

CITY OF PLACERVILLE

*Bringing the World Together
2016 World Gold Panning Championships
Parade of Nations*



Image by George Sabato

PROPOSED CAPITAL IMPROVEMENT PROGRAM BUDGET 2017/2018

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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2017/2018 CAPITAL IMPROVEMENT PROGRAM PROJECTS

Sodium Hydroxide Pump Manifold System Replacement (CIP #41801)

DESCRIPTION:

This is the replacement of the existing Sodium Hydroxide Pump Manifold System including: replacement of two pumps, relocation of one pump and new piping, and replacement and installation of new piping and valves. The work involves the handling and disposal of hazardous chemicals and requires that workers will use personal protective equipment (PPE). The existing system leaks and is a constant concern to causing exposure of employees with caustic sodium hydroxide. The use of sodium hydroxide or “caustic soda” is used to regulate the alkalinity or pH.

COST SUMMARY:

Construction	\$19,012
Architecture/Engineering	
Environmental Document	
Right-of-Way Acquisition	
Inspection/Testing	
Subtotal	<u>19,012</u>
Contingency	1,902
Total Estimate	<u>\$20,914</u>

POTENTIAL FUNDING SOURCES:

Measure H Fund	\$20,914
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IMPACT ON ANNUAL MAINTENANCE AND OPERATION COSTS:

Staff is spending an average of two hours per week hosing down the system vicinity due to constant leaking of chemicals from the joints and valves. Estimated annual cost between \$7,384 (\$71.00/hour) and \$8,736.00 (\$84.00/hour) annual staff cost. Other costs may include repairs made by contractors if necessary.

ALTERNATIVES:

None identified.

Digester No. 2 Pump Replacement (CIP #41802)

DESCRIPTION:

This the replacement of the existing Digester No. 2 horizontal chopper pump with a new Vaughan 113 Horizontal Chopper Pump (HE4S6CS). This pump was damaged from the introduction of heavy materials including sand and gravel resulting from the January and February 2017 storm events.

COST SUMMARY:

Parts	\$9,732
Construction	
Architecture/Engineering	
Environmental Document	
Right-of-Way Acquisition	
Inspection/Testing	
Subtotal	<u>9,732</u>
Contingency	
Total Estimate	<u><u>\$9,732</u></u>

POTENTIAL FUNDING SOURCES:

FEMA/Cal OES	\$9,124
Measure H Fund	608

IMPACT ON ANNUAL MAINTENANCE AND OPERATION COSTS:

The life of the new pump is expected to be 15 to 20 years.

ALTERNATIVES:

Rebuild the existing pump: The quote from Rockwell Engineering and Equipment Co. to rebuild the existing pump is \$7,806. The cost for parts does not include labor costs to rebuild the pump which is estimated to bring the total cost to that of purchasing a new pump.

Automatic Transfer Switch Replacement (CIP #41803)

DESCRIPTION:

This is the replacement of the existing non-functioning Automatic Transfer Switch (ATS) with a Cutler-Hammer Westinghouse Switchboard 2000 amp non-bypass ASCO ATS. The project includes installation of the new indoor ATS to include: intercept and route existing 2000 amp load, 1200 amp emergency feed and 2000 amp normal feed from existing ATS location to the new ATS and test.

The existing ATS was installed in 1997 and is no longer operative. Due to its age, replacement parts are no longer available to adequately rebuild the unit. During a power outage, the ATS switch automatically transfers power delivery from the electrical power supply to the emergency generator and vice versa. Without the functioning ATS, WRF staff will contact Holt to send specially trained and outfitted person to manually activate the switch.

COST SUMMARY:

Construction/Installation	\$78,504
Architecture/Engineering	
Environmental Document	
Right-of-Way Acquisition	
Inspection/Testing	
Subtotal	<u>\$78,504</u>
Contingency	1,558
Total Estimate	<u><u>\$80,062</u></u>

POTENTIAL FUNDING SOURCES:

Measure H Fund	\$80,062
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IMPACT ON ANNUAL MAINTENANCE AND OPERATION COSTS:

The life of the new ATS is expected to be 15 to 20 years with regular service.

ALTERNATIVES:

Do not replace ATS and continue to rely on outside vendor to manually activate the switch when necessary. Cost estimate for a two-hour call out is between \$300 to \$400.

Grit Classifier Replacement (CIP #41804)

DESCRIPTION:

This is the replacement of the existing Grit Classifier with a WEMCO Hydrogritter located within the Headworks of the Water Reclamation Facility. The project includes hydraulically and electrically isolating and removing the existing grit classifier; decommission and disassemble existing grit classifier equipment and other appurtenances; and assembly and installation of the new grit classifier to include: installation of tank support concrete anchors; fabrication and modifications to existing piping; pipe hangers and supports to accommodate modifications to the existing piping; re-connect conduit and conductors to the new grit classifier equipment; and conduct pre-commissioning checks to verify proper installation and operation of the new grit classifier.

The existing grit classifier was damaged from the introduction of storm water (I&I) containing heavy materials including sand, gravel, and rocks resulting from the January and February 2017 storm events and is no longer operating satisfactorily.

COST SUMMARY:

Construction/Installation	\$136,026
Architecture/Engineering	
Environmental Document	
Right-of-Way Acquisition	
Inspection/Testing	
Subtotal	<u>\$136,026</u>
Contingency	5,923
Total Estimate	<u>\$141,949</u>

POTENTIAL FUNDING SOURCES:

FEMA/Cal OES	\$133,077
Measure H Fund	8,872

IMPACT ON ANNUAL MAINTENANCE AND OPERATION COSTS:

The life of the new grit classifier is expected to be 20 years with regular service.

ALTERNATIVES:

Do not replace grit classifier and allow grit and other solids to enter the digesters adding to maintenance issues and potential for damage to other plant components.

Grit Pump Replacement (CIP #41805)

DESCRIPTION:

This is the replacement of the existing Grit Pump with a WEMCO Self-Priming Grit Pump (Model WSP3A60-B) located within the Headworks of the Water Reclamation Facility. The project includes hydraulically and electrically isolating and removing the existing grit pump; demo existing piping connections and other appurtenances; and the assembly and installation of the new grit pump; including re-plumb and re-connect conduit and conductors to the new grit pump, and conduct pre-commissioning checks to verify proper installation and operation of the new grit pump.

This grit pump was damaged from the introduction storm water (I&I) containing heavy materials including sand, gravel, and rock resulting from the January and February 2017 storm events and is no longer operating satisfactorily.

COST SUMMARY:

Construction/Installation	\$22,125
Architecture/Engineering	
Environmental Document	
Right-of-Way Acquisition	
Inspection/Testing	
Subtotal	<u>22,125</u>
Contingency	1,311
Total Estimate	<u>\$23,436</u>

POTENTIAL FUNDING SOURCES:

FEMA/Cal OES	\$21,971
Measure H Fund	1,465

IMPACT ON ANNUAL MAINTENANCE AND OPERATION COSTS:

The life of the new Grit Pump is expected to be 15 to 20 years with regular service.

ALTERNATIVES:

Do not replace the Grit Pump allow grit and other solids to enter the digesters adding to maintenance issues and increase the potential for maintenance problems and damage to other plant components.

Screen Replacement (CIP #41806)

DESCRIPTION:

This is the replacement of the existing Screen with a WesTech CleanFlo Spiral Screen (Model FS15XXL) located within the Headworks of the Water Reclamation Facility. The project includes bypass influent flow and clean channel; remove and dispose of the existing screen and other appurtenances; assembly and installation of the new CleanFlo Spiral Screen, motor, control panel, and other appurtenances; make electrical connections, and perform tests and start-up.

The Screen was damaged from the introduction storm water I&I containing heavy abrasive materials including rock, gravel, and sand resulting from the January and February 2017 storm events and is no longer operating satisfactorily.

COST SUMMARY:

Construction/Installation	\$140,186
Architecture/Engineering	
Environmental Document	
Right-of-Way Acquisition	
Inspection/Testing	
Subtotal	<u>140,186</u>
Contingency	7,169
Total Estimate	<u>\$147,355</u>

POTENTIAL FUNDING SOURCES:

FEMA/Cal OES	\$138,145
Measure H Fund	9,210

IMPACT ON ANNUAL MAINTENANCE AND OPERATION COSTS:

The life of the new Screen is expected to be 20 years with regular service.

ALTERNATIVES:

Do not replace the Screen and allow rags, plastic, and other solids and debris to enter the digesters adding to maintenance issues and increase the potential for maintenance problems and damage to other treatment plant components.

Hangtown Creek Stream Flow & Temperature Gauge Replacements & Calibrations (CIP #41807)

DESCRIPTION:

This is the replacement of the existing stream level gauge, stream temperature gauges, and respective containment systems at locations above wastewater discharge point (RSW-001) and below discharge point (RSW-002); and Hangtown Creek flow and cross-section (profile) measurements for stream gauge calibration. The stream level and temperature gauges were destroyed by heavy stream flow and debris resulting from the January and February 2017 storm events.

COST SUMMARY:

Construction/Installation	\$23,511
Architecture/Engineering	
Environmental Document	
Right-of-Way Acquisition	
Inspection/Testing	
Subtotal	<u>23,511</u>
Contingency	2,351
Total Estimate	<u><u>\$25,862</u></u>

POTENTIAL FUNDING SOURCES:

FEMA/Cal OES	\$24,246
Measure H Fund	1,616

IMPACT ON ANNUAL MAINTENANCE AND OPERATION COSTS:

The life of the new is expected to be 15 to 20 years with regular service.

ALTERNATIVES:

There is no feasible alternative to replacement of the stream flow and temperature gauges which are required under the City's NPDES permit with the state Water Boards.

Lions Park Maintenance Building Roof Replacement (CIP #41808)

DESCRIPTION:

The existing composition roof has exceeded its useful life and needs to be replaced. The scope of work includes tear off, dry rot inspection, and installation of 30lbs felt, flashings, vents ridges and GAF Timberline High Definition composition shingles.

COST SUMMARY:

Contract Services	\$5,000
Contingency (20%)	<u>1,000</u>
Total Estimate	<u>\$6,000</u>

POTENTIAL FUNDING SOURCES:

General Fund	\$6,000
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IMPACT ON ANNUAL MAINTENANCE AND OPERATION COSTS:

Reduce expenses associated with water damage.

ALTERNATIVES:

Defer the project.

Hattie's Gift Shop Exterior Staining & Painting (CIP #41809)

DESCRIPTION:

The gift shop was last stained and painted in 1997. The exterior is fading and drying out. A new application of stain and paint is necessary to protect the structural integrity of the building.

COST SUMMARY:

Contract Services	\$ 4,741
Contingency	<u>948</u>
Total Estimate	<u>\$ 5,689</u>

POTENTIAL FUNDING SOURCES:

General Fund	\$ 5,689
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IMPACT ON ANNUAL MAINTENANCE AND OPERATION COSTS:

This will help protect the siding on the Gift Shop and will give it a nice look.

ALTERNATIVES:

Defer the project.

Gold Bug Park Tree Care and Removal (CIP #41810)

DESCRIPTION:

A considerable number of trees within the sixty-three acre park have become hazardous and pose a threat to park visitors and/or City property. The project will include an arborist assessment of the current condition and completion of a comprehensive treatment plan.

This project will include plantings in the area where fuel load reduction has occurred. This will increase shade through established canopy and will reduce long term maintenance of the brush field. These trees can be planted with the help of El Dorado County Resource Conservation District along with volunteer groups.

Targeted herbicide treatments will be applied to reduce undesirable vegetative species. This would be done through a licensed applicator. Hand treatment to maintain existing fuel treatments to retain a desirable condition. These treatments would be done with chain saws, weed eaters, chipping, burning etc. These hand treatments could be done through Growlersberg. If any grant fund becomes available this could be a possibility as well.

COST SUMMARY:

Contract Services	\$40,000
Contingency	<u>8,000</u>
Total Estimate	<u>\$48,000</u>

POTENTIAL FUNDING SOURCES:

State Hazardous Tree Removal Grant	\$36,000
General Liability Fund	12,000

IMPACT ON ANNUAL MAINTENANCE AND OPERATION COSTS:

Project will reduce staff time associated with limb removal and infrastructure repair and improve park safety.

ALTERNATIVES:

Defer the project.

Duffey Park Shade Structure Installation (CIP #41811)

DESCRIPTION:

The existing landscape at Duffey Park does not provide adequate shade for park visitors during the summer months. This project would create shaded areas in close proximity to the existing play features within the park. The scope of work includes purchase and installation of shade structure.

COST SUMMARY:

Shade Structure	\$20,000
Installation	10,000
Contingency	<u>6,000</u>
Total Estimate	<u>\$36,000</u>

POTENTIAL FUNDING SOURCES:

Cottonwood Park LLMD Fund	\$36,000
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IMPACT ON ANNUAL MAINTENANCE AND OPERATION COSTS:

Potential for increased maintenance due to vandalism.

ALTERNATIVES:

Defer the project.

Recreation Registration Software Program (CIP #41812)

DESCRIPTION:

Currently the City is using Active Networks registration program “Class” for registering participants in City Recreation Programs. Active Network has given notice that Class will no longer be supported after November 30, 2017. This means the City has to purchase a new Recreation Software program prior to November 30, 2017. Staff recommends the City purchase ActiveNet from Active Networks. ActiveNet is an on-line based program so the City would no longer need a server to run it like it does with Class. Given the high demand in the summer, staff recommends this program be implemented when the Winter/Spring Activity Guide comes out in December. Training would start in September.

ActiveNet will provide additional functions that class currently does not offer such as: 1. Online program registration. 2. Membership Module for pool passes. 3. Daily pool admission sales. 4. Gold Bug Gift Shop inventory tracking. 5. Gold Bug gift shop purchases can be made through ActiveNet allowing for a much better reporting. 6. Daily Mine Tour admission sales.

COST SUMMARY:

Initial Set-up and Training	\$33,000
Hardware	
Total Estimate	<u>\$33,000</u>

POTENTIAL FUNDING SOURCES:

General Fund	\$33,000
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IMPACT ON ANNUAL MAINTENANCE AND OPERATION COSTS:

Annual fees will be based off the amount of registrations that are taken through ActiveNet. Program fees can be increased by 5% to cover these additional costs.

ALTERNATIVES:

Explore other Registration Software programs such as Max Solutions, Teamsideline, and Vermont Systems.

Community Services Department Network Computer Replacement (CIP #41813)

DESCRIPTION:

There are seven computer workstations within the Community Services Department that need to be replaced. Approximately seven years ago the department received private one time grant funding to replace all seven workstations at once. The computers are now becoming unreliable and will not efficiently run the new registration software planed for the Department. Staff has worked with the City's Information Technology Department to identify the necessary hardware that will increase productivity and adequately accommodate the new registration software. The workstation upgrades includes new computers, monitors, keyboards and mice. Three additional computers will be necessary to accommodate the new registration program and are included in the CIP for the new software upgrade.

COST SUMMARY:

Computer Equipment	\$3,000
Construction	
Architecture/Engineering	
Environmental Document	
Right-of-Way Acquisition	
Inspection/Testing	
Subtotal	3,000
Contingency	
Total Estimate	<u>\$3,000</u>

POTENTIAL FUNDING SOURCES:

General Fund	\$3,000
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Town Hall Security Improvements (CIP #41814)

DESCRIPTION:

As a result of recent burglary attempts at Town Hall and a significant increase in transient occupancy within the facility, staff has identified a number of safety measures that should be taken to improve overall occupant safety and protect City property. The recommended improvements are the result of a collaborative effort including the Police, Community Services and Community Development Departments. In addition recommendations were provided by the Central California Intelligence Center Critical Infrastructure/Key Resources Unit. The scope of work will include the following:

1. Install a bank teller type window at the front counter of the Community Services office with a roll down solid aluminum enclosure. A door will also be installed adjacent to the counter that will be electronically controlled by the office staff.
2. Install electronic proximity card readers to exterior doors and replace locks and hardware.
3. Mount a permanent safe in the supply room and install a solid wood door with a deadbolt lock.
4. Mount alarms within the community services office, downstairs double doors and upstairs entries.
5. The wall behind the Council Chambers will have a door built into it that leads to the kitchen. This area will serve as a safe room for council/commission members, and employees working in the community services department.
6. The existing TV cameras in the council chambers will be wired to the police department.
7. Install an 8' chain link fence with privacy slates around the HVAC system and storage shed.

COST SUMMARY:

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

POTENTIAL FUNDING SOURCES:

General Fund	\$20,000
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IMPACT ON ANNUAL MAINTENANCE AND OPERATION COSTS:

Increase in ongoing routine maintenance and repairs.

ALTERNATIVES:

Reduce the scope of work.

Police Department Telephone System Replacement (CIP #41815)

DESCRIPTION:

Replace the old analog telephone system at the Police Department with a new digital system. There are several reasons that the system needs to be replaced:

- The company that installed the system is out of business and ATT will not support an analog system.
- Repair or replacement of the equipment is no longer possible because parts are not available.
- The voice quality of the current system is intermittently scratchy.
- The current system drops calls intermittently.
- We cannot add additional lines as needed.
- We have been told by ATT that the system is failing.

COST SUMMARY:

Construction	\$15,000
Architecture/Engineering	
Environmental Document	
Right-of-Way Acquisition	
Inspection/Testing	
Subtotal	<u>15,000</u>
Contingency	
Total Estimate	<u>\$15,000</u>

POTENTIAL FUNDING SOURCES:

General Fund	\$15,000
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IMPACT ON ANNUAL MAINTENANCE AND OPERATION COSTS:

Unquantified amount of savings in service calls and repairs.

ALTERNATIVES:

Do not replace and wait until the system fails resulting in an emergency situation.

Placerville Drive Bicycle and Pedestrian Facilities (CIP #41816)

DESCRIPTION:

Construct bicycle facilities and sidewalks along Placerville Drive from west of the Highway 50 undercrossing to Green Valley Road, and sidewalk on the west side of Green Valley Road from Placerville Drive to Mallard Lane. Both Class II Bicycle Lanes and Class IV Bikeways (separated bikeways, also known as “cycle tracks”) will be evaluated during the preliminary engineering phase, including community involvement.

The City of Placerville submitted an application and was successfully awarded funding for this project under the Congestion Mitigation and Air Quality Program (CMAQ) 2015/16 Call for Projects issued by the El Dorado County Transportation Commission (EDCTC). The purpose of this project is to connect short existing segments of sidewalks and Class II bicycle lanes. Existing facilities which are generally challenging to use because of disjointed sections, will be connected with new facilities for more safe and convenient access to the surrounding area.

COST SUMMARY:

Engineering and Project Management	\$ 925,000
Environmental Document	125,000
Right-of-Way Acquisition	50,000
Inspection/Testing	
Subtotal	<u>1,100,000</u>
Contingency	
Total Estimate	<u>\$1,100,000</u>

FUNDING SOURCES:

Congestion Mitigation and Air Quality Program (CMAQ)	\$ 973,830
State Toll Credits (Satisfies Local Match Requirement)	126,170

IMPACT ON ANNUAL MAINTENANCE AND OPERATION COSTS:

None identified at this time.

ALTERNATIVES:

Defer the project and risk losing the awarded funding opportunity.

Pot Holing and Crack Sealing-Various Streets (CIP #41817)

DESCRIPTION:

Crack seal application and hot mix asphalt patch paving of potholes in various identified City roads utilizing City resources from the "Patch Paving and Crack Seal Annual Project List" to be funded and implemented on an annual basis.

List includes but not limited to: Broadway, upper Main Street, lower Main Street, Mallard Lane, Coleman Street, Country Club Drive, Pacific Street, and Placerville Drive.

COST SUMMARY:

Engineering and Project Management	\$3,000
Environmental Document	
Right-of-Way Acquisition	
Inspection/Testing	3,000
Construction	<u>42,000</u>
Subtotal	48,000
Contingency	<u>2,000</u>
Total Estimate	<u>\$50,000</u>

FUNDING SOURCES:

Measure L Fund	\$50,000
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IMPACT ON ANNUAL MAINTENANCE AND OPERATION COSTS:

An effective and routine road maintenance program will lengthen the service life of roads within the City as it is less expensive than road reconstruction.

ALTERNATIVES:

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

Street Slurry Maintenance-Various Streets (CIP# 41818)

DESCRIPTION:

Combination of roadway treatments and improvements to various identified City roads from the “Roadway Maintenance Annual Project List” on an annual basis.

The Roadway Maintenance List will be based on ranking criteria of a Pavement Condition Index (PCI) of 60 and above, Average Daily Traffic (ADT), potential for liability and leverage with outside funding sources.

COST SUMMARY:

Engineering and Project Management	\$ 3,000
Environmental Document	
Right-of-Way Acquisition	
Inspection/Testing	3,000
Construction	140,000
Contingency	<u>4,000</u>
Total Estimate	<u>\$150,000</u>

FUNDING SOURCES:

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

An effective and routine road maintenance program will lengthen the service life of roads within the City as it is less expensive than road reconstruction.

ALTERNATIVES:

Defer the project and risk further deterioration of the City’s roadway network and potential increase in claims.

Mosquito Road Stabilization-Clay Street to City Limits (CIP# 41819)

DESCRIPTION:

Reconstruction of Mosquito Road structural section from Clay Street to the City limits. This project assumes funding from the Measure L Fund between Fiscal Years 2017/2018 and 2021/2022.

COST SUMMARY:

Engineering and Project Management	\$100,000
Environmental Document	10,000
Right-of-Way Acquisition	
Construction	<u>900,000</u>
Subtotal	1,010,000
Contingency	<u>112,000</u>
Total Estimate	<u>\$1,122,000</u>

FUNDING SOURCES:

Measure L Fund	\$1,122,000
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IMPACT ON ANNUAL MAINTENANCE AND OPERATION COSTS:

None identified at this time.

Mosquito Road Overlay (CIP #41820)

DESCRIPTION:

Addressing deficient and degraded pavement and roadway section located on Mosquito Road with an approximate length of feet from Locust Street to Dimity Lane.

Mosquito Road improvements are included in the Placerville Station Park & Ride Phase II Project.

COST SUMMARY:

Engineering and Project Management	\$10,000
Environmental Document	1,000
Right-of-Way Acquisition	
Inspection/Testing	9,000
Construction	<u>320,000</u>
Subtotal	340,000
Contingency	<u>11,286</u>
Total Estimate	<u>\$351,286</u>

FUNDING SOURCES:

Measure L Fund	\$351,286
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IMPACT ON ANNUAL MAINTENANCE AND OPERATION COSTS:

Mosquito Road frequently requires weekly maintenance by Public Works to address the damaged and failed roadway. The improvements planned with this project will substantially extend the service life of Mosquito Road while also reducing service calls.

ALTERNATIVES:

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

Canal Street Reconstruction (CIP# 41821)

DESCRIPTION:

Reconstruction of Canal Street to include the replacement of water main, sewer main, drainage collection system, and structural reconstruction of the roadway. Because this project is relatively large, the City is considering financing it over twenty years. Measure L funds will be accumulated over multiple fiscal years and may be utilized towards debt service if the project is financed.

COST SUMMARY:

ROAD RECONSTRUCTION

Engineering and Project Management	\$ 250,000
Environmental Document	10,000
Right-of-Way Acquisition	10,000
Construction	<u>2,500,000</u>
Subtotal	2,770,000
Contingency	<u>58,000</u>
Total Estimate	<u>2,828,000</u>

WATER MAIN REPLACEMENT

Engineering and Project Management	125,000
Environmental Document	5,000
Right-of-Way Acquisition	
Construction	<u>900,000</u>
Subtotal	1,030,000
Contingency	<u>182,000</u>
Total Estimate	<u>1,212,000</u>

SEWER MAIN REPLACEMENT

Engineering and Project Management	100,000
Environmental Document	5,000
Right-of-Way Acquisition	
Construction	<u>1,010,000</u>
Subtotal	1,115,000
Contingency	<u>299,000</u>
Total Estimate	<u>1,414,000</u>
Grand Total Estimate:	<u>\$5,454,000</u>

FUNDING SOURCES:

Measure L Fund	\$5,454,000
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IMPACT ON ANNUAL MAINTENANCE AND OPERATION COSTS:

None identified at this time.

ALTERNATIVES:

Defer the project.

Public Parking Rehabilitation (CIP #41822)

DESCRIPTION:

This project will improve the existing condition of Public Parking Lots throughout the Downtown Parking District. The scope of work will include improvements to the following lots: Town Hall, Mooney, Old City Hall, Ivy House, Fox, Milton and the Center Street Parking Structure. Intended improvements will include; asphalt patching, striping, handicapped signage, chain-link fence repair, masonry repair, and parking stall repair.

COST SUMMARY:

Contractual Services	\$35,000
Contingency	<u>5,000</u>
Total Estimate	<u>\$40,000</u>

POTENTIAL FUNDING SOURCES:

Downtown Parking District Fund	\$40,000
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IMPACT ON ANNUAL MAINTENANCE AND OPERATION COSTS:

None

ALTERNATIVES:

Defer the project.

Mosquito Road Sewer Main Replacement (CIP #41823)

DESCRIPTION:

Replace approximately 1,000 linear feet of existing cast iron sewer pipe from Broadway Court/Randolph Creek to Hocking Street. The Mosquito Road Sewer Replacement Project is included as part of the Placerville Station Park & Ride Phase II Project.

COST SUMMARY:

Engineering and Project Management	\$ 8,000
Environmental Document	
Right-of-Way Acquisition	
Inspection/Testing	8,000
Construction	<u>160,000</u>
Subtotal	176,000
Contingency	<u>8,500</u>
Total Estimate	<u>\$184,500</u>

FUNDING SOURCES:

Measure H Fund	\$184,500
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IMPACT ON ANNUAL MAINTENANCE AND OPERATION COSTS:

This improvement will reduce risk to public health and safety by replacing the existing pipe located within Randolph Creek and various segments in the road. Additionally, the improvements associated with this project will reduce future operating costs for attempted maintenance and future construction in the event an emergency repair is needed.

ALTERNATIVES:

Defer the project and risk potential sewer spills.

Inflow & Infiltration Reduction (CIP #41824)

DESCRIPTION:

In response to 2017 storm season where peak inflows at the wastewater treatment facility exceeded process capacity, the City will survey and improve segments of the sewer collection system to address or enforce code violations occurring with private sewer lateral and service connections with known I&I. This is an annual project that will be renewed each year thereafter.

COST SUMMARY:

Engineering and Project Management	\$ 10,000
Environmental Document	
Right-of-Way Acquisition	
Construction	<u>80,000</u>
Subtotal	90,000
Contingency	<u>10,000</u>
Total Estimate	<u>\$100,000</u>

FUNDING SOURCES:

Measure L Fund	\$100,000
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IMPACT ON ANNUAL MAINTENANCE AND OPERATION COSTS:

The improvements associated with this annual list will improve the overall integrity of the collection system, reduce service calls, and ultimately protect the City's facilities at the treatment plant and prevent future Notices of Violations from the Regional Water Quality Control Board.

ALTERNATIVES:

Defer the project and risk damage to the Hangtown Creek Water Reclamation Facility during storm events and excessive I&I.

Cedar Ravine Road Sewer Line Replacement (CIP #41825)

DESCRIPTION:

Replace approximately 3,300 linear feet of existing cast iron sewer pipe located within Cedar Ravine Creek and relocate to within Cedar Ravine Road. The existing sewer line is served by one manhole. The project also includes installing 9 manholes (one manhole per 400 feet). This project assumes funding from Measure L Fund between Fiscal Years 2017/2018 and 2019/2020.

COST SUMMARY:

Engineering and Project Management	\$ 90,000
Environmental Document	25,000
Right-of-Way Acquisition	10,000
Construction	<u>900,000</u>
Subtotal	1,025,000
Contingency	<u>160,800</u>
Total Estimate	<u>\$1,185,800</u>

FUNDING SOURCES:

Measure L Fund	\$1,185,800
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IMPACT ON ANNUAL MAINTENANCE AND OPERATION COSTS:

This improvement will reduce risk to public health and safety by replacing failing existing pipe as it could potentially spill into Cedar Ravine Creek. Additionally, the improvements associated with this project will reduce future operating costs for attempted maintenance and future construction in the event an emergency repair is needed.

ALTERNATIVES:

Defer the project and risk potential sewer spills.

City of Placerville
Proposed Capital Improvement Program Budget Summary
Fiscal Year 2017/2018

Project	General Fund	State Hazardous Tree Removal Grant	Downtown Parking Fund	Cottonwood Park LLMD Fund	FEMA/OES	Measure H Fund	Measure L Fund	Transportation Fund	General Liability Fund	Total Projected Cost
Sodium Hydroxide Pump Manifold System Replacement (CIP #41801)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,914	\$ -	\$ -	\$ -	\$ 20,914
Digester No. 2 Pump Replacement (CIP #41802)	-	-	-	-	9,124	608	-	-	-	9,732
Automatic Transfer Switch Replacement (CIP #41803)	-	-	-	-	-	80,062	-	-	-	80,062
Grit Classifier Replacement (CIP #41804)	-	-	-	-	133,077	8,872	-	-	-	141,949
Grit Pump Replacement (CIP #41805)	-	-	-	-	21,971	1,465	-	-	-	23,436
Screen Replacement (CIP #41806)	-	-	-	-	138,145	9,210	-	-	-	147,355
Hangtown Creek Stream Flow & Temperature Gauge Replacements & Calibrations (CIP #41807)	-	-	-	-	24,246	1,616	-	-	-	25,862
Lions Park Maintenance Building Roof Replacement (CIP #41808)	6,000	-	-	-	-	-	-	-	-	6,000
Hattie's Gift Shop Exterior Staining & Painting (CIP #41809)	5,689	-	-	-	-	-	-	-	-	5,689
Gold Bug Park Tree Care and Removal (CIP #41810)	-	36,000	-	-	-	-	-	-	12,000	48,000
Duffey Park Shade Structure Installation (CIP #41811)	-	-	-	36,000	-	-	-	-	-	36,000
Recreation Registration Software Program (CIP #41812)	33,000	-	-	-	-	-	-	-	-	33,000
Community Services Department Network Computer Replacement (CIP #41813)	3,000	-	-	-	-	-	-	-	-	3,000
Town Hall Security Improvements (CIP #41814)	20,000	-	-	-	-	-	-	-	-	20,000
Police Department Telephone System Replacement (CIP #41815)	15,000	-	-	-	-	-	-	-	-	15,000
Placerville Drive Bicycle & Pedestrian Facility Improvements (CIP #41816)	-	-	-	-	-	-	-	1,100,000	-	1,100,000
Pot Holing and Crack Sealing-Variou Streets (CIP #41817)	-	-	-	-	-	-	50,000	-	-	50,000
Street Slurry Maintenance-Variou Streets (CIP #41818)	-	-	-	-	-	-	150,000	-	-	150,000
Mosquito Road Stabilization-Clay Street to City Limits (CIP #41819)	-	-	-	-	-	-	1,122,000	-	-	1,122,000
Mosquito Road Overlay (CIP #41820)	-	-	-	-	-	-	351,286	-	-	351,286
Canal Street Reconstruction (CIP #41821)	-	-	-	-	-	-	5,454,000	-	-	5,454,000
Public Parking Rehabilitation Project (CIP #41822)	-	-	40,000	-	-	-	-	-	-	40,000
Mosquito Road Sewer Main Replacement (CIP #41823)	-	-	-	-	-	184,500	-	-	-	184,500
Inflow & Infiltration Reduction (CIP #41824)	-	-	-	-	-	-	100,000	-	-	100,000
Cedar Ravine Road Sewer Line Replacement (CIP #41825)	-	-	-	-	-	-	1,185,800	-	-	1,185,800
Total	\$ 82,689	\$ 36,000	\$ 40,000	\$ 36,000	\$ 326,563	\$ 307,247	\$ 8,413,086	\$ 1,100,000	\$ 12,000	\$10,353,585