

Monthly Report

Fiscal Year 2016-2017 September 2016



MONTHLY REPORT

September 2016 ISSUE 13

Table of Contents

Executive Summary1
2017 – 2021 Project List 5
S. 3rd St. Pedestrian Improvements7
Phase 2 - S. 3 rd Street Improvements 8
Citywide Accessibility Improvements 9
Galveston Corridor Improvements 10
Citywide Safety Improvements11
14 th Street Reconstruction 12
Downtown City Offices Sidewalk 13
Powers & Brookswood Roundabout Phase
II
Southeast Interceptor Phase I
Valhalla Odor Control & Sewer Relocation. 16
North Area Sewer Capacity Improvements 17
Colorado Pump Station and Sewer Mains 18
Plant Interceptor Rehabilitation 19
Riverhouse Lift Station Hydraulic Upgrade. 20
South Awbrey Butte Drainage Study 21

FROM THE DIRECTOR

The City of Bend has been working for nearly three years to implement citywide software to replace the aging green screen systems in use for over 20 years. The Phase 1 Financial implementation will go live on November 1, 2016. The new system will enhance financial reporting on CIP Projects. Below are a few highlights of what you might expect to see in the coming months.

- New Projects. With the addition of parent/child relationships projects with multiple phases, such as the Southeast Interceptor and the Colorado Pump Station and Force Main, will now be identified individually in the CIP.
- Comprehensive Rollup. All sub-project (child projects) financial information will roll up to the major (parent) project to provide a comprehensive financial view of the project regardless of the type. This means that we will be able to track all elements, such as street and sewer work, in one project instead of setting up multiple projects.
- Expanded Reporting Categories. The addition of phase and task codes allow for a refined level of reporting costs.

My staff and I are very excited to implement this new technology.

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

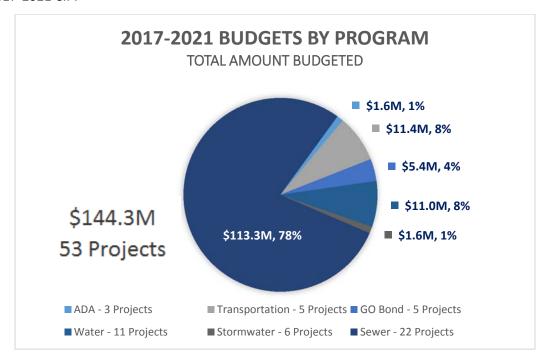
CIP by the Numbers

This section identifies changes to the CIP for the reporting period: August 1, 2016 – August 31, 2016

0 Initiated No new projects

O Substantial Completion No projects completed

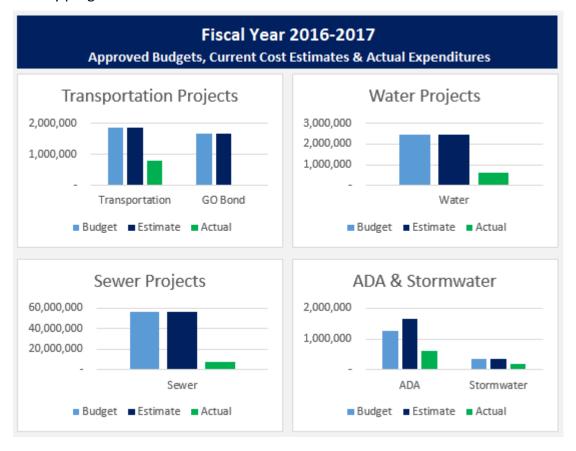
The graph below shows the number of projects, amounts budgeted and the percentage of budgets by program for the 2017-2021 CIP.



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

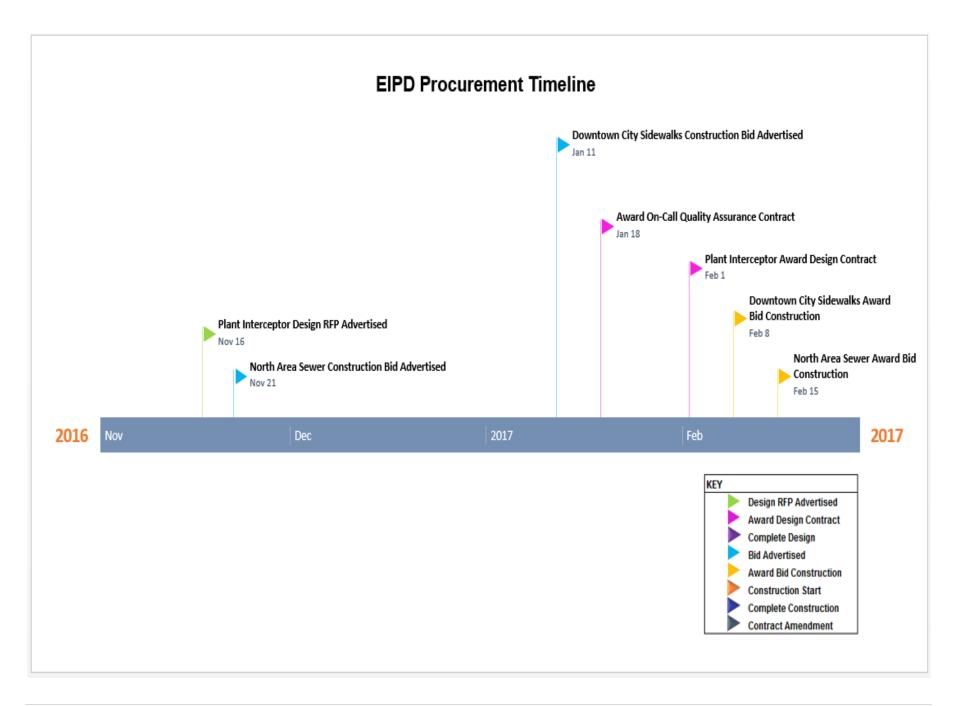
Status	CIP	R&R
Open (Active):	19	1
In planning, design or construction phase	15	1
Substantially Complete (Active):	4	0
Asset transferred to Operations and City has beneficial use	4	U
Closed (Not Active):	0	0
Completed 1-2 yr. warranty; Cancelled; Transferred project to Ops	U	U
Pending (Not Active):	30	15
Scheduled to start within 5-Year CIP Plan	30	13
Total	53	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	Projects	20	17 FY Budget	2	2017 FY Spent	Remaining
Water Reclamation	22	\$	56,484,700	\$	8,186,327	\$ 48,298,373
Water	11	\$	2,443,100	\$	626,716	\$ 1,816,384
Transportation	5	\$	1,869,022	\$	801,678	\$ 1,067,344
GO Bond	5	\$	1,682,300	\$	19,174	\$ 1,663,126
ADA Construction	4	\$	1,267,000	\$	600,723	\$ 666,277
Stormwater	6	\$	350,000	\$	189,556	\$ 160,444
Totals	53	\$	64,096,122	\$	10,424,174	\$ 53,671,948



This page intentionally left blank

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	2017-2020 Budgeted	Budget Revisions	Percent Project Estimate Spent
ADA Construction														
AA11FA South 3rd Street Pedestrian Improvements	2011	03/31/17	Design	1	666,500	667,675	100,000	-	-	-	-	100,000		100%
AA16AA Citywide Accessibility Improvements	2016	9/28/18	Design	4	750,000	96,116	400,000	300,000	-	-	-	700,000		13%
AA16BA Downtown City Offices Sidewalk	2016	06/30/17	Design	4	250,000	726						-	1	0%
AA17XX Future ADA Projects	2017	07/10/05	Pending	5	642,000	-	767,000	-	-	-	-	767,000	1	0%
Total ADA Construction Projects					2,308,500	764,518	1,267,000	300,000	-	-	-	1,567,000		
BURA - Murphy Crossing Construction														
ST15MA Murphy & Parrell Roundabout	2015	07/29/16	Sub.Complete	1	2,000,000	1,515,447	355,022	-	-	-	-	355,022		76%
Total BURA Projects					2,000,000	1,515,447	355,022	-	-	-	-	355,022		
Transportation Construction														
ST11GA Galveston Corridor Improvements	2011	10/15/16	Design	5	2,700,000	296,029	225,000	-	-	-	-	225,000		11%
ST14CA Sidewalk Design and Projects	2017	2018	Pending	5	3,550,000	33,271	140,000	380,000	1,830,000	1,150,000	-	3,500,000		1%
ST14DA Neff and Purcell Sidewalks	2016	2020	Pending	5	4,000,000	-	50,000	350,000	300,000	3,300,000	_	4,000,000		0%
ST14EA Citywide Safety Improvements	2016	09/30/18	Design	4	3,219,000	210,737	1,099,000	1,470,000	775,000	-	-	3,344,000	1	7%
Total Transportation					13,469,000	540,037	1,514,000	2,200,000	2,905,000	4,450,000	-	11,069,000		4%
GO Bond							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, , , , ,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, , ,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
ST12CE Reed Mkt: Newberry to 27th	2012	10/15/15	Sub.Complete	1	4,841,330	4,851,336	30,000	21,000	_	-		51,000		100%
ST12CJ Reed Mkt: 3rd to Newberry	2012	11/13/15	Sub.Complete	1	14,145,450	13,163,587	45,000	10,000	16,000	_	_	71,000		93%
ST12CK 14th St. Reconstruction	2012	10/15/16	Design	5	4,156,527	113,849	513,000	3,643,527	-	_	_	4,156,527		3%
ST12CH 27th Street Reconstruction	2017	2017	Pending	5	1,049,300	5,479	1,049,300	-	_	_	-	1,049,300		1%
ST17CD Powers & Brookswood Roundabout Phase II	2017	10/15/16	Design	3	50,000	-	45,000	-	-	-	_	45,000		0%
Total GO Bond	2010	10/15/10	Design	3	24,242,607	18,134,251	1,682,300	3,674,527	16,000	-	-	5,372,827		07
Water					24,242,007	10,134,231	1,082,300	3,074,327	10,000	_		3,372,021		
WA0902 Bridge Creek Intake and Pipeline	2008	06/30/16	Sub.Complete	1	73,954,698	70,642,335	783,100				-	783,100		96%
WA12AA Egypt Waterline	2008	2019	Planning	1 2	500,000	25,063	765,100	-	- 478,400	-	-	478,400		5%
WA15BA Water SDC Methodology Study	2012	07/09/05	Pending	_	60,000	578	60,000	-	478,400	-	-	60,000		1%
WA15HA Water Master Plan Update	2017	07/09/05	Pending	_	500,000	5/6	500,000	-	_	-	-	500,000		0%
WA15JA Phase 2 South 3rd St Water portion	2017	03/31/17	Design	3	1,100,000	-	1,100,000	-	-	-	-	1,100,000		0%
WA20AX Awbrey Well Supply Expansion	2010	2020	Pending	5		-	1,100,000	-	-	2,021,760				0%
	2020	2020	_	5	2,021,760	-	-	-		250,640	-	2,021,760 250,640		0%
WA20BX Lafayette Pipe Enlargement WA20CX College Parallel Pipe Study	2020	2020	Pending Pending	3	250,640 1,215,760	-	-	-	-	1,215,760	-	1,215,760		09
WA20DX Valves Operational System Study	2020	2020	_	_		-	-	-		78,000	79 000			0%
WA21EX Opt Study - New Level 5 Well - Shirley Ct	2021	2022	Pending	_	156,000	-	-	-	-	78,000	78,000	156,000		0%
WA21DX Opt Study - Parallel Piping Rock Bluff to Brookswood	2021	2021	Pending	_	1,596,400 2,830,464	-	-	-	-	-	2,830,464	2,830,464 1,596,400		0%
Total Water	2021	2021	Pending	-		70 667 076	2 442 100	-	479.400	2 566 160	1,596,400			070
					84,185,722	70,667,976	2,443,100	-	478,400	3,566,160	4,504,864	10,992,524		
Stormwater	2046	02/24/47			250,000	60.250	200.000					200.000		2.40
SR15AA South Awbrey Butte Drainage Study	2016	03/31/17	Design	_	250,000	60,259	200,000	-	-	-	-	200,000		24%
SR15BA South 3rd Street - Stormwater portion	2016	12/26/16	Design	1	470,000	162,491	150,000	-	-	-	-	150,000		35%
SR15CA Newport Pipe Replacement Design	2018	2019	Pending	5	442,000	-	-	-	442,000	-	422.222	442,000		0%
SR21AX Stormwater Master Plan Update	2020	2022	Pending	5	130,000	-	-	-	-	-	130,000	130,000		0%
SR21BX Franklin & Greenwood Underpass	2021	2029	Pending	5	572,000	-	-	-	-	-	572,000	572,000		0%
SR21CX Roosevelt & McKinley	2020	2022	Pending	5	104,000	-	-	-	-	-	104,000	104,000		0%
Total Stormwater					1,968,000	222,750	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	2017-2020 Budgeted	Budget Revisions	Percent Project Estimate Spent
Sewer - Water Reclamation														
SW0802 Secondary Expansion	2009	06/30/17	Construction	1	45,000,000	40,408,467	2,353,000	-	-	-	-	2,353,000		90%
SW17DA Solids Handling Improvement Project	2016	2019	Pending	5	17,000,000	-	6,000,000	4,000,000	7,000,000	-	-	17,000,000		0%
SW0707 Southeast Interceptor Project	2007	12/31/17	Construction	3	63,500,000	34,526,914	22,959,500	8,575,000	-	-	-	31,534,500		54%
SW0707 SEI Extension Project 2S&3	2016	12/31/17	Construction	1	8,200,000	-	4,637,500	3,402,500	-	-	-	8,040,000		0%
SW11BA Valhalla Sewer Relocation	2011	10/16/16	Construction	1	1,860,370	951,694	2,000,000	-	-	-	-	2,000,000		51%
SW13DA North Area Sewer Capacity Improvements	2013	11/01/16	Construction	1	6,547,522	1,000,365	5,669,700	-	-	-	-	5,669,700		15%
SW13EA Colorado Pump Station and Force Main	2013	01/10/17	Construction	1	13,620,132	11,326,374	4,525,000	-	-	-	-	4,525,000		83%
SW15AA Plant Interceptor Rehabilitation	2015	06/30/17	Planning	5	5,738,000	25,331	5,970,000	-	-	-	-	5,970,000		0%
SW16DA Riverhouse Lift Station Hydraulic Upgrade	2016	06/30/17	Design	5	500,000	9,014	370,000	-	-	-	-	370,000		2%
SW17EA East Interceptor (Formerly SEI Phase II North)	2016	2028	Pending	5	21,000,000	-	1,000,000	1,000,000	-	-	-	2,000,000		0%
SW17FA 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%
SW17AA WRF Facilities Plan Update	2018	2018	Pending	5	500,000	-	-	500,000	-	-	-	500,000		0%
SW18BX Parallel Sewer on Olney Avenue	2018	2018	Pending	5	581,000	-	-	605,000	-	-	-	605,000		0%
SW15KA WRF Evaporation Percolation Ponds	2019	2019	Pending	5	1,567,000	-	-	-	1,630,000	-	-	1,630,000		0%
SW19AX Amethyst/Mahogany Street Sewer	2019	2019	Pending	5	679,000	-	-	-	710,000	-	-	710,000		0%
SW19BX Mahogany Street/Hwy 97 Sewer	2019	2019	Pending	5	999,000	-	-	-	1,050,000	-	-	1,050,000		0%
SW18AA WRF Support Facilities Upgrade	2020	2020	Pending	5	2,400,000	-	-	-	-	2,500,000	-	2,500,000		0%
SW20AX Odor Control Master Plan	2020	2020	Pending	-	1,000,000	-	-	-	-	1,050,000	-	1,050,000		0%
SW20BX Sewer Storage - Land Acquisition	2020	2020	Pending	-	700,000	-	-	-	-	730,000	-	730,000		0%
SW20EX Plant Interceptor Condition Assessment	2020	2020	Pending	5	600,000	-	-	-	-	630,000	-	630,000		0%
SW20FX Collection System Master Plan (Years 6-10)	2020	2020	Pending	-	1,000,000	-	-	-	-	1,050,000	-	1,050,000		0%
SW20GX Gravity Pipe Condition Assessment	2020	2035	Pending	5	200,000	_	-	-	-	210,000	208,000	418,000		0%
Total Sewer					216,192,024	88,248,160	56,484,700	19,082,500	17,390,000	13,170,000	7,208,000	113,335,200		
Total 2017-2020 Capital Improvement Program					344,365,853	180,093,139	64,096,122	25,257,027	21,231,400	21,186,160	12,518,864	144,289,573		

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

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: 7/21/2017

Final Closeout: 7/21/2018

1 Journ & Bernaul Sauman

Total Estimated: \$1,205,000 Spent to Date: \$860,778

% Spent to Estimated: 71%

Three Projects: ADA \$665,000, Water

\$70,000, Stormwater \$470,000

Status: On Scope

Adjustments: No change from prior month

Status: On Schedule

Adjustments: No change from prior month

Status: On Budget

Adjustments: No change from prior

month

Status Update: Pre-construction meeting scheduled for September 19 with scheduled construction start of September 26.





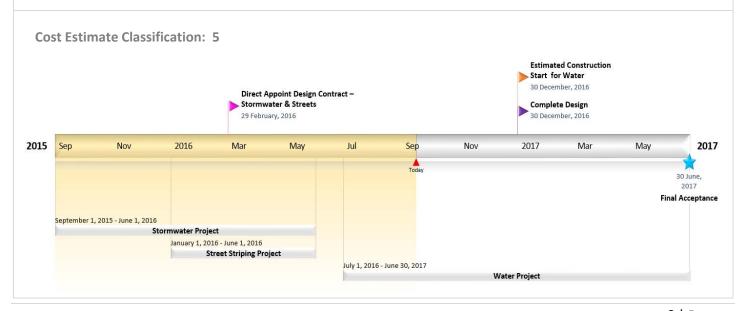
Phase 2 - S. 3rd Street Improvements

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: \$1,135,000 Spent to Date: \$22,254 % Spent to Estimated: 2% Three Projects: Water \$1,100,000, Stormwater \$5,000 and Streets \$30,000 Stormwater and Streets projects are closed.
Status: On Scope	Status: On Schedule	Status: Cost Adjustment
Adjustments: No change from prior month	Adjustments: No change from prior month	Adjustments: No change from prior month

Status Update: Topographical survey work is ongoing and conceptual design efforts continue.



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.



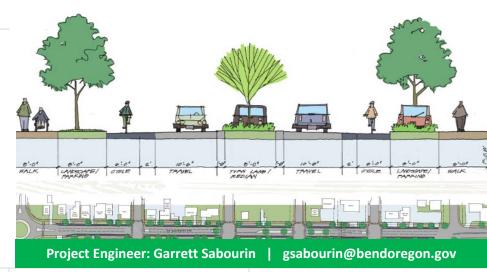
Scope	Schedule	Cost
Survey, design, and construction of accessibility improvements, as funding allows, in the Wells Acres, Bear Creek, Division, Downtown & Old Mill and Brookswood/Southwest neighborhoods.	Start Date: 3/1/16 Substantial Completion: 9/28/2018 Final Closeout: 09/28/2019	Total Estimated: \$750,000 Spent to Date: \$96,116 % Spent to Estimated: 13%
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: The 60% design plans will be submitted in September and outreach to neighborhoods is beginning.

Cost Estimate Classification: 4 Design RFP Complete Design Award Design Contract 20 April, 2016 31 May, 2017 2016 Feb 2017 Oct 2018 2018 Jun 28 September, 2018 **Substantial Completion** February 1, 2016 - May 31, 2016 Planning 17.4 wks May 31, 2016 - May 31, 2017 Design 52.4 wks ne 1, 2017 - September 28, 2018 69.4 wks

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: \$2,700,000 Spent to Date: \$296,029* % Spent to Estimated: 11% * Includes planning. At 30% design cost estimates will be updated to account for water, stormwater and sewer utility projects.
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: The 30% design anticipated in October and presented to Council in December 2016.

Contract Amendment to Council
20 January, 2016

2015

July 1, 2015 - December 15, 2015

< Began in 2011 - Planning

January 25, 2016 - October 15, 2016

38 wks

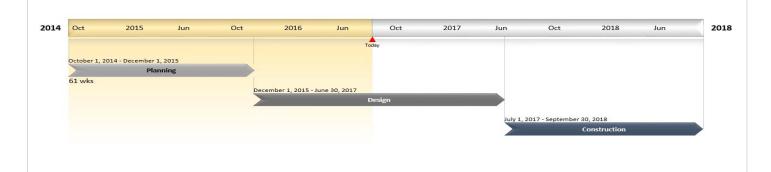
Citywide Safety Improvements

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.	Start Date: 10/1/2014 Substantial Completion: 9/30/2018 Final Closeout: 9/30/2019	Total Estimated: \$3,344,000 Spent to Date: \$210,737 % Spent to Estimated: 7%
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: The 30% design comments were provided to the consultant and the 60% design plans will be submitted in September. Outreach to businesses neighboring project locations is ongoing.



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.



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: \$3,888,950* Spent to Date: \$113,849 % Spent to Estimated: 3% *Corridor extension construction cost not included in Total Cost Estimate. At 30% design cost estimates will be updated to account for water, stormwater and sewer utility projects.
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: The 30% design anticipated in October and presented to Council in December 2016.

Contract Amendment to Council 20 January, 2016 2015 July 1, 2015 - December 15, 2015 < Began in 2011 - Planning January 25, 2016 - October 15, 2016 38 wks

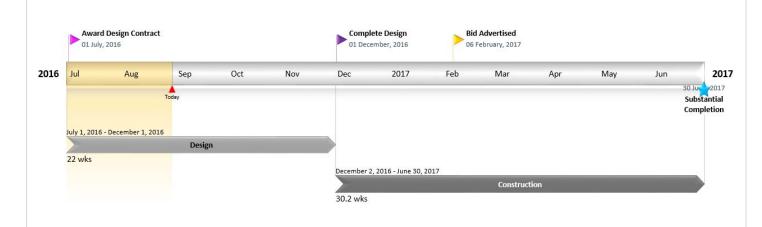
Downtown City Offices Sidewalk

Old and deteriorating sidewalk will be replaced in the downtown area along Franklin Avenue, Wall Street and Louisiana Avenue. Also included are improvements to provide safer and more visible street crossings a t key locations. This project was funded through the Citywide Safety Improvements project (ST14EA).



Scope	Schedule	Cost
Survey, design and construction of accessibility and safety improvements along Franklin Avenue, Wall Street and Louisiana Avenue in the vicinity of City Hall and the Downtown Library.	Start Date: 7/1/2016 Substantial Completion: 6/30/2017 Final Closeout: 6/30/2018	Total Estimated: \$250,000 Spent to Date: \$726 % Spent to Estimated: 0.29%
Status: On Scope	Status: On Schedule	Status: On Budget
Adjustments: Project Initiated	Adjustments: Project Initiated	Adjustments: Project Initiated

Status Update: Project Initiated



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: 10/15/2016 Final Closeout: 10/15/2017	Total Estimated: Spent to Date: % Spent to Estimated:	\$50,000 \$0 0%
Status: On Scope	Status: On Schedule	Status: On Budget	
Adjustments: No change from prior month	Adjustments: No change from prior month	Adjustments: No chan month	ge from prior

Status Update: Project Initiated



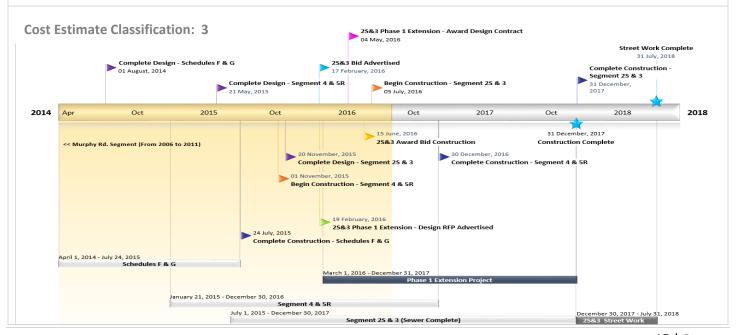
Southeast Interceptor Phase I

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 sewer, from South 3rd street to the Neff Road interim connection. Phase 1 Extension Project, approved in January 2016, adds approximately 3,000 feet of sewer main work.	Start Date: 7/1/2006 Sewer Completion: 12/31/2017 Street Completion: 07/31/2018 Final Closeout: 7/30/2019	Total Estimated: \$71,700,000 Spent to Date: \$34,526,914 % Spent to Estimated: 54%
Status: Increased 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

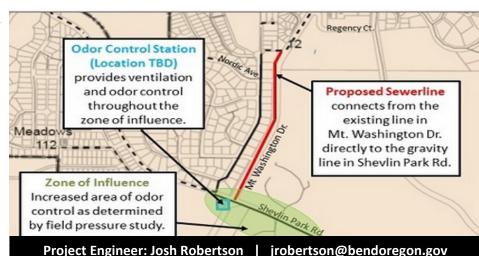
Status Update: Night work scheduled to continue through September. Segments 4&5R are currently ahead of schedule with paving anticipated for end of September. Timeline will be adjusted when work is complete. Overall projected schedule not affected by early completion of this segment.



Valhalla Odor Control & Sewer Relocation

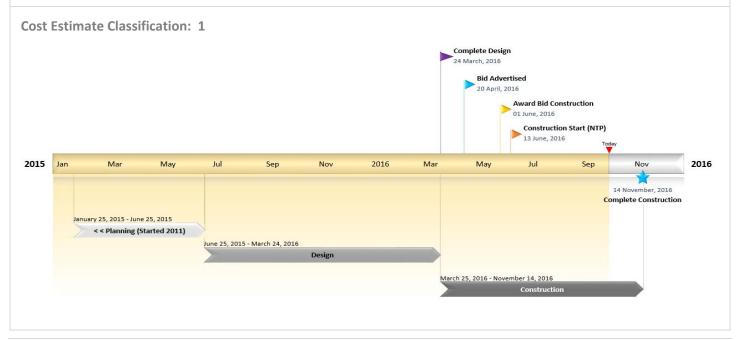
The Awbrey Glen lift station currently pumps into the sewage collections system located within the Valhalla neighborhood. A large wet well and long force main causes odorous air discharge. The project will mitigate odor and capacity issues in the neighborhood. This will eliminate neighborhood complaints and allow for the sewage pump station to run more efficiently reducing staff time and operating costs.

PROPOSED SEWER IMPROVEMENT PROJECT MAP



Scope	Schedule	Cost
Design and construction of a sewer main to direct sewage around the Valhalla neighborhood and install new odor control systems. Project includes paving restoration.	Start Date: 1/24/11 Substantial Completion: 11/14/2016 Final Closeout: 11/14/2017	Total Estimated: \$1,860,370 Spent to Date: \$951,694 % Spent to Estimated: 51%
Status: On Scope	Status: On Schedule	Status: Potential Cost Increase
Adjustments: No change from prior month	Adjustments: No change from prior month	Adjustments: Project cost increase likely due to changes in scope and schedule. Cost estimate and budgets will be updated after bid closes.

Status Update: All night work on Shevlin Park Road and the Roundabout at Mt. Washington is complete. Work is now focused on pipe installation and odor control systems on Mt. Washington Drive.



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

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: \$6,547,522 Spent to Date: \$1,000,365 % Spent to Estimated: 15%
Status: On Scope	Status: Behind Schedule	Status: Potential Budget Adjustment
Adjustments: No change from prior month	Adjustments: No change from prior month	Adjustments: No change from prior month

Status Update: One outstanding easement negotiation continues to delay the bid advertisement. The U.S. Bureau of Reclamation is continuing to process the crossing permit for the North Unit Irrigation District, however, bid advertisement may be possible without a final irrigation district permit. Procurement dates are approximate and will be confirmed in October.

Cost Estimate Classification: 2

Updated Bid Advertised
05 December, 2016

Complete Design
08 November, 2015

Updated Award Bid Construction
15 February, 2017

2013

Oct Apr Oct Apr Oct Apr Oct Apr Oct Apr Oct Apr Oct 2018



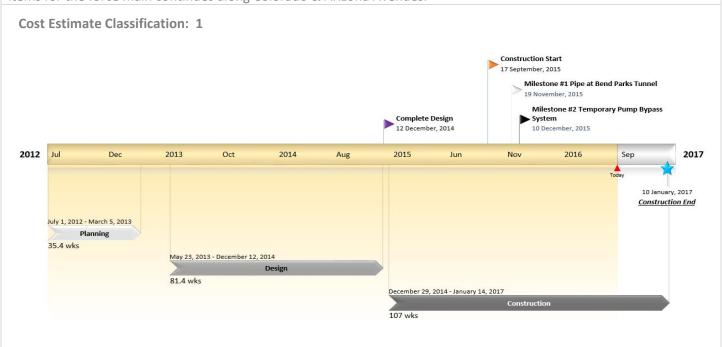
Colorado Pump Station and Sewer Mains

This project includes the design and construction of a new lift station and new gravity and force mains to divert flows from the existing Columbia Street sewer line to an existing trunk line east of the Deschutes River. This new lift station will provide service to future developments on the City's west side, allows decommissioning of an aging sewer lift station with access, capacity, and odor issue, and defer capacity-related improvements at Westside Lift Station.



Scope	Schedule	Cost
Analysis of service area, flows, capacities, alternatives for pump station sizing, siting, and pipeline route; design and construction of pump station, odor control facility, and gravity and force mains; decommissioning pump station.	Start Date: 2/1/2013 Substantial Completion: 01/10/2017 Final Closeout: 01/10/2018	Total Estimated: \$13,620,132 Spent to Date: \$11,326,374 % Spent to Estimated: 83%
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: Start-up and functional testing of the equipment in the lift station has begun, as well as training of City staff on the use of the equipment. Gravity main construction continues on Allen Road. Completion of punch-list items for the force main continues along Colorado & Arizona Avenues.



Plant Interceptor Rehabilitation

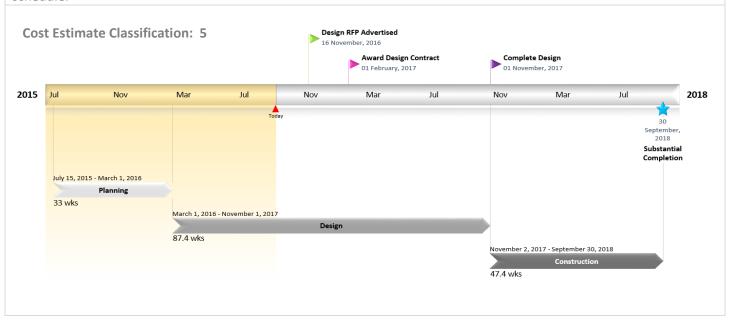
The existing plant interceptor conveys all of the City's sewage to the WRF. The concrete pipeline is deteriorating due to age as well as the sulfides breaking down the concrete wall. This project will rehabilitate the plant interceptor by designing and constructing a Cured-In-Place Pipe (CIPP) liner 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.



Project Engineer: Jason Suhr | jsuhr@bendoregon.gov

Scope	Schedule	Cost
Rehabilitate all Pipeline Assessment Certification Program (PACP) graded 4 and 5 pipe segments with a Cured-In-Place Pipe (CIPP) liner, replace the existing siphon junction box, and clean the double barreled siphons.	Start Date: 3/1/2015 Substantial Completion: 09/30/18 Final Closeout: 09/30/19	Total Estimated: \$5,738,000 Spent to Date: \$25,331 % Spent to Estimated: 0.44%
Status: On Scope	Status: Baseline Schedule Adjustment	Status: On Budget
Adjustments: No change from prior month	Adjustments: No impact to budget or scope due to schedule delay.	Adjustments: No change from prior month

Status Update: Finalizing archeological requirements. Timeline updated to reflect anticipated design RFP for schedule.



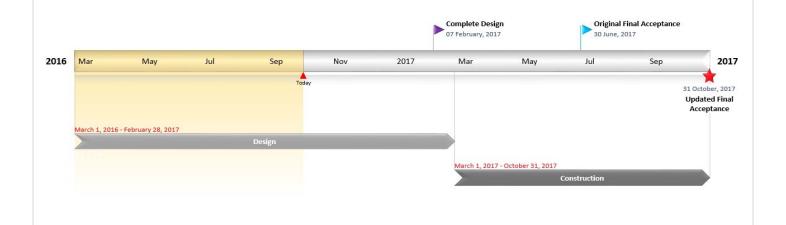
Riverhouse Lift Station Hydraulic Upgrade

This project was identified in the Collection System Master Plan as a project to be partially funded by the hotel/developer. The City received an in-lieu of payment from the developer to complete the work of downsizing the mechanical pump components to match required capacity for peak we-weather flow and will coordinate the work in conjunction with the North Area Sewer Capacity Improvements project.



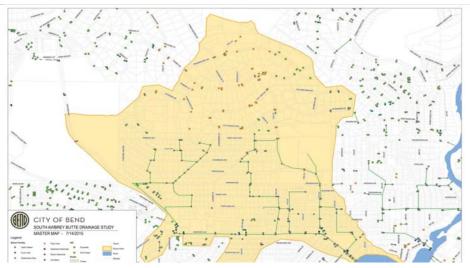
Scope	Schedule	Cost	
Downsize of mechanical pumping and/or electrical components to decrease hydraulic capacity to closer to required capacity. Rehabilitation and, where required, replacement of deteriorating lift station components where O&M Department condition assessment indicated poor condition: wet well, pumps, motors and electrical equipment	Start Date: 2/25/2016 Substantial Completion: 10/31/2017 Final Closeout: 10/31/2018	Total Estimated: Spent to Date: % Spent to Estimated:	\$500,000 \$9,014 2%
Status: On Scope	Status: Baseline Schedule Adjustment	Status: On Budget	

Status Update: The design kickoff meeting was held on September 7th. The proposed project milestones are indicated below.



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.



Project Engineer: Garrett Sabourin | gsabourin@bendoregon.gov

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: 05/26/2017	Total Estimated: \$250,000 Spent to Date: \$60,259 % Spent to Estimated: 24%
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 recently completed the existing drainage system modeling efforts. Report is under review by City staff with comments due end of September.



This page intentionally left blank