

Monthly Report

Fiscal Year 2016-2017 April 2017



MONTHLY REPORT

April 2017 ISSUE 19

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FROM THE DIRECTOR

In the 2017 - 2019 biennium City of Bend Councilors identified project management as a key objective in modernizing and professionalizing how the City operates. Over the past several years the City has become a projectized organization where we use project management to achieve business results. This requires a solid foundation in business fundamentals, communication, and leadership, as well as skills in project, program, and portfolio management.

Project management is emerging as one of the fastest-growing fields in the country with relevance to every industry and discipline out there. Because of this acquiring a Project Management Professional (PMP) certification became a focus for EIPD in 2014. All of our engineers are required to obtain a PMP certification within six months of hire. Today, I am proud to report that EIPD employs the largest number of certified project management professionals working for the City.

In the coming months we will be working with the IT Department to identify and implement a project management software to further our efforts in professionalizing our project management operations. Projects are a specific type of work that requires a very specific type of software to control the many elements of project management.

Tom Hickmann, PE EIPD Director 541 317-3029

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.

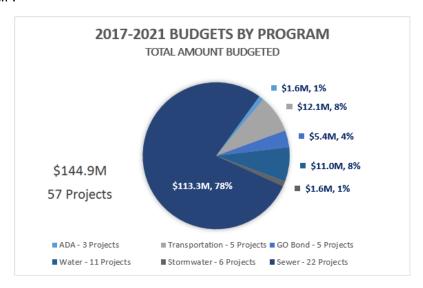
Executive Summary

CIP by the Numbers

This section identifies changes to the CIP for the reporting period: March 1, 2017 – March 31, 2017

O Project Changes No new projects were initiated or completed in the month of March.

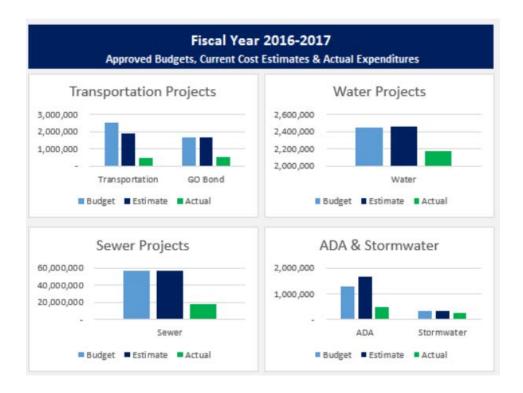
The graph below shows the number of projects, amounts budgeted and the percentage of budgets by program for the 2017-2021 CIP.



The table below shows the status of projects in the current CIP Plan.

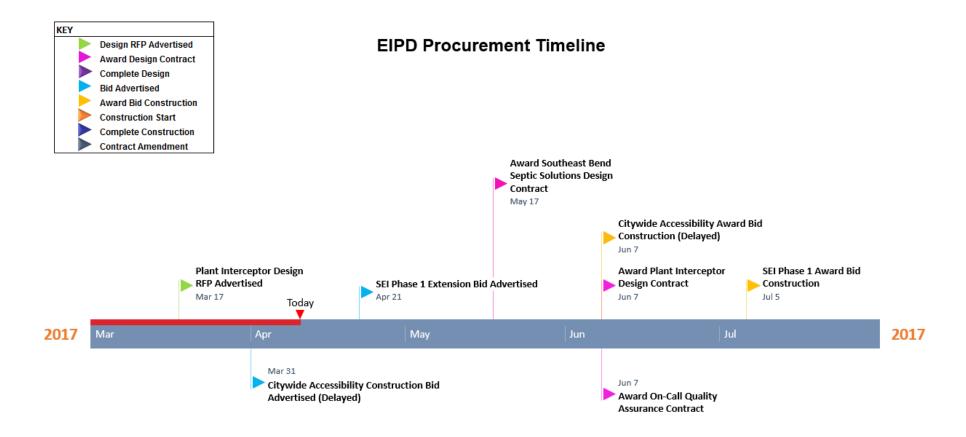
Status	CIP	R&R
Open (Active):	20	1
In planning, design or construction phase	20	1
Substantially Complete (Active):	7	0
Asset transferred to Operations and City has beneficial use	/	0
Closed (Not Active):	0	0
Completed 1-2 yr. warranty; Cancelled; Transferred project to Ops	0	0
Pending (Not Active):	30	15
Scheduled to start within 5-Year CIP Plan	30	15
Total	57	16

The graph below show the 2017 Fiscal Year approved budgets, current estimates and capital expenditures by program.



The table below shows current fiscal year expenditures and remaining budgets by program. Program budgets are approximately 33% spent for Fiscal Year 2016-17.

Program	Projects	20	17 FY Budget	2	017 FY Spent		Remaining
Water Reclamation	25	\$	56,484,700	\$	17,588,547	\$	38,896,153
Water	13	5	2,443,100	5	2,178,554	5	264,546
Transportation	6	5	2,528,000	\$	478,288	\$	2,049,712
GO Bond	5	5	1,682,300	\$	508,514	\$	1,173,786
ADA Construction	4	5	1,267,000	\$	492,029	\$	774,971
Stormwater	7	S	350,000	5	245,241	\$	104,759
Totals	60	S	64,755,100	5	21,491,173	5	43,263,927



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City of Bend 2017 - 2021 Capital Improvement Program Project List

Project Name & Number	Project Start	Estimated Substantial Completion	Project Stage	Cost Estimate Class	Total Project Cost Estimate	Total Project Spent to Date	2016-17	2017-18	2018-19	2019-20	2020-21	2017-2021 Budgeted	Budget Revisions	Percent Project Estimate
ADA Construction													V	Spent
1A3AA South 3rd Street Pedestrian Improvements	2011	03/31/17	Design	1	815,000	749,191	100,000	_	_	_		100,000		92%
1ACAI Citywide Accessibility Improvements	2011	9/28/18	Design	2	1,156,000	187,795	400,000	300,000			_	700,000		16%
1ADCS Downtown City Offices Sidewalk	2016	06/30/17	Design	4	580,000	39,475	-	300,000	_	_	_	700,000	1	7%
1AADA Future ADA Projects	2010	07/10/05	Pending	5	380,000	39,473	767,000	-	_	_	_	767,000	1	0%
·	2017	07/10/03	rending	3		076.461							1	0%
Total ADA Construction Projects					2,551,000	976,461	1,267,000	300,000	-	-	-	1,567,000		
BURA - Murphy Crossing Construction	2015	07/20/46	Cult Committee	1	2 000 000	1.020.200	1.014.000					1.014.000		F 20/
1TMPR Murphy & Parrell Roundabout	2015	07/29/16	Sub.Complete	1	2,000,000	1,038,396	1,014,000	-	-	-	-	1,014,000		52%
Total BURA Projects					2,000,000	1,038,396	1,014,000	-	-	-	-	1,014,000		
Transportation Construction														
1TGCI Galveston Corridor Improvements	2011		Design	4	4,000,000	384,649	225,000				-	225,000		10%
1TSDP Complete Street Corridors (formerly Sidewalk Design and Projects)	2017	2018	Pending	5	3,500,000	965	140,000	380,000	1,830,000	1,150,000	-	3,500,000		0%
1TDCS Downtown City Offices Sidewalk	2016	07/10/05	Design	5	125,000	39,475	-	-	-	-	-	-		32%
1TNPS Neff and Purcell Intersection (Formerly Neff & Purcell Sidewalk)	2016	2020	Pending	5	4,000,000	-	50,000	350,000	300,000	3,300,000	-	4,000,000		0%
1TCSI Citywide Safety Improvements	2016	09/30/18	Design	4	3,344,000	362,451	1,099,000	1,470,000	775,000	-	-	3,344,000	1	11%
Total Transportation					14,969,000	787,540	1,514,000	2,200,000	2,905,000	4,450,000	-	11,069,000		5%
GO Bond														
1T14R 14th St. Reconstruction	2016	10/15/16	Design	4	4,681,093	249,453	513,000	3,643,527	-	-	-	4,156,527		5%
1T27R 27th Street Reconstruction	2017	2017	Pending	5	1,049,300	132,458	1,049,300	-	-	-	-	1,049,300		13%
1TPWP Powers & Brookswood Roundabout Phase II	2016	10/15/16	Design	2	50,000	-	45,000	-	-	-	-	45,000		0%
1TR27 Reed Mkt: Newberry to 27th	2012	10/15/15	Sub.Complete	1	4,841,330	4,851,450	30,000	21,000	-	-	-	51,000		100%
1TR3N Reed Mkt: 3rd to Newberry	2012	11/13/15	Sub.Complete	1	14,345,450	13,379,756	45,000	10,000	16,000	-	-	71,000		93%
Total GO Bond					24,967,173	18,613,117	1,682,300	3,674,527	16,000	-	-	5,372,827		
Water														
1XSWP Bridge Creek Intake and Pipeline	2008	06/30/16	Sub.Complete	1	73,954,698	72,178,883	783,100	-	-	-	-	783,100		98%
1WEWL Egypt Waterline	2012	2019	Planning	2	600,000	34,799	-	-	478,400	-	-	478,400		6%
1WSDC Water SDC Methodology Study	2017	07/09/05	Pending	_	60,000	578	60,000	-	-	-	-	60,000		1%
1WMP1 Water Master Plan Update	2017	07/09/05	Pending	_	500,000	-	500,000	-	-	-	-	500,000		0%
1WS3W Phase 2 South 3rd St Water portion	2016	03/31/17	Design	3	635,000	12,875	1,100,000	-	-	-	-	1,100,000		2%
1WAWP Awbrey Well Supply Expansion	2020	2020	Pending	5	2,021,760	-	-	-	-	2,021,760	-	2,021,760		0%
1WLPE Lafayette Pipe Enlargement	2020	2020	Pending	5	250,640	_	_	_	_	250,640	-	250,640		0%
1WCPS College Parallel Pipe Study	2020	2020	Pending	-	1,215,760	_	_	_	_	1,215,760	-	1,215,760		0%
1WVSS Valves Operational System Study	2021	2022	Pending	_	156,000	.	_	_	_	78,000	78,000	156,000		0%
1WSSC New Water Well Near NE Shirley Court	2021	2021	Pending	_	1,596,400	.	_	_	_		2,830,464	2,830,464		0%
1WSPP Parallel Piping Brookswood to Brosterhaus	2021	2021	Pending	_	2,830,464	.	_	_	_	_	1,596,400	1,596,400		0%
Total Water	2021	2021	T CITAINIS		83,820,722	72,227,134	2,443,100	_	478,400	3,566,160	4,504,864	10,992,524		0,0
Stormwater					00,020,722	, 2,227,134	2,443,100	_	470,400	3,300,100	-,50-,004	10,332,324		
1RABD South Awbrey Butte Drainage Study	2016	03/31/17	Design		285,000	124,735	200,000	-		-		200,000		44%
1R3AA South 3rd Street - Stormwater portion	2016	12/26/16	Design	1	185,000	162,491	150,000	-		-	-	150,000		88%
1RNPR Newport Pipe Replacement Design	2016	2019	Pending	5	442,000	102,491	130,000	-	442,000		-	442,000		0%
	2018	2019	_	5			-	-	442,000	-	120 000	130,000		
1RMP1 Stormwater Master Plan Update			Pending		130,000	-	-	-	-	-	130,000			0%
1RFGU Franklin & Greenwood Underpass	2021	2029	Pending	5	5,620,000	-	-	-	-	-	572,000	572,000		0%
1RRMC Roosevelt & McKinley	2020	2022	Pending	5	579,000	- 207 227	-	-	-	-	104,000	104,000		0%
Total Stormwater					7,241,000	287,227	350,000	-	442,000	-	806,000	1,598,000		

City of Bend 2017 - 2021 Capital Improvement Program Project List

Project Name & Number	Project Start	Estimated Substantial Completion	Project Stage	Cost Estimate Class	Total Project Cost Estimate	Total Project Spent to Date	2016-17	2017-18	2018-19	2019-20	2020-21	2017-2021 Budgeted	Budget Revisions	Percent Project Estimate Spent
Sewer - Water Reclamation														
1S2S3 SEI Schedule 2S&3	7/1/2015	12/30/17	Construction	1	32,500,000	13,225,694	18,284,000	9,070,000	-	-	-	27,354,000		41%
1S45R SEI Schedule 4&5R	42025	12/30/16	Sub.Complete	1	12,500,000	12,241,650	4,180,500	-	-	-	-	4,180,500		98%
1SP1X SEI Phase 1 Extension	3/1/2016	12/31/17	Design	4	10,500,000	466,577	4,637,500	3,402,500	-	-	-	8,040,000		4%
1SNAF North Area Force Main	2016	12/31/17	Design	2	4,450,000	4,163	2,834,850					2,834,850		0%
1SNAS North Area Gravity Main	2016	12/31/17	Design	2	3,855,000	1,097,344	2,834,850					2,834,850		28%
1SRLS Riverhouse Lift Station Hydraulic Upgrade	2016	06/30/17	Design	2	555,000	15,296	370,000	-	-	-	-	370,000		3%
1SBSS Southeast Bend Septic Solutions (New)	2017	2019	Design	5	24,000,000	145	-	-	-	-	-	-		0%
1SPIR Plant Interceptor Rehabilitation	2015	06/30/17	Design	5	10,700,000	23,065	5,970,000	-	-	-	-	5,970,000		0%
1SVOC Valhalla Sewer Relocation	2011	10/16/16	Sub.Complete	1	1,860,370	1,644,396	2,000,000	-	-	-	-	2,000,000		88%
1XCOL Colorado Pump Station and Force Main	2013	01/10/17	Sub.Complete	1	13,620,132	13,338,150	4,525,000	-	-	-	-	4,525,000		98%
1SWRF Secondary Expansion	2009	06/30/17	Construction	1	45,000,000	40,823,031	2,353,000	-	-	-	-	2,353,000		91%
1SSHI Solids Handling Improvement Project	2016	2019	Pending	5	17,000,000	-	6,000,000	4,000,000	7,000,000	-	-	17,000,000		0%
1SEIP East Interceptor (Formerly SEI Phase II North)	2016	2028	Pending	5	21,000,000	-	1,000,000	1,000,000	-	-	-	2,000,000		0%
1SNIP North Interceptor	2016	2021	Pending	5	23,000,000	-	1,000,000	1,000,000	7,000,000	7,000,000	7,000,000	23,000,000		0%
1SFPU WRF Facilities Plan Update	2018	2018	Pending	5	500,000	-	-	500,000	-	-	-	500,000		0%
1SPSO Parallel Sewer on Olney Avenue	2018	2018	Pending	5	581,000	-	-	605,000	-	-	-	605,000		0%
1SEPP WRF Evaporation Percolation Ponds	2019	2019	Pending	5	1,567,000	-	-	-	1,630,000	-	-	1,630,000		0%
1SAMM Amethyst/Mahogany Street Sewer	2019	2019	Pending	5	679,000	-	-	-	710,000	-	-	710,000		0%
1SM97 Mahogany Street/Hwy 97 Sewer	2019	2019	Pending	5	999,000	-	-	-	1,050,000	-	-	1,050,000		0%
1SSFU WRF Support Facilities Upgrade	2020	2020	Pending	5	2,400,000	-	-	-	-	2,500,000	-	2,500,000		0%
1SOC1 Odor Control Master Plan	2020	2020	Pending	-	1,000,000	-	-	-	-	1,050,000	-	1,050,000		0%
1SSLA Sewer Storage - Land Acquisition	2020	2020	Pending	-	700,000	-	-	-	-	730,000	-	730,000		0%
1SPIC Plant Interceptor Condition Assessment	2020	2020	Pending	5	600,000	-	-	-	-	630,000	-	630,000		0%
1SMP1 Collection System Master Plan (Years 6-10)	2020	2020	Pending	-	1,000,000	-	-	-	-	1,050,000	-	1,050,000		0%
1SGPA Gravity Pipe Condition Assessment	2020	2035	Pending	5	200,000	-	-	-	-	210,000	208,000	418,000		0%
Total Sewer					230,766,502	82,879,511	55,989,700	19,577,500	17,390,000	13,170,000	7,208,000	113,335,200		
Total 2017-2020 Capital Improvement Program					344,365,853	176,809,386	64,260,100	25,752,027	21,231,400	21,186,160	12,518,864	144,948,551		

S. 3rd St. Pedestrian Improvements

Project is a collaboration with ODOT to provide continuous pedestrian facilities along the 3rd Street corridor between Wilson Avenue and Powers Road by repairing existing facilities that are either non-compliant or deteriorated. In addition, the project will also construct pedestrian facilities where none currently exist. The project is being coordinated with several other projects (water, stormwater, streets) within the corridor.



Scope	Schedule	Cost	
Design, right of way acquisition, and construction of sidewalks, curb ramps that is coordinated with other infrastructure for water, stormwater, and streets. Stormwater scope increased to now include catch basin and drill hole vault replacement.	Start Date: 11/1/2011 Substantial Completion: 7/31/2017 Final Closeout: 7/31/2018	Total Estimated: Spent to Date: Spent to Estimated: Sub-Projects: Est. ADA \$815,00 Water \$31,000 Stormwater \$185,00	\$30,612
Status: On Scope	Status: On Schedule	Status: On Budget	
Adjustments: No change from prior month	Adjustments: No change from prior month	Adjustments: No chang month	e from prior

Status Update: Construction resumed March 6 on east side of Wilson to Brosterhaus and west side from Reed Lane to Powers Road. Construction hours are from 5AM to 2PM weekdays with outer travel lane closures.



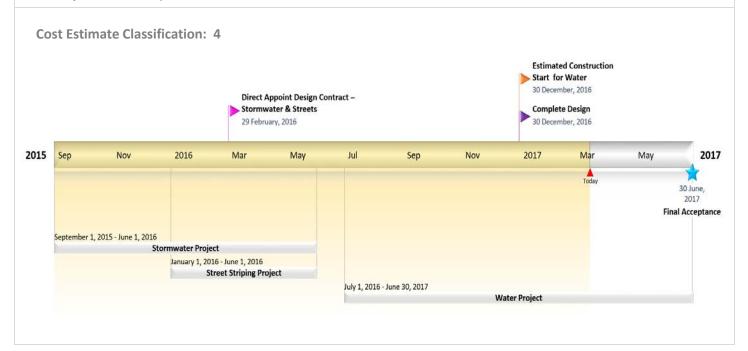
Phase 2 - S. 3rd Street Improvements

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: 6/30/2017 Final Closeout: 7/1/2018 • Stormwater portion complete • Streets portion complete	Total Estimated: Spent to Date: Spent to Estimated: Sub-Projects: Est. Water \$635,000 Stormwater \$5,000 Streets \$30,000	\$670,000 \$35,129 5% <u>Spent</u> \$12,875 \$6,150 \$16,104
Status: On Scope	Status: Behind Schedule	Status: On Budget	
Adjustments: No change from prior month	Adjustments: Staffing constraints put project on hold until further notice	Adjustments: No change month	from prior

Status Update: Water portion remains on hold due to workload constrains.



Citywide Accessibility Improvements

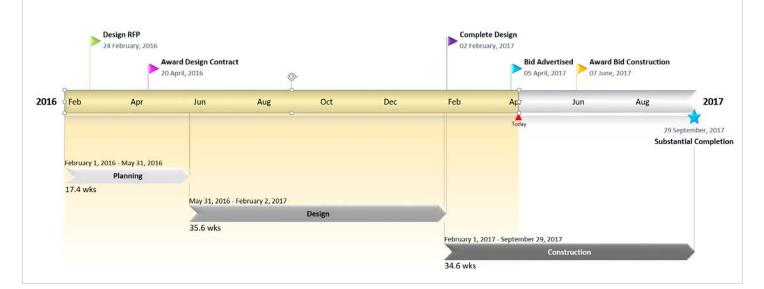
Through the help of dedicated volunteers on the City of Bend Accessibility Advisory Committee (COBAAC) and the Central Oregon Coalition for Access (COCA), key corridors and neighborhoods across the city have been prioritized for accessibility improvements. This project will design, construct, or repair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



Scope	Schedule	Cost
Survey, design, and construction of accessibility improvements, as funding allows, in the Wells Acres, Bear Creek, Division, Downtown & Old Mill and Brookswood/Southwest neighborhoods.	Start Date: 3/1/16 Substantial Completion: 9/29/2017 Final Closeout: 09/29/2018	Total Estimated: \$1,156,000 Spent to Date: \$187,795 % Spent to Estimated: 16%
Status: On Scope	Status: On Schedule	Status: On Budget
Adjustments: No change from prior month	Adjustments: No change from prior month	Adjustments: Increase for construction of the three new project locations.

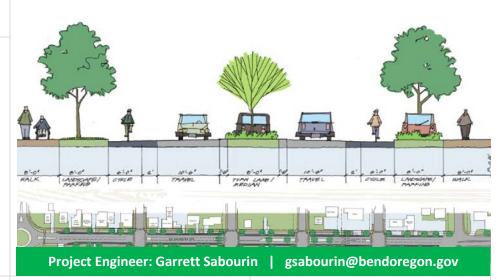
Status Update: Procurement submitted for review March 15, 2017.

Cost Estimate Classification: 2



Galveston Corridor Improvements

The project is the highest ranked Traffic Safety Advisory Committee (TSAC) arterial and collector street safety project to improve vehicle, bicycle, and pedestrian safety, access, and connectivity. It also continues the bike and pedestrian improvements on Galveston from 14th to Lindsey Ct. The project will improve bicycle and pedestrian safety, access, stormwater system, and parking.



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: TBD	Total Estimated: \$4,000,000 Spent to Date: \$380,329* % Spent to Estimated: 10% * Includes planning.
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 only received authority for 30% design. Once City Council goal setting complete and 2018-2022 Capital Improvement Program approved future of project direction will be determined. No update will be provided until then.



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.



Danie de France de la Company	
Project Engineer: Rory Rowan	rrowan@bendoregon.gov
riolect Eligilieer. Noiv Nowali	i i i owan wbendonegon.gov

Scope	Schedul
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.	Start Date: Substantial Final Closed
Status: On Scope	Status: Beh

le 10/1/2014

l Completion: 9/30/2018

out: 9/30/2019

Cost

Total Estimated: \$3,344,000

Spent to Date: \$362,451

% Spent to Estimated: 11%

Adjustments: No change from prior

month

hind Schedule

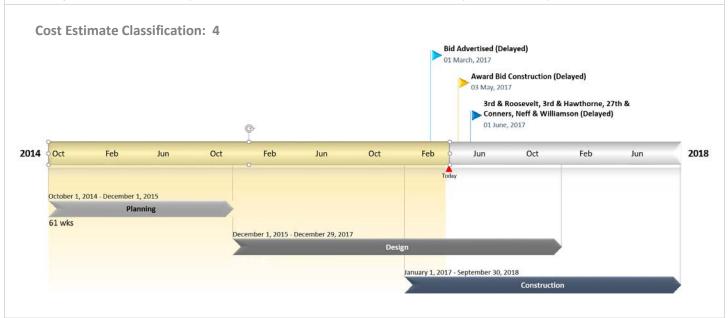
Adjustments: On hold until July

Status: On Budget

Adjustments: No change from prior

month

Status Update: Construction pushed out due to workload constraints. No update until July 2017.



14th Street Reconstruction

Improve safety of corridor from SW Colorado Avenue to 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.



Duningt Fundinger, Councit Coherenia	l cook ourin Okondovocon cou
Project Engineer: Garrett Sabourin	gsabourin@bendoregon.gov

Scope	Schedule	Cost		
Upgrade to City standard to include but not limited to: roadway, surface, curbs, sidewalks, and striping. Final scope to be determined at 30% concept level, but will include safety improvements for bicycles, pedestrians and vehicles.	Start Date: 06/30/2014 Substantial Completion: TBD Final Closeout: TBD	Total Estimated Spent to Date: % Spent to Esti Sub-Projects: GO Bond Trans Con.	\$29	\$81,093 6,872 <u>Spent</u> \$296,872 \$0
Status: On Scope	Status: On Schedule	Status: On Bud	get	
Adjustments: No change from prior month	Adjustments: No change from prior month	Adjustments: I month	No change fr	om prior

Status Update: Contract amendment to complete design approved March 1.

Cost Estimate Classification: 4



Powers & Brookswood Roundabout Phase II

The stormwater from the newly constructed roundabout on Brookswood and Powers is conveyed to and drains into stormwater structures through a swale to the northeast of the roundabout. The Powers & Brookswood Roundabout Phase II Project intent is to rehabilitate this swale. This will be done by cleaning out the storm structures and re-constructing the check dams to convert the swale into a series of retention ponds. This will ensure proper erosion control and sediment collection.



Scope	Schedule	Cost
Re-construct check dams to convey water at appropriate velocity and location. Check dam height will also convert swale into retention ponds for increased retention capacity and sediment collection.	Start Date: 07/01/2016 Substantial Completion: 05/30/17 Final Closeout: 05/30/2018	Total Estimated: \$50,000 Spent to Date: \$0 % Spent to Estimated: 0%
Status: On Scope	Status: Behind 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. Waiting for final approval on design. City is evaluating whether or not to self-perform.



Egypt Waterline Project

The Egypt Waterline seeks to create a redundant water source for Juniper Ridge. This project became a Capitol 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: 09/13/2017 Final Closeout: 09/13/2018	Total Estimated: \$550,000 Spent to Date: \$0 % Spent to Estimated: 0%
Status: On Scope	Status: On Schedule	Status: On Budget
Adjustments: Initiated	Adjustments: Initiated	Adjustments: Initiated

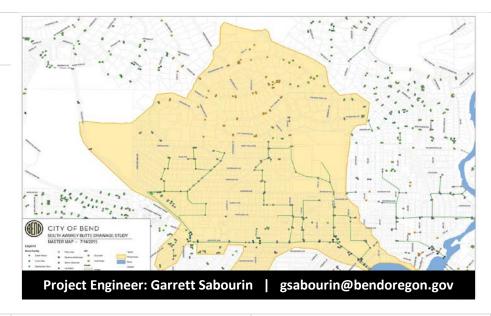
Status Update: Utilities Department 60% design review completed on March 9. Project scheduled for 100% design in April with bid advertisement on May 15. Construction scheduled for summer 2017.

Cost Estimate Classification: N/A



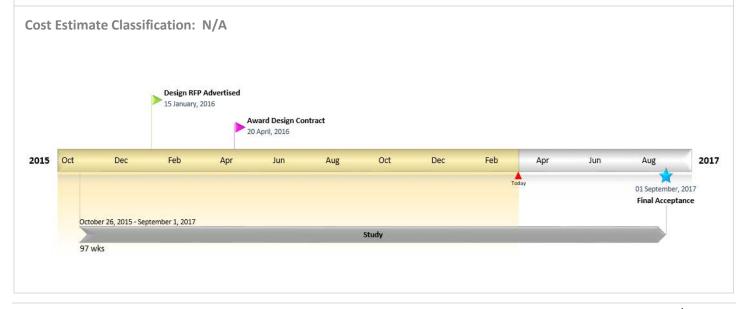
South Awbrey Butte Drainage Study

An evaluation will be completed in order to identify areas with run-off problems and complete a modeling effort in order to estimate run-off volumes. This will be the basis for future stormwater system improvements on Awbrey Butte and downstream areas.



Scope	Schedule	Cost
Complete a drainage system analysis for the southern hillside of Awbrey Butte. The intent is to identify and provide recommendations for drainage problem areas, as well as provide design peak flow rates at critical design locations along the Newport Avenue drainage.	Start Date: 7/1/15 Substantial Completion: 05/26/2017 Final Closeout: 09/01/2017	Total Estimated: \$285,000 Spent to Date: \$124,735 % Spent to Estimated: 44%
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: Consultant has completed preferred improvement area mapping and mailers sent to community members within study area soliciting feedback. Future efforts include development of alternatives to address major drainage issues.



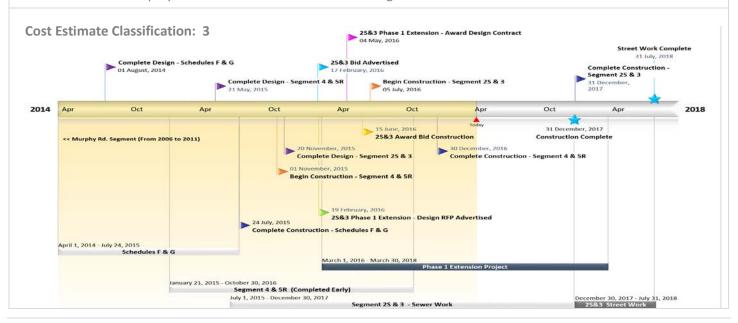
Southeast Interceptor Phase I

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.



Scope	Schedule	Cost
Design and construction of gravity	Start Date: 7/1/2006	Total Estimated: \$73,000,000
sewer, from South 3rd street to the	Sewer Completion: 12/31/2017	Spent to Date: \$42,687,452
Neff Road interim connection. Phase 1 Extension Project, approved in	Street Completion: 7/31/2018	% Spent to Estimated: 58%
January 2016, adds approximately	Final Closeout: 7/30/2019	Sub-Projects: Est. Spent
3,000 feet of sewer main work.		Previous \$17,500,000 \$16,753,532
	 Previous segments, as well as 	4&5R \$12,500,000 \$12,241,650
	4&5R, are complete.	2\$\&3 \$32,500,000 \$13,225,694
		P1EX \$10,500,000 \$466,577
Status: On Scope	Status: Potential Schedule Revision	Status: Increased Budget
Adjustments: No change from prior month	Adjustments: No change from prior month	Adjustments: No change from prior month

Status Update: Easement negotiations ongoing for Phase 1 Extension may delay procurement. Additional construction crews deployed in March. The contract is trending ahead of schedule.



North Area Sewer Capacity Improvements

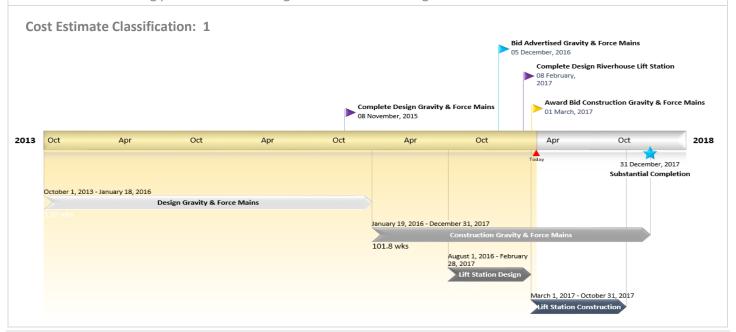
This project will increase the capacity of the gravity main downstream of the multiple force main discharge point at manhole 3157 and reroute the force main discharge from several lift stations and the NE 3rd Street pressure sewer. It will also reconfigure the structure at Mervin Sampels Bypass and include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



Project Engineer: George Franklet	gfranklet@bendoregon.gov
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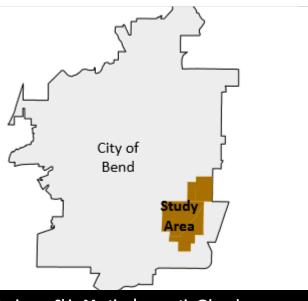
Scope	Schedule	Cost
Analysis of alternatives for pipeline route and construction methods for crossing of irrigation canals and railroad tracks; design and construction of gravity and force mains, pump station modifications, and flow bypass optimization.	Start Date: 10/1/2013 Substantial Completion: 12/31/17 Final Closeout: 12/31/18	Total Estimated: \$8,860,000* Spent to Date: \$1,114,383 % Spent to Estimated: 13% * Includes street preservation work Sub-Projects: Est. Spent Force Main \$3,855,000 \$4,163 Gravity \$4,450,000 \$1,097,344 Lift Station \$555,000 \$12,875
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: Pre-construction meeting held March 15. The North Unit Irrigation District did not issue U.S. Bureau of Reclamation crossing permit due to staffing constraints in their organization.



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 Engineer: Skip Martin	ı smartin@bendoregon.gov
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: 01/10/2019 Final Closeout: 06/30/2019*	Total Estimated: \$24,000,000* Spent to Date: \$145 % Spent to Estimated: 0.01% * City is currently only planning to design this project. Design estimated at \$2M. Percent spent based on design estimate.
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: Consultant selected for design and contract terms under negotiation. Anticipated council date to approve the contract is May 17.



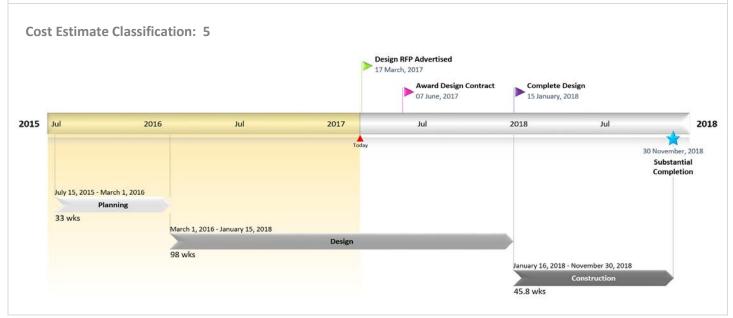
Plant Interceptor Rehabilitation

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 on the pipe segments in the worst structural condition 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.



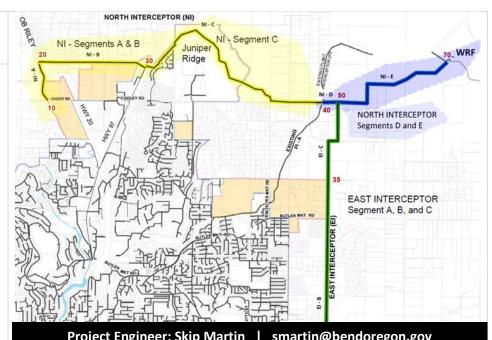
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Scope	Schedule	Cost
Rehabilitate all pipe segments and manholes with a Cured-In-Place Pipe (CIPP) liner, and replace the existing siphon junction box.	Start Date: 3/1/2015 Substantial Completion: 11/30/18 Final Closeout: 11/30/19	Total Estimated: \$10,700,000 Spent to Date: \$23,065 % Spent to Estimated: 0.22%
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 proposals due April 18 with scoring scheduled for April 26.



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).



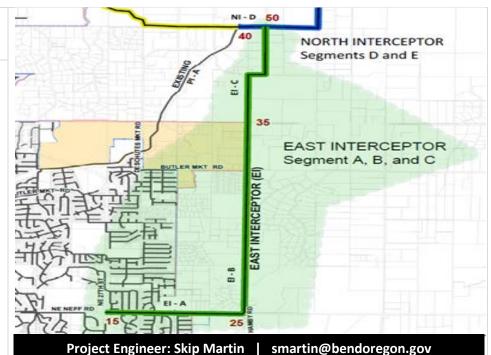
	1 Toject Engineer. Skip Wartin	3martin@bendoregon.gov
Scope	Schedule	Cost
Design, bid, contract, and build approximately 36,000 feet of gravity sewer, various diameters running along the Northern edge of Bend's UGB. Connects to the WRF.	Start Date: 3/1/17 Substantial Completion: 12/31/2022 Final Closeout: 12/31/2023	Total Estimated: \$23,000,000 Spent to Date: \$0.00 % Spent to Estimated: 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: Project initiated in March 2017. Sub-projects are currently being scoped and will be named in subsequent updates.

Cost Estimate Classification: 5

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: \$0.00 % Spent to Estimated: 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: Project initiated in March 2017.

Cost Estimate Classification: 5