

# Council Study Session

August 20, 2018

**Title:** Public Work's Budget: Year 1 Review, Year 2 Planning and Execution, Future Forecasting

**Item Type:** Interactive / Informational

**Requested by Council?** Yes

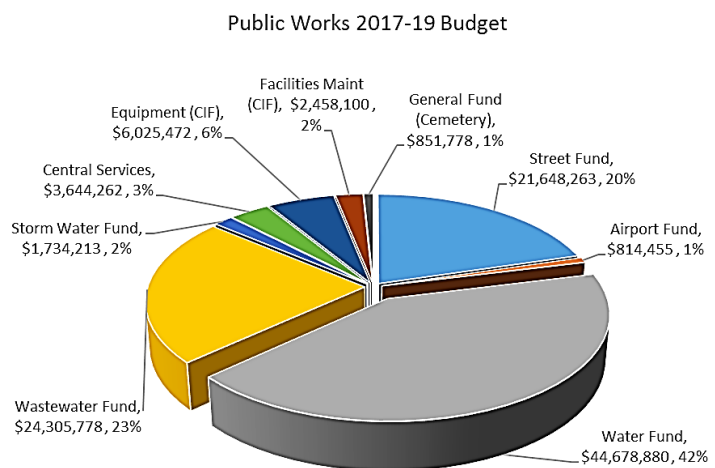
**From:** Paula C. Brown, PE                      Public Works Director  
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## Discussion Questions:

Does the City Council or its Budget Committee have questions or concerns regarding Public Works staff's approach to using master plans as the basis for budgeting and program execution?

## Resource Requirements:

Overall, the Public Works 2017-19 biennium budget (BN) is more than adequately funded. Each capital improvement project has been approved and has a funding mechanism in place. Cost details are shown on the attached Capital Improvement Plan (CIP) spreadsheet, which was also included in the budget document. At this time, there are no funding changes that have not already been brought to Council for approval. There will be significant carry forward into the next BN (2019-21) as construction continues on many projects.



## Suggested Next Steps:

Staff requests your questions and comments to prepare for the next budget biennium and to ensure your fiscal intent is met.

## Policies, Plans and Goals Supported:

*City Council:*

21. *be proactive in using best practices in infrastructure management and modernization*

Department Goals:

- Maintain existing infrastructure to meet regulatory requirements and minimize life-cycle costs
- Deliver timely life cycle capital improvement projects
- Maintain and improve infrastructure that enhances the economic vitality of the community
- Evaluate all city infrastructure regarding planning management and financial resources

## Background and Additional Information:

Public Works is comprised of enterprise funds (water, wastewater, streets, storm drain, and airport), facilities maintenance (funded through central services), cemetery (general fund) and central service administration that includes the engineering, GIS and equipment acquisition.

Operations and capital projects are included in each division's budget. Public Works budgets are developed in large part by system master plans. Master plans help to refine service levels that define staffing levels, long range operational and infrastructure needs and costs, which in turn specify the requirements for rates and fees. Most of the capital improvement projects are a result of individual master plans that help inform the state and status of the City's infrastructure. Staff's role is to validate those master plans, ensure adequate revenue, coordinate priorities and workload requirements across multiple divisions and funds.

Of the \$106 million public work's budget over the 2017-19 biennium, approximately 38% or \$40.5 million is set aside for capital projects. The City distinguishes capital projects from general maintenance expenses. Capital projects are typically for new construction, expansion, major renovations, replacements, or projects that substantially increase the life of an asset. There are a total of 48 projects listed in the biennium budget; 28 listed CIP projects for year one (FY18) and another 20 projects for FY19. Many of the projects are scheduled over both years of the biennium and will continue into BN 2019-21.

### ***Year 1 Review***

FY 2017-18 was a year of analysis and prioritization. New leadership necessitated a pause on some projects, a full evaluation on others, as well as a detailed plan for project delivery. It was not a "business as usual" year. Council made a significant decision to construct a 7.5 million gallons per day (mgd) water treatment plant, reaffirmed the wastewater treatment plant focus on the impending temperature regulations (purchased the Hardesty property at the end of Oak Street) for wetland mitigation and the relocation of B Street Yard, and approved many design projects. The street division implemented intergovernmental agreements for street maintenance projects. Design began for the majority of the CIP projects and several other projects were completed.

### ***Year 2 Planning and Execution***

Staff anticipates completing the design phase and moving into or being very close to construction awards for the significant projects in the current BN. Year 2 will also sort out the priorities and begin the development of a 20-year CIP that will highlight three biennium budget cycles in detail and offer the remaining 14 years of projects and revenue planning. Staff is highly optimistic of having a detailed spend plan and being in construction for the majority of the planned projects.

### ***Future Forecasting***

Future forecasting will focus on compiling the prioritized execution plan for the 20-year CIP, developing realistic revenue projections, applying for grant funding applications and a 5-7 year cycle to complete master plans for all enterprise, facility and equipment acquisition divisions. Service level expectations will be managed along with staffing and workload priorities.

**Attachments:** BN 2017-19 CIP  
BN 2017-19 Public Work's Program Summary

**References:** [BN 2017-19](#); PW begins on page 2-57

# Capital Improvements Plan

Capital Improvements Plan							
Planned Expenditures During BN 2017-19 Years 1 and 2							
BUDGET							
Project Description	BN Capital			Planned Resources			
	BN 2017-19	BN 2017-19	Project Totals	Street SDC	Grants	Other	fees & rates
<b>Roadway</b>	<b>Yr 1</b>	<b>Yr 2</b>	<b>Project Totals</b>	<b>Street SDC</b>	<b>Grants</b>	<b>Other</b>	<b>fees &amp; rates</b>
Railroad Crossing Improvements; Hersey & Laurel	\$ 450,000	\$ -	\$ 450,000	\$ -	\$ 255,642	\$ -	\$ 194,358
Independent Way - Washington St to Tolman Creek Rd	\$ 1,590,000	\$ -	\$ 1,590,000	\$ 590,000	\$ -	\$ 1,000,000	\$ -
N Main Refuge Island	\$ 80,000	\$ -	\$ 80,000	\$ -	\$ -	\$ -	\$ 80,000
East Nevada Street Extension	\$ -	\$ 6,494,400	\$ 6,494,400	\$ 1,194,970	\$ 3,000,000	\$ -	\$ 2,299,430
Grandview Drive Improvements - Phase II	\$ -	\$ 350,000	\$ 350,000	\$ -	\$ -	\$ -	\$ 350,000
City Wide Chip Seal Project	\$ -	\$ 93,404	\$ 93,404	\$ -	\$ -	\$ -	\$ 93,404
<b>Subtotal Roadway</b>	<b>\$ 2,120,000</b>	<b>\$ 6,937,804</b>	<b>\$ 9,057,804</b>	<b>\$ 1,784,970</b>	<b>\$ 3,255,642</b>	<b>\$ 1,000,000</b>	<b>\$ 3,017,192</b>
<b>Street Improvements/Overlays per Pavement Management System</b>	<b>Yr 1</b>	<b>Yr 2</b>	<b>Project Totals</b>	<b>Street SDC</b>	<b>Grants</b>	<b>Other</b>	<b>fees &amp; rates</b>
Overlay/Partial Rebuild - N Mountain Ave - Hersey to I-5	\$ 840,000	\$ -	\$ 840,000	\$ -	\$ -	\$ -	\$ 840,000
Overlay - Wightman Street - Quincy to Siskiyou	\$ 225,000	\$ -	\$ 225,000	\$ -	\$ -	\$ -	\$ 225,000
Replay/Rebuild - Hersey St - N Main to N Mountain	\$ 1,000,000	\$ 3,000,000	\$ 4,000,000	\$ -	\$ -	\$ -	\$ 4,000,000
Overlay/Partial Refuild - N Mountain Ave - E Main to R/R Tracks	\$ -	\$ 200,000	\$ 200,000	\$ -	\$ -	\$ -	\$ 200,000
<b>Subtotal Street Improvements/Overlays</b>	<b>\$ 2,065,000</b>	<b>\$ 3,200,000</b>	<b>\$ 5,265,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,265,000</b>
<b>Sidewalk/Pedestrian</b>	<b>Yr 1</b>	<b>Yr 2</b>	<b>Project Totals</b>	<b>Street SDC</b>	<b>Grants</b>	<b>Other</b>	<b>fees &amp; rates</b>
Hersey Street - N Main Street to Oak Street (CMAQ)	\$ 250,000	\$ -	\$ 250,000	\$ 62,500	\$ -	\$ -	\$ 187,500
Downtown ADA Ramp Replacement	\$ 88,950	\$ -	\$ 88,950	\$ -	\$ 88,950	\$ -	\$ -
N Main Street RRFB Installation - Nursery Street & Van Ness Avenue	\$ 75,000	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ 75,000
Mountain Ave RRFB Installation - Fair Oaks Avenue	\$ -	\$ 40,000	\$ 40,000	\$ -	\$ -	\$ -	\$ 40,000
A Street - Oak Street to 100' west of 6th Street	\$ -	\$ 155,000	\$ 155,000	\$ 38,750	\$ -	\$ -	\$ 116,250
<b>Subtotal Sidewalk/Pedestrian</b>	<b>\$ 413,950</b>	<b>\$ 195,000</b>	<b>\$ 608,950</b>	<b>\$ 101,250</b>	<b>\$ 88,950</b>	<b>\$ -</b>	<b>\$ 418,750</b>
<b>Bicycle</b>			<b>Project Totals</b>	<b>Storm SDC</b>	<b>Grants</b>	<b>Other</b>	<b>fees &amp; rates</b>
Downtown Super Sharrows	\$ -	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ -	\$ 100,000
<b>Subtotal Bicycle</b>	<b>\$ -</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 100,000</b>
<b>TRANSPORTATION / LID</b>	<b>\$ 4,598,950</b>	<b>\$ 10,432,804</b>	<b>\$ 15,031,754</b>	<b>\$ 1,886,220</b>	<b>\$ 3,344,592</b>	<b>\$ 1,000,000</b>	<b>\$ 8,800,942</b>
<b>Airport</b>	<b>Yr 1</b>	<b>Yr 2</b>	<b>Project Totals</b>		<b>Grants</b>	<b>Other</b>	<b>fees &amp; rates</b>
Pavement Maintenance Program	\$ 20,000	\$ -	\$ 20,000		\$ 20,000	\$ -	\$ -
Entitlement Grant - Airport Improvements - Taxiway Rehabilitation (Environmental)	\$ -	\$ 222,000	\$ 222,000		\$ 222,000	\$ -	\$ -
<b>AIRPORT</b>	<b>\$ 20,000</b>	<b>\$ 222,000</b>	<b>\$ 242,000</b>	<b>\$ -</b>	<b>\$ 242,000</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Water Supply</b>	<b>Yr 1</b>	<b>Yr 2</b>	<b>Project Totals</b>	<b>Water SDC</b>	<b>Grants</b>	<b>Other</b>	<b>fees &amp; rates</b>
TID Canal Piping: Starlite to Terrace Street	\$ 788,000	\$ 664,000	\$ 1,452,000	\$ 1,452,000	\$ -	\$ -	\$ -
TID Terrace St Pump Station Improvements	\$ 650,000	\$ -	\$ 650,000	\$ -	\$ -	\$ -	\$ 650,000
Reeder Reservoir Access Road TMDL Compliance	\$ 116,000	\$ -	\$ 116,000	\$ 87,000	\$ -	\$ -	\$ 29,000
East & West Fork Transmission Line Rehabilitation	\$ 154,500	\$ 154,500	\$ 309,000	\$ -	\$ -	\$ -	\$ 309,000
Ashland Creek West Fork Bridge Construction	\$ -	\$ 129,000	\$ 129,000	\$ 96,750	\$ -	\$ -	\$ 32,250
Sediment TMDL in Reeder Reservoir	\$ -	\$ 120,000	\$ 120,000	\$ 90,000	\$ -	\$ -	\$ 30,000
<b>Subtotal Water Supply</b>	<b>\$ 1,708,500</b>	<b>\$ 1,067,500</b>	<b>\$ 2,776,000</b>	<b>\$ 1,725,750</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,050,250</b>
<b>Water Treatment &amp; Storage</b>	<b>Yr 1</b>	<b>Yr 2</b>	<b>Project Totals</b>	<b>Water SDC</b>	<b>Grants</b>	<b>Other</b>	<b>fees &amp; rates</b>
2.5 MGD Water Treatment Plant	\$ 1,194,000	\$ 13,731,000	\$ 14,925,000	\$ 1,492,500	\$ -	\$ -	\$ 13,432,500
2.6-MG Reservoir & Clearwell ("Crowson II")	\$ 891,000	\$ 7,490,000	\$ 8,381,000	\$ 838,100	\$ -	\$ -	\$ 7,542,900
Permanganate Feed Facility Study & Implementation	\$ 316,000	\$ -	\$ 316,000	\$ -	\$ -	\$ -	\$ 316,000
<b>Subtotal Treatment &amp; Storage</b>	<b>\$ 2,401,000</b>	<b>\$ 21,221,000</b>	<b>\$ 23,622,000</b>	<b>\$ 2,330,600</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 21,291,400</b>
<b>Water Distribution</b>	<b>Yr 1</b>	<b>Yr 2</b>	<b>Project Totals</b>	<b>Water SDC</b>	<b>Grants</b>	<b>Other</b>	<b>fees &amp; rates</b>
Park Estates Pump Station/Loop Road Reservoir Alternatives	\$ 637,000	\$ 1,967,000	\$ 2,604,000	\$ -	\$ -	\$ -	\$ 2,604,000
Granite Reservoir Valving	\$ 127,000	\$ -	\$ 127,000	\$ -	\$ -	\$ -	\$ 127,000
Radio Read Meter Program	\$ -	\$ 126,000	\$ 126,000	\$ -	\$ -	\$ -	\$ 126,000
<b>Subtotal Water Distribution</b>	<b>\$ 764,000</b>	<b>\$ 2,093,000</b>	<b>\$ 2,857,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,857,000</b>
<b>Water Mainline Projects</b>	<b>Yr 1</b>	<b>Yr 2</b>	<b>Project Totals</b>	<b>Water SDC</b>	<b>Grants</b>	<b>Other</b>	<b>fees &amp; rates</b>
Siskiyou Boulevard - Crowson Road South towards I-5 Exit 11	\$ 175,000	\$ -	\$ 175,000	\$ -	\$ -	\$ -	\$ 175,000
Oak Street - Nevada to Bear Creek Bridge	\$ 273,200	\$ -	\$ 273,200	\$ -	\$ -	\$ -	\$ 273,200
Grandview Drive - Skycrest Dr to Ditch Rd	\$ -	\$ 131,250	\$ 131,250	\$ -	\$ -	\$ -	\$ 131,250
Ivy Lane - Morton Street to west end of Ivy Lane	\$ -	\$ 357,000	\$ 357,000	\$ -	\$ -	\$ -	\$ 357,000
Ivy Lane - South Mountain to FH-16AD-038	\$ -	\$ 103,000	\$ 103,000	\$ -	\$ -	\$ -	\$ 103,000
A Street - 1st St to 6th St	\$ -	\$ 155,000	\$ 155,000	\$ -	\$ -	\$ -	\$ 155,000
Parker Street - Walker Ave to Lithia Way	\$ -	\$ 25,000	\$ 25,000	\$ -	\$ -	\$ -	\$ 25,000
Harmony Lane - Siskiyou Blvd to Lithia Way	\$ -	\$ 12,300	\$ 12,300	\$ -	\$ -	\$ -	\$ 12,300
Lit Way - Joy Avenue to Ray Lane	\$ -	\$ 6,200	\$ 6,200	\$ -	\$ -	\$ -	\$ 6,200
Ray Lane - Lithia Way to Joy Ave	\$ -	\$ 6,200	\$ 6,200	\$ -	\$ -	\$ -	\$ 6,200
<b>Subtotal Mainline Projects</b>	<b>\$ 448,200</b>	<b>\$ 795,950</b>	<b>\$ 1,244,150</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,244,150</b>
<b>WATER</b>	<b>\$ 5,321,700</b>	<b>\$ 25,177,450</b>	<b>\$ 30,499,150</b>	<b>\$ 4,056,350</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 26,442,800</b>

Capital Improvements Plan							
Planned Expenditures During BN 2017-19 Years 1 and 2							
BUDGET							
Project Description	BN 2017-19	BN 2017-19	BN Capital Project Totals	Planned Resources			
<b>WASTEWATER</b>							
<b>Wastewater Treatment Plant</b>	Yr 1	Yr 2	Project Totals	Sewer SDC	Grants	Other	fees & rates
Outfall Relocation / Fish Screen	\$ 330,000	\$ 330,000	\$ 660,000	\$ 99,000	\$ -	\$ -	\$ 561,000
Shading (Capital Cost + first 6 years of O&M)	\$ 631,000	\$ 631,000	\$ 1,262,000	\$ 189,300	\$ -	\$ -	\$ 1,072,700
Oxidation Ditch Shell	\$ 2,510,000	\$ 2,510,000	\$ 5,020,000	\$ 1,957,800	\$ -	\$ -	\$ 3,062,200
RAS Pump Replacement	\$ -	\$ 122,000	\$ 122,000	\$ 24,400	\$ -	\$ -	\$ 97,600
<b>Subtotal Treatment Plant</b>	<b>\$ 3,471,000</b>	<b>\$ 3,593,000</b>	<b>\$ 7,064,000</b>	<b>\$ 2,270,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 4,793,500</b>
<b>Wastewater Collection System</b>	Yr 1	Yr 2	Project Totals	Sewer SDC	Grants	Other	fees & rates
Wastewater Line Upsizing - 18" & 24" Parallel Trunkline along Bear Creek	\$ 712,000	\$ 712,000	\$ 1,424,000	\$ 996,800	\$ -	\$ -	\$ 427,200
Wastewater Line Replacement; 15" Main - Mountain Avenue	\$ -	\$ 141,000	\$ 141,000	\$ 35,250	\$ -	\$ -	\$ 105,750
Grandview Pump Station Replacement	\$ 375,000	\$ -	\$ 375,000	\$ -	\$ -	\$ -	\$ 375,000
Wastewater Line Replacement; 15" Main - A Street	\$ 150,000	\$ 450,000	\$ 600,000	\$ 60,000	\$ -	\$ -	\$ 540,000
<b>Subtotal Collection System</b>	<b>\$ 1,237,000</b>	<b>\$ 1,303,000</b>	<b>\$ 2,540,000</b>	<b>\$ 1,092,050</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,447,950</b>
<b>WASTEWATER</b>	<b>\$ 4,708,000</b>	<b>\$ 4,896,000</b>	<b>\$ 9,604,000</b>	<b>\$ 3,362,550</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 6,241,450</b>
<b>Storm Drain</b>	Yr 1	Yr 2	Project Totals	Storm SDC	Grants	Other	fees & rates
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>STORM DRAIN</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>ADMINISTRATION - City Facilities</b>	Yr 1	Yr 2	Project Totals		Grants	Other	fees & rates
City Facility Upgrades & Maintenance	\$ 177,500	\$ 177,500	\$ 355,000		\$ -	\$ -	\$ 355,000
<b>ADMINISTRATION - FACILITIES</b>	<b>\$ 177,500</b>	<b>\$ 177,500</b>	<b>\$ 355,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 355,000</b>
<b>ELECTRIC DEPARTMENT</b>	Yr 1	Yr 2	Project Totals		Grants	Other	fees & rates
Install New Services & Infrastructure: Cost include new transformers, switch cabinets, poles and conductors to service new development	\$ 300,000	\$ 300,000	\$ 600,000				\$ 600,000
Electric Utility Upgrades: Cost for repairs and replacement of aging infrastructure identified during routine inspections	\$ 100,000	\$ 100,000	\$ 200,000				\$ 200,000
SCADA Improvements, Routine Maintenance, Liscensing and Upgrades	\$ 7,000	\$ 32,000	\$ 39,000				\$ 39,000
MAS Design Review and Purchase Study: feasibility for City ownership, valuation of substation, and ROI	\$ 55,000	\$ -	\$ 55,000				\$ 55,000
New Distribution Buss at Ashland Substation	\$ -	\$ -	\$ -				\$ -
Purchase of Mountain Ave Substation	\$ -	\$ -	\$ -				\$ -
Mountain Ave and Ashland Substation Interite Engineering Study and Benefit Analysis	\$ -	\$ 75,000	\$ 75,000				\$ 75,000
<b>ELECTRIC</b>	<b>\$ 462,000</b>	<b>\$ 507,000</b>	<b>\$ 969,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 969,000</b>
<b>TELECOMMUNICATIONS &amp; INFO TECH</b>	Yr 1	Yr 2	Project Totals		Grants	Other	fees & rates
Expand Fiber Plant from 16 to 24 Node Groups	\$ 50,000	\$ 50,000	\$ 100,000				\$ 100,000
Fiber and Cable Plant Maintenance	\$ 5,000	\$ 5,000	\$ 10,000				\$ 10,000
Fiber and Cable Plant Installation	\$ 20,000	\$ 20,000	\$ 40,000				\$ 40,000
Data Center Server Capacity Growth (Virtualization)	\$ 22,500	\$ 20,000	\$ 42,500			\$ 42,500	\$ -
<b>TELECOMMUNICATIONS</b>	<b>\$ 97,500</b>	<b>\$ 95,000</b>	<b>\$ 192,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 42,500</b>	<b>\$ 150,000</b>
<b>PARKS &amp; RECREATION</b>	Yr 1	Yr 2	Project Totals	Parks SDC	Grants	F&B	Bonds
Repair Perozzi Fountain	\$ -	\$ 70,000	\$ 70,000			\$ 70,000	\$ -
Daniel Meyer Pool - Rebuild and Cover	\$ 3,250,000	\$ -	\$ 3,250,000				\$ 3,250,000
North Mountain Park Nature Play Area	\$ 15,000	\$ 150,000	\$ 165,000		\$ 150,000	\$ 15,000	\$ -
Calle Guanajuato Improvements (Bond Repayment)	\$ 40,000	\$ 40,000	\$ 80,000			\$ 80,000	\$ -
Ashland Creek Park Development Phase II construction	\$ -	\$ 35,000	\$ 35,000			\$ 35,000	\$ -
Garfield Park Water Play Replacement (Bond Repayment)	\$ 100,000	\$ 100,000	\$ 200,000			\$ 200,000	\$ -
Resurface/Reclaim Tennis and Pickleball Courts	\$ 27,500	\$ 27,500	\$ 55,000			\$ 55,000	\$ -
Lithia Park Master Plan	\$ 230,000	\$ -	\$ 230,000			\$ 230,000	\$ -
Winburn Way Sidewalk	\$ 25,000	\$ -	\$ 25,000			\$ 25,000	\$ -
Second Dog Park Construction	\$ 265,000	\$ -	\$ 265,000			\$ 265,000	\$ -
YMCA Park Replacement	\$ 750,000	\$ -	\$ 750,000		\$ 750,000	\$ -	\$ -
Master Plan for Park Shop/yard areas; Dog parks; Skateboard Park	\$ -	\$ 75,000	\$ 75,000			\$ 75,000	\$ -
Oak Knoll Improvements (Irrigation)	\$ 35,000	\$ 35,000	\$ 70,000			\$ 70,000	\$ -
Trails and Open Space Comp Plan Update	\$ 30,000	\$ -	\$ 30,000			\$ 30,000	\$ -
Restoration of Beach Creek below Pedestrian Bridge	\$ 75,000	\$ -	\$ 75,000			\$ 75,000	\$ -
Land Acquisition	\$ 915,000	\$ 900,000	\$ 1,815,000	\$ 375,000	\$ 1,275,000	\$ 165,000	\$ -
Project Manager	\$ 60,000	\$ 60,000	\$ 120,000			\$ 120,000	\$ -
<b>PARKS &amp; RECREATION</b>	<b>\$ 5,817,500</b>	<b>\$ 1,492,500</b>	<b>\$ 7,310,000</b>	<b>\$ 375,000</b>	<b>\$ 2,175,000</b>	<b>\$ 1,510,000</b>	<b>\$ 3,250,000</b>
<b>TOTAL BN 2017-19 CIP</b>	<b>\$ 21,203,150</b>	<b>\$ 42,900,254</b>	<b>\$ 64,103,404</b>	<b>\$ 9,680,120</b>	<b>\$ 5,761,592</b>	<b>\$ 2,552,500</b>	<b>\$ 46,109,192</b>

# BN 2017-19 Public Works Program Summary

August 2018

## Year 1 End (2017-18)

- Enterprise Funds (operations)
  - Water – tested TAP to full capacity
  - Wastewater and Storm Drain crews – working on I&I (Inflow & Infiltration)
  - Streets – Intergovernmental Agreement with Jackson County to prepare streets for future overlays and rebuilds
- Facilities – Keeping up with immediate facilities repairs
- Airport – airport master plan update started
- Cemetery (general Fund) – great crew support to all divisions when needed
- Equipment (maintenance and acquisition)
  - Majority of the equipment has been contracted for purchase; delivery over BN
  - Using the statewide purchasing agreements
- Engineering / Project Management (central services)
  - Project management activities increased significantly due to project load (see below)
  - Transportation SDC evaluation
  - Began Transit Feasibility Study
- Capital Improvements – did not spend what was budgeted, but have a plan to do so...
  - Water
    - Council made the decision to change course and go with a 7.5 mgd plant
    - Ashland Canal (TID) Piping in design stages
    - Terrace Street and Park Estates Pump Stations – in construction
  - Wastewater
    - Outfall Relocation in pre-design and permitting phase
    - Temperature Trading / Shading Plan accepted by DEQ
    - Purchased the Hardesty Property (wetlands on about 55% of the land area)
    - Grandview Lift (Pump) Station construction **complete**
  - Streets
    - Hersey Sidewalks (ODOT CMAQ funded) **complete**
    - Hersey Street Reconstruction in design (on time)
    - Nearing completion of design for Independent Way; permitting includes other state agencies
    - N Mountain Ave overlays: must incorporate ADA ramps into design
    - Removed the E. Nevada Street Bridge from the fiscally constrained plan and from any work this biennium (will look at it with the TSP Update)
  - Storm Drain
    - Storm Water Master Plan is moving along – staff will collect significant amounts of data to improve the modeling (may delay the completion 4-6 weeks)
  - Facilities
    - Band Shell Repairs and Improvements – **complete**
    - Pioneer Hall – initial architectural and engineering evaluation complete
    - Gun Club Wetlands Mitigation (close to complete)
    - City Hall options – council decision to move forward on 3 concepts
    - Police generator - **complete**
    - Pioneer Parking Lot wall – nearing design completion; construction in October

## Year 2 Look Ahead (2018-19)

- Enterprise Funds (operations)
  - No major staffing or operational management changes in this upcoming year
  - Water
    - planning for the new water treatment plant and scaling back major projects at the current plant
    - conservation efforts this summer (2018) and hopefully not having to plan for more extensive curtailment as we go into 2019
  - Wastewater
    - DEQ NPDES Permit renewal and some changes in testing protocols; should not impact budget
    - Aging infrastructure and equipment – have had motors and similar pieces of equipment fail. Will assess plant needs with Oxidation Ditch design.
    - Replace the RAS pumps
    - Collection crews completed preliminary work on the Mountain Ave mainline connection and will complete the work in ball fields as Park's schedule allows.
  - Streets
    - Continue work with County for chip seal and striping
    - Define in-house work capabilities and what should go out to contract
  - Storm Drain
    - Complete stormwater master plan and define projects and funding options
    - Sediment trap dredging (in conjunction with street crew) Beach Creek
- Facilities
  - Under funded for needed repairs and improvements; Completing necessary projects
  - Costs for janitorial have increased (QRF contract)
  - Utilizing smoke filters (summer) – no funds for air handling unit improvements
- Airport
  - Complete tree trimming in the fall
  - Complete the Airport Master Plan and schedule the taxiway rehab (likely pushed into BN 2019-21).
- Cemetery (general Fund)
  - TID water assessment for irrigation
- Equipment (maintenance and acquisition)
  - Final vehicle purchases
- Engineering / Project Management (central services)
  - Hire approved project manager position (August 2018)
  - Completed TSDC evaluation (Street fund) and cursory WW SDCs (WW collections fund)
  - Complete Transit Feasibility Study
  - Execute the approved ODOT TGM Grant for Downtown revitalization
  - Hosler Dam and FERC requirements – Part 12D / PMFA (split with electric fund)
  - Submit Safe Routes to School Grant(s)
- Capital Improvements
  - Water
    - Complete preliminary design for the 7.5 mgd plant (and begin final design). Incorporate Granite reservoir /TAP pumping requirements.
    - Complete the Water Master Plan as well. This will build the future CIP.
    - Complete design of the East/West (E/W) Forks Transmission Line Rehab/Replacement. Schedule improvements. Construction for both the Reeder Reservoir Access Road and Ashland Creek West Fork Bridge will be scheduled with the work on the E/W Forks
    - Complete construction on the two water line projects (Siskiyou from Crowson to I-5 and Oak from Nevada to Bear Creek bridge)

- Complete Ashland Canal design and costing. Council will review and act on the next phase for final design and construction. Construction likely not to begin until the fall of 2020.
- Waterline Replacement A Street (1<sup>st</sup> to 6<sup>th</sup>) start design – push construction to BN 2019-21. Coordinate with other departments (design of sewer mainline, evaluate storm drain lines and street overlay).
- Waterline replacement Grandview Drive (Skycrest to Ditch Road)
- Evaluate the smaller projects in current BN for prioritization; Harmony, Parker, Lit and Ray Lane. These will be in-house projects.
- o Wastewater
  - DEQ will begin the NPDES Permit Renewal which will allow us to actually construct the Outfall, 3<sup>rd</sup> Oxidation Ditch and Wetlands projects (likely not until BN 2019-21)
  - Outfall Relocation in design. Discussed coordination with Parks. Will have a public meeting in October.
  - Will begin the Trading Partnership in August and develop projects and potential temperature “credits”
  - Oxidation Ditch Design Request for Qualifications (RFQ) will go out this fall.
  - Wetlands RFQ will likely wait for final DEQ permit; design in BN 2019-21.
  - Reviewing the Collections System master plan and will conduct I&I testing to verify replacement needs.
- o Streets
  - Independent Way; working permitting details now and will finalize design. Received ODOT funding approval for \$1.09M. Construction bids in late spring 2019.
  - Hersey Street – anticipate construction to start in late spring 2019. Tracking to stay within the planned budget. Hersey/Laurel railroad crossing improvements will be incorporated into the construction bid.
  - N Mountain Ave – overlay and rebuild (Hersey to I-5 and E. Main to Railroad tracks); completing pre-utility work and finalizing design for construction bidding in the spring. Will also look at the section in between (Hersey to railroad tracks).
  - Overlay Wightman (Quincy to Siskiyou)
  - Several smaller projects waiting for ODOT approval and will go to construction in spring/early summer: N Main Refuge, ADA Ramp replacement Oak and Lithia Way, Lithia and 3<sup>rd</sup>); install flashing beacons on N. Main at Nursery and Van Ness; super sharrows downtown
  - Grandview Phase 2; design from Ditch Road to Scenic
  - ODOT CMAQ Chip Seal – fully managed by ODOT- only half the funding: should be in design in the spring and construction in fall 2019
  - Sidewalk – submit safe routes to school grants (2 bundles)
  - Construct sidewalk project East and North Main and Plaza
- o Storm Drain
  - Complete the master plan and develop projects and funding options
- o Facilities
  - Complete gun club wetlands mitigation (CIS funded)
  - Construction Pioneer Parking Lot wall – October
  - RFS for use of Pioneer Hall (contract/lease option)
  - Community Development / Engineering Building roof replacement
  - Facilities conditions index and internal assessments

## And Beyond

- Enterprise Funds (operations) – define service level expectations and impacts to rates and fees
- Engineering / Project Management (central services) – teaming (and succession)
  - GIS and Cartegraph
  - More linkage with operations
  - Analyze and define Long Term Funding (revenues, debt service)
  - Service levels, cost of service and ensuring rates and fees cover project costs and debt
  - Master Plans
    - 2018-19 Updates: Water (2012), Storm Drain (2000), Airport (2005), Transit
    - 2019-21 Planned Updates: Transportation (2012), Facilities (2008)
    - 2021-22 Planned Updates: Wastewater (2012)
- Capital Improvements – developing a 20 year plan. With the 20 year plan define expectations: what are our in-house capabilities (design) and work load (construction) vs what must be contracted.
  - Water
    - Complete final design and schedule construction for the 7.5 mgd plant
    - Plan for significant Hosler Dam work and sediment removal (sediment removal work shown in BN 2017-19 will not be completed)
    - Evaluate the use of TID for City customers as a primary source for yard irrigation
  - Wastewater
    - Complete large capital projects (outfall, wetlands, oxidation ditch)
    - Operation and maintenance costs for shading and temperature credits
    - Operationalize existing plant and update individual assets
    - Composting
  - Streets
    - Downtown Parking Plan and management (based on ODOT TGM Grant)
    - Downtown expectations (daily/weekly sidewalk maintenance, tree replacements, landscaping and how to pay for that), other “beautification” projects, etc.
    - Sidewalk – safe routes to school grants and other options for bike projects
    - TSP Update and incorporate transit feasibility analysis
  - Storm Drain
    - Develop project financing program
  - Facilities
    - Master plan and funding recommendations
    - City hall decision and funding options
    - EOC Funding plan
  - Airport
    - AIP projects and grant funding
    - Hanger reversions and hanger income review
  - Equipment (maintenance and acquisition)
    - Ensure departments understand and provide input for vehicle needs
    - Continue to assess electric and alternative fuel vehicles (including trucks)
    - Assess staff needs
  - Cemetery (general Fund)
    - TID water rights transfer
    - Long term utilization of Trust Fund for cemetery maintenance program (irrigation, grave stone cleaning, etc.)