

Monthly Report

Fiscal Year 2018-2019 July 2018



MONTHLY REPORT

July 2018 ISSUE 32

Contents

City of Bend 2018 – 2022 Capital Improvement Program Project List	1
Capital Improvement Program in Brief	4
EIPD Procurement Timeline	5
Collection System Enhancement Program	6
Murphy Corridor Improvements Project	7
Empire Corridor Improvements	8
14 th Street Reconstruction	9
North Interceptor Project Phase I	10
Plant Interceptor Rehabilitation	11
Solids Handling Improvements	12
Capacity Improvements Project	13
Pump Station Decommissions Program	14
Amethyst Mahogany Diversion	15
Southeast Bend Septic to Sewer Solutions	16
Citywide Safety Improvements	17
Galveston Corridor Improvements	18
Bicycle Greenways Project	19
Citywide Accessibility Improvements	20
Dean Swift Corridor Citywide Accessibility	21
Egypt Waterline Project	22
South Mirror Pond Parking Lot	23

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.

1501 Morth Interceptor Phase	City of Bend 2019-2023 Capital Improvement Program Project List											
SEAS Section Florence 1. MacElamba 1. MacElam	Project Name & Number			Project Cost							Total 2019-2023	Of Edition Total Cost
14 15 15 15 15 15 15 15	Water Reclamation											
13.55 591 schedulae 28.8.4 5 cm offered 31.50 0000 37.006,355 200,000 - - - - - 100,000 9.005 20.55 20.005 20.00	1XSEI Southeast Interceptor Projects											
March North North Foreignes March	1SP1X SEI Phase 1 Extension	J. MacClanahan	Sub. Complete	10,500,000	6,699,805	100,000	-	-	-	-	100,000	64%
MAMS North Area Server Projects	1S2S3 SEI Schedule 2S&3	E. Forster	Sub. Complete	31,500,000	30,304,550	100,000	-	-	-	-	100,000	96%
15MAR North Area Force Main G. Franklet Sub. Complete 278,000 2.729,158 100,000	1XSEI Southeast Interceptor			42,000,000	37,004,355	200,000	-	-	-	-	200,000	88%
15145 North Arcs Growly Main S. Franklet Sub. Complete 2,860,000 2,880,769 200,000 -	1XNAS North Area Sewer Projects											
NAMES North Area Sewer Projects S,619,000 S,619,	1SNAF North Area Force Main	G. Franklet	Sub. Complete	2,730,000	2,729,158	100,000	-	-	-	-	100,000	100%
North Interceptor Phase G. Franklet G. Franklet Sub. Complete 23,000,000 150,812 11,000,000 12,000,000 - 6,700,000 6,700,000 33,400,000 0 / 0 / 0 / 0 / 0 / 0 / 0 / 0 / 0	1SNAS North Area Gravity Main	G. Franklet	Sub. Complete	2,860,000	2,890,769	100,000	-	-	-	-	100,000	101%
1501 Morth Interceptor Phase Bit	1XNAS North Area Sewer Projects			5,590,000	5,619,927	200,000	-	-	-	-	200,000	101%
Shell North Interceptor Phase II & III She North Interceptor Phase III & III She North II	North Interceptor Projects					·						
North Interceptor Projects 1,000,000 15,0812 1,000,000 1,200,000 1,200,000 6,700,000 36,400,000 0.96	1SNI1 North Interceptor Phase I	G. Franklet	Sub. Complete	23,000,000	150,812	11,000,000	12,000,000	-	-	-	23,000,000	1%
SEAR Sear Reclamation Facility Projects	1SNI2 North Interceptor Phase II & III	G. Franklet	Sub. Complete	40,200,000	-	-	-	-	6,700,000	6,700,000	13,400,000	0%
1.5CAP WRF Capacity Improvements	North Interceptor Projects			63,200,000	150,812	11,000,000	12,000,000	-	6,700,000	6,700,000	36,400,000	0%
1.5 1.5	1XWRF Water Reclamation Facility Projects											
1.5 1.5	1SCAP WRF Capacity Improvements	J. Robertson	Construction	8,000,000	1,749,519	6,000,000	-	-	-	-	6,000,000	22%
15HWK Headworks	1SSHI Solids Handling Improvement Project	J. Robertson	Construction	5,500,000	9,357	1,450,000	2,500,000	1,500,000	-	-	5,450,000	0%
1 SSFU Support Facilities Uggrade	1SFPU Facilities Plan Update	J. Robertson	Pending	500,000	-	-	500,000	-	_	-	500,000	0%
1SFU Support Facilities Uggrade J. Robertson Pending 2,500,000 1-,500,000 1,758,876 7,450,000 3,000,000 1,250,000 1,250,000 1,250,000 15,450,000 15,500,000 1,250,000 15,450,000 15,550,000 1,250,000 15,450,000 15,550,000 1,250,000 15,450,000 15,550,000 1,250,000 15,450,000 15,550,000 1,250,000 15,450,000 15,550,000 1,250,000 15,450,000 15,550,000 1,250,000 15,450,000 15,550,000 1,250,000 15,450,000 15,550,000 1,250,000 15,550,000 1,250,000 15,550,000 1,250,000 15,550,000 1,250,000 15,550,000 1,250,000 15,550,000 1,250,000 15,550,000 1,250,000 15,550,000 1,250,000 15,550,000 1,250,000 15,550,000 1,250,000 15,550,000 1,250,000 15,550,000 1,250,000 15,550,000 1,250,000 1,	1SHWK Headworks	J. Robertson	Pending	1,000,000	-	-	-	-	1,000,000	-	1,000,000	0%
SCSE - Collection System Enhancement Program O. Murray Construction 11,800,000 148,515 2,360,000 2,360,000 2,360,000 2,360,000 2,360,000 11,800,000 15,805,000 15	1SSFU Support Facilities Upgrade	J. Robertson	Pending	2,500,000	-	-	-	-	1,250,000	1,250,000	2,500,000	0%
1.585D Pump Station Decommissions Program O. Murray Construction 4,500,000 64,027 1,465,000 3,000,000 - - - - 4,465,000 1 476,15035 Stoutheast Bend Septic Solutions S. Martin Planning 2,800,000 1,310,748 1,500,000 - - - - - - 1,500,000 1 478,15035 Drake Lift Station Condition Upgrade J. Robertson Planning 3,000,000 - 500,000 2,000,000 - - - - - 3,000,000 0 0 0 0 0 0 0 0	1XWRF Water Reclamation Facility Projects			17,500,000	1,758,876	7,450,000	3,000,000	1,500,000	2,250,000	1,250,000	15,450,000	10%
S. Martin Planning 2,800,000 1,310,748 1,500,000 1 1,500,000 1 47% 1,500,000 1 47% 1,500,000 1 47% 1,500,000 1 47% 1,500,000 1 47% 1,500,000 1 47% 1,500,000 1 47% 1,500,000 1 47% 1,500,000 1,400	1SCSE - Collection System Enhancement Program	O. Murray	Construction	11,800,000	148,515	2,360,000	2,360,000	2,360,000	2,360,000	2,360,000	11,800,000	* 1%
Robertson Planning 3,000,000 - 1,000,000 2,000,000 - 1,000,0	1SPSD Pump Station Decommissions Program	O. Murray	Construction	4,500,000	64,027	1,465,000	3,000,000	-	-	-	4,465,000	1%
E. Forster Pending Z.440,000 C. S00,000 470,000 1,470,000 C. 2,440,000 Z. 0% C. S00,000 Z. 0,000 Z. 0	1SBSS Southeast Bend Septic Solutions	S. Martin	Planning	2,800,000	1,310,748	1,500,000	-	-	-	-	1,500,000	1 47%
E. Forster Planning 3,900,379 379 500,000 2,400,000 1,000,000 3,900,000 2 0%	1S036 Drake Lift Station Condition Upgrade	J. Robertson	Planning	3,000,000	-	1,000,000	2,000,000	-	-	-	3,000,000	0%
Subscript Subs	1SAMM Amethyst Mahogany Street Sewer	E. Forster	Pending	2,440,000	-	-	500,000	470,000	1,470,000	-	2,440,000	2 0%
Sum Construction 7,600,000 802,173 10,000,000 - - - - - 10,000,000 11% 1550 155	1SMTI Amethyst Mahogany Diversion	E. Forster	Planning	3,900,379	379	500,000	2,400,000	1,000,000	-	-	3,900,000	2 0%
Sepso Parallel Sewer on Olney Avenue Unassigned Pending 600,000 - - 600,000 - - 600,000 0 0 0 0 0 0 0 0	1SWRF Secondary Expansion	J. Robertson	Sub. Complete	43,800,000	41,739,441	3,100,000	-	-	-	-	3,100,000	95%
SOC1 Odor Control Master Plan Unassigned Pending 1,155,000	1SPIR Plant Interceptor Rehabilitation	J. Suhr	Construction	7,600,000	802,173	10,000,000	-	-	-	-	10,000,000	11%
SSLA Sewer Storage - Land Acquisition	1SPSO Parallel Sewer on Olney Avenue	Unassigned	Pending	600,000	-	-	600,000	-	-	-	600,000	0%
SMP1 Collection System Master Plan (Years 6-10) Unassigned Pending 750,000 - - 750,000 - - 750,000 0 0 0 0 0 0 0 0	1SOC1 Odor Control Master Plan	Unassigned	Pending	1,155,000	-	-	-	-	1,155,000	-	1,155,000	0%
LogPA Gravity Pipe Condition Assessment Unassigned Pending 2,000,000 - - - 200,000 200,000 200,000 600,000 0%	1SSLA Sewer Storage - Land Acquisition	Unassigned	Pending	730,000	-	-	-	-	730,000	-	730,000	0%
Total Water Reclamation Projects 213,365,379 88,599,251 38,775,000 26,610,000 5,530,000 14,865,000 10,510,000 96,290,000 Stormwater IRNPR Newport Pipe Replacement Design Unassigned Pending 442,000 - <td< td=""><td>1SMP1 Collection System Master Plan (Years 6-10)</td><td>Unassigned</td><td>Pending</td><td>750,000</td><td>-</td><td>-</td><td>750,000</td><td>-</td><td>- </td><td>-</td><td>750,000</td><td>0%</td></td<>	1SMP1 Collection System Master Plan (Years 6-10)	Unassigned	Pending	750,000	-	-	750,000	-	-	-	750,000	0%
Stormwater Sto	1SGPA Gravity Pipe Condition Assessment	Unassigned	Pending	2,000,000	-	-	-	200,000	200,000	200,000	600,000	0%
IRNPR Newport Pipe Replacement Design Unassigned Pending 442,000 - 442,000 - - 442,000 - - 442,000 - - 442,000 - <td>Total Water Reclamation Projects</td> <td></td> <td></td> <td>213,365,379</td> <td>88,599,251</td> <td>38,775,000</td> <td>26,610,000</td> <td>5,530,000</td> <td>14,865,000</td> <td>10,510,000</td> <td>96,290,000</td> <td></td>	Total Water Reclamation Projects			213,365,379	88,599,251	38,775,000	26,610,000	5,530,000	14,865,000	10,510,000	96,290,000	
1RMP1 Stormwater Master Plan Update Unassigned Pending 500,000 - - 500,000 - - 500,000 0% 1RRMC Roosevelt & McKinley Unassigned Pending 579,000 - - - 104,000 475,000 - 579,000 0% 1RFGU Franklin & Greenwood Underpass Unassigned Pending 3,300,000 - - - - 1,200,000 600,000 1,500,000 3,300,000 0%	Stormwater											
1RMP1 Stormwater Master Plan Update Unassigned Pending 500,000 - - 500,000 - - 500,000 0% 1RRMC Roosevelt & McKinley Unassigned Pending 579,000 - - - 104,000 475,000 - 579,000 0% 1RFGU Franklin & Greenwood Underpass Unassigned Pending 3,300,000 - - - - 1,200,000 600,000 1,500,000 3,300,000 0%	1RNPR Newport Pipe Replacement Design	Unassigned	Pending	442,000	-	442,000	-	-	-	-	442,000	0%
1RRMC Roosevelt & McKinley Unassigned Pending 579,000 - - 104,000 475,000 - 579,000 0% 1RFGU Franklin & Greenwood Underpass Unassigned Pending 3,300,000 - - - 1,200,000 600,000 1,500,000 3,300,000 0%	1RMP1 Stormwater Master Plan Update				-	, -	500,000	_	_	-		
1RFGU Franklin & Greenwood Underpass Unassigned Pending 3,300,000 1,200,000 600,000 1,500,000 0%	1RRMC Roosevelt & McKinley				_	-	-	104,000	475.000	-		
	1RFGU Franklin & Greenwood Underpass				_	-	-	·		1,500.000		
	1RMNW Minnesota & Wall Stormwater				_	-	-	_				
Total Stormwater Projects 5,071,000 - 442,000 500,000 1,304,000 1,075,000 5,071,000 5,071,000					-	442,000	500,000	1,304,000	1,075,000			

City of Bend 2019-2023 Capital Improvement Program Project List											
Project Name & Number	Project Manager	Current Phase	Total Project Cost Estimate	Spent to Date	2018-19 Budget	2019-20 Projected	2020-21 Projected	2021-22 Projected	2022-23 Projected	Total 2019-2023	Percent Cost Cost Cost Cost Cost Cost Cost Cos
Transportation											
1TR3N Reed Mkt: 3rd to Newberry	G. Sabourin	Sub. Complete	13,600,000	13,437,793	160,000	-	-	-	-	160,000	99%
1TGCI Galveston Corridor Improvements	G. Sabourin	Design	950,000	493,086	265,000	-	-	-	-	265,000	52%
1TBKE Bicycle Greenways	R. Rowan	Planning	900,000	1,936	440,000	225,000	225,000	-	-	890,000	0%
1TMPR Murphy & Parrell Roundabout	G. Sabourin	Sub. Complete	2,580,000	2,577,559	5,000	5,000	-	-	-	10,000	100%
1TNPS Neff and Purcell Intersection Design	R. Rowan	Planning	800,000	-	200,000	600,000	-	-	-	800,000	0%
1TCSI Citywide Safety Improvements	R. Rowan	Planning	2,940,600	884,689	1,590,600	1,000,000	-	-	-	2,590,600	30%
14th Street Reconstruction Projects											
1T14R 14th St. Reconstruction	G. Sabourin	Construction	4,600,000	3,630,589	1,502,028	-	-	-	-	1,502,028	79%
1T14B 14th St. Reconstruction Phase II	G. Sabourin	Construction	6,100,000	1,913,295	4,065,560	-	-	-	-	4,065,560	31%
14th Street Reconstruction Projects			10,700,000	5,543,883	5,567,588	-	-	-	-	5,567,588	52%
1XECI Empire Corridor Improvement Projects											
1TECI Purcell Roundabout	S. Burr	Design	2,000,000	415,479	2,000,000	-	-	-	-	2,000,000	21%
1TEC2 Empire Corridor Modernization	S. Burr	Design	1,900,000	-	1,900,000	-	-	-	-	1,900,000	0%
1TEC3 Empire Extension	S. Burr	Design	10,800,000	-	1,600,000	8,500,000	700,000	-	-	10,800,000	0%
1TEC4 Empire & 27th Street Roundabout	S. Burr	Design	3,500,000	-	300,000	2,300,000	700,000	200,000	-	3,500,000	0%
1TEC5 Purcell Butler Market	S. Burr	Planning	2,500,000	-	-	100,000	200,000	2,000,000	200,000	2,500,000	0%
1TEC6 Purcell Modernization	S. Burr	Planning	2,700,000	-	-	100,000	800,000	1,600,000	200,000	2,700,000	0%
1XECI Empire Corridor Improvements Program			23,400,000	415,479	5,800,000	11,000,000	2,400,000	3,800,000	400,000	23,400,000	2%
1TMCI Murphy Corridor Improvement Projects											
1TMCI RR Bridge Crossing at Brosterhous & 15th	G. Sabourin	Design	6,739,000	-	842,400	5,896,600	-	-	-	6,739,000	0%
1TMC2 Brosterhous to 15	G. Sabourin	Design	6,795,474	14,274	673,900	3,706,500	2,400,800	-	-	6,781,200	0%
1TMC3 Brosterhous RAB	G. Sabourin	Design	2,948,300	-	505,400	252,700	2,190,200	-	-	2,948,300	0%
1TMC415th & Murphy RAB	G. Sabourin	Planning	2,948,300	-	-	505,400	252,700	2,190,200	-	2,948,300	0%
1TMC5 Country Club RAB	G. Sabourin	Planning	2,948,300	-	-	-	505,400	252,700	2,190,200	2,948,300	0%
1TMC6 Existing Corridor Improvements Parrell to Brosterhous	G. Sabourin	Planning	9,634,900	-	-	-	-	1,493,800	2,431,700	3,925,500	0%
1TMCI Murphy Corridor Improvements			32,014,274	14,274	2,021,700	10,361,200	5,349,100	3,936,700	4,621,900	26,290,600	0%
1XCAI Citywide Accessibility Improvement Projects											
1ACAI Citywide Accessibility Improvements	R. Rowan	Construction	950,718	893,718	57,000	-	-	-	-	57,000	94%
1ADSC Dean Swift Road Corridor	R. Rowan	Planning	150,495	495	150,000	-	-	-	-	150,000	0%
1ACA1 NE Division Street Corridor	R. Rowan	Planning	500,000	-	500,000	-	-	-	-	500,000	0%
1ACA2 Lodge Pole Drive Corridor	R. Rowan	Pending	315,000	-	-	315,000	-	-	-	315,000	0%
1ACA3 Poplar Street Corridor	R. Rowan	Pending	250,000	-	-	250,000	-	-	-	250,000	0%
1ACA4 SW Truman Hill Taft Silver Lake Corridor	R. Rowan	Pending	440,000	-	-	-	440,000	-	-	440,000	0%
1ACA5 SW Cleveland Avenue Corridor	R. Rowan	Pending	190,000	-	-	-	190,000	-	-	190,000	0%
1ACA6 NW Delaware Avenue Corridor	R. Rowan	Pending	500,000	-	-	-	-	500,000	-	500,000	0%
1ACA7 NW Hill Street Corridor	R. Rowan	Pending	250,000	-	-	-	-	250,000	-	250,000	0%
1ACA8 NW Seismore Street Corridor	R. Rowan	Pending	125,000	-	-	-	-	125,000	-	125,000	0%
1ACA9 Riverwest Neighborhood	R. Rowan	Pending	350,000	-	-	-	-	-	350,000	350,000	0%
1A1CA Riverside Neighborhood	R. Rowan	Pending	350,000	-	-	-	-	-	350,000	350,000	0%
1ACAI Citywide Accessibility Improvements			4,371,213	894,213	707,000	565,000	630,000	875,000	700,000	3,477,000	20%
Total Transportation Projects			89,315,487	23,378,223	16,756,888	23,756,200	8,604,100	8,611,700	5,721,900	63,450,788	

City of Bend 2019-2023 Capital Improvement Program Project List												
Project Name & Number	Project Manager	Current Phase	Total Project Cost Estimate	Spent to Date	2018-19 Budget	2019-20 Projected	2020-21 Projected	2021-22 Projected	2022-23 Projected	Total 2019-2023	Budget Notes	Percent Total Cost Est. Spent
Water												
1WEWL Egypt Waterline	E. Forster	Construction	771,000	203,583	400,000	-	-	-	-	400,000		26%
1WMP1 Water Master Plan Update	Unassigned	Planning	800,000	45,500	750,000	-	-	-	-	750,000		6%
1WAWP Awbrey Well Supply Expansion	Unassigned	Pending	2,021,760	-	-	2,021,760	-	-	-	2,021,760		0%
1WCPS College Parallel Pipe Study	Unassigned	Pending	1,215,760	-	-	1,215,760	-	-	-	1,215,760		0%
1WLPE Lafayette Pipe Enlargement	Unassigned	Pending	250,640	-	-	250,640	-	-	-	250,640		0%
1WVSS Valves Operational System Study	Unassigned	Pending	234,000	-	-	78,000	78,000	78,000	-	234,000		0%
1WSPP Parallel Piping Brookswood to Brosterhaus	Unassigned	Pending	1,596,400	-	-	-	1,596,400	-	-	1,596,400		0%
1WSSC New Water Well Near NE Shirley Court	Unassigned	Pending	2,830,464	-	-	-	2,830,464	-	-	2,830,464		0%
1WRBO Parallel Piping Rock Bluff to Brookswood	Unassigned	Pending	2,940,000	-	-	-	-	2,940,000	-	2,940,000		0%
1WSWO New Water Well Shiloh Site	Unassigned	Pending	2,721,600	-	-	-	-	2,721,600	-	2,721,600		0%
1WBRM Parallel Mains Brosterhous/Reed Mkt	Unassigned	Pending	1,742,000	-	-	-	-	-	1,742,000	1,742,000		0%
Total Water Projects			17,123,624	249,083	1,150,000	3,566,160	4,504,864	5,739,600	1,742,000	16,702,624		
Total 2017-2020 Capital Improvement Program			324,875,489	112,226,557	57,123,888	54,432,360	19,942,964	30,291,300	19,723,900	181,514,412		

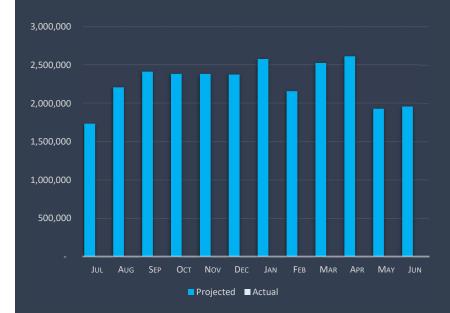
Budget Notes & Revisions

- * Capital R&R Program performed by EIPD but not included in the CIP budget documents.
- 1 Project budget funded with 2018 FYE rollover
- 2 No change in overall budget with addition of sub-project. Budget transferred from 1SAMM.

CAPITAL IMPROVEMENT PROGRAM budget & spending

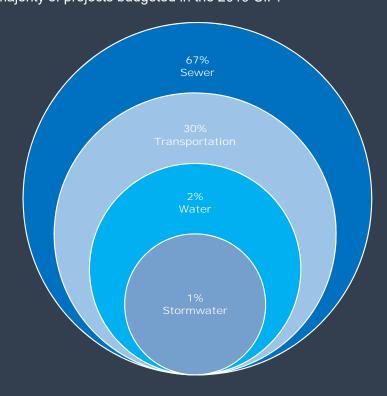
2019 PROJECTED MONTHLY SPENDING

The forecasted spending is based on current contract encumbrances and established project budgets. Projections are updated as projects contract throughout the year.



2019 BUDGETS BY PROGRAM

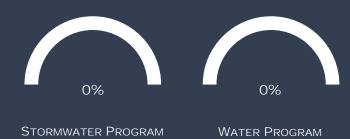
Sewer and Transportation, including Transportation Construction, Accessibility and General Obligation Bond projects, represent the majority of projects budgeted in the 2019 CIP.



BUDGETS SPENT by program

Total percent budget spent FY 2019 for each program.







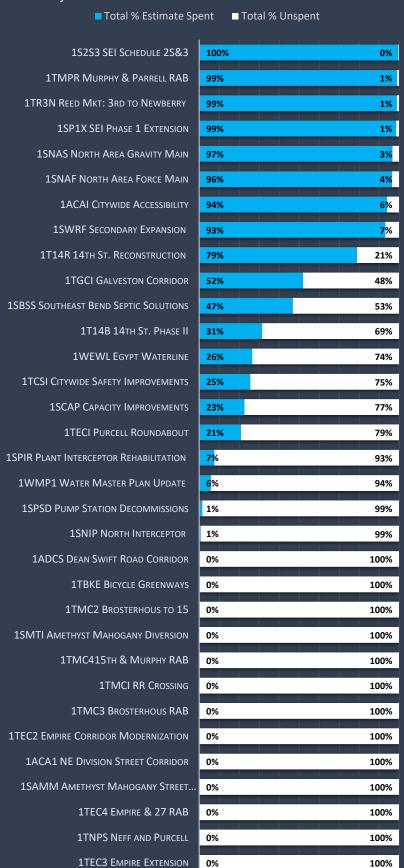
PROJECT PHASE

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



SPENDING ON ACTIVE PROJECTS

Total percentage of budgets spent over the lifespan of the project for CIP projects that are active in fiscal year 2019.



CLEAN WATER



EIPD has participated in the Clean Water State Revolving Fund (CWSRF) loan program since 2011.

The program, administered by the State of Oregon Department of Environmental Quality, provides below market rate loans for the planning, design and construction of various water pollution control activities.

The of Bend has received significant assistance from the CWSRF program. We have over \$150 million in loans issued to date and expect to apply for an additional \$18 million in funding by the end of this fiscal year.

LOANS BY PROJECT

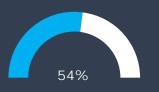
Information is grouped by major project over the life of the program.



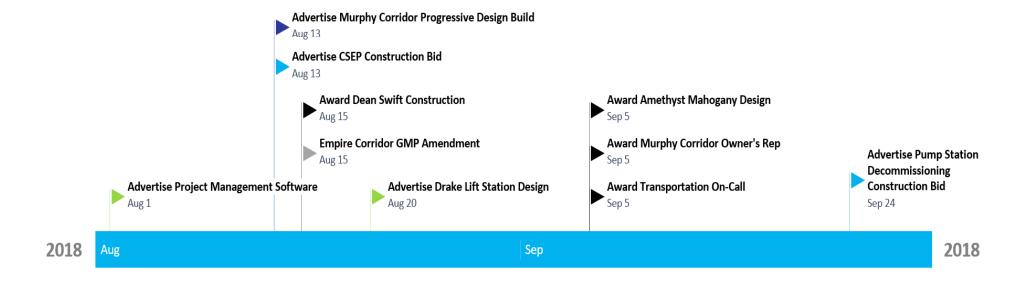
TOTAL AMOUNT DISBURSED

Disbursements are processed monthly for projects active in construction.

100%



EIPD Procurement Timeline



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

Collection System Enhancement Program

This program includes approximately 100 capital repair and replacement projects identified in the Collection System Master Plan. The total work scheduled for all projects over the next 25 years is about \$120 million.	Planning Complete	Construction Compa	Our Complere
Project Manager: Oliver Murray omurray@bendoregon.gov	Planning Design	(0) (0) (0) (0) (0) (0) (0) (0) (0) (0)	5
#97A The Shire Lift Station Decommission - Gravity Sewer Diversion	•		
#97B The Shire Lift Station Decommission	•		
#53 Underwood Lift Station Condition Upgrade	• •		
#27 Pioneer Lift Station Condition Upgrade	•		
#45 Renwick Lift Station Condition Upgrade	• •		
#65A Nottingham #1 Lift Station Decommission - Gravity Sewer Diversion	•		
#72 Quail Crossing Lift Station Hydraulic Replacement	•		
#62A Camden Park Lift Station Decommission - Gravity Sewer Diversion	•		
Riverhouse Lift Station	•		
#35 Deschutes Business Lift Station Condition Upgrade	•		
#50 The Pines #5 Lift Station Condition Upgrade	•		
#26 Canal View Lift Station Hydraulic Upgrade	•		
#41 Pacific Lift Station Condition Upgrade	•		
#46 Rimrock #1 Lift Station Condition Upgrade	•		
#47 Rimrock #2 Lift Station Condition Upgrade	•		
#48 Rimrock #4 Lift Station Condition Upgrade	•		
#49 Rimrock #5 Lift Station Condition Upgrade	•		
			1

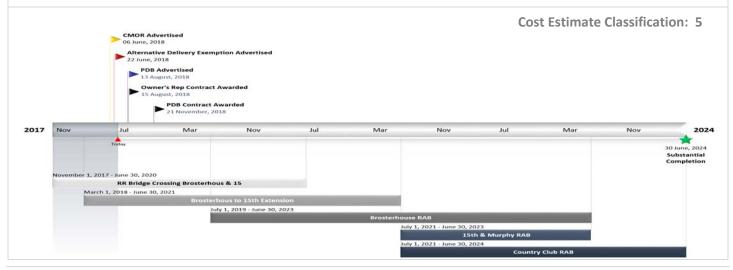
Murphy Corridor Improvements Project

Murphy Road is a collector route located in the SE corner of Bend. The Corridor has undergone several transportation network upgrades over the previous decade and remaining upgrades will be seen between the intersections of Parrell and 15th. Additional improvements shall improve safety, efficiency, connectivity and reliability of the transportation system in SE Bend.



Cost Scope Schedule Progressive design build delivery Start Date: 11/1/2018 Total Estimated: \$32,000,000 method will be utilized to complete Substantial Completion: 10/31/2022 Spent to Date: \$14,274 several subprojects, including the Final Closeout: 12/31/2022 % Spent to Estimated: 0.04% Brosterhouse to 15th Roadway Extension, including Bridge at BNSF Sub-Projects: Est. Spent Railway Crossing, a roundabouts at \$6,739,000 \$0 RR/Bridge Brosterhous, Country Club, 15th and \$6,781,200 \$14,274 Extension widening and complete street B-haus RAB \$2,948,300 \$0 upgrades at Parrell to Brosterhouse. 15th RAB \$2,948,300 \$0 C. Club RAB \$2,948,300 \$0 Corridor Imp. \$9,634,900 \$0 Status: On Schedule Status: On Scope Status: On Budget Adjustments: No change from prior Adjustments: No change from prior Adjustments: No change from prior month month month

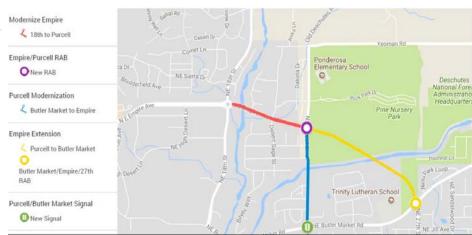
Status Update: Multiple procurements initiated. Separated Construction Manager from Owner's Representative contracts in order to increase competition. Traffic study needed in order to maintain an aggressive early design schedule.



Empire Corridor Improvements

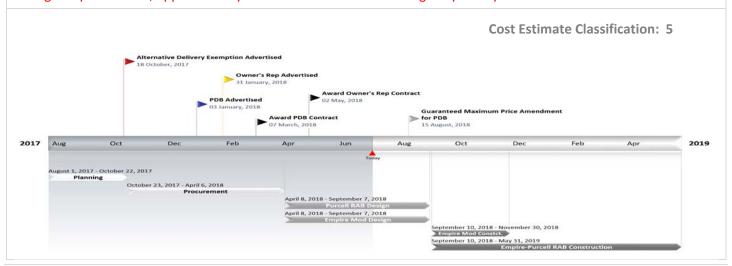
Planning and preliminary design for Empire Avenue began in 2005. In 2017 Council designated it as a high priority for improving the safety, efficiency, and reliability of transportation in northeast Bend. Council identified the design and construction of a roundabout at the Empire/Purcell intersection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

Primary Contact: George Franklet | gfranklet@bendoregon.gov



Schedule Scope Cost Six distinct but interrelated sub-Start Date: 08/1/2017 Total Estimated: \$23,400,000 projects are included: Empire/Purcell Substantial Completion: 5/31/19 Spent to Date: \$415,479 Roundabout, Empire Avenue Final Closeout: 5/31/20* % Spent to Estimated: 1.78% Modernization, Purcell Boulevard Modernization, Empire Avenue Sub-Projects: Est. Spent Extension, Purcell/Butler Market * Current schedule for Empire Ave. Purcell RAB \$2,000,000 \$415.479 Signal Modernization and 27th Street Modernization and Empire-Purcell Empire Mod \$1,900,000 \$0 Roundabout. Due to the complexity RAB only. Other projects will be Purcell Mod \$0 \$2,700,000 of implementing all the related added to the timeline at a future \$0 **Emp Extension** \$10,800,000 components of the project, a date. \$0 Butler Mkt Sig \$2,500,000 Progressive Design-Build project Emp/27 RAB \$3,500,000 \$0 delivery method will be used. **Status: Potential Scope Modification Status: Baseline Schedule** Status: On Budget **Adjustment** Adjustments: Butler Market Signal Adjustments: Schedule compressed Adjustments: No change from prior may be modified to a roundabout. by combining Empire-Purcell RAB and month Cost estimates reflect this potential Empire Mod construction schedules. change.

Status Update: Proceeding to 60% design and guaranteed maximum price award anticipated August 15. Construction to begin September 10, approximately three months earlier than originally anticipated.



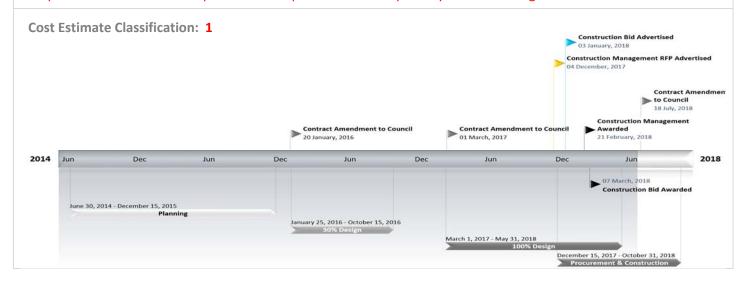
14th Street Reconstruction

Improve safety of corridor between 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.



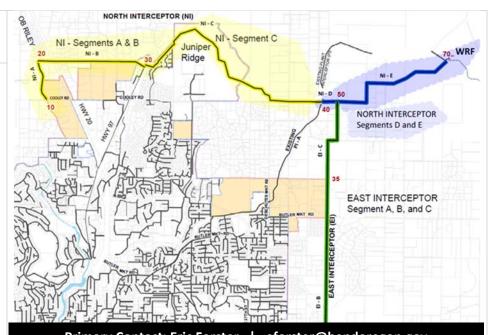
Schedule Cost Scope Upgrade to City standard to include Start Date: 06/30/2014 Total Estimated: \$10,700,000 but not limited to: roadway, surface, Substantial Completion: 12/31/2018 Spent to Date: \$5,543,883 curbs, sidewalks, and striping. Final Closeout: 12/31/2019 % Spent to Estimated: 52% Includes safety improvements for bicycles, pedestrians and vehicles. Sub-Projects: Est. Spent The project will be constructed in 14th St. Recon \$4,600,000 \$3,630,586 two phases. Phase I: Simpson to Phase II 14th St. \$6.100.000 \$1.913.295 Albany & Galveston to Newport; Phase II: Donovan to Simpson & Albany to Galveston. **Status: Added Scope** Status: Baseline Schedule **Status: Increased Budget Adjustment** Adjustments: Improvements to 14th Adjustments: Schedule adjusted to Adjustments: Budget increased to Street between Galveston Avenue accommodate added scope. cover added scope. and Albany Avenue

Status Update: Recently completed Stage I and Stage III improvements, Simpson to Albany. Stage II, Galveston to Newport under full closure. Improvements expected to be complete by the end of August.



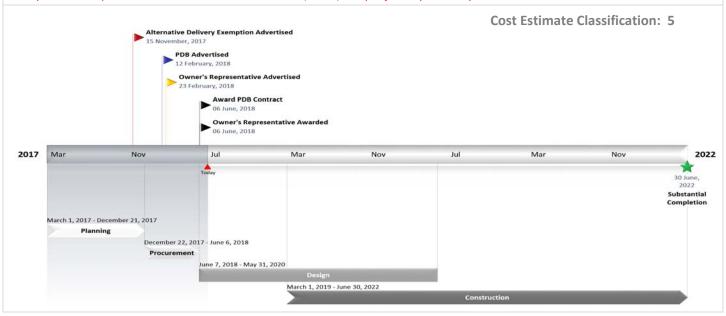
North Interceptor Project Phase I

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).



	Primary Contact: Eric Forster	eforster@bendoregon.gov
Scope	Schedule	Cost
Design, bid, contract, and build approximately 10,500 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: \$150,812 % Spent to Estimated: 0.66%
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: Contract for Progressive Design Build approved June 6 to initiate design services and alternatives analysis. Anticipate Guaranteed Maximum Price (GMC) for project by January 2019.



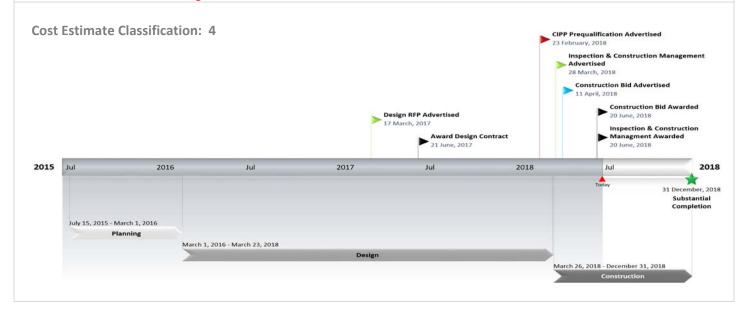
Plant Interceptor Rehabilitation

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: \$7,600,000 Spent to Date: \$802,173 % Spent to Estimated: 11%
Status: On Scope	Status: On Schedule	Status: Reduced Cost Estimate
Adjustments: No change from prior month	Adjustments: No change from prior month	Adjustments: Construction bid, Inspection and Construction Management Contracts received

Status Update: Preconstruction meeting held July 17 and contractor will start preparing submittals and mobilizing to the job site by early August. Total cost estimate was reduced as a result of construction bid, inspection and construction contracts coming in lower than estimated.



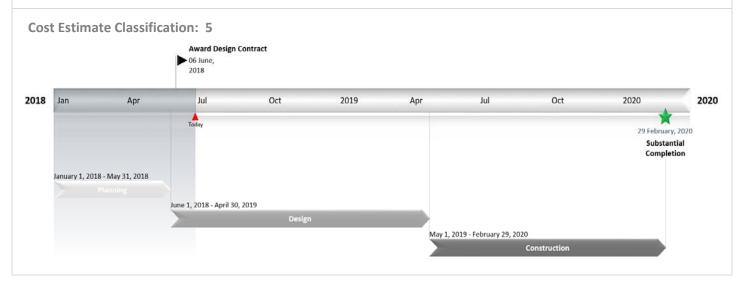
Solids Handling Improvements

The City of Bend's Water Reclamation Facility (WRF) solids handling dewatering process has maintenance, redundancy, and operational challenges. The system is nearing capacity and there is heavy corrosion in both the building and on equipment resulting in deterioration of assets.



Scope	Schedule	Cost	
The objective of the project is to upgrade the solids dewatering process to ensure (1) increase in dewatering performance while continuing to produce Class A biosolids, (2) increase capacity, (3) increase asset lifespan, and (4) provide safe work environment for staff.	Start Date: 6/1/2018 Substantial Completion: 2/29/2020 Final Closeout: 3/1/2021	Total Estimated: Spent to Date: % Spent to Estimated:	\$5,500,000 \$9,357 0.17%
Status: On Scope	Status: On Schedule	Status: On Budget	
Adjustments: Initiated	Adjustments: Initiated	Adjustments: Initiated	

Status Update: Project kickoff has occurred. Condition assessment of existing facilities will occur through July. Structural, electrical and process specialties are being evaluated. Lab analysis of sludge is underway.



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.



Scope	Schedule	Cost
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.	Start Date: 4/1/2017 Substantial Completion: 4/30/19 Final Closeout: 4/30/2020	Total Estimated: \$8,000,000 Spent to Date: \$1,749,519 % Spent to Estimated: 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: Work on basin 3 and pump station A continues to progress. Startup of each of these facilities will occur at the end of July and early August.



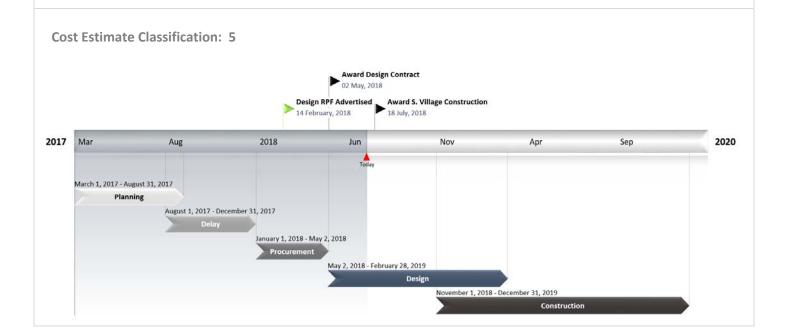
Pump Station Decommissions Program

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, Murphy, 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: 12/31/2019 Final Closeout: 12/31/2020	Total Estimated: \$4,500,000 Spent to Date: \$64,027 % Spent to Estimated: 1.42%
Status: Increase Scope	Status: On Schedule	Status: Budget Increase
Adjustments: To include design of additional pump stations	Adjustments: No change from prior month	Adjustments: Budget increased to include design of additional pump stations

Status Update: Project list prioritized and total cost estimate increased as additional projects shifted into the 5-year Capital Improvement Program.



Amethyst Mahogany Diversion

This project is a sewer diversion structure and pipeline, approximately 1,200 lineal feet in length that will serve the Amethyst-Mahogany sewer collection basin and reroute flows into the recently completed Southeast Interceptor. This action will mitigate capacity constrained segments of the Central Interceptor.



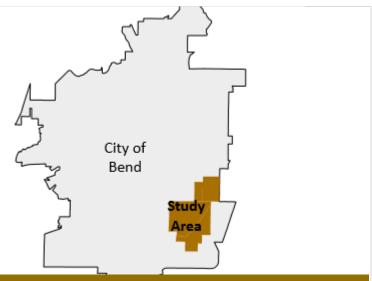
Scope	Schedule	Cost	
Design and construction of a diversion box and pipeline routing sewer flows to the Southeast Interceptor.	Start Date: 7/1/2018 Substantial Completion: 11/30/2019 Final Closeout: 11/30/2020	Total Estimated: Spent to Date: % Spent to Estimated:	\$3,900,000 \$379 0.01%
Status: On Scope Adjustments: Project initiated	Status: On Schedule Adjustments: Project initiated	Status: On Budget Adjustments: Project in	itiated

Status Update: Project Initiated. A RFP for design services has been advertised. A consultant will be selected in August and a contract will be prepared for council approval in September.



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.



Primary	Contact: Skin Martin	smartin@bendoregon.gov
rillialy	Contact. Skip ivial till	Siliai tili@belluolegoli.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: 12/31/2019 Final Closeout: 12/31/2019*	Total Estimated: \$2,800,000* Spent to Date: \$1,310,748 % Spent to Estimated: 47% * 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: SE Bend Septic to Sewer Advisory Committee presented recommendations to Council July 18. Recommendations include adopt a septic tank elimination program, require septic tank owners to hookup, limit homeowner costs, coordinate contractor work and provide resources. Public outreach continues with a listening session scheduled in August.

Cost Estimate Classification: 3 30% Design 15 June, 2018 Complete **Award Design Contract Desgin RFP Advertised Design** ▶ 07 June, 13 February, 2017 2017 2016 Oct Apr Aug Oct Feb Apr Jun 2018 Aug 06 Septer ber, 2018 **Funding Meeting** October 10, 2016 - January 2, 2017 Planning January 3, 2017 - September 6, 2018

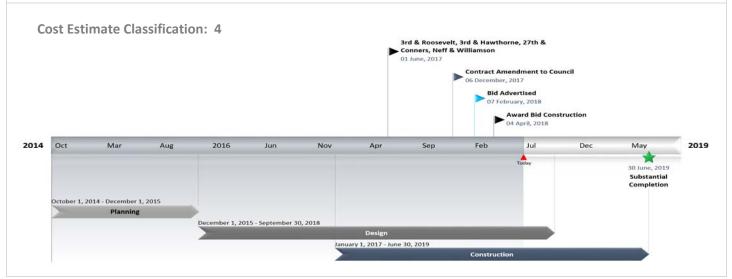
Citywide Safety Improvements

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.



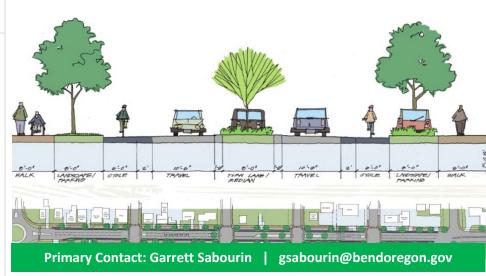
Scope	Schedule	Cost
Survey, design, traffic analysis, public involvement, and construction of safety improvements at the following locations: 3rd St at Hawthorne, Franklin, Roosevelt, and Reed Market, Colorado Ave & Bend Pkwy (US Hwy 97) interchange, Neff Rd at Williamson Blvd, 27th St at Conners Ave, Brosterhous Road railroad underpass, Pinebrook and Canal.	Start Date: 10/1/2014 Substantial Completion: 9/30/2018 Final Closeout: 9/30/2019	Total Estimated: \$2,9500,000 Spent to Date: \$884,689 % Spent to Estimated: 30%
Status: On Scope	Status: On Schedule	Status: Budget Reduction
Adjustments: No change from prior month	Adjustments: No change from prior month	Adjustments: Construction costs lower than original estimates

Status Update: Budget reduction attributed to cost efficiencies with synergy projects. Neff & Williamson was constructed in tandem with the Southeast Interceptor and 3rd & Roosevelt was in tandem with the S. 3rd Street Project. Construction for the 27th and Connors Crossing project is complete. Select projects may require potential eminent domain acquisition for right of way.



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
Scope includes the design of the three-lane hybrid option, Deschutes River Bridge to 14 th Street, from 30% to final design. The three-lane hybrid option is seen in the above exhibit and includes drainage improvements, pedestrian crossings, raised medians, buffered bike lanes, on-street parking and ADA compliant pedestrian facilities.	Start Date: 06/01/2011 Substantial Completion: TBD Final Closeout: 01/31/2019** ** Construction not funded. Final closeout indicates 100% design.	Total Estimated: \$950,000† Spent to Date: \$493,086* % Spent to Estimated: 52% † Total cost estimate for design * Includes planning prior to CIP
Status: On Scope	Status: Baseline Schedule Adjustment	Status: On Budget
Adjustments: No change from prior month	Adjustments: Schedule pushed out to accommodate workload constraints	Adjustments: No impact to budget from schedule adjustment

Status Update: Design has progressed to 60% with an internal review expected to be complete by mid-August with final design by December 2018.



Bicycle Greenways Project

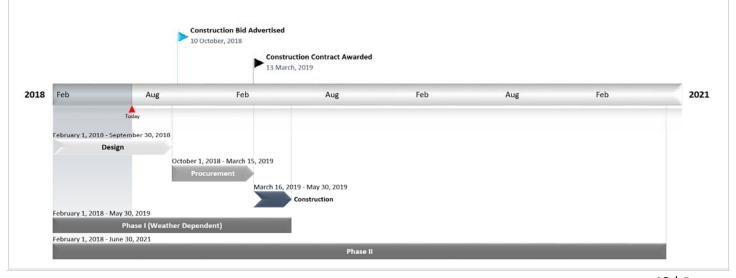
An initial network of neighborhood greenways across Bend will be created to make walking and biking a more comfortable and safe travel option. It will be implemented in phases and by corridor over multiple years. The proposed improvements will provide safer connections, reduce cut through traffic and speeds, help people cross busier streets, and link together housing, parks, schools, and businesses.



Scope	Schedule	Cost
Design, public outreach, and construction of signs, pavement markings, and traffic calming improvements across a 9-mile network of local streets. The initial phase currently underway includes: NE 6 th St (Greenwood to Butler Market) NW/SW 15 th St (Simpson to Galveston)	Start Date: 2/1/2018 Substantial Completion: 06/30/2021 Final Closeout: 06/30/2022	Total Estimated: \$900,000 Spent to Date: \$1,936 % 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: Phase 1 (NE 6th & NW 15th Streets) design will be completed by fall. Phase 1 bidding and construction planned over winter with tentative Council award date in March and construction in spring 2019.

Cost Estimate Classification: 5



Citywide Accessibility Improvements

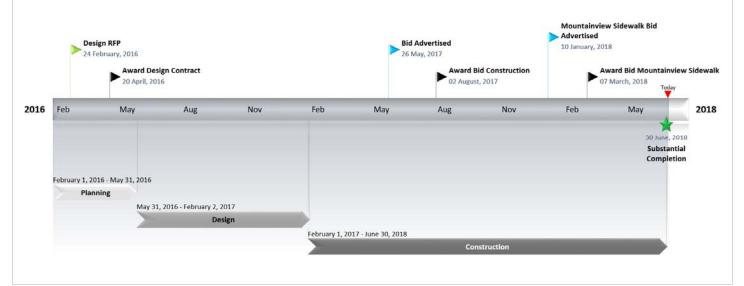
Through the help of dedicated volunteers on the City of Bend Accessibility Advisory Committee (COBAAC) and the Central Oregon Coalition for Access (COCA), key corridors and neighborhoods across the city have been prioritized for accessibility improvements. This project will design, construct, or repair 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 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.	Start Date: 3/1/16 Substantial Completion: 06/30/2018 Final Closeout: 06/30/19 Completed Projects: NE Kearney Ave NE Wells Acres Rd Broadway & Delaware Mountain View Sidewalk	Total Estimated: \$1,156,000 Spent to Date: \$893,718 % Spent to Estimated: 77%
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: Mountain View sidewalk construction is complete. All sub-projects are substantially complete. This is the final month this project will be included in the monthly report.

Cost Estimate Classification: 1



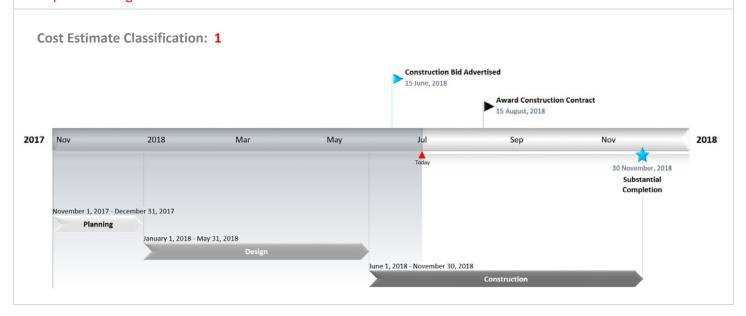
Dean Swift Corridor Citywide Accessibility

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: 11/01/2017 Substantial Completion: 11/30/2018 Final Closeout: 11/30/2019	Total Estimated: \$150,000 Spent to Date: \$495 % Spent to Estimated: 0.33%
Status: On Scope	Status: Baseline Schedule Adjustment	Status: On Budget
Adjustments: No impact anticipated due to schedule adjustment	Adjustments: Right of way acquired and project schedule adjusted	Adjustments: No impact anticipated due to schedule adjustment

Status Update: Construction bids received July 19th. Contractor has been selected and that contract approval is anticipated on August 15th.



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.

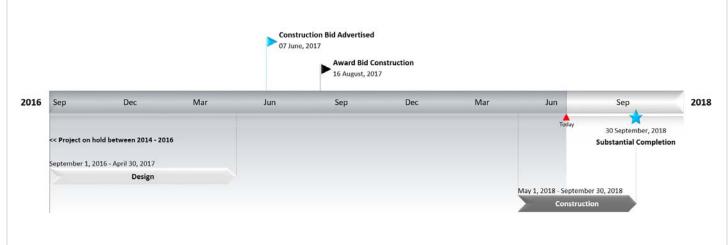
Primary Contact: Brad Tower | btower@bendoregon.gov



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: 09/30/18 Final Closeout: 09/30/18	Total Estimated: \$771,000 Spent to Date: \$203,583 % Spent to Estimated: 26% Additional Funding Sources: Parks & Rec: \$51,995 COB Street Ops: \$83,033 School District: \$6,000
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 progressing with approximately 800 feet of pipe installed within two weeks of construction.

Cost Estimate Classification: 1



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.



Scope	Schedule	Cost
This is a synergy project with the Economic Development Department and Bend Police Department.	Start Date: 9/1/2017 Substantial Completion: 05/31/2019 Final Closeout: 05/31/2020	Total Estimated: \$470,000 Spent to Date: \$65,001 % Spent to Estimated: 14%
Status: On Scope	Status: Potential Schedule Delay	Status: On Budget
Adjustments: No change from prior month	Adjustments: Staffing constraints have impacted project schedule	Adjustments: No change from prior month

Status Update: Land use submittal to planning is anticipated by the end of July. Project team working to address resource constraints to limit impact project schedule.

