (AC), the predominate choice for water distribution systems from the 1940's through the 1970's. This pipe is nearing the end of its useful life and needs to be replaced. To assist the City in prioritizing AC pipe replacement, a condition assessment is planned. Acoustic sounding is the preferred method, and with information provided by acoustic sounding, an additional technical memorandum will interpret the results and provide direction on Condition Data – Phase 2 (see CIP #W-2). With acoustic sounding results, a condition assessment will categorize the AC pipes into a numbered priority (e.g., scale of 1 to 5).

This project was recommended for implementation in the City's approved 2018 Water Master Plan Update.



Project Contact: Mike Brett, Water Conservation Coordinator & Chris Pegg, Environmental Compliance Analyst

Estimated Implementation: Fall 2018

Cumulative Prior Funding: N/A

Total Project Funding: \$23,000

Funding Source	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total
Water Fund	\$23,000	\$0	\$0	\$0	\$0	\$23,000
Total	\$23,000	\$0	\$0	\$0	\$0	\$23,000

Project Name: Fire Flow Improvements – Upsizing Asbestos Cement (AC) Pipelines
CIP Number: W-6

Project Description: The Fire Flow Improvements – Upsizing Asbestos Cement (AC) Pipelines Project (project) will upsize smaller water mains to a diameter of at least 8-inches to achieve adequate fire flow needed throughout the City. Since AC pipes are near the end of their useful life, and are recommended to be replaced, a priority for AC pipe replacement is in areas noted for deficient fire flow and pressure in the City’s 2018 Water Master Plan Update. This applies to approximately 2,800 linear feet of known AC pipe in various locations around Sonoma.

As mentioned above, this project was recommended for implementation in the City’s approved 2018 Water Master Plan Update.



Project Contact: Katherine Wall, Public Works Project Manager

Estimated Construction: Summer 2019

Cumulative Prior Funding: N/A

Total Project Funding: \$1,160,000

Funding Source	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total
Water Fund	\$160,000	\$1,000,000	\$0	\$0	\$0	\$1,160,000
Total	\$160,000	\$1,000,000	\$0	\$0	\$0	\$1,160,000

Project Name: Fire Flow Improvements – Upsizing Pipelines of Unknown Material
CIP Number: W-7

Project Description: The Fire Flow Improvements – Upsizing Pipelines of Unknown Material Project (project) will upsize smaller water mains to a diameter of at least 8-inches to achieve adequate fire flow. The City’s water system includes approximately 1,150 linear feet of unknown material pipe that is less than 8 inches in diameter, in various locations around Sonoma. This is in addition to the approximately 2,800 linear feet of known Asbestos Cement pipe that is less than 8 inches in diameter (see CIP #W-6).

This project was recommended for implementation in the City’s approved 2018 Water Master Plan Update.



Project Contact: Katherine Wall, Public Works Project Manager

Estimated Construction: Summer 2019

Cumulative Prior Funding: N/A

Total Project Funding: \$480,000

Funding Source	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total
Water Fund	\$70,000	\$410,000	\$0	\$0	\$0	\$480,000
Total	\$70,000	\$410,000	\$0	\$0	\$0	\$480,000

Project Name: 2020 Urban Water Management Plan & Minor Water Master Plan Update
CIP Number: W-8

Project Description: A 2020 Urban Water Management Plan (UWMP) is required, and will replace the City's 2015 UWMP. The purpose of the UWMP is to evaluate whether the City can meet the water demands of its customers as projected over a 20- or 25-year planning horizon. Any municipal water supplier serving over 3,000 connections or 3,000 acre-feet per year is required to prepare a UWMP every five years under the California Urban Water Management Planning Act.

As part of a Water Master Plan Update in the future, the City will need to incorporate water system projects that the City has completed since the current date, revise water supply and demand data consistent with the 2020 UWMP, and identify proposed water system improvement projects for inclusion in the City's Capital Improvement Program (CIP). An estimate of \$75,000 is assumed for both the 2020 UWMP and a future, minor Water Master Plan Update.



Project Contact: Katherine Wall, Public Works Project Manager

Estimated Completion: 2021

Cumulative Prior Funding: N/A

Total Project Funding: \$75,000

Funding Source	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total
Water Fund	\$0	\$0	\$75,000	\$0	\$0	\$75,000
Total	\$0	\$0	\$75,000	\$0	\$0	\$75,000

Project Name: Potential Future Well No. 9 Project
CIP Number: W-9

Project Description: The 2018 Water Master Plan Update recommended constructing a new well (Well No. 9) or rehabilitating an existing well as part of the City Well Resilience objective. Due to ongoing groundwater sustainability work and the potential impact to water rates, a major investment in the City's wells is not recommended at this time.

If well construction proceeds in the future, Well No. 9 would be intended to provide two primary benefits for the City: 1) to assist in providing water supply during an emergency condition (i.e., temporary shutdown of the Sonoma County Water Agency aqueduct); and 2) to provide primary water supply that replaces capacity lost in existing wells due to aging and deterioration.

When Sonoma Valley Groundwater Sustainability direction becomes known, and should additional funding become available, this project could be reconsidered.



Project Contact: Katherine Wall, Public Works Project Manager

Estimated Construction: N/A

Cumulative Prior Funding: \$0

Total Project Funding: \$0

Funding Source	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total
Water Fund	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$0

Project Name: Water Meter System Upgrades
CIP Number: W-10

Project Description: Currently, the City uses mechanical meters, which are read once a month using a drive-by automatic meter reading system. The objectives for replacing the existing hybrid-mechanical system with Advanced Metering Infrastructure (AMI) are to: cost-effectively enhance customer service, improve water savings, and provide near real-time water usage data to the City's water customers. AMI would improve water system operations and provide faster leak detection throughout the water distribution system.

Provision should be made for an estimated cost of \$25,000 to develop a stakeholder engagement strategy in Fiscal Year 2018-19. A next step would be a feasibility study that would evaluate the planning numbers provided. This feasibility study is planned for Fiscal Year 2019-20 and estimated at \$75,000. Assuming a complete replacement, the total costs and benefits for a 15-year investment period are approximately \$2,493,000 in costs for \$5,357,000 in benefits, a benefit/cost ratio of over 2.



Project Contact: Mike Brett, Water Conservation Coordinator

Estimated Construction: Summer 2021

Cumulative Prior Funding: N/A

Total Project Funding: \$1,954,934

Funding Source	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total
Water Fund	\$25,000	\$75,000	\$1,854,934	\$0	\$0	\$1,954,934
Total	\$25,000	\$75,000	\$1,854,934	\$0	\$0	\$1,954,934



CITY OF SONOMA

Parks & Facilities Capital Projects (304-50000)

Colleen Ferguson, Public Works Director

Parks & Facilities Capital Projects are primarily funded by the General Fund. Some Parks & Facilities Capital Projects are partially funded by grants. Proposed FY 18/19 Parks & Facilities Capital Projects expenditure and funding details are outlined in the Parks Capital Improvement Program and the Buildings & Facilities Capital Improvement Program.

Proposition 68: California Parks, Environment, and Water Bond (Prop 68) will become a new revenue source for parks related projects in the near future. The City expects to receive \$200,000 each year through this Bond.

RECOMMENDED FY 18/19 BUDGET MODIFICATIONS

304-Parks & Facilities

REVENUES	FY 15-16 Actuals	FY 16-17 Projected Actuals*	FY 17-18 Adopted Budget	FY 17-18 Amended Budget	FY18/19 Proposed Budget
State Grants	\$0	\$0	\$0	\$0	\$55,113
Federal Grants	\$0	\$0	\$0	\$0	\$70,000
Charges For Services	\$0	\$0	\$0	\$0	\$0
Transfers In	\$0	\$0	\$0	\$0	\$302,620
Other Revenues	\$0	\$0	\$0	\$0	\$0
Interest Revenue	\$0	\$0	\$0	\$0	\$0
Other Revenue	\$0	\$0	\$0	\$0	\$0
Total Revenue	\$0	\$0	\$0	\$0	\$427,733
EXPENDITURES					
Professional Services		\$0	\$0	\$0	\$140,000
Property Services	\$0	\$0	\$0	\$0	\$25,000
Operations	\$0	\$0	\$0	\$0	\$0
Supplies	\$0	\$0	\$0	\$0	\$0
Internal Service & Capital Prj	\$0	\$0	\$0	\$0	\$262,733
Transfers	\$0	\$0	\$0	\$0	\$0
Total Expense	\$0	\$0	\$0	\$0	\$427,733
Net Income (Loss)	\$0	\$0	\$0	\$0	\$0
Carryover/(Use of) or Transfer to Fund Balance	\$ -	\$ -	\$ -	\$ -	\$ -

** unaudited*



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PARKS CAPITAL IMPROVEMENT PROGRAM

The City's parks are vital to maintaining the quality of life in Sonoma. Parks contribute to the health of our citizens, and the economic and environmental well-being of our community. Daily maintenance of our parks is provided by City staff and a landscape contractor that performs mowing and trimming in neighborhood parks. Park needs that exceed the capacity of City and contract workers are included in this Capital Improvement Program (CIP).

In June 2018, Proposition 68: California Parks, Environment, and Water Bond (Prop 68) was passed and will become a new revenue source for parks related projects in the near future. The City is expected to receive \$200,000 each year through this Bond. The revenue will be allocated by the State.

FISCAL YEAR 2017 – 2018 ACCOMPLISHMENTS:

- Worked cooperatively with the Sonoma Overlook Trail Stewards volunteer group and the Sonoma Ecology Center to commence construction of a maintenance and rehabilitation project along the Sonoma Overlook Trail.

FISCAL YEAR 2018 – 2019 GOALS:

- Complete the construction of the Sonoma Overlook Trail Maintenance & Rehabilitation Project.
- Improve Americans with Disabilities Act (ADA) access in Depot Park.
- Initiate Plaza & Depot Parks Enhancement & Connectivity Project.
- Upgrade trash and recycling containers for the Plaza.
- Add bicycle parking to the Plaza.
- Initiate reinvestment and maintenance plan for neighborhood parks.

CHALLENGES:

Building community consensus regarding appropriate park investments is a challenge, and this CIP includes critical plan development as a tool for successful implementation of park enhancement ideas. Funding of park projects also continues to be a challenge, as park projects are generally funded by the City's limited General Fund. With the passage of Prop 68, the City will be able to fund more parks related projects.

PARKS: Making Life Better

CIP #	Capital Budget by Project	Cumulative Prior Funding	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total
P-1	Plaza & Depot Parks Enhancement & Connectivity Project							
	General Fund		\$50,000	TBD	TBD	TBD	TBD	TBD
	New Proposition 68: California Parks, Environment, & Water Bond		\$0	\$150,000	\$150,000	\$150,000	\$150,000	\$600,000
	SUBTOTAL	N/A	\$50,000	TBD	TBD	TBD	TBD	TBD
P-2	Neighborhood Parks Reinvestment & Maintenance Plan							
	General Fund		\$25,000	\$0	\$0	\$0	\$0	\$25,000
	New Proposition 68: California Parks, Environment, & Water Bond		\$0	\$50,000	\$50,000	\$50,000	\$50,000	\$200,000
	SUBTOTAL	N/A	\$25,000	\$50,000	\$50,000	\$50,000	\$50,000	\$225,000
P-3	Sonoma Overlook Trail Maintenance & Rehabilitation Project							
	General Fund		\$22,620	\$0	\$0	\$0	\$0	\$22,620
	General Fund (reimbursed by HCF Grant)		\$55,113	\$0	\$0	\$0	\$0	\$55,113
	SUBTOTAL	N/A	\$77,733	\$0	\$0	\$0	\$0	\$77,733
P-4	Plaza Park Trash/Recycling Receptacles & Bicycle Parking Enhancement Project							
	General Fund		\$55,000	\$0	\$0	\$0	\$0	\$55,000
	SUBTOTAL	N/A	\$55,000	\$0	\$0	\$0	\$0	\$55,000
P-5	ADA Improvements at Depot Park							
	General Fund		\$40,000	\$0	\$0	\$0	\$0	\$40,000
	SUBTOTAL	N/A	\$40,000	\$0	\$0	\$0	\$0	\$40,000
TOTAL		\$0	\$247,733	\$50,000	\$50,000	\$50,000	\$50,000	\$447,733

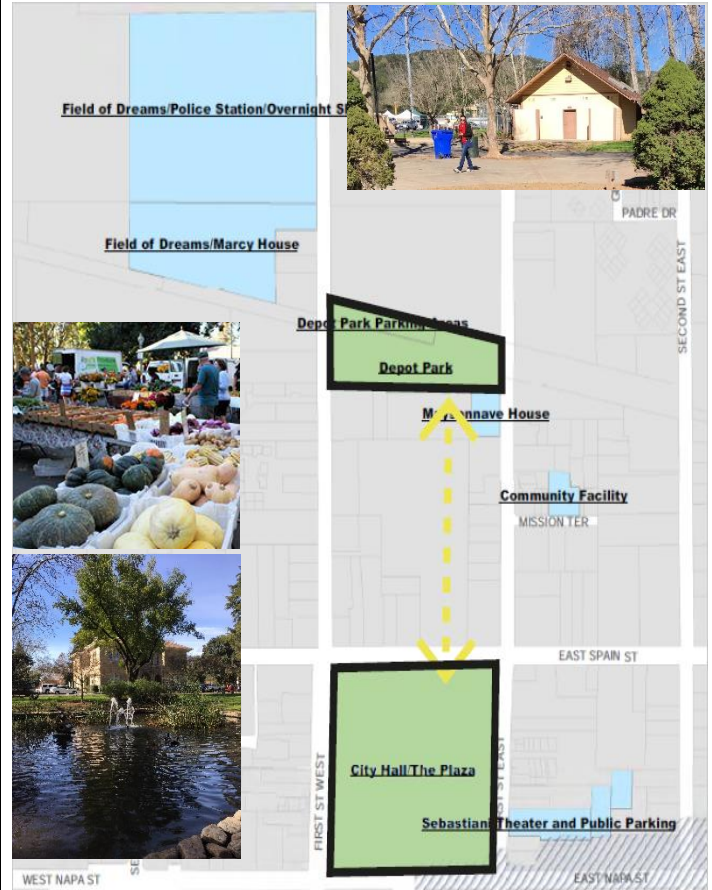
Project Name: Plaza & Depot Parks Enhancement & Connectivity Project

CIP Number: P-1

Project Description: The Plaza is the heart of Sonoma, a very popular 8-acre park with national historic landmark status. The 4.6-acre Depot Park is also enjoyed by many, including train museum visitors and people passing through on the Sonoma City Trail. The two parks are approximately 820 feet apart, separated by a mix of newer and historical buildings, including historic structures at the Sonoma State Historic Park. The Plaza & Depot Parks Enhancement & Connectivity Plan would review, assess, and provide recommendations for improvements and connectivity between the Plaza Park and Depot Park.

Improvements at the Plaza are to be determined, and may include the trash/recycling receptacles, dumpster enclosure, bicycle parking, Grinstead Amphitheater, additional picnic tables, restrooms, etc. Improvements at Depot Park are to be determined, and may include mobility/access for all, drainage, parking lot water quality feature, restrooms, etc. Tree care programs would help preserve and enhance the natural beauty of both parks. The connectivity assessment would include crossing Spain Street and the Casa Grande Parking Lot.

The Plaza & Depot Parks Enhancement & Connectivity Plan could be initiated in Fiscal Year 2018-19. Improvements listed above are conceptual ideas and are not all inclusive.



Project Contact: To be determined (TBD)

Estimated Initiation: Fall 2018

Cumulative Prior Funding: N/A

Total Project Funding: TBD

Funding Source	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total
General Fund	\$50,000	TBD	TBD	TBD	TBD	TBD
Proposition 68: CA Parks, Environment, & Water Bond	\$0	\$150,000	\$150,000	\$150,000	\$150,000	\$600,000
Total	\$50,000	TBD	TBD	TBD	TBD	TBD

Project Name: Neighborhood Parks Reinvestment & Maintenance Plan
CIP Number: P-2

Project Description: The Neighborhood Parks Reinvestment & Upgrade Plan (project) will provide quality of life improvements in the City's nine neighborhood parks. This will be accomplished through a combination of community engagement in the local parks, staffing assistance to allow the City's skilled park maintenance workers time to construct park enhancements, and upgraded equipment to meet current needs in the parks.

The City's neighborhood parks get extensive use by the local community. Park facilities are showing that use and will benefit from a needs assessment and implementation of plans to address the needs at each park. This project is a start to providing resources to review and improve all the City's neighborhood parks over the next five years.

In Fiscal Year 2018/19, the City will begin this process by reviewing the possibility of hiring additional staffing assistance to assess the needs of the parks. Some parks require maintenance upgrades that aren't visible. Major projects in neighborhood parks (e.g., playground replacement) will be presented as separate Capital Improvement Program projects.



Project Contact: Trent Hudson, Public Works Operations Manager

Estimated Initiation: Spring 2019

Cumulative Prior Funding: N/A

Total Project Funding: Ongoing

Funding Source	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total
General Fund	\$25,000	\$0	\$0	\$0	\$0	\$25,000
Proposition 68: CA Parks, Environment, & Water Bond	\$0	\$50,000	\$50,000	\$50,000	\$50,000	\$200,000
Total	\$25,000	\$50,000	\$50,000	\$50,000	\$50,000	\$225,000

Project Name: Sonoma Overlook Trail Maintenance & Rehabilitation Project

CIP Number: P-3

Project Description: The Sonoma Overlook Trail Maintenance & Rehabilitation Project is expected to address several trail erosion issues. The City will complete this project in close partnership with the Sonoma Overlook Trail Stewards and the Sonoma Ecology Center. Examples of the improvements, which will be undertaken by the American Conservation Experience, include: stone steps at the badly eroded main trailhead; a 795-foot reroute to avoid a severely degraded segment on the Lower Trail; rebuilding of climbing turns and junctions; and short runs of steps at key locations to alleviate gradient and erosion issues.

The project is funded by a combination of State and local funding. A large portion of the project budget comes from local fundraising in our generous community led by the Sonoma Overlook Trail Stewards. A State Parks Habitat Conservation Fund (HCF) grant in the amount of \$55,113 is supporting work on the Lower Trail. The City Council approved funding of the project in the Fiscal Year 2017-18 budget. Since the project expenditures will be incurred in the Fiscal Year 2018-19, the funds are included in this Capital Improvement Program. The budget also includes funding for environmental services during construction. The major trail work is expected to be completed by the end of September 2018.



Project Contact: Colleen Ferguson, Director of Public Works/City Engineer

Estimated Construction: Summer/Fall 2018

Cumulative Prior Funding: N/A

Total Project Funding: \$77,733 (In addition to project funds raised by Overlook Trail Stewards)

Funding Source	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total
General Fund	\$22,620	\$0	\$0	\$0	\$0	\$22,620
General Fund (<i>reimbursed by HCF Grant</i>)	\$55,113	\$0	\$0	\$0	\$0	\$55,113
Total	\$77,733	\$0	\$0	\$0	\$0	\$77,733

Project Name: Plaza Park Trash/Recycling Receptacles & Bicycle Parking Enhancement Project
CIP Number: P-4

Project Description: As part of the implementation of the Plaza & Depot Parks Enhancement & Connectivity Plan (Plan) (see CIP# P-1), the Plaza Park Trash/Recycling Receptacles & Bicycle Parking Enhancement Project (project) will add visible bicycle parking as well as new and improved trash/recycling receptacles.

Currently, the City has several options for bicycle parking throughout the Plaza Park, including: several bollards, a “hitching post/rail” across from the Barracks and Toscano Hotel, and a bike parking sculpture along the horseshoe driveway in front of City Hall. However, this existing bicycle parking can be difficult to identify. The City also has many functional, yet aging trash receptacles throughout the Plaza. Rolling blue plastic recycling bins are placed adjacent to the trash receptacles.

Prior to project implementation (anticipated in Spring 2019), the City will have made progress on the Plan (if funded) and determined, through public engagement, the best options for the replacement of trash/recycling receptacles and additional, more noticeable bicycle parking. The permanent location of bike parking and trash/recycling receptacles will be determined through the Plan.



Project Contact: Trent Hudson, Public Works Operations Manager

Estimated Implementation: Spring 2019

Cumulative Prior Funding: \$0

Total Project Funding: \$55,000

Funding Source	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total
General Fund	\$55,000	\$0	\$0	\$0	\$0	\$0
Total	\$55,000	\$0	\$0	\$0	\$0	\$0

Project Name: ADA Improvements at Depot Park – Phase 1

CIP Number: P-5

Project Description: The 4.6-acre Depot Park is enjoyed by many, including train museum visitors and people passing through on the Sonoma City Trail. Americans with Disabilities Act (ADA) improvements are needed in the Park. The ADA Improvements at Depot Park – Phase 1 Project (project) is expected to address the highest priority access needs in the Park.

A field survey will be required to determine the actual ADA access needs. Fiscal Year 2018/19 includes budget for a planning and design phase (estimated \$40,000).



Project Contact: To be determined (TBD)

Estimated Construction: Spring 2019

Cumulative Prior Funding: N/A

Total Project Funding: TBD

Funding Source	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total
General Fund	\$40,000	TBD	TBD	TBD	TBD	TBD
Total	\$40,000	TBD	TBD	TBD	TBD	TBD



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BUILDINGS & FACILITIES CAPITAL IMPROVEMENT PROGRAM

The City's buildings and facilities are critical assets where City and community business and activities are conducted. Daily maintenance of City buildings and facilities is provided by City staff, with assistance from specialty contractors. Routine maintenance projects are included in the City's Long-Term Building Maintenance Fund, described separately in the budget documents. Building and facility needs that are not covered by this fund and/or exceed the capacity of City and contract workers are included in this Capital Improvement Program (CIP).

FISCAL YEAR 2017 – 2018 ACCOMPLISHMENTS:

- The Fiscal Year 2017-18 Maintenance and Capital Improvement Program included Long-Term Building Maintenance Fund projects. Accomplishments and goals for Long-Term Building Maintenance Fund projects are described separately in the Fiscal Year 2018-19 budget.

FISCAL YEAR 2018 – 2019 GOALS:

- Initiate the City's ADA Self-Evaluation, Transition Plan, & Implementation Project, which includes the review of the City's facilities (e.g., parks, cemeteries, buildings, etc.) with Community Development Block Grant (CDBG) funding.
- Design Corporation Yard Shower Facility, Security, & Drainage Project to make facilities available for the City's maintenance workers to serve the community.
- Support County of Sonoma installation of Veterans Hall Eastside Parking Lot Police Emergency Gate to improve emergency response times.

CHALLENGES:

As with Long-Term Building Maintenance Fund projects, a challenge for building and facility CIP projects is limited staff capacity to initiate and implement projects and limited funding other than from the General Fund. Both Building and Public Works staff have other primary duties and facility projects often get pushed for more immediate or time sensitive City priorities.

BUILDINGS & FACILITIES: Maintaining Critical Assets

CIP #	Capital Budget by Project	Cumulative Prior Funding	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total
BF-1	ADA Self-Evaluation, Transition Plan, & Implementation Project							
	General Fund		\$20,000	TBD	TBD	TBD	TBD	TBD
	General Fund <i>(Reimbursed by CDBG Grant)</i>		\$70,000	TBD	TBD	TBD	TBD	TBD
	SUBTOTAL	N/A	\$90,000	TBD	TBD	TBD	TBD	TBD
BF-2	Corporation Yard Shower Facility, Security, & Drainage Project							
	General Fund		\$60,000	\$200,000	\$40,000	\$0	\$0	\$300,000
	Water Fund		\$30,000	\$100,000	\$20,000	\$0	\$0	\$150,000
	SUBTOTAL	N/A	\$90,000	\$300,000	\$60,000	\$0	\$0	\$450,000
BF-3	Police Emergency Gate Installation Project behind Veterans Hall							
	General Fund		\$30,000	\$0	\$0	\$0	\$0	\$30,000
	SUBTOTAL	N/A	\$30,000	\$0	\$0	\$0	\$0	\$30,000
TOTAL		\$0	\$210,000	\$300,000	\$60,000	\$0	\$0	\$570,000

Project Name: ADA Self-Evaluation, Transition Plan, and Implementation Project
CIP Number: BF-1

Project Description: The City's current 2005 Americans with Disabilities Act (ADA) Transition Plan (Plan) needs to be updated. The City recently was awarded Community Development Block Grant (CDBG) funding of \$70,000 for an ADA Self-Evaluation, Transition Plan, and Implementation Project (project) that will replace the current Plan. This project will be a multi-year phased project to access City facilities and identify architectural barriers limiting accessibility as defined in the 2016 California Building Code Chapter 11B; the 2010 Federal ADA Standards for Accessible Design; and the Accessibility Guidelines for Outdoor Developed Areas in the Architectural Barriers Act (as applicable). The project will also describe concept solutions and planning level cost estimates for each barrier removal project, create a prioritized project list, and address barriers in public right-of-way adjacent to City facilities and schools within City limits. Specifically, the project will result in pre-construction development for all the City's facilities (including City-owned buildings, parks, and cemeteries), and the City will implement the projects as funding is available.



Project Contact: Katherine Wall, Public Works Project Manager & Wayne Wirick, Development Services Director/Building Official

Estimated Initiation: Summer 2018

Cumulative Prior Funding: N/A

Total Project Funding: TBD

Funding Source	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total
General Fund	\$20,000	TBD	TBD	TBD	TBD	TBD
General Fund <i>(reimbursed by CDBG funding)</i>	\$70,000	TBD	TBD	TBD	TBD	TBD
Total	\$90,000	TBD	TBD	TBD	TBD	TBD

Project Name: Corporation Yard Shower Facility, Security, & Drainage Project
CIP Number: BF-2

Project Description: The City's maintenance workers serve the community outdoors by protecting Sonoma from flooding during cold winter storms, responding to fire hydrant and water main breaks, and working around poison oak in the City's parks and open spaces. The only shower available to these maintenance workers is a cold shower in the old Public Works office building that was intended to be demolished in 2009, when the existing modular office building was installed. Existing facilities are substandard. A hot shower and appropriate break room facilities need to be available to these workers at the City's Corporation Yard. The Corporation Yard Shower Facility, Security, and Drainage Project will include:

Phase 1: Complete Design Phase.

Phase 2: Replace existing old Public Works office with a new, roughly 2,000 square foot modular building that will improve staff conditions and provide proper accessibility.

Phase 3: Signage and wayfinding that will improve citizen experience and safety; replace current yard gate with a rolling gate with access control that will improve security for the Corporation Yard, which currently has to be manually locked each day and is left open during the day; and site drainage improvements that will correct minor flooding at the Corporation Yard.



Project Contact: Colleen Ferguson, Public Works Director/City Engineer

Estimated Construction: Fall 2019 & Summer 2020

Cumulative Prior Funding: N/A

Total Project Funding: \$450,000

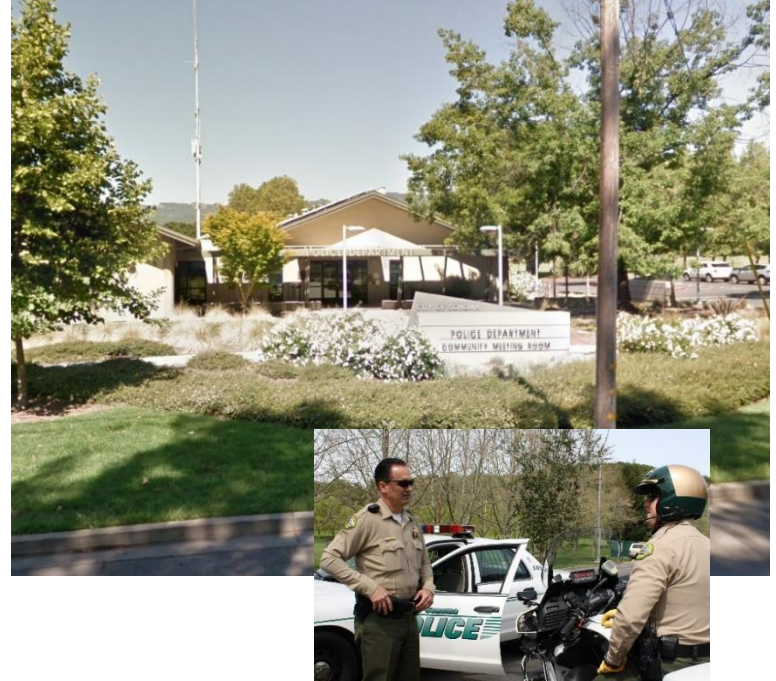
Funding Source	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total
General Fund	\$60,000	\$200,000	\$40,000	\$0	\$0	\$300,000
Water Fund	\$30,000	\$100,000	\$20,000	\$0	\$0	\$150,000
Total	\$90,000	\$300,000	\$60,000	\$0	\$0	\$450,000

Project Name: Veterans Hall Eastside Parking Lot Police Emergency Gate Installation Project
CIP Number: BF-3

Project Description: The goal of the Veterans Hall Eastside Parking Lot Police Emergency Gate Installation Project (project) is to improve emergency response times by installing an automatic gate behind the Veterans Hall building. This will allow emergency vehicles to have easy access to First Street East. The gate will not provide access to the general public.

The project will include the installation of a 4-foot high galvanized chain link fence and gate at the Sonoma Veterans Hall eastside parking lot. This will include an approximately 200-foot long fence with two gates. One of the gates is expected to be a 20-foot wide rolling gate with a power operator, and the other is expected to be a 20-foot wide double leaf swing gate.

This project will be managed by County of Sonoma staff and constructed on property owned by the County of Sonoma. City funding is needed for the project as it will provide access to the City's Police Station. The installation of the emergency gate is expected to cost approximately \$30,000 in Fiscal Year 2018-19.



Project Contact: County of Sonoma Staff

Estimated Installation: Spring 2019

Cumulative Prior Funding: N/A

Total Project Funding: \$30,000

Funding Source	Requested Funding 2018-19	Anticipated Request 2019-20	Anticipated Request 2020-21	Anticipated Request 2021-22	Anticipated Request 2022-23	5-year Total
General Fund	\$30,000	\$0	\$0	\$0	\$0	\$30,000
Total	\$30,000	\$0	\$0	\$0	\$0	\$30,000



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