

Monthly Report

Fiscal Year 2017-2018 November 2017



MONTHLY REPORT

November 2017 ISSUE 26

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Financial Impact Review: Review by Finance Director, Sharon Wojda, determined no significant change to previously published financial information at this time. Future budget adjustments may be needed for projects with significant changes in scope and schedule, but estimates are unknown at this time.

Operational Impact Review: Review by Utility Director, Paul Rheault, determined operational impacts are in line with achieving greater efficiency in our systems.

CAPITAL IMPROVEMENT PROGRAM in BRIEF

year take a look below...

The ideal time to contract for the upcoming construction season is now, duringg the slower winter months. Page 2 details the heavy lift facing the CIP as we start preparing for the spring and summer construction.

How have the numbers changed since the CIP was adopted in June?

	Baseline	Now
TOTAL PROJECTS	75	83
ACTIVE PROJECTS	45	55
BUDGET	\$57.4 M	\$64.3 M

How much of the 2018 fiscal year budgets have been **spent** so far?

- OR -

of the total adjusted budgeted

The budget increased \$6.9 million, which reduced the overall percent spent this fiscal year, as year end budget rollovers were applied to projects.

Of the projects that are active this fiscal year, what phase are they in now in the overall project life cycle?

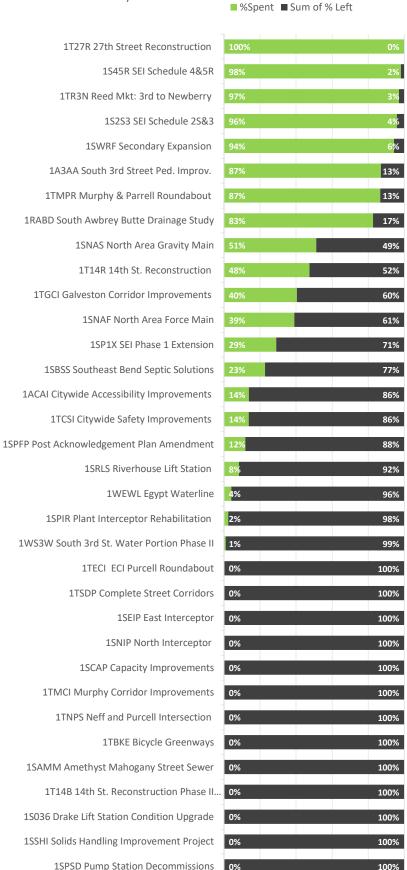


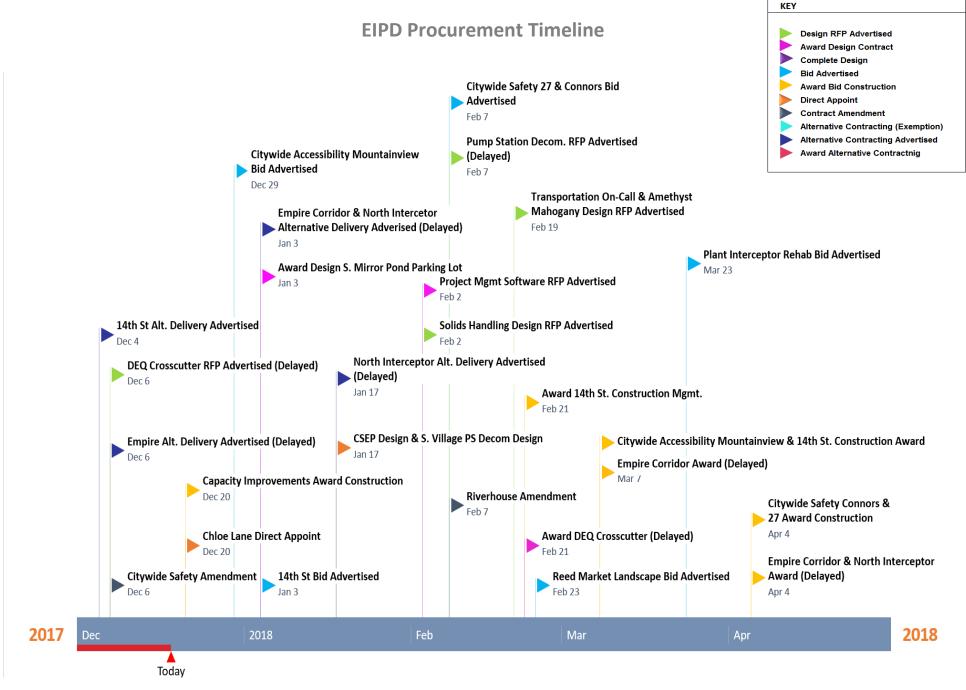
The number of active projects jumped with the addition of six sub-projects on the Empire Corridor Improvements project. See page 7 of the report for detials.

Reporting Period: Nov. 1-30

For a quick summary of the 2018 fiscal SPENDING ON ACTIVE PROJECTS

Total percentage of budgets spent over the lifespan of the project for projects that are active in fiscal year 2018.





Information provided for forecasting purposes only and subject to change without prior notice.

	City of Bend 2018 - 2022 Capital Improvement Program Project List														
Project Name & Number	Major Project	Project Manager & Team Member(s)	Projected Start	Estimated Completion	Current Phase	Total Project Cost Estimate	Spent to Date	2017-18 Budgeted	2018-19 Budgeted	2019-20 Projected	2020-21 Projected	2021-22 Projected	Total 2018-22 CIP Budgeted	Budget Notes & Revisions	Percent Total Cost Est. Spent
Transportation 1A3AA South 3rd Street Pedestrian Improvements	1X3RD	Suhr, Burr	2011	Jul 2017	Sub. Complete	815,000	749,461	15,000	-	-		-	15,000		92%
1XCAI Citywide Accessibility Improvement Program	IXSKD	Julii, Buli	2011	Jul 2017	Sub. Complete	813,000	749,401	13,000				_	13,000		9270
1ACAI Citywide Accessibility Improvements	1XCAI	Rowan	2016	Sep 2018	Construction	1,156,000	538,540	957,000					957,000		
Dean Swift Road Corridor	1XCAI	Rowan	2018	Sep 2018	Initiated	150,000	-	337,000	150,000				150,000		
NE Division Street Corridor	1XCAI	Rowan	2018	Sep 2018	Design	500,000	-		500,000				500,000		
Lodge Pole Drive Corridor	1XCAI	Rowan	2019	Dec 2019	Design	315,000	-		300,000	315,000			315,000		
Poplar Street Corridor	1XCAI	Rowan	2019	Jun 2020	Design	250,000	-			250,000			250,000		
SW Truman Hill Taft Silver Lake Corridor	1XCAI	Rowan	2020	Jun 2020	Design	440,000	-			230,000	440,000		440,000		
SW Cleveland Avenue Corridor	1XCAI	Rowan	2020	Jun 2021	Design	190,000	-				190,000		190,000		
NW Delaware Avenue Corridor	1XCAI	Rowan	2021	Dec 2021	Design	500,000	_				130,000	500,000	500,000		
NW Hill Street Corridor	1XCAI	Rowan	2021	Jun 2022	Design	250,000	-					250,000	250,000		
NW Seismore Street Corridor	1XCAI	Rowan	2021	Jun 2022	Design	125,000	-					125,000	125,000		
1ACAI Citywide Accessibility Improvements					2 20.8.	3,876,000	538,540	957,000	650,000	565,000	630,000	875,000	3,677,000	6	14%
1T14R 14th St. Reconstruction †	1XGOB	Sabourin	2016	Oct 2017	Design	6,195,000	1,112,066	4,745,873	150,000	-	-	-	4,895,873	2	18%
1T14B 14th St. Reconstruction Schedule B Newport to Galveston †		Sabourin	2017	Oct 2018	Initiated	2,600,000	-	-	1,300,000	1,300,000	_	_	2,600,000		0%
1TCSI Citywide Safety Improvements		Rowan	2016	Sep 2018	Construction	3,535,000	488,299	2,340,600	775,000	-	_	_	3,115,600	3	14%
1TGCI Galveston Corridor Improvements †		Sabourin	2011	Oct 2017	Design	950,000	384,649	565,000	-	_	_	_	565,000	4	40%
1TBKE Bicycle Greenways		Rowan	2018	May 2018	Planning	900,000	-	225,000	225,000	225,000	225,000	_	900,000		0%
1TMPR Murphy & Parrell Roundabout		Sabourin	2015	May 2020	Sub. Complete	2,952,600	2,562,595	50,000	5,000	5,000		_	60,000	1	87%
1TNPS Neff and Purcell Intersection		Rowan	2016	May 2021	Pending	4,000,000	-	50,000	350,000	300,000	3,300,000	_	4,000,000		0%
1TPWP Powers & Brookswood Roundabout Phase II	1XGOB	Sabourin	2017	Oct 2017	Complete	50,000	_	50,000	-	_	_	_	50,000		0%
1XECI Empire Corridor Improvements Program		Franklet, Burr	2018	Mar 2018	Initiated	15,630,000	12,635	500,000	3,465,000	5,665,000	3,000,000	3,000,000	15,630,000		0%
1TMCI Murphy Corridor Improvements		Franklet	2018	Mar 2018	Pending	10,000,000	· -	500,000	1,500,000	2,000,000	3,000,000	3,000,000	10,000,000		0%
1TSDP Complete Street Corridors		Rowan	2017	Oct 2020	Pending	801,000	965	200,000	600,000		_		800,000		0%
1T27R 27th Street Reconstruction	1XGOB	Sabourin	2017	Dec 2017	Sub. Complete	1,000,000	1,000,000	379,598	-	-	_	-	379,598	13	100%
1TR3N Reed Mkt: 3rd to Newberry	1XGOB	Sabourin	2012	Oct 2018	Sub. Complete	13,804,664	13,409,553	180,000	16,000	-	-	-	196,000	5	97%
Total Transportation Projects						67,109,264	20,258,764	10,758,071	9,036,000	10,060,000	10,155,000	6,875,000	46,884,071		
Stormwater			 					· · ·					<u> </u>		
1RMP1 Stormwater Master Plan Update		Martin	2020	Jun 2018	Pending	500,000	-	-	500,000	-	-	-	500,000		0%
1RABD South Awbrey Butte Drainage Study		Sabourin	2016	Oct 2017	Planning	285,000	235,800	109,700	-	_	_	-	109,700		83%
1RNPR Newport Pipe Replacement Design		Sabourin	2018	Jun 2019	Pending	442,000	-	-	442,000	_	_	-	442,000		0%
1RFGU Franklin & Greenwood Underpass		Sabourin	2021	Jun 2022	Pending	5,620,000	-	-	-	_	120,000	600,000	720,000		0%
1RRMC Roosevelt & McKinley		Martin	2020	Jun 2022	Pending	579,000	-	-	-	_	104,000	475,000	579,000		0%
Total Stormwater Projects						6,926,000	235,800	109,700	942,000	-	224,000	1,075,000	2,350,700		
Water															
1WAWP Awbrey Well Supply Expansion		Martin	2020	Jun 2019	Pending	2,021,760	-		-	2,021,760	-	-	2,021,760		0%
1WCPS College Parallel Pipe Study		Martin	2020	Jun 2019	Pending	1,215,760	_	_	_	1,215,760	_	_	1,215,760		0%
1WEWL Egypt Waterline		Forster, Webster	2012	Dec 2017	Construction	771,000	31,255	590,000	-	-,215,700	_	_	590,000		4%
1WLPE Lafayette Pipe Enlargement		Martin	2020	Jun 2019	Pending	250,640	-	-	_	250,640	_	_	250,640		0%
1WMP1 Water Master Plan Update		Martin	2017	Dec 2017	Initiated	550,000	-	550,000	_	-	_	_	550,000		0%
1WRBO Parallel Piping Rock Bluff to Brookswood		Martin	2022	Jun 2022	Pending	2,940,000	_	-	_	_	_	2,940,000	2,940,000		0%
1WS3W South 3rd St. Water Portion Phase 2	1X3RD	Suhr	2016	Jun 2018	Design	632,000	6,437	550,000	_	_	_	_,5 10,550	550,000		1%
1WSDC Water SDC Methodology Study	1//3/(0	Ockner	2017	Dec 2017	Complete	60,578	578	60,000	_	_	_	_	60,000		1%
1WSPP Parallel Piping Brookswood to Brosterhaus		Martin	2021	Jun 2021	Pending	1,596,400	-	-	_	_	1,596,400	_	1,596,400		0%
1WSSC New Water Well Near NE Shirley Court		Martin	2021	Jun 2021	Pending	2,830,464	_	_	_	_	2,830,464	_	2,830,464		0%
1WSWO New Water Well Shilloh Site		Martin	2022	Jun 2022	Pending	2,721,600	_	_	_	_	-	2,721,600	2,721,600		0%
1WVSS Valves Operational System Study		Martin	2022	Jun 2022	Pending	234,000	-	_	-	78,000	78,000	78,000	234,000		0%
Total Water Projects			2020	Juli 2022	Tending	15,824,202	38,270	1,750,000		3,566,160	4,504,864	5,739,600	15,560,624		270
Total Water Projects		<u> </u>				13,027,202	30,270	1,730,000		3,300,100	7,307,004	3,733,000	13,300,024		

	City of Bend 2018 - 2022 Capital Improvement Program Project List														
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Water Reclamation															
1XSEI Southeast Interceptor Projects															
1SP1X SEI Phase 1 Extension	1XSEI	Forster, MacClanahan	2016	Dec 2017	Construction	10,500,000	3,047,764	9,749,560	-	-	-	-	9,749,560	9	29%
1S2S3 SEI Schedule 2S&3*	1XSEI	Forster, MacClanahan	2017	Dec 2017	Construction	31,466,250	30,229,235	11,715,000	-	-	-	-	11,715,000		96%
1S45R SEI Schedule 4&5R	1XSEI	Forster	2014	Dec 2016	Sub. Complete	12,500,000	12,280,443	3,000,000	-	-	-	-	3,000,000		
1XSEI Southeast Interceptor						54,466,250	45,557,442	24,464,560	-	-	-	-	24,464,560		84%
1XNAS North Area Sewer Projects															
1SNAF North Area Force Main*	1XNAS	Franklet, Burr, Murray	2017	Jun 2018	Construction	4,450,000	1,719,405	3,419,433	-	-	-	-	3,419,433	7	39%
1SNAS North Area Gravity Main	1XNAS	Franklet, Burr, Murray	2017	Jun 2018	Construction	3,855,000	1,974,549	2,740,672	-	-	-	-	2,740,672	8	51%
1SRLS Riverhouse Lift Station Hydraulic Upgrade	1XNAS	Franklet, Burr, Murray	2016	Jun 2017	Construction	555,000	46,355	516,870	-	-	-	-	516,870	10	8%
1XNAS North Area Sewer Projects						8,860,000	3,740,309	6,676,975	-	-	-	-	6,676,975		42%
1XWRF Water Reclamation Facility Projects															
1SCAP WRF Capacity Improvements	1XWRF	Robertson	2017	Jun 2018	Initiated	8,000,000	214	7,998,000	-	-	-	-	7,998,000		0%
1SSHI Solids Handling Improvement Project	1XWRF	Robertson	2019	Jun 2022	Initiated	5,500,000	-	250,000	250,000	2,500,000	2,500,000	-	5,500,000		0%
1SHWK Headworks	1XWRF	Robertson	2018	Jun 2019	Pending	1,000,000	-	-	1,000,000	-	-	-	1,000,000		0%
1SFPU Facilities Plan Update	1XWRF	Robertson	2018	Jun 2019	Pending	500,000	-	-	-	500,000	-	-	500,000		0%
1SSFU Support Facilities Upgrade	1XWRF		2019	Jun 2021	Pending	2,500,000	-	-	-	1,250,000	1,250,000	-	2,500,000		0%
1XWRF Water Reclamation Facility Projects						17,500,000	214	8,248,000	1,250,000	4,250,000	3,750,000	-	17,498,000		0%
1SPSD Pump Station Decommissions Program						27,000,000	==:	3,2 .3,000	2,255,555	.,_55,555	3), 33),333		27,150,000		970
#6A Tri-Peaks	1SPSD	Murray, Forster	2017	Jun 2019	Planning	250,000	-	30,000	220,000	-	-	-	250,000		0%
#13A+B Crown Villa #1	1SPSD	Murray, Forster	2017	Jun 2019	Planning	200,000	-	20,000	180,000	_	_	_	200,000		0%
#14A+B Crown Villa #2	1SPSD	Murray, Forster	2017	Jun 2019	Planning	200,000	_	20,000	180,000	_			200,000		0%
#15 Murphy	1SPSD	Murray, Forster	2017	Jun 2019	Design	150,000	_	15,000	135,000	_	_	_	150,000		0%
#16A+B Quail Ridge #2	1SPSD	Murray, Forster	2017	Jun 2019	Planning			10,000	90,000		-	-			0%
#17A+B Ridgewater #1	1SPSD	Murray, Forster	2017	Jun 2019 Jun 2018	Construction	100,000 100,000		100,000	90,000	-	-	-	100,000		100%
				Jun 2018 Jun 2018			-		-	-	-	-	100,000		
#18A+B Bridges at Shadow Glen	1SPSD	Murray, Forster	2017		Construction	100,000	-	100,000	100,000	-	-	-	100,000		100%
#19A+B South Village	1SPSD	Murray, Forster	2017	Jun 2019	Planning	200,000	-	20,000	180,000	-	-	-	200,000		0%
#20A+B Sun Meadow	1SPSD	Murray, Forster	2017	Jun 2019	Design	100,000	-	10,000	90,000	-	-	-	100,000		0%
#90A+B Quail Ridge #1		Murray, Forster	2017	Jun 2019	Planning	100,000	-	10,000	90,000	-	-	-	100,000		0%
Nottingham PS Connection to SEI	1SPSD	Murray, Forster	2017	Jun 2019	Planning	15,000	-	15,000	-	-	-	-	15,000		0%
1SPSD Pump Station Decommissions Projects						1,515,000	-	350,000	1,165,000	-	-	-	1,515,000		0%
1SWRF Secondary Expansion		Robertson	2008	Jun 2019	Sub. Complete	43,798,454	41,357,740	1,744,300	1,000,000	-	-	-	2,744,300		94%
1SPIR Plant Interceptor Rehabilitation		Suhr, Martin	2015	Dec 2018	Design	10,700,000	256,884	5,150,000	5,515,000	-	-	-	10,665,000		2%
1SBSS Southeast Bend Septic Solutions		Martin	2017	Jun 2019	Design	2,800,000	638,337	1,150,000	800,000	-	-	-	1,950,000		23%
1SEIP East Interceptor		Franklet	2017	Jun 2019	Planning	21,000,000	13,770	1,000,000	1,000,000	-	-	-	2,000,000		0%
1SNIP North Interceptor		Franklet	2017	Dec 2021	Planning	23,000,000	13,839	1,000,000	1,000,000	7,000,000	7,000,000	7,000,000	23,000,000		0%
1S036 Drake Lift Station Condition Upgrade		Robertson	2017	Dec 2018	Initiated	2,000,000	-	1,000,000	1,000,000	-	-	-	2,000,000		0%
1SPSO Parallel Sewer on Olney Avenue		Robertson	2018	Jun 2018	Pending	605,000	-	605,000	-	-	-	-	605,000		0%
1SAMM Amethyst Mahogany Street Sewer		Forster	2019	Dec 2019	Pending	2,500,000	-	250,000	1,000,000	1,250,000	-	-	2,500,000		0%
1SOC1 Odor Control Master Plan		Martin	2019	Jun 2020	Pending	1,050,000	-	-	-	1,050,000	-	-	1,050,000		0%
1SSLA Sewer Storage - Land Acquisition		Forster	2019	Jun 2020	Pending	730,000	-	-	-	730,000	-	-	730,000		0%
1SPIC Plant Interceptor Condition Assessment		Forster	2019	Jun 2020	Pending	630,000	-	-	-	630,000	-	-	630,000		0%
1SMP1 Collection System Master Plan (Years 6-10)		Franklet	2019	Jun 2020	Pending	750,000	-	-	-	750,000	-	-	750,000		0%
1SGPA Gravity Pipe Condition Assessment		Forster	2020	Jun 2021	Pending	2,000,000				200,000	200,000	200,000	600,000		0%
Total Water Reclamation Projects						193,904,704	91,578,535	51,638,835	13,730,000	15,860,000	10,950,000	7,200,000	99,378,835		
Total 2017-2020 Capital Improvement Program						283,764,170	112,111,369	64,256,606	23,708,000	29,486,160	25,833,864	20,889,600	164,174,230		
Budget Notes and Revisions															

† Tied to other projects 1- \$40,000 FYE Rollover 4- \$45,000 FYE Rollover 7- \$1,719,433 FYE Rollover 10- \$116,870 FYE Rollover 13- \$379,598 FYE Rollo

Phase 2 - S. 3rd Street Improvements

Phase 2 projects are capital improvement projects and address maintenance issues. The timing is being driven to occur in advance of the street preservation work within 3rd Street that is planned for the summer of 2017. Due to the impacts to the 3rd Street roadway, it is imperative that they occur prior to the grind and inlay preservation work.



Scope	Schedule	Cost		
Includes design and construction for streets, water, and stormwater. This work will include an analysis of the drainage basin to assess the condition of the existing stormwater facilities; creation of a striping and paving plan; replace existing 2-inch sub-standard waterlines with 8-inch pipelines.	Start Date: 10/1/2015 Substantial Completion: 1/31/2018 Final Closeout: 1/31/2018 • Stormwater portion complete • Streets portion complete	Total Estimated: Spent to Date: Spent to Estimated: Sub-Projects: Est. Water \$632,000 Stormwater \$5,000 Streets \$30,000	\$667,000 \$28,961 4% <u>Spent</u> \$6,437 \$6,150 \$16,104	
Status: Scope Reduction	Status: On Schedule	Status: Budget Reduction Anticipated		
Adjustments: Construction portion of this project removed	Adjustments: No change from prior month	Adjustments: Budget reduction due to reduction in scope		

Status Update: 100% design of the waterline portion will be complete in January. Project deprioritized and will be removed from the CIP until a future date. This is the final month the project will be included in the monthly report.



Citywide Accessibility Improvements

Through the help of dedicated volunteers on the City of Bend Accessibility Advisory Committee (COBAAC) and the Central Oregon Coalition for Access (COCA), key corridors and neighborhoods across the city have been prioritized for accessibility improvements. This project will design, construct, or repair these curb ramps and sidewalks including those identified through the City's Barrier Removal Request process.



Scope

Survey, design, and construction of accessibility improvements in the Mountain View Neighborhood, NE Kearney Avenue, NE Wells Acres Road, and Broadway and Delaware locations. Construction of all locations except the Mountain View Neighborhood in 2017. Construction of Mountain View in 2018.

Schedule

Start Date: 3/1/16 Substantial Completion: 06/30/2018 Final Closeout: 06/30/19

Completed Projects:

NE Kearney AveNE Wells Acres RdBroadway & Delaware

Cost

Total Estimated: \$1,156,000 Spent to Date: \$538,540 % Spent to Estimated: 47%

Design = \$250,000 **Construction** = \$906,000

Construction = \$906,000
 Mountain View \$466,000
 NE Kearney Ave \$235,000
 NE Wells Acres Rd \$140,000
 Broadway & Delaware \$65,000

Status: On Scope

Adjustments: Scope adjusted to better reflect that future corridors were established as separate subprojects in the CIP

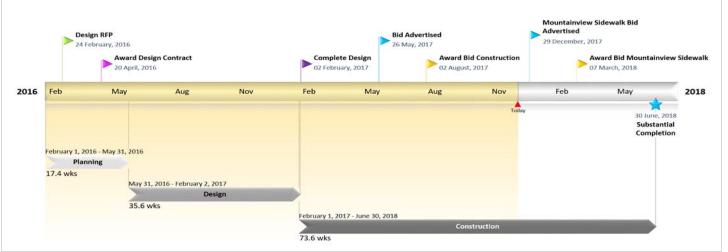
Status: On Schedule

Adjustments: No change from prior month

Status: On Budget

Adjustments: No impact to budget due to Scope and Schedule updates

Status Update: Wells Acres and NE Kearney sidewalk packages both completed at the end of the construction season. Mountain View sidewalk package submitted to procurement for bidding in early 2018.



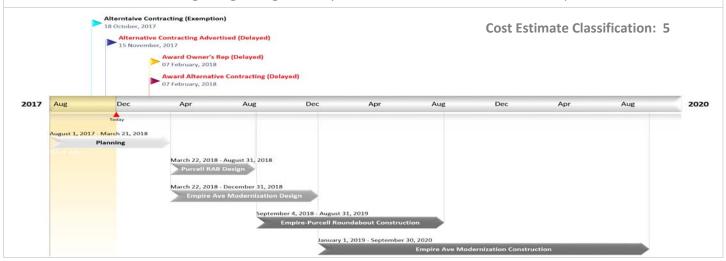
Empire Corridor Improvements

Planning and preliminary design for Empire Avenue began in 2005. In 2017 Council designated it as a high priority for improving the safety, efficiency, and reliability of transportation in northeast Bend. Council identified the design and construction of a roundabout at the Empire/Purcell intersection as the highest priority component of the project.

Project Engineer: George Franklet | gfranklet@bendoregon.gov Modernize Empire Labor Deschutes New RAB Purcell Modernization Butler Market to Empire Empire Extension Purcell to Butler Market Deschutes National Rab Purcell belief Market Deschutes National Rab Purcell Market Signal Purcell Market Signal

Scope	Schedule	Cost
Six distinct but interrelated sub- projects are included: Empire/Purcell Roundabout, Empire Avenue Modernization, Purcell Boulevard Modernization, Empire Avenue Extension, Purcell/Butler Market Signal Modernization and 27th Street Roundabout. Due to the complexity of implementing all the related components of the project, a Progressive Design-Build project delivery method will be used.	Start Date: 08/1/2017 Substantial Completion: 9/30/2020 Final Closeout: 9/30/2021	Total Estimated: \$15,630,000 Spent to Date: \$12,635 % Spent to Estimated: 0.08% Sub-Projects: Est. Spent Purcell RAB Empire Mod Purcell Mod \$1,000,000 \$0 \$12,635 Emp Extension \$3,630,000 \$0 \$0 Butler Mkt Sig \$1,000,000 \$0 \$0 Emp/27 RAB \$5,000,000 \$0 \$0
Status: On Scope	Status: Behind Schedule	Status: On Budget
Adjustments: No change from prior month	Adjustments: Procurement delayed	Adjustments: No change from prior month

Status Update: The RFP and contract for this method is being prepared with advertisement anticipated by early 2018 for selecting a progressive design-build team. The topographic survey anticipated in December. Right-of-way coordination with Deschutes County and Bend Park and Recreation District continued. Began discussions with Bend Park and Recreation District regarding the right-of-way needed for the roundabout at the Empire/Purcell intersection.



Dean Swift Corridor Citywide Accessibility

This project will design and construct accessibility improvements along Dean Swift Road. It was prioritized by the City of Bend Accessibility Advisory Committee (COBAAC) and the Central Oregon Coalition for Access (COCA). It is part of the Citywide Accessibility Improvements.

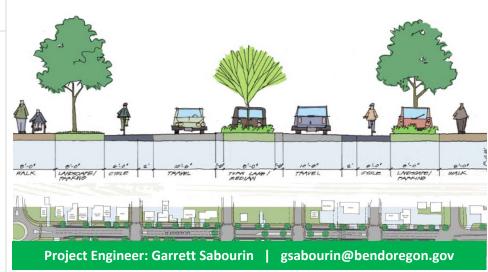


Scope	Schedule	Cost	
Survey, design, and construction of sidewalk, curb ramps, driveways, and other accessibility improvements on Dean Swift Road between Greenwood Avenue (US Highway 20) and Bear Creek Road.	Start Date: 01/01/2018 Substantial Completion: 06/30/2019 Final Closeout: 06/30/2020	Total Estimated: Spent to Date: % Spent to Estimated:	\$150,000 \$0 0%
Status: On Scope	Status: On Schedule	Status: On Budget	
Adjustments: Initiated	Adjustments: Initiated	Adjustments: Initiated	

Status Update: Project initiated. Design complete with construction possible in July 2018.

Galveston Corridor Improvements

The Galveston Corridor planning dates back to 2007 when the Traffic Safety Advisory Committee identified the project as the City of Bends 4th highest safety priority project, for existing arterials and collectors. Following initial identification of the project there was significant public interest and involvement from the adjacent community, resulting in the development of a local task force and subsequent council acceptance of a 'hybrid' streetscape concept. Design initiated in 2016.



Scope	Schedule	Cost
Study to improve safety, access, and connectivity for vehicles, bicycles, and pedestrians. Also to improve the streetscape along a newly emerging mixed use corridor. A collaborative process has formed between City staff and property/business owners with a taskforce to devise project concepts and designs. At 30% design project will be brought to council to decide the Stormwater and other elements to be carried forward.	Start Date: 06/01/2011 Substantial Completion: TBD Final Closeout: 09/30/2018** ** Construction not funded. Final closeout indicates 100% design.	Total Estimated: \$950,000† Spent to Date: \$384,649* % Spent to Estimated: 40% † Total cost estimate for design * Includes planning prior to CIP
Status: On Scope	Status: On Schedule	Status: On Budget
Adjustments: No change from prior month	Adjustments: No change from prior month	Adjustments: No change from prior month

Status Update: Upon council approval, design is proceeding from 30% level to final design. Current tasks include collecting additional survey within the corridor and verifying 30% conceptual design elements and a public open house scheduled for January 2018 in conjunction with the continued design kickoff.



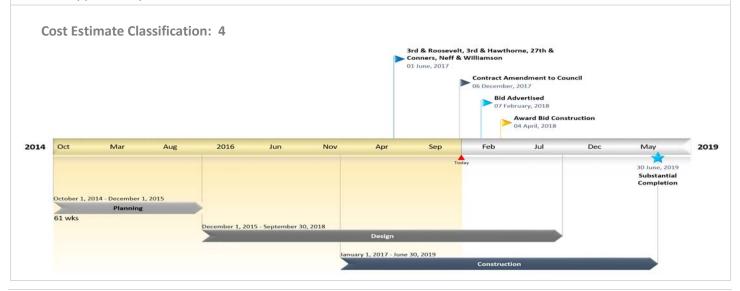
Citywide Safety Improvements

With the help of the community and a prior safety study, the city has identified multiple locations across the city where there have been a high number of crashes. Several treatments are proposed to make these locations safer for people walking, riding bicycles, and driving. This project will further develop the design of these treatments and construct them with additional community input.



Scope	Schedule	Cost
Survey, design, traffic analysis, public involvement, and construction of safety improvements at the following locations: 3rd St at Hawthorne, Franklin, Roosevelt, and Reed Market, Colorado Ave & Bend Pkwy (US Hwy 97) interchange, Neff Rd at Williamson Blvd, 27th St at Conners Ave, Brosterhous Road railroad underpass, Pinebrook and Canal.	Start Date: 10/1/2014 Substantial Completion: 6/30/2019 Final Closeout: 6/30/2020	Total Estimated: \$3,535,000 Spent to Date: \$488,299 % Spent to Estimated: 14%
Status: Scope Increase	Status: Baseline Schedule Adjustment	Status: On Budget
Adjustments: Additional scope for Pinebrook and Canal	Adjustments: Schedule adjusted to reflect additional scope	Adjustments: No impact to budget due to the scope and schedule revision

Status Update: Connors & 27th Crossing to be advertised in February 2018. Added safety crossings and Pinebrook and Canal as approved by Council on December 6.



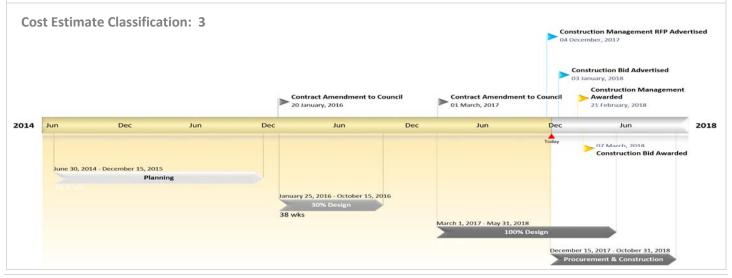
14th Street Reconstruction

Improve safety of corridor between SW Colorado Avenue am NW Newport Avenue for all modes of transportation. Project is part of voter approved General Obligation Bond and will focus on an up updated roadway configuration to include surfacing, striping, bike lanes, sidewalks and streetscape. Design will attempt to tie-in with suggested changes being made to the Galveston Corridor Improvements.



Scope	Schedule	Cost		
Upgrade to City standard to include but not limited to: roadway, surface, curbs, sidewalks, and striping. Includes safety improvements for bicycles, pedestrians and vehicles. The project will be constructed in two phases. Phase I: Simpson to Albany & Galveston to Newport; Phase II: Donovan to Simpson & Albany to Galveston.	Start Date: 06/30/2014 Substantial Completion: TBD Final Closeout: TBD	Total Estimated: \$8,795,000 Spent to Date: \$1,112,066 % Spent to Estimated: 13% Sub-Projects: Est. Spent PI: GO Bond \$4,893,612 \$673,191 PI: Trans Con. \$1,299,630 \$438,876 PII: Trans Con. \$2,600,000 \$0		
Status: On Scope	Status: On Schedule	Status: On Budget		
Adjustments: No change from prior month	Adjustments: No change from prior month	Adjustments: No change from prior month		

Status Update: Design is on schedule and Phase I construction documents have been sent to Purchasing with an anticipated advertisement date of January 3, 2018. The contractor will be selected by best-value procurement method (competitive RFP) approved by Council on November 15th. Advertisement for construction management services is currently being advertised to coincide with the spring construction schedule.



Water Master Plan Update

The existing Water Master Plan was completed in 2011 and is due to be updated in order to more accurately reflect current system conditions. The update will address current operational parameter efficiencies, needed capital improvements, and the full integration of the Water Management and Conservation Plan. All of this information will be used to update the SDC methodology and rate forecasting.

Water System Master Plan Update Optimization Study

City of Bend, Oregon, Project No. WA09FA



Project Engineer: Skip Martin | smartin@bendoregon.gov

Scope	Schedule	Cost
Alignment of master planning, rate analysis and SDC development allows for unity between future water system operational needs and the required water system funding.	Start Date: 3/1/2017 Substantial Completion: 06/30/2019 Final Closeout: 06/30/2020	Total Estimated: \$1,110,578 Spent to Date: \$578 % Spent to Estimated: 0.05%
Status: On Scope	Status: Behind Schedule	Status: On Budget
Adjustments: No change from prior month	Adjustments: Workload constraints	Adjustments: No change from prior month

Status Update: Project deprioritized and will be removed from the CIP until a future date. This is the final month the project will be included in the monthly report.



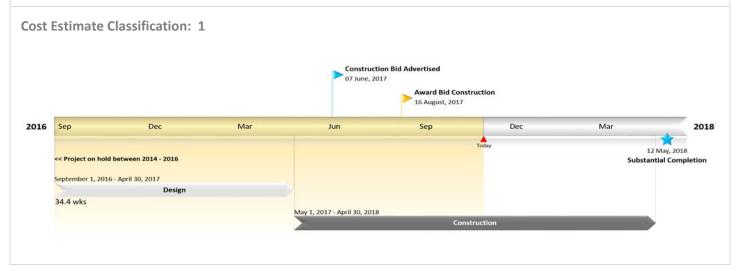
Egypt Waterline Project

The Egypt Waterline seeks to create a redundant water source for Juniper Ridge. This project became a Capital Improvement Project after it was identified in the 2011 Water master Plan Optimization study by Murray and Smith Associates. A redundant connection for Juniper Ridge is necessary to provide an adequate water supply during system disruptions due to maintenance activities, public emergencies, or catastrophic events.



Scope	Schedule	Cost
Design a waterline connection between Ranch Village Dr. and 18th Street. This work will include a pressure zone change to Juniper Ridge to match that of the neighborhood to the southwest.	Start Date: 7/1/2012 Substantial Completion: 04/30/18 Final Closeout: 04/30/18	Total Estimated: \$771,000 Spent to Date: \$31,255 % Spent to Estimated: 4% Additional Funding Sources: Parks & Rec: \$51,995 COB Street Ops: \$83,033 School District: \$6,000
Status: On Scope	Status: Potential Schedule Delay	Status: On Budget
Adjustments: No change from prior month	Adjustments: No change from prior month	Adjustments: No change from prior month

Status Update: Continued evaluation of the construction schedule with the School District to time construction to summer school closure. Contract for construction is in place and we are ready to begin once schedule is confirmed with the School District. No additional updates will be made until construction schedule is complete.



Southeast Interceptor

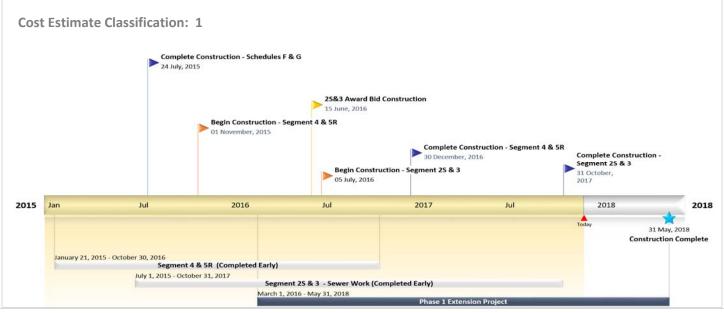
Large diameter gravity sewer pipeline extending from the southwest quadrant to the northeast quadrant of the City, approximately 4 ½ miles in length. This project reroutes or intercepts a significant volume of sewage away from the downtown and central sewer systems to the east side of the City in accordance with the Collection System Master Plan completed in 2014. Segment 2S&3 indicates the 2.5 mile stretch of 27th street between Neff and Reed Market Rd.



Project Engineer	Eric Earstar	eforster@bendoregon.gov
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Scope	Schedule	Cost
Design and construction of gravity sewer, from South 3rd street to the Neff Road connection. Phase 1 Extension Project, approved in January 2016, adds approximately 4,300 feet of sewer main work.	Start Date: 7/1/2006 Sewer Completion: 12/31/2017 Street Completion: 10/31/2017 Phase I Ext. Completion: 5/31/2018 Final Closeout: 5/31/2019	Total Estimated: \$72,000,000 Spent to Date: \$62,322,697 % Spent to Estimated: 87% Sub-Projects: Est. Spent Previous \$17,500,000 \$16,765,255 4&5R \$12,500,000 \$12,280,443 2S&3 \$31,500,00 \$30,229,235 P1EX \$10,500,000 \$3,047,764
Status: On Scope	Status: On Schedule	Status: On budget
Adjustments: No change from prior month	Adjustments: Schedule dates were reported incorrectly in prior reports	Adjustments: No change from prior month

Status Update: Phase I Extension is the only remaining sub-project on the SEI. Work on Phase I Extension continues as planned. Piping work anticipated to be complete in January. Paving work to follow in the spring.



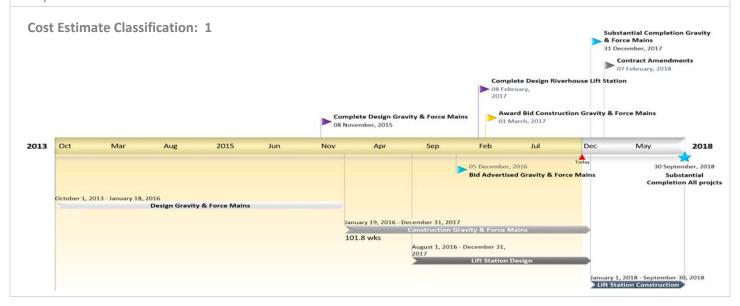
North Area Sewer Capacity Improvements

This project will increase the capacity of the gravity main downstream of the multiple force main discharge point at manhole 3157 and reroute the force main discharge from several lift stations and the NE 3rd Street pressure sewer. It will also reconfigure the structure at Mervin Sampels Bypass and include modifications to both the Sawyer and Riverhouse lift stations.



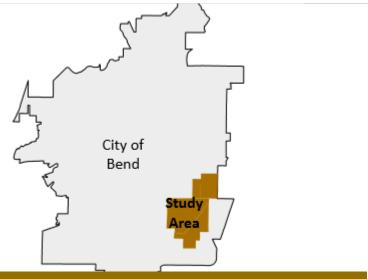
Scope	Schedule	Cost
Analysis of alternatives for pipeline route and construction methods for crossing of irrigation canals and railroad tracks; design and construction of gravity and force mains, pump station modifications, and flow bypass optimization.	Start Date: 10/1/2013 Substantial Completion: 09/30/2018 Final Closeout: 09/30/2019	Total Estimated: \$8,860,000* Spent to Date: \$3,700,392 % Spent to Estimated: 42% * Includes street preservation work Sub-Projects: Est. Spent Force Main \$4,450,000 \$1,719,405 Gravity \$3,855,000 \$1,974,549 Lift Station \$555,000 \$6,437
Status: On Scope	Status: On Schedule	Status: On budget
Adjustments: No change from prior month	Adjustments: No change from prior month	Adjustments: No change from prior month

Status Update: Schedule updated to reflect new construction timeline for Lift Station. Contract amendments going to Council in early 2018. Cost estimate will be updated in early 2018. Both the Gravity and Force Mains are scheduled to be operational in December.



Southeast Bend Septic to Sewer Solutions

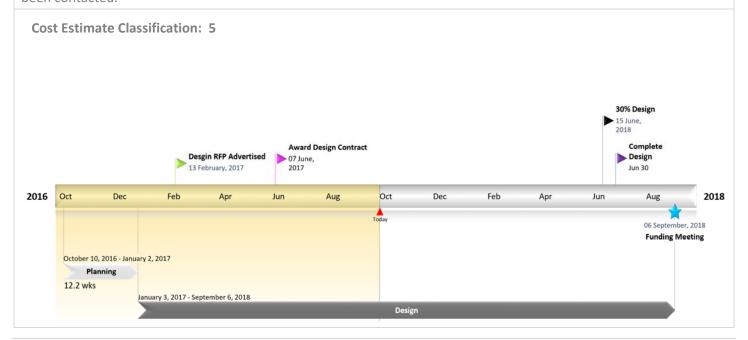
When constructed, existing residences, currently on septic systems, will eventually and systematically connect to the recently constructed South East Interceptor (SEI). This project will require phases to meet constructability limitations and to better meet community involvement requirements.



Project Eng	zineer: Ski	o Martin	smartin@	bendore	gon.gov
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Scope	Schedule	Cost
Design 70,000 feet of gravity sewer through a portion of Southeast Bend area near King's Forest neighborhood.	Start Date: 10/10/2016 Substantial Completion: 12/31/2019 Final Closeout: 12/31/2019*	Total Estimated: \$2,800,000* Spent to Date: \$638,337 % Spent to Estimated: 23% * City is currently only planning to design this project.
Status: On Scope	Status: On Schedule	Status: On Budget
Adjustments: No change from prior month	Adjustments: No change from prior month	Adjustments: No change from prior month

Status Update: No update from prior month. Topographic survey is 80% complete, and scheduled to be completed by December 2018. Citizen's Advisory meetings are on schedule. Approximately 90% of the 550 homeowners have been contacted.



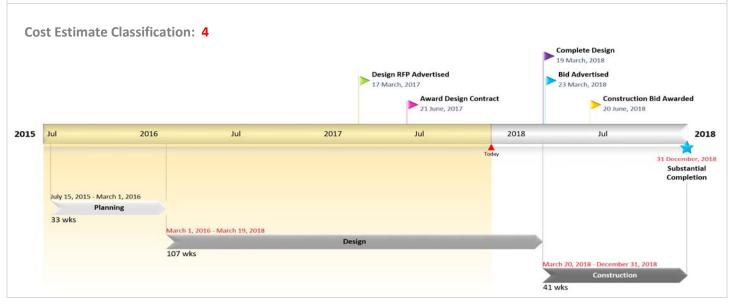
Plant Interceptor Rehabilitation

The existing plant interceptor conveys all of the City's sewage to the WRF. The concrete pipeline is deteriorating due to age as well as the sulfides breaking down the concrete wall. This project will rehabilitate the plant interceptor by designing and constructing a Cured-In-Place Pipe (CIPP) liner to lengthen the operational life of the pipeline. All project aspects were previously identified in the Plant Interceptor Condition Assessment and incorporated into the CSMP projects list.



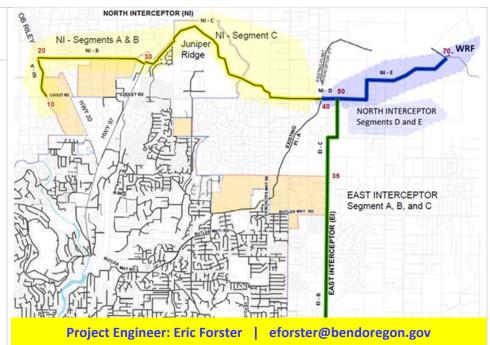
Scope	Schedule	Cost
Rehabilitate all pipe segments and manholes from Purcell Blvd. to proposed tie in with the North Interceptor with a Cured-In-Place Pipe (CIPP) liner.	Start Date: 3/1/2015 Substantial Completion: 12/31/18 Final Closeout: 12/31/19	Total Estimated: \$10,700,000 Spent to Date: \$256,884 % Spent to Estimated: 2%
Status: Removed Scope	Status: Behind Schedule	Status: On Budget
Adjustments: Priority 2 segments removed in conjunction with North Interceptor timeline	Adjustments: Updated timeline will likely be revised in coming months	Adjustments: No adjustment anticipated due to reduction in scope

Status Update: 30% design submitted and reviewed. Design team is working to deliver 60% by end of December. City Project team reviewed priority 1 and priority 2 scope in conjunction with North Interceptor and determined scope reduction was appropriate.



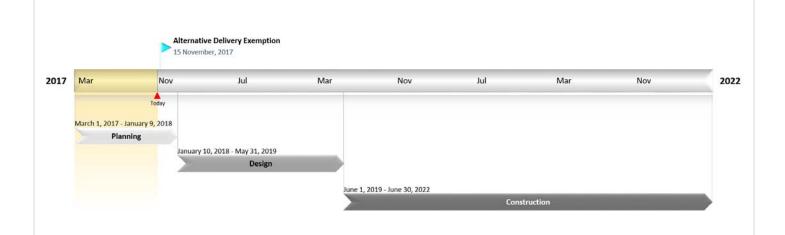
North Interceptor Project

Sewer Interceptor running east to west on the Northern Edge of Bend's UGB, beginning at Cooley Road and OB Riley Road and running east past the Juniper Ridge development, connecting with existing Plant Interceptor, connecting with the East Interceptor, and continuing further east to deliver untreated waste water to the WRF. Segments NI-D and NI-E are designated as Priority 1 (10,300 feet). Segments NI-A, NI-B, and NI-C are designated a Priority 2 (26,300 feet).



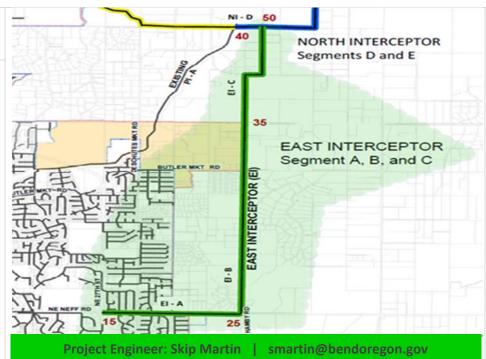
Scope	Schedule	Cost	
Design, bid, contract, and build approximately 36,000 feet of gravity sewer, various diameters running along the Northern edge of Bend's UGB. Connects to the WRF.	Start Date: 3/1/17 Substantial Completion: 12/31/2022 Final Closeout: 12/31/2023	Total Estimated: \$23,000,000 Spent to Date: \$13,839 % Spent to Estimated: 0.06%	
Status: On Scope	Status: Behind Schedule	Status: Potential Budget Revision	
Adjustments: No change from prior month	Adjustments: Timeline revision anticipated	Adjustments: Compressed timeline may require budget revision	

Status Update: Council approved alternative delivery exemption going to Council in November. Preparing documents for procurement.



East Interceptor Project

Future Sewer Interceptor connecting with the SEI at Neff Rd and 27th St, proceeding east on Neff Rd to Hamby Rd (5,300 feet), then turning north on Hamby and connecting to the North Interceptor (16,500 feet). Total length of East Interceptor is approximately 21,800 feet.



Scope	Schedule	Cost
Design, bid, contract, and build approximately 22,000 feet of gravity sewer, various diameters running along the Eastern edge of Bend's UGB. Connects to the North Interceptor	Start Date: 3/1/17 Substantial Completion: 12/31/2025 Final Closeout: 12/31/2026	Total Estimated: \$21,000,000 Spent to Date: \$13,770 % Spent to Estimated: 0.07%
Status: On Scope	Status: On Schedule	Status: On Budget
Adjustments: No change from prior month	Adjustments: No change from prior month	Adjustments: No change from prior month

Status Update: Project deprioritized and will be removed from the CIP until a future date. This is the final month the project will be included in the monthly report.



Capacity Improvements Project

Provides additional treatment capacity at the Water Reclamation Facility (WRF) in order to ensure the City continues to meet the needs of the community and Department of Environmental Quality (DEQ) permit requirements. Treatment capacity increases from 6.5 MGD to 8.5 MGD when complete with greater flexibility in the future to increase capacity at a much lower cost.



edule	Cost
Project Engineer: Josh Robertson	Jrobertson@bendoregon.gov

This project would add plant capacity by retrofitting existing aeration basins to Integrated Fixed-Film Activated Sludge (IFAS) operation, making hydraulic improvements to plant piping and starting up Ultra Violet disinfection systems to replace the current chlorine contact system.

Status: On Scope

Start Date: 4/1/2017
Substantial Completion: 4/30/19
Final Closeout: 4/30/2020

Status: On Schedule

Total Estimated: \$8,000,000

Spent to Date: \$214

% Spent to Estimated: 0.00%

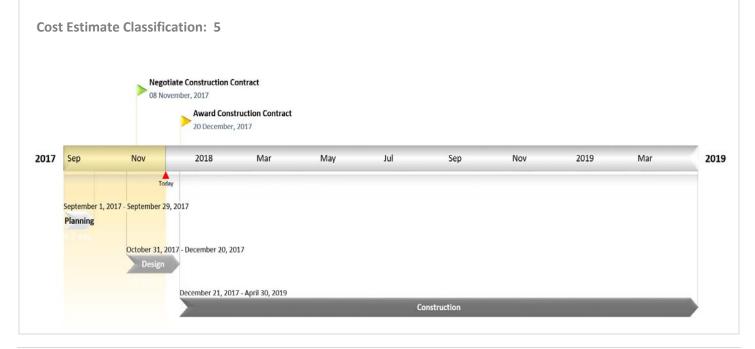
Status: On Budget

Adjustments: No change from prior month Adjustments: No change from prior month Adjustments: No change from prior month

Adjustments: No change from prior month

Adjustments: No change from prior month

Status Update: Final negotiated Guaranteed Maximum Price (GMP) contract for construction manager general contractor (CMGC) going to Council December 20.



Pump Station Decommissions Projects

The cost analysis in the Collection System Master Plan determined the following lift station decommissions: Nottingham Pump Station Connections to SEI, Ridgewater #1, Bridges at Shadow Glen, Tri-Peaks, Crown Villa #1 & #2, Muphy, Quail Ridge #1 & #2, South Village, and Sun Meadow.



Scope	Schedule	Cost
The project consists of decommissioning multiple sewer pump stations throughout the City where gravity sewer diversions have been determined to be viable.	Start Date: 3/1/2017 Substantial Completion: 06/30/2019 Final Closeout: 06/30/2020	Total Estimated: \$1,515,000 Spent to Date: \$0 % Spent to Estimated: 0.00%
Status: Increase Scope	Status: Behind Schedule	Status: Potential Budget Increase
Adjustments: To include design of additional pump stations	Adjustments: Project re-initiated with change in Project Manager	Adjustments: Potential increase in budget based on scope incrrease

Status Update: Initiating design on decommissioning work. Additional pump stations related to the completion of the SEI identified and added to the design effort.



South Mirror Pond Parking Lot

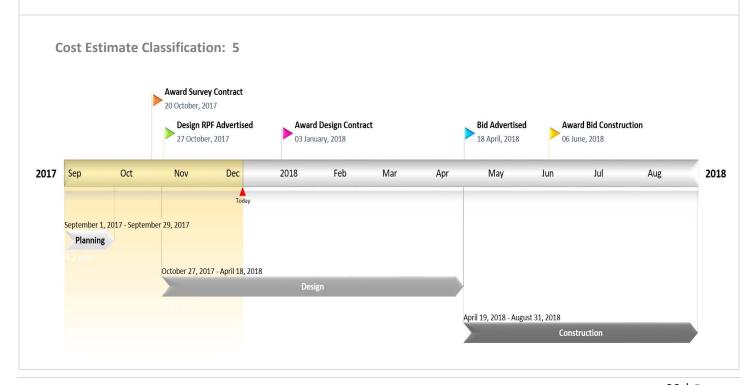
Current issues with the South Mirror Pond parking lot include a lack of parking for oversized vehicles and bicycle rentals and loitering. This project will update the parking lot to improve intended function and create greater parking diversity.



Project Engineer: Brad Tower| btower@bendoregon.gov

Scope	Schedule	Cost
This is a synergy project with the Economic Development Department and Bend Police Department.	Start Date: 9/1/2017 Substantial Completion: 08/31/2018 Final Closeout: 08/31/2019	Total Estimated: \$470,000 Spent to Date: \$10,922 % Spent to Estimated: 0.23%
Status: On Scope	Status: Potential Schedule Revision	Status: On Budget
Adjustments: No change from prior month	Adjustments: Funding constraints may impact the construction timeline	Adjustments: No change from prior month

Status Update: Design contract going to council on January 3. Construction timeline uncertain for 2018 due to funding constraints. Project timeline will be updated after design complete.



Collection System Master Plan Post Acknowledgement Plan Amendment

This project is updated the 2014 CSMP to recognize the project elements that were identified as part of the UGB process. This work will identify the elements of the collection system that will be needed to serve the expansion areas and the costs associated with those improvements. This work is being done working closely with the Growth Management Department.



Bend Economic Opportunities Analysis

Bend's Growth to 2028

Project Engineer: Skip Martin | smartin@bendoregon.gov

Scope	Schedule	Cost
This is a synergy project with the Growth Management Department and is not included in the Capital Improvement Program.	Start Date: 3/1/2017 Substantial Completion: 12/30/2017 Final Closeout: 4/1/2018	Total Estimated: \$92,000 Spent to Date: \$10,979 % Spent to Estimated: 12%
Status: On Scope	Status: On Schedule	Status: On Budget
Adjustments: No change from prior month	Adjustments: No change from prior month	Adjustments: No change from prior month

Status Update: Phasing results to be completed in December. Draft Post Acknowledgement Plan Amendment (PAPA) document to be completed in January.

