

CITY OF PLACERVILLE

Leadership - Professionalism - Service



PROPOSED CAPITAL IMPROVEMENT PROGRAM BUDGET 2020/2021

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2020/2021

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CAPITAL IMPROVEMENT PROGRAM POLICY

Each year the City faces the challenge of meeting infrastructure and equipment needs with limited financial resources. The Capital Improvement Program Budget is designed to address the large financial investment that is required to maintain and expand public facilities and infrastructure. Ongoing service delivery can be assured only if adequate consideration is given to capital needs including capital asset replacement. If the City were to fail to maintain its capital assets, facilities and infrastructure will deteriorate until costly, constant maintenance is required, service levels are threatened, and community growth stagnates or even declines.

- In contrast to the Operating Budget, the Capital Improvement Program is a multi-year planning document. With respect to capital projects, it sets our goals for the next few years within what we believe to be realistic revenue projections.
- Capital assets are defined as a new or rehabilitated physical asset that is nonrecurring, has a useful life of five years or more, and is expensive to purchase. Capital projects are undertaken to acquire a capital asset. Examples of capital projects include construction of public facilities, major street improvements, and the acquisition of large pieces of equipment.
- Each project, shown within this document, indicates the potential funding sources based upon a number of restrictions that are common to local government revenue sources. As an example, we can build roads with gas tax funds and development impact funds, but not with park development funds.
- The funding strategy for the capital improvement program is to use all available restricted funds before general capital improvement funds. This maintains the City's flexibility to fund priority projects without regard to the source of revenues.
- Because of limited resources, the City's strategy during the last several years has been to contribute any carry-over from the prior year's operating budget to the General Capital Improvements Fund. This is the only true source of unrestricted capital improvement funds within the City. With the backlog of building maintenance projects, the City's goal is to someday allocate a percentage of sales tax revenues to be used only for capital improvements. This will assure long-term financial health of the City.

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2020/2021 CAPITAL IMPROVEMENT PROGRAM PROJECTS

Benham Street Pavement Rehabilitation (CIP #42103)

DESCRIPTION:

Benham Street connects Big Cut Road and Pacific Street and serves as direct access to both the City's Aquatic Center and the City's Corporation Yard, along with direct access to residential and commercial areas and places of worship. Due to its heavy use, the road has deteriorated to a state of disrepair and is in need of rehabilitation. Proposed treatments include a combination of pavement repairs, subgrade compaction, grind and pave, crack seal, and slurry seal as determined through field assessment. Utilities within the road will be assessed and should any repairs be needed, they will be addressed prior to paving following receipt of additional funding.

COST SUMMARY:

Environmental Document	\$ 0
Engineering	2,500
Right-of-Way Acquisition	0
Construction	125,000
Inspection/Testing	<u>2,500</u>
Subtotal	130,000
Contingency	<u>20,000</u>
Total Estimate	<u>\$150,000</u>

POTENTIAL FUNDING SOURCES:

Measure L Fund	\$150,000
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IMPACT ON ANNUAL MAINTENANCE AND OPERATION COSTS:

This project is anticipated to reduce annual maintenance and operational costs of Benham Street for the estimated project services life of 10 years or more.

ALTERNATIVES:

Defer the project and risk further deterioration of the road and potential increase in claims.

Winesap Circle Slurry Seal (CIP #42104)

DESCRIPTION:

The goal of this project is to extend the usable life of the asphalt roadway surface. This project would consist of two parts; the first part would be sealing cracks in the asphalt roadway surface using Superflex hot pour. Once the crack sealing has been completed the entire asphalt roadway surface would be seal coated using Overkote Seal Coat.

COST SUMMARY:

Construction	\$16,500
Architecture/Engineering	0
Environmental Document	0
Right-of-Way Acquisition	0
Inspection/Testing	500
Subtotal	<u>17,000</u>
Contingency	<u>3,000</u>
Total Estimate	<u>\$20,000</u>

POTENTIAL FUNDING SOURCES:

Ridge at Orchard Hill BAD-Zone 1A	\$20,000
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IMPACT ON ANNUAL MAINTENANCE AND OPERATION COSTS:

By extending the life of the roadway surface, maintenance costs related to patching potholes and potential damage claims will be greatly reduced.

ALTERNATIVES:

Defer the project to a later date

Town Hall Parking Lot Repaving (CIP #42105)

DESCRIPTION:

The City parking lot located at 549 Main Street, serving Town Hall, has reached an unacceptable condition of disrepair and is in need of repaving. This project will address the subgrade, paving, and site drainage conditions that have aided in the overall degradation of the lot's condition.

COST SUMMARY:

Environmental Document	\$ 0
Engineering	1,000
Right-of-Way Acquisition	0
Construction	53,000
Inspection/Testing	<u>1,000</u>
Subtotal	55,000
Contingency	<u>5,000</u>
Total Estimate	<u>\$60,000</u>

POTENTIAL FUNDING SOURCES:

Downtown Parking District Fund	\$60,000
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IMPACT ON ANNUAL MAINTENANCE AND OPERATION COSTS:

This project is anticipated to reduce annual maintenance and operational costs of the Town Hall parking lot and extend its service life beyond 10 years.

ALTERNATIVES:

Defer the project and risk further deterioration of the parking lot and potential increase in claims.

Lead Water Service Replacements (CIP #42106)

DESCRIPTION:

Under California Health and Safety Code, Section 116885, all water systems were required to compile an inventory of known lead service lines, or lines of unknown material. The initial inventory consisted of approximately 400 service lines that were suspected of possibly containing lead gooseneck fittings based on the model and style of curb stop used at the meter.

Some services on the original list have been replaced by Public Works Department staff in the course of repairing water leaks. Several more have also been replaced during larger projects such as the Pacific Street Project. To date, only approximately 50% of the lines suspected of having lead goosenecks have actually contained them.

The Public Works Department and Engineering Department are currently working together to replace water services which could possibly contain lead fittings as part of several larger projects such as Spring Street, Broadway, and Mosquito Road.

By July 1, 2020, all water systems are required to submit a timeline for replacement of all lead service lines or fittings to the Water Board. The timeline the City plans on submitting will be over the course of ten years. This project would be reoccurring annually as needed to comply with that timeline.

It should also be noted that the City continues to monitor lead and copper levels as directed, in accordance with all EPA and State Water Board guidelines. Currently, the City is on a reduced monitoring plan based on historically low levels. We are also working on adding five additional sites to our lead and copper sampling plan. All water system sampling data is reported annually in the Consumer Confidence Report.

COST SUMMARY:

Construction	<u>\$150,000</u>
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Total Estimate	<u>150,000</u>
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POTENTIAL FUNDING SOURCES:

Measure L Fund	\$150,000
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IMPACT ON ANNUAL MAINTENANCE AND OPERATION COSTS:

Replacing aging water services could potentially save money on water lost via undetected leaks.

ALTERNATIVES:

Defer until a later date.

Modular Treatment Unit (MTU) No. 1 Servicing and Underdrain Replacement (CIP #42107)

DESCRIPTION:

This is a full servicing of Modular Treatment Unit No. 1 known as the MTU filtering system at the Hangtown Creek Water Reclamation Facility. Service of MTU No. 2 was done under CIP No. 41901 and replacement of the underdrain system was completed under CIP No. 42102, and the time has come to address servicing needs of the second MTU unit.

The MTU consists of two Micro Floc Gravity Filters that remove any remaining particulate matter prior to the effluent and prior to being sent to the UV disinfection system and final discharge into Hangtown Creek. Servicing will include the removal, packaging, and disposal of existing media; interior filter cleaning where required, supply and installation of new media; and the repair or replacement of existing under drains as needed. Servicing will also include steel preparation (sandblasting) for new coat of Sherwin Williams Epoxy (Sherplate PW High Solids Epoxy @ 25-35 Mils DFT). In addition, the filters are housed in aluminum grates and framing which have been corroding over time. These grates will be replaced with fiberglass which should provide a longer service life. Replacement of the underdrain system will include removal of the existing underdrain system and replacement with a new fabricated stainless-steel header system and laterals.

COST SUMMARY:

Environmental Document	\$ 0
Engineering	0
Right-of-Way Acquisition	0
Construction	335,000
Inspection/Testing/Staff Support	<u>5,000</u>
Subtotal	340,000
Contingency ($\pm 11\%$)	<u>40,000</u>
Total Estimate	<u>\$380,000</u>

POTENTIAL FUNDING SOURCES:

Measure H Fund	\$190,000
Measure L Fund	\$190,000

IMPACT ON ANNUAL MAINTENANCE AND OPERATION COSTS:

The filters, installed in 2008, have a service life of 8 to 10 years before requiring full servicing. This unit has surpassed its useful daily operation prior to servicing. Addressing the MTU will prevent potential maintenance costs and disruption to plant operations.

ALTERNATIVES:

Defer the project and risk deterioration of the treatment process and damage to the Hangtown Creek Water Reclamation Facility.

Secondary Clarifier No. 1 Mechanism Replacement (CIP #42108)

DESCRIPTION:

The central mechanism of the Secondary Clarifier has been showing signs of nearing its end of useful service life. Constructed as part of the 1996 treatment plant upgrades, many years of regular use and occasional seasons of heavy use during the wet months have worn various components that impact the centrifuge function of the clarifier. Staff is in the process of assessing what components are in need of replacement and what is still operational with a reasonable service life.

COST SUMMARY:

Environmental Document	\$ 0
Engineering	7,000
Right-of-Way Acquisition	0
Construction	65,000
Inspection/Testing/Staff Support	<u>3,000</u>
Subtotal	75,000
Contingency ($\pm 11\%$)	<u>10,000</u>
Total Estimate	<u>\$85,000</u>

POTENTIAL FUNDING SOURCES:

Measure L Fund	\$85,000
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IMPACT ON ANNUAL MAINTENANCE AND OPERATION COSTS:

Addressing the central mechanism of Secondary Clarifier No. 1 will prevent future potential maintenance costs and disruption to plant operations, including reduced risk to permit violations and fines from the State.

ALTERNATIVES:

Defer the project and risk deterioration of the treatment process and damage to the Hangtown Creek Water Reclamation Facility.

Water Reclamation Facility Digester No. 1 Servicing (CIP #42109)

DESCRIPTION:

This is a full servicing of Digester No. 1 at the Hangtown Creek Water Reclamation Facility is needed. Anaerobic digesters are designed to be cleaned every three to eight years. The last record of cleaning for the WRF digesters was in 2010. Servicing of Digester #2 was completed Summer of 2020. Staff has done an excellent job in maintaining the equipment to allow for the service timeframes to be extended to nearly 10 years. However, digesters accumulate grit and rags at an approximate rate of 2% or greater per digester volume every year, thus filling up at a gradual and constant rate. After the unit is cleaned and inspected, any necessary repairs will be made prior to installation of a new mixing pump.

COST SUMMARY:

Environmental Document	\$ 0
Engineering	1,000
Right-of-Way Acquisition	0
Construction	60,000
Inspection/Testing	<u>2,000</u>
Subtotal	63,000
Contingency	<u>7,000</u>
Total Estimate	<u>\$70,000</u>

POTENTIAL FUNDING SOURCES:

Measure H Fund	\$70,000
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IMPACT ON ANNUAL MAINTENANCE AND OPERATION COSTS:

Servicing of Digester #1 will prevent future potential maintenance costs and disruption to plant operations.

ALTERNATIVES:

Defer the project and risk deterioration of the treatment process and damage to the Hangtown Creek Water Reclamation Facility.

City of Placerville
Proposed Capital Improvement Program Budget Summary
Fiscal Year 2020/2021

Project	Downtown Parking District Fund	Ridge at Orchard Hill BAD-Zone 1A	Measure H Fund	Measure L Fund	Total Projected Cost
Benham Street Pavement Rehabilitation (CIP #42103)	\$ -	\$ -	\$ -	\$ 150,000	\$ 150,000
Winesap Circle Slurry Seal (CIP #42104)	-	20,000	-	-	20,000
Town Hall Parking Lot Repaving (CIP #42105)	60,000	-	-	-	60,000
Lead Water Service Replacements (CIP #42106)	-	-	-	150,000	150,000
Modular Treatment Unit (MTU) No. 1 Servicing and Underdrain Replacement (CIP #42107)	-	-	190,000	190,000	380,000
Secondary Clarifier No. 1 Mechanism Replacement (CIP #42108)	-	-	-	85,000	85,000
Water Reclamation Facility Digester No. 1 Servicing (CIP #42109)	-	-	70,000	-	70,000
Total	\$ 60,000	\$ 20,000	\$ 260,000	\$ 575,000	\$ 915,000