

**FY 2016/17 TO 2020/21**

**FIVE-YEAR CAPITAL IMPROVEMENT  
PROGRAM**



## **FY 2016/17 to FY 2020/21 CAPITAL IMPROVEMENT PROGRAM OVERVIEW**

The City of Fort Bragg's Five-Year Capital Improvement Program (CIP) outlines current and future infrastructure needs and capital funding priorities in the following areas: Municipal Facilities, Parks & Community Services, Street Maintenance & Traffic Safety, Storm Drains, Water Enterprise and Wastewater Enterprise. The CIP is an important planning tool that identifies and prioritizes all major capital projects in the City and identifies funding sources and deficiencies.

In general, the CIP provides funding for infrastructure construction and non-routine maintenance, while funding for routine infrastructure maintenance is appropriated in the operating budget and in other special revenue funds. CIP projects, including streets, buildings, recreational facilities, and parks are defined as assets with an initial individual cost of at least \$50k and an estimated useful life of greater than two years. Acquisitions of other capital assets (such as machinery, furniture, and vehicles) are generally accounted for in the fund that is responsible for financing each expenditure. Cost estimates are prepared for each capital project using current year dollars. It should be noted that, although the cost estimates include consultant costs where anticipated, they do not include in-house staff salary costs for permitting, design, inspection or management services.

The CIP shows detailed expenditures and funding for capital projects over the next five years, covering FY 2016/17 through FY 2020/21. "Prior Year" funding for projects which span multiple years is also shown. The CIP also includes a "Beyond CIP" category that recognizes the importance of planning for future significant capital projects beyond the five-year CIP timeframe.

The projects planned for FY 2016/17 include expenditures that will be appropriated through the FY 2016/17 Budget adoption process. Projected expenditures shown for FY 2016/17 through FY 2020/21 and Beyond CIP are provided primarily for project planning and long-range financial planning purposes and do not reflect a commitment of funds. Expenditure approval will be sought for these projects during the appropriate fiscal year.

The CIP is comprised of 31 projects with a total cost of nearly \$30 million. For FY 2016/17, nine projects totaling approximately \$2.6 million are recommended for appropriation. The four most important projects are: the Street Resurfacing/Repair Project (\$1.5 million), Alley Rehabilitation (\$300,000), City Hall & East City Hall projects (\$312,000), and Guest House renovations (\$270,000). Future CIPs will include: the Wastewater Treatment Plant Upgrade, a four phase, multi-year raw water line replacement program, and an overhaul of the water treatment plant.

The CIP is organized as follows:

1. FY 2015/16 Capital Projects Status Report
2. FY 2016/17 Capital Projects & Appropriations
3. FY 2016/17 & Beyond Capital Projects
4. FY 2016-2021 Five Year Capital Improvement Program – Expenditures by Category
5. FY 2016-2021 Five Year Capital Improvement Program – Expenditures by Source

## FY 2015/16 CAPITAL PROJECTS STATUS REPORT

The following projects and appropriations were adopted in the FY 2015/16 Capital Projects Budget:

<b>Project Name</b>	<b>Project cost</b>	<b>Prior Year(s)</b>	<b>FY 15/16 ADOPTED</b>
Emergency Fueling Station	\$ 75,000	\$ -	\$ 75,000
Guest House Rehabilitation	450,000	-	250,000
<b>Total Municipal Facilities</b>			<b>325,000</b>
Coastal Restoration & Trail Project	6,303,008	5,203,008	1,100,000
Chestnut Street Multi Use Trail	1,009,000	16,000	100,000
<b>Total Parks &amp; Community Services</b>			<b>1,200,000</b>
SRTS Cycle 3, Non Infrastructure	20,000	2,228	17,712
Annual Alley Rehab	300,000	-	300,000
Downtown Crosswalk Rehab	50,000	-	50,000
Street Resurfacing & Structural Repairs	1,500,000	-	1,500,000
<b>Total Street Maint. &amp; Traffic Safety</b>			<b>1,867,712</b>
Green (LID) Alleys Project	643,379	349,379	294,000
<b>Total Storm Drains</b>			<b>294,000</b>
Summers Lane Reservoir Construction	2,052,251	187,251	1,865,000
Raw Water Line Replacement Phase I (Waterfall Gulch)*	535,000	535,000	(195,000)
<b>Total Water Enterprise</b>			<b>1,670,000</b>
WW Treatment Facility Upgrade- Activated Sludge	10,000,000	793,000	-
<b>Total Wastewater Enterprise</b>			<b>-</b>
<b>Total FY 2015/16 Capital Projects</b>			<b>\$ 5,356,712</b>

\*The negative amount for Raw Water Line, Phase I is an outstanding adjustment for a change in the funding match amount

The following FY 2015/16 capital projects have been completed:

- Raw Water Line Replacement, Phase 1 (Waterfall gulch)
- Green (LID) Alleys Project
- Safe Routes to Schools – Cycle 3, Non Infrastructure
- Coastal Restoration and Trail Project, Phase 1
- Emergency Fueling Station.

The status of the FY 2015/16 capital projects that are still in progress is as follows:

- **Guest House Rehabilitation:** The Guest House was donated to the City of Fort Bragg in 1985 and only minimal improvements to the exterior of the structure have been undertaken since that time. The building needs a new roof, repairs to the shingles, and a fresh coat of paint. Rehabilitation of the existing brick foundation and chimneys is also needed. The 2012 Guest House Master Plan recommends other upgrades as well, including: upgrade of windows for ultraviolet light protection, improved pedestrian facilities, and updated exterior signage and lighting. This project will be phased over two fiscal years and cost \$450k with the roof and siding repair occurring in FY 2015/16 at an expected cost of \$180k and the foundation work and repainting occurring in FY 2016/17.

- **Chestnut Street Multi Use Trail:** The City completed a community planning process for the conceptual design of the trail and solicited proposals for the design and engineering of the improvements. It is anticipated that construction will commence in FY 2016/17. The total cost of the project is expected to be \$1 million and is funded by a \$750k Caltrans federal grant, and a \$259k Caltrans Active Transportation Program (ATP) grant. The remaining funds will be spent on construction in FY 2016/17.
- **Alley Rehabilitation Project:** The City did not complete an alley rehabilitation project in FY 2015/16. This will be consolidated into one project. Design and construction will be undertaken in FY 2016/17. Now that funding for alley rehabilitation is available from the special sales tax for Street Repairs, the City plans to rehab an average of two alley blocks each year.
- **Summers Lane Reservoir:** This project has an estimated cost of \$1.86 million and will provide 45 acre-feet of raw water storage and greatly improve the reliability of the City's water system. Approximately 2,500 feet of raw water transmission line in the vicinity of the new reservoir site will also be replaced. The water stored at the reservoir will come from the Waterfall Gulch water source. Construction of the reservoir began in May 2016 and filling of the reservoir is expected to commence in July 2016. This project is anticipated to be completed at the end of FY 2016/17.
- **Waste Water Treatment Facility Upgrade Project:** A Request for Proposals for design and engineering of the project was distributed in early 2015 and a contract was awarded in the amount of \$750k. Design is expected to be completed in early FY 2016/17. Staff is seeking grants and other low cost financing for construction. The total cost of this project is expected to be \$10 million of which \$9,207,000 is currently estimated for construction and related costs.

The following capital projects and appropriations are proposed for inclusion in the FY 2016/17 Capital Projects Budget:

### FY 2016/17 CAPITAL PROJECTS & APPROPRIATIONS

Project Name	Project cost	Prior Year(s)	FY 16/17 Proposed
Guest House Rehabilitation	\$ 450,000	\$ 180,000	\$ 270,000
City Hall Maintenance - Painting & Deferred Maintenance	277,000	-	185,000
East City Hall - Structural & Pool Bldg Stabilization	337,000	-	127,000
<b>Total Municipal Facilities</b>			<b>582,000</b>
Coastal Restoration & Trail Project - Phase 2	1,375,000	25,231	50,000
Bainbridge Park Improvements	75,000	-	75,000
<b>Total Parks &amp; Community Services</b>			<b>125,000</b>
Chestnut Street Multi Use Trail	1,009,000	1,009,000	-
Annual Alley Rehab *	300,000	-	300,000
Downtown Crosswalk Rehab	50,000	-	50,000
Street Resurfacing & Structural Repairs *	1,500,000	-	1,500,000
<b>Total Street Maint. &amp; Traffic Safety</b>			<b>1,850,000</b>
Summers Lane Reservoir Construction	1,865,000	1,865,000	-
New Groundwater Production Wells	66,000	-	66,000
<b>Total Water Enterprise</b>			<b>66,000</b>
WW Treatment Facility Upgrade	10,000,000	793,000	-
<b>Total Wastewater Enterprise</b>			<b>-</b>
<b>Total FY 2016/17 Capital Projects</b>			<b>\$ 2,623,000</b>

In addition to the projects which are carried forward from FY 2015/16, the following new Capital Projects are included in the FY 2016/17 Capital Projects Budget:

- Guest House Rehabilitation - \$450,000:** The Guest House was donated to the City of Fort Bragg in 1985. Since that time, there have been minimal improvements to the exterior of the structure and there are a number of items that are increasingly requiring attention. Roof shingles have been coming loose creating leaks inside the building. Repairs to solve immediate problems have been made, but the entire Guest House needs a new roof. A roof repair project will be undertaken during FY 2015/16 for an estimated cost of \$180,000. The next portion of rehabilitation is proposed to be done in FY 2016/17. This work will include siding repairs and related carpentry, painting, and foundation improvements. The estimated cost for all these tasks is \$270,000.
- City Hall Maintenance-Painting & Deferred Maintenance - \$185,000:** As an important historic asset of our community, the Fort Bragg City Hall requires regular and timely maintenance. It has been over 10 years since the building was checked to ensure that it is weather-tight and since it has been fully repainted. Spot painting has been done in the interim, but the building is ready for a thorough cleaning, repair and painting of its exterior. A painting project as well as various deferred maintenance work will be performed in FY 2015/16 for which \$180,000 has been obligated. In FY 2016/17, \$270,000 will go towards the upgrade of the front doors to the current standards of the Americans with Disabilities Act (ADA), installation of an electric vehicle charging station and a new roof.
- City Hall East, Structural & Pool Building Stabilization - \$337,000:** In 2010, Indigo Hammond + Playle Architects in association with Point 2 Structural Engineers produced the "Structural and Use Study of City Hall East." Various recommendations were made to repair parts of the gymnasium and the old indoor pool. The first priority is to save the structure if feasible. Substantial structural repairs are

necessary to accomplish this. The loft/mezzanine structures should be removed. The gymnasium needs some structural work as well. Long-term mechanical and engineering improvements will need to be considered. For FY 2016/17, the following work is planned: the roof for the entire City Hall East complex is to be replaced at an estimated cost of \$127,000. In addition, initial stabilization of the old pool building is proposed at an estimated cost of \$210,000. Further rehabilitation work is estimated to cost about \$330,000 and is presently beyond the current five-year CIP.

- **Coastal Trail, Phase 2- Central Connector Trails - \$1,375,000:** This project will connect the northern and southern portions of the Coastal Trail within Noyo Headlands Park. An approximately 1.1 mile multi-use trail loop will be built around the mill pond area. A gravel side trail is anticipated to also connect the north and south trails across the beach berm. Access will be extended to downtown from the new loop trail to the west end of Alder Street. The beach at Soldier Bay will be reached by new stairs. Drainage will be upgraded to include bio-infiltration techniques. The design of the improvements is underway in FY 2015/16 and will continue at a cost of \$50,000 in FY 2016/17. Construction is pending the securing of funding.
- **Bainbridge Park Improvements - \$75,000:** This has developed as a collaborative project between Police, Community Development, and Public Works departments to restore the “family friendly” environment at Bainbridge Park. This project will use Community Development Block Grant (CDBG) program income as it becomes available. After a series of public meetings and workshops, a Bainbridge Park master plan was developed. Improvements include: a pavilion, additional fencing/gates, replacement of trees and landscaping, a “story walk”, petanque courts, tennis court upgrades and basketball court expansion.
- **Annual Alley Rehab - \$300,000:** Within the City of Fort Bragg, nearly every block is bisected with a 20-foot wide alley which is also City right of way and requires maintenance. The alleys make up approximately an additional seven miles of public right of way that was never constructed to the same level as street surfaces, but are increasingly utilized for access to secondary dwellings and businesses. Up to four alleys are planned to be repaired in FY 2016/17: “Starbuck’s” alley, “Sear’s” alley, “Portuguese Hall” alley, and a residential alley. This project will be financed by the special sales tax for street and alley repairs.
- **Downtown Crosswalk Rehab (thermoplastic) - \$50,000:** Replacing downtown painted crosswalks with those made of thermoplastic will reduce the long-term maintenance expenses of these street markings. In turn, safety of the pedestrians using these crosswalks will be improved. This project may be consolidated with a larger street project for economy of scale.
- **Street Resurfacing & Structural Repairs - \$1,500,000:** This project will be financed by the special sales tax for street and alley repairs. Previous projects have been performing very well and staff is optimistic that this program will give added life to many streets for years to come. The 2013 Pavement Management System Update was used as a primary guide after accounting for street rehabilitation work already completed. The current priorities are: N. Sanderson Street, S. Franklin Street, and Boatyard Drive. Repairs are scheduled for FY 2016/17.
- **New Groundwater Production Wells - \$66,000:** In response to the unprecedented drought conditions experienced in 2015, new sources of raw water are being pursued. Among these sources is the development of new groundwater wells. Two locations have been identified for installation of test wells: next to the raw water ponds at the City’s water treatment facility and the City’s pump station near the CV Starr Center. Test wells will be drilled to confirm production flows and perform water quality tests. If the water is suitable, it will be added to the City’s water system.

## CAPITAL PROJECTS - FY 2016/17 & BEYOND

The following projects are included in the Five-Year CIP, but funding is not appropriated for these projects in the FY 2016/17 Capital Projects Budget:

### MUNICIPAL FACILITIES

- **Main Street Fire Station Rehab - \$1,950,000** In March 2007, the City completed a Public Facilities Master Plan to evaluate all City structures. As a part of the master plan, a preliminary structural analysis of the Main Street Fire Station was completed, with findings and recommendations incorporated into the report. This analysis identified numerous deficiencies in the Fire Station and the risk of structural damage in the event of a major earthquake. The report identified that making necessary seismic upgrades to the north wing would cost about \$175 per square foot; the south wing would cost about \$50 per square foot and, for the newer middle section costs would be about \$20 per square foot. As a follow up to the Facilities Master Plan, the City secured a Community Development Block Grant to complete a more extensive evaluation of the structure and foundation to better identify structural fixes to bring the building to current standards. I.L. Welty and Associates completed the structural review and provided recommendations as well as estimates for repair. This work was completed in March 2009 and includes recommendations and estimates. Under a separate contract with I.L. Welty & Associates, the Fire JPA has authorized preparation of plans and specifications for construction of Fire Station improvements as outlined within the master plan and follow up structural evaluation. This project is presently beyond the current five year CIP.
- **Hwy 20 Fire Station - \$500,000:** The City of Fort Bragg owns property at the northeast corner of State Hwy 20 and Babcock Lane that contains a 300,000 gallon water storage tank, and a large storage facility that houses fire equipment for the Fire Joint Powers Authority. Old structures have been replaced. The site has City water service. City sewer service from the Old Willits Road has not been extended to this location yet. The remaining goal is to construct an apartment and extend sewer service to the area. This project is presently beyond the current five year CIP.
- **Rule 20A (utility undergrounding) - \$1,100,000:** California Public Utilities Commission (PUC) Rule 20A creates a fund that can be used by local agencies to underground aerial and surface utility infrastructure. Previously, City Council has considered area(s) in the southern commercial area of town as a candidate(s) for utility undergrounding. In general, allocating funds and completing the undergrounding is an approximately two to three year process. Rule 20A projects are best utilized by combining them with a street project to underground utilities before street improvements are undertaken. By the end of 2015, Rule 20A funds available to the City should amount to about \$1,100,000. This project is presently beyond the current five year CIP.

### STREET MAINTENANCE & TRAFFIC FACILITIES

- **South Main Street Bicycle & Pedestrian Improvements - \$800,000:** Install modified curb returns, pedestrian ramps, and median island(s) for pedestrian crossing on the west side of the intersection of N. Noyo Point Rd and State Route 1. Install new curb gutter and sidewalk along the westerly side of State Route 1 from N. Noyo Point Road to existing facilities in the vicinity of Oak St. This would include fencing, signage and striping as necessary.

### WATER ENTERPRISE

- **Raw Water Line Replacement:** Previously, this was a series of projects under a combination of names, descriptions, and project numbers. These have been consolidated into one overall project broken into five phases that are similar in scope to the original designations. Please see the included sketch for a depiction of where these phases are. In addition, one portion of the raw water replacement project has been incorporated into the Summers Lane Reservoir project.

The City of Fort Bragg receives water from three sources: Waterfall Gulch, Newman Gulch, and the Noyo River. The raw water from Waterfall Gulch and Newman Gulch gravity flows through a transmission system of PVC, old asbestos cement, ductile iron and steel pipe. Much of this raw water transmission line has been in place for decades and has reached a point that failures are more and more common. Public Works personnel are called on to repair breaks on a more frequent basis. With the exception of the Noyo River pump station, the other two water sources are largely free water (i.e., no pumping costs associated with transmitting the water to the Water Treatment Facility), these sources are among the purest available to the City. Therefore, it is essential that the transmission line remains operational. Replacement of the entire length of the Raw Water Transmission line is warranted, and is projected to be undertaken in five phases. The phases are described in more detail below:

**Phase II - \$250,000**, The next portion and most inaccessible alignment is replacement of approximately 1100 lineal feet of asbestos cement (AC) line from State Forest Road 450 to Hare Creek. Cost estimate for construction portion of this section is estimated at \$175,000.

**Phase III - \$430,000**, This section is the line that runs from Covington Gulch (Hare Creek) to Hwy 20. The pipe is located in a more stable terrain, is buried and not as susceptible to damage as the sections that have trestles or contain steel pipe. This section would require replacement of approximately 2500 lineal feet of AC pipe.

**Phase IV - \$658,000**, This is the raw water transmission line running between Newman Reservoir and the Noyo River crossing. This phase will be more closely evaluated to better coordinate it with the Summers Lane Reservoir project.

**Phase V - \$825,000**, This is the raw water transmission line running between the Noyo River crossing and the Water Treatment ponds just north of Sherwood Road. As with phase IV, this phase will be more closely evaluated to better coordinate it with the Summers Lane Reservoir project

- **Cedar St Water Distribution Line Replacement - \$420,000:** The City of Fort Bragg has two water transmission lines from the Water Treatment storage tanks that provide water for the entire City. A 20-inch water line runs south from the tanks to Sherwood Road, then west along Sherwood Road/Oak Street to feed the City. The second line runs off of the transmission line to Sherwood Road/Oak Street on the City Water treatment facility site then northeast across private property to Cedar Street. City mapping indicates that the 8 inch transmission line feeding the City from Cedar Street runs directly from the tanks to Cedar Street, Public Works personnel located the line as part of the Water Treatment Plant improvements and traced it across private property. Staff has been unable to locate any easement for the pipe's current location, and the property owner has asked staff when the City plans to move the line, as the current location impacts any future development of the site. Staff has made no commitments at this time for any removal or relocation of the water main, and will be conducting additional investigations to determine the options available. This project could consist of relocation of the distribution line onto City property and then into public right of way; securing an easement for leaving the line in the current location or securing an easement and relocating the line when the private property develops. The cost of this project will depend on the final option developed and the amount of materials required and the distance traveled. Funding for this project has yet to be identified, but will be directed through the Water Enterprise fund.
- **East Fort Bragg Pressure Zone (EFBPZ), Ph 1 - \$525,000, Ph 2 - \$320,000, Ph 3 - \$560,000:** The three phases of this capital project are intended to increase the service levels within the water pressure zone serving a portion of east Fort Bragg. The most significant use for this service enhancement was planned for Fort Bragg High School., Fort Bragg Unified School District (FBUSD) originally intended to share in the cost of this project Since the original proposal was made, the school district has reprioritized its expenditures and cannot participate in the costs at this time. This project has been moved to the "Beyond CIP" category.
- **Water Treatment Plant Overhaul, Ph 1 - \$840,000, Ph 2 - \$500,000:** For the past 30 years our 2 Microfloc Trident 420c units have clarified and filtered the City's water. In 1998 the filter media was replaced and in 2006 clarifier media was added. The units are worn and are in need of rehabilitation to bring them up to current operating standards. Over the years Microfloc has made several improvements to the design, making them more efficient and achieving better filtration, as well as conserving water. Items included in this overhaul are: increase the filter to waste pipe size (this will allow filters to stay in compliance during operational problems), replace filter media, replace-upgrade filter underdrain, filter



wash system, replace clarifier media, replace air manifold, water inlet headers, and sandblast and paint the units.

## **WASTE WATER ENTERPRISE**

- **Waste Water Treatment Plant (WWTP) Upgrade Project - \$10,000,000:** The Wastewater Treatment Plant (WWTP) Upgrade Project will provide a major updating of Fort Bragg's 40 year old wastewater treatment facility. While repairs and upgrades have been performed over the years, much of the WWTP's equipment is reaching the end of a normal 25-30 year service life. Key parts of the project include: (1) Replacing the existing trickling filters with an activated sludge system, (2) Re-purposing the clarifiers into emergency/surge storage, (3) Increased system redundancy, (4) On-site treatment of storm water. In addition to the conversion of waste water treatment to an activated sludge system, the design will include: high levels of energy efficiency, alternate energy sources to power the treatment train, and alternate use of treated effluents as well as sludge. Design will be complete in June 2016. The project will then be ready for bidding. Funding is being pursued for the construction of this project.. Construction could begin as early as 2017 and is projected to take up to two.
- **Sanderson Way Sewer Main Replacement, Oak to Cedar - \$775,000:** The main sewer line running north/south on N. Sanderson Way between Oak and Cedar Streets is in need of replacement. Not only does the line have high inflow and infiltration (I&I), but it has areas of high grease build up and is undersized for the area being serviced. When the line was originally installed, there was limited development east of Sanderson Way, but since that additional development has tied into the existing main line. The line currently runs at full capacity much of the time and continues to be a maintenance issue for public works personnel. This project will consist of designing a new main line sewer utilizing either a 10" or 12" main line to replace the existing 6" running between the manhole at Oak Street on the south to the manhole in Cedar Street to the north, and connecting and replacing all laterals within the right of way. This will address both the I&I issues as well as capacity issues.

## FY 2016/17 TO FY 2020/21 PROJECTS BY CATEGORY

## FY 2016/17 TO FY 20/21 PROJECTS BY CATEGORY

FY 2016-2020 CAPITAL IMPROVEMENT PROGRAM BY CATEGORY										
Project Number	Project Category/Name	Prior FY(s)	FY 16/17 Budget	FY 17/18 Projected	FY 18/19 Projected	FY 19/20 Projected	FY 20/21 Projected	5 year Project Total	Beyond CIP	Grand Total
<b>MUNICIPAL FACILITIES</b>										
PWP-00094	Guest House Rehabilitation	180,000	270,000					270,000	-	270,000
PWP-00095	City Hall Maintenance - Painting & Deferred Maint.		185,000	32,000	60,000			277,000	-	277,000
PWP-00102	East City Hall, Structural & Pool Bldg Stabilization	-	127,000	160,000	-	50,000		337,000	330,000	667,000
N/A	Main St Fire Station Rehab	-						-	1,950,000	1,950,000
N/A	Highway 20 Fire Station	-						-	500,000	500,000
N/A	Rule 20 Project (undergrounding utilities)	-						-	1,100,000	1,100,000
	<b>Total Municipal Facilities</b>	<b>190,673</b>	<b>582,000</b>	<b>192,000</b>	<b>60,000</b>	<b>50,000</b>	<b>-</b>	<b>884,000</b>	<b>3,880,000</b>	<b>4,764,000</b>
<b>PARKS &amp; COMMUNITY SERVICES</b>										
CDD-00020	Coastal Restoration & Trail Project Phase 1 (North & South)	6,045,000	-					-	-	-
CDD-00020	Coastal Trail Project - Phase 2 (central segment)	25,231	50,000	125,000	1,174,769			1,349,769	-	1,349,769
PWP-00096	Bainbridge Park Improvements		75,000					75,000	-	75,000
	<b>Total Parks &amp; Community Services</b>	<b>6,070,231</b>	<b>125,000</b>	<b>125,000</b>	<b>1,174,769</b>	<b>-</b>	<b>-</b>	<b>1,424,769</b>	<b>-</b>	<b>1,424,769</b>
<b>STREET MAINTENANCE &amp; TRAFFIC SAFETY</b>										
PWP-00097	Annual Alley Rehab (Street Sales Tax)		300,000	300,000	300,000	300,000	300,000	1,500,000		1,500,000
PWP-00099	Downtown Crosswalk Rehab (in thermoplastic)		50,000					50,000		50,000
PWP-00100	Street Resurfacing & Structural Repairs		1,500,000		1,500,000		1,500,000	4,500,000		4,500,000
PWP-00079	Chestnut Street Multi Use Trail	1,009,000						-		-
PWP-00101	South Main St Bike & Ped Improvements							-	800,000	800,000
	<b>Total Street Maint. &amp; Traffic Safety</b>	<b>1,009,000</b>	<b>1,850,000</b>	<b>300,000</b>	<b>1,800,000</b>	<b>300,000</b>	<b>1,800,000</b>	<b>6,050,000</b>	<b>800,000</b>	<b>6,850,000</b>
<b>WATER ENTERPRISE</b>										
PWP-00017	Summers Lane Reservoir Construction	1,865,000						-		-
PWP-00093	Emergency Fueling Station	5,336						-		-
	New Groundwater Production Wells		66,000					66,000		66,000
	Raw Water Line Replacement: Phase II - Road 450 to Hare Creek			250,000				250,000		250,000
	Raw Water Line Replacement: Phase III - Hare Creek to SR 20				430,000			430,000		430,000
	Raw Water Line Replacement: Phase IV - Newman to Noyo					658,000		658,000		658,000
	Raw Water Line Replacement: Phase V - Noyo to Water Treatment Facility						825,000	825,000		825,000
	Cedar Street Water Distribution Line Replacement			420,000				420,000		420,000
WTR-00012	East FB Pressure Zone (EFPZ), Phase 1							-	525,000	525,000
N/A	EFBPZ - Phase 2							-	320,000	320,000
N/A	EFBPZ - Phase 3							-	560,000	560,000
PWP-00092	Water Treatment Plant Overhaul, Ph 1				840,000			840,000		840,000
	Water Treatment Plant Overhaul, Ph 2					500,000		500,000		500,000
	<b>Total Water Enterprise</b>	<b>1,870,336</b>	<b>66,000</b>	<b>670,000</b>	<b>1,270,000</b>	<b>1,158,000</b>	<b>825,000</b>	<b>3,989,000</b>	<b>1,405,000</b>	<b>5,394,000</b>
<b>WASTEWATER ENTERPRISE</b>										
PWP-00093	Emergency Fueling Station	5,336						-		-
PWP-00092	WW Treatment Facility Upgrade- Activated Sludge	793,000	-	9,207,000				9,207,000	-	9,207,000
WWP-00011	Sanderson Way Sewer Main Replacement - Oak to Cedar				775,000			775,000		775,000
	<b>Total Wastewater Enterprise</b>	<b>798,336</b>	<b>-</b>	<b>9,207,000</b>	<b>775,000</b>	<b>-</b>	<b>-</b>	<b>9,982,000</b>	<b>-</b>	<b>9,982,000</b>
		<b>\$ 9,938,576</b>	<b>\$ 2,623,000</b>	<b>\$ 10,494,000</b>	<b>\$ 5,079,769</b>	<b>\$ 1,508,000</b>	<b>\$ 2,625,000</b>	<b>\$ 22,329,769</b>	<b>\$ 6,085,000</b>	<b>\$ 28,414,769</b>

## FY 2016/17 TO FY 20/21 PROJECTS BY FUNDING SOURCE

FY 2016-2020 CAPITAL IMPROVEMENT PROGRAM BY FUNDING SOURCE										
Project Number	Funding Source/ Project Name	Prior FY(s)	FY 16/17 Projected	FY 17/18 Projected	FY 18/19 Projected	FY 19/20 Projected	FY 20/21 Projected	Estimated 5 Year Total	Beyond CIP	Estimated Total
	<b>GENERAL FUND</b>									
	<b>FUNDS TRANSFERRED IN FROM ISF</b>									
PWP-00094	Guest House Rehabilitation	180,000	270,000					270,000		270,000
PWP-00095	City Hall - Painting & Defer Maint		185,000	32,000	60,000			277,000		277,000
PWP-00102	East City Hall, Structural & Pool Stabilize		127,000	160,000	-	50,000		337,000		337,000
	<b>Total General Fund</b>	<b>190,673</b>	<b>582,000</b>	<b>192,000</b>	<b>60,000</b>	<b>50,000</b>	<b>-</b>	<b>884,000</b>	<b>-</b>	<b>884,000</b>
	<b>GRANTS</b>									
PWP-00017	Summers Lane Reservoir Construction	700,000						-	-	-
CDD-00020	Coastal Restoration & Trail Project Ph 1	6,045,000						-	-	-
CDD-00020	Coastal Restoration & Trail Project Ph 2	25,231	50,000	125,000	249,769			424,769	-	424,769
N/A	Rule 20 Project (undergrounding utilities)							-	1,100,000	1,100,000
PWP-00079	Chestnut Street Multi Use Trail	1,009,000						-	-	-
PWP-00096	Bainbridge Park Improvements		75,000					75,000	-	75,000
	<b>Total Grants</b>	<b>7,779,231</b>	<b>125,000</b>	<b>125,000</b>	<b>249,769</b>	<b>-</b>	<b>-</b>	<b>499,769</b>	<b>1,100,000</b>	<b>1,599,769</b>
	<b>WATER ENTERPRISE</b>									
PWP-00093	Emergency Fueling Station	5,336						-		-
PWP-00017	Summers Lane Reservoir Construction	365,000						-		-
	New Groundwater Production Wells		66,000					66,000		66,000
	<b>WATER CAPACITY FEES</b>									
PWP-00017	Summers Lane Reservoir Construction	800,000						-		-
	<b>Total Water Revenue</b>	<b>1,170,336</b>	<b>66,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>66,000</b>	<b>-</b>	<b>66,000</b>
	<b>WASTEWATER ENTERPRISE</b>									
PWP-00093	Emergency Fueling Station	5,336						-		-
WWP-00010	WW Treatment Facility Upgrade- Activated Sludge	793,000						-		-
WWP-00011	Sanderson Way Sewer Main Replacement - Oak to Cedar				775,000			775,000		775,000
	<b>Total Wastewater Revenue</b>	<b>798,336</b>	<b>-</b>	<b>-</b>	<b>775,000</b>	<b>-</b>	<b>-</b>	<b>775,000</b>	<b>-</b>	<b>775,000</b>
	<b>STREET REPAIR SALES TAX</b>									
PWP-00100	Street Resurfacing & Structural Repairs		1,500,000		1,500,000		1,500,000	4,500,000		4,500,000
PWP-00097	Annual Alley Rehab (2)		300,000	300,000	300,000	300,000	300,000	1,500,000		1,500,000
PWP-00099	Downtown Crosswalk Rehab		50,000					50,000		50,000
	<b>Total Street Repair Tax</b>	<b>-</b>	<b>1,850,000</b>	<b>300,000</b>	<b>1,800,000</b>	<b>300,000</b>	<b>1,800,000</b>	<b>6,050,000</b>	<b>-</b>	<b>6,050,000</b>
	<b>UNIDENTIFIED FUNDING</b>									
	Cedar Street Water Distribution Line Replacement			420,000				420,000	-	420,000
PWP-00092	Water Treatment - Overhaul Phase 1				840,000			840,000	-	840,000
	Water Treatment - Overhaul Phase 2					500,000		500,000	-	500,000
	Raw Water Line Replacement - Phase II			250,000				250,000	-	250,000
	Raw Water Line Replacement - Phase III				430,000			430,000	-	430,000
	Raw Water Line Replacement - Phase IV					658,000		658,000	-	658,000
	Raw Water Line Replacement - Phase V						825,000	825,000	-	825,000
WTR-00012	Water - East FB Pressure Zone - Phase 1 Improvements							-	525,000	525,000
N/A	Water - EFBPZ - Phase 2							-	320,000	320,000
N/A	Water - EFBPZ - Phase 3							-	560,000	560,000
N/A	Main St Fire Station Rehab							-	1,950,000	1,950,000
N/A	Hwy 20 Fire Station							-	500,000	500,000
PWP-00102	East City Hall, Structural							-	330,000	330,000
CDD-00020	Coastal Restoration & Trail Project Ph 2				925,000			925,000	-	925,000
PWP-00101	S. Main St Bike & Ped Improvements							-	800,000	800,000
PWP-00092	WW Treatment Facility Upgrade- Activated Sludge			9,207,000				9,207,000	-	9,207,000
	<b>Total Unidentified Funding</b>	<b>-</b>	<b>-</b>	<b>670,000</b>	<b>2,195,000</b>	<b>1,158,000</b>	<b>825,000</b>	<b>14,055,000</b>	<b>4,985,000</b>	<b>19,040,000</b>
	<b>TOTALS</b>	<b>\$ 9,938,576</b>	<b>\$ 2,623,000</b>	<b>\$ 1,287,000</b>	<b>\$ 5,079,769</b>	<b>\$ 1,508,000</b>	<b>\$ 2,625,000</b>	<b>\$ 22,329,769</b>	<b>\$ 6,085,000</b>	<b>\$ 28,414,769</b>



