



ENGINEERING

Monthly Report

Fiscal Year 2017-2018

December 2017



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

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

CAPITAL IMPROVEMENT PROGRAM in BRIEF

For a quick summary of the 2018 fiscal year take a look below...

Looking ahead on procurement we expect to add over \$50 million in contracts before the end of this fiscal year. Of the 24 scheduled procurements, more than half of them are construction related. The procurement timeline on the next page provides information on upcoming procurement through April 4, 2018.

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

| | Baseline | Now |
|-----------------|----------|----------|
| TOTAL PROJECTS | 75 | 83 |
| ACTIVE PROJECTS | 45 | 53 |
| BUDGET | \$57.4 M | \$64.4 M |

The adjusted budget includes carry-forwards of approximately \$360,000 for the Colorado Lift Station Projects to cover final billings. This project is in final closeout and not included in the project lists on pages 3-4.

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

\$15.9 Million

- OR -

25% of the total adjusted budgeted

Spending has averaged at just over 4% of adjusted budgets for the first six months this fiscal year.

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

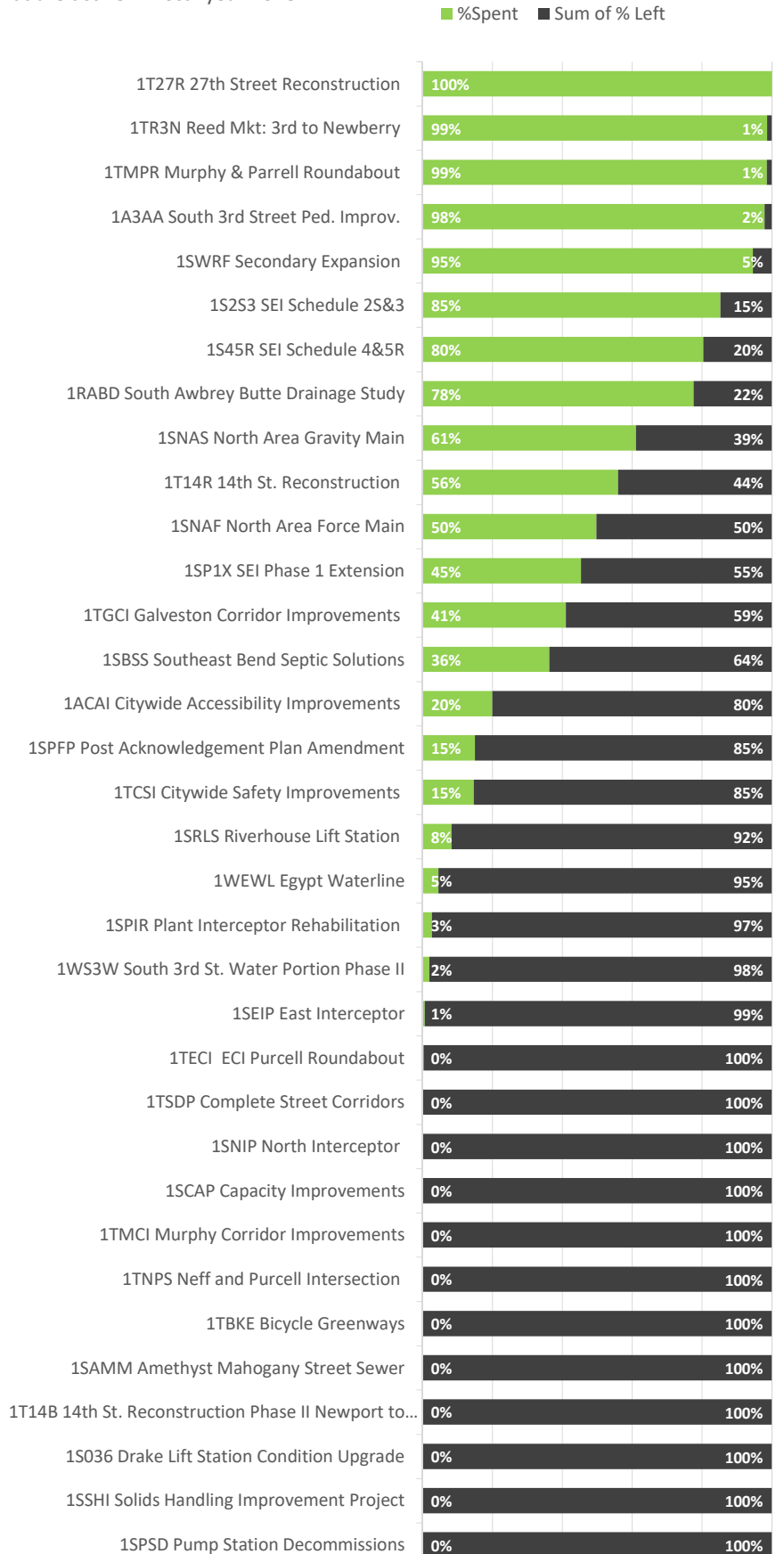


Both the East Interceptor and the Water Master Plan update were moved back to Pending and pushed out in the CIP based on modeling analysis.

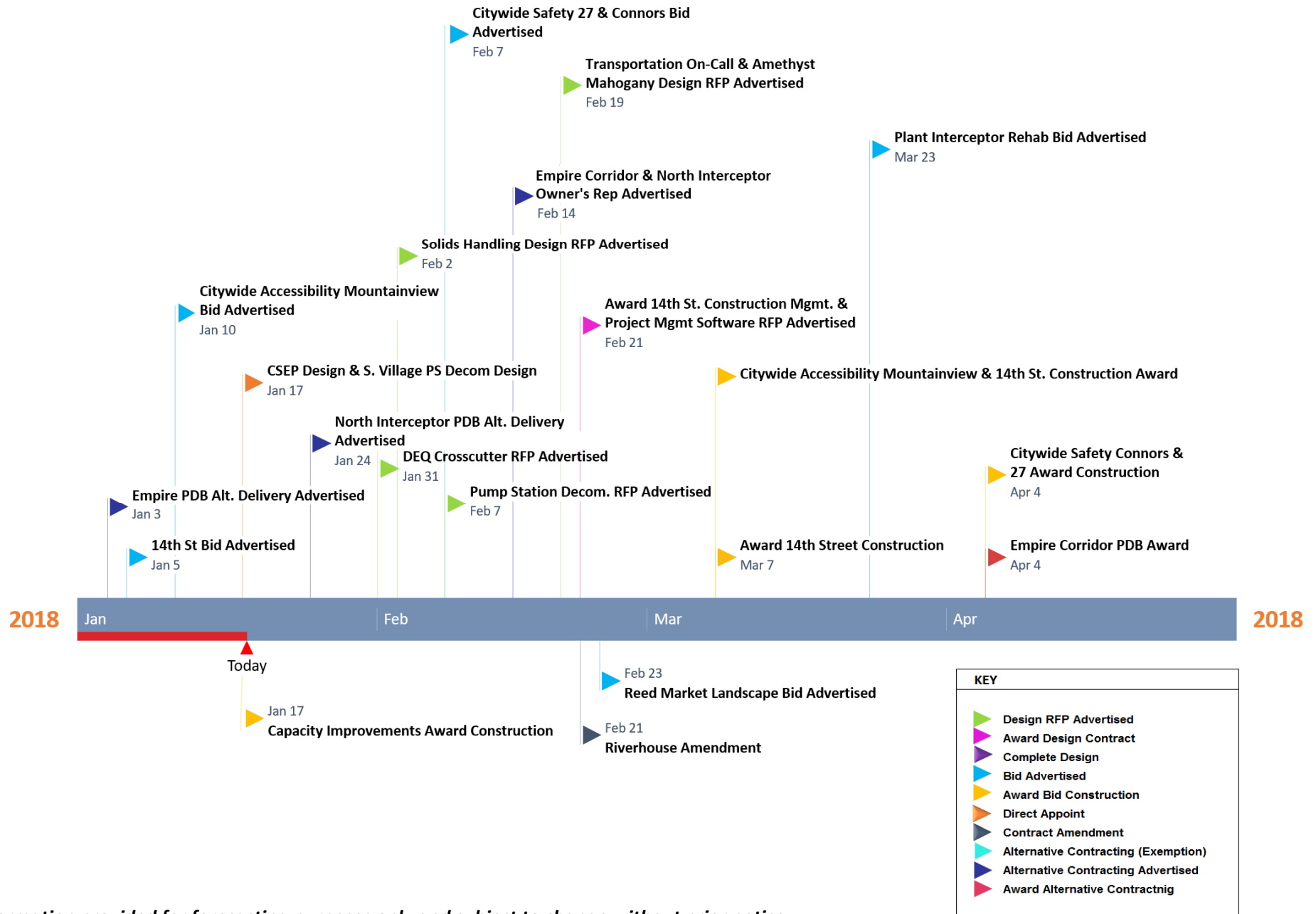
Reporting Period: Dec. 1-31

SPENDING ON ACTIVE PROJECTS

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



EIPD Procurement Timeline



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

| City of Bend 2018 - 2022 Capital Improvement Program Project List | | | | | | | | | | | | | | | |
|---|---------------|----------------------------------|-----------------|----------------------|---------------|-----------------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|----------------------------|--------------------------|-------------------------------|
| Project Name & Number | Major Project | Project Manager & Team Member(s) | Projected Start | Estimated Completion | Current Phase | Total Project Cost Estimate | Spent to Date | 2017-18 Budgeted | 2018-19 Budgeted | 2019-20 Projected | 2020-21 Projected | 2021-22 Projected | Total 2018-22 CIP Budgeted | Budget Notes & Revisions | Percent Total Cost Est. Spent |
| Transportation | | | | | | | | | | | | | | | |
| 1A3AA South 3rd Street Pedestrian Improvements | 1X3RD | Suhr, Burr | 2011 | Jul 2017 | Sub. Complete | 815,000 | 749,519 | 15,000 | - | - | - | - | 15,000 | | 92% |
| 1XCAI Citywide Accessibility Improvement Program | | | | | | | | | | | | | | | |
| 1ACAI Citywide Accessibility Improvements | 1XCAI | Rowan | 2016 | Sep 2018 | Construction | 1,156,000 | 745,372 | 957,000 | - | - | - | - | 957,000 | | 64% |
| 1ADSC Dean Swift Road Corridor | 1XCAI | Rowan | 2018 | Sep 2018 | Initiated | 150,000 | - | - | 150,000 | - | - | - | 150,000 | | 0% |
| NE Division Street Corridor | 1XCAI | Rowan | 2018 | Sep 2018 | Design | 500,000 | - | - | 500,000 | - | - | - | 500,000 | | 0% |
| Lodge Pole Drive Corridor | 1XCAI | Rowan | 2019 | Dec 2019 | Design | 315,000 | - | - | - | 315,000 | - | - | 315,000 | | 0% |
| Poplar Street Corridor | 1XCAI | Rowan | 2019 | Jun 2020 | Design | 250,000 | - | - | - | 250,000 | - | - | 250,000 | | 0% |
| SW Truman Hill Taft Silver Lake Corridor | 1XCAI | Rowan | 2020 | Jun 2020 | Design | 440,000 | - | - | - | - | 440,000 | - | 440,000 | | 0% |
| SW Cleveland Avenue Corridor | 1XCAI | Rowan | 2020 | Jun 2021 | Design | 190,000 | - | - | - | - | 190,000 | - | 190,000 | | 0% |
| NW Delaware Avenue Corridor | 1XCAI | Rowan | 2021 | Dec 2021 | Design | 500,000 | - | - | - | - | - | 500,000 | 500,000 | | 0% |
| NW Hill Street Corridor | 1XCAI | Rowan | 2021 | Jun 2022 | Design | 250,000 | - | - | - | - | - | 250,000 | 250,000 | | 0% |
| NW Seismore Street Corridor | 1XCAI | Rowan | 2021 | Jun 2022 | Design | 125,000 | - | - | - | - | - | 125,000 | 125,000 | | 0% |
| 1ACAI Citywide Accessibility Improvements | | | | | | 3,876,000 | 745,372 | 957,000 | 650,000 | 565,000 | 630,000 | 875,000 | 3,677,000 | 6 | 19% |
| 1T14R 14th St. Reconstruction † | 1XGOB | Sabourin | 2016 | Oct 2017 | Design | 6,195,000 | 1,257,205 | 4,795,873 | 150,000 | - | - | - | 4,945,873 | 2‡ | 20% |
| 1T14B 14th St. Reconstruction Schedule B Newport to Galveston † | | Sabourin | 2017 | Oct 2018 | Design | 2,600,000 | - | - | 1,300,000 | 1,300,000 | - | - | 2,600,000 | | 0% |
| 1TCSI Citywide Safety Improvements | | Rowan | 2016 | Sep 2018 | Construction | 3,535,000 | 518,848 | 2,340,600 | 775,000 | - | - | - | 3,115,600 | 3 | 15% |
| 1TGCI Galveston Corridor Improvements † | | Sabourin | 2011 | Oct 2017 | Design | 950,000 | 389,762 | 565,000 | - | - | - | - | 565,000 | 4 | 41% |
| 1TBKE Bicycle Greenways | | Rowan | 2018 | May 2018 | Planning | 900,000 | - | 225,000 | 225,000 | 225,000 | 225,000 | - | 900,000 | | 0% |
| 1TMPR Murphy & Parrell Roundabout | | Sabourin | 2015 | May 2020 | Sub. Complete | 2,952,600 | 2,565,095 | 50,000 | 5,000 | 5,000 | - | - | 60,000 | 1 | 87% |
| 1TNPS Neff and Purcell Intersection | | Rowan | 2016 | May 2021 | Pending | 4,000,000 | - | 50,000 | 350,000 | 300,000 | 3,300,000 | - | 4,000,000 | | 0% |
| 1TPWP Powers & Brookwood Roundabout Phase II | 1XGOB | Sabourin | 2017 | Oct 2017 | Complete | - | - | - | - | - | - | - | - | ‡ | #DIV/0! |
| 1XECI Empire Corridor Improvements Program | | | | | | | | | | | | | | | |
| 1TECI Purcell Roundabout | | | | | | 4,000,000 | 49,724 | 500,000 | 3,465,000 | 5,665,000 | 3,000,000 | 3,000,000 | 15,630,000 | | |
| 1TPBM Purcell Butler Market | | | | | | 1,000,000 | - | - | - | - | - | - | - | | |
| 1TEMD Empire Corridor Modernization | | | | | | 1,000,000 | - | - | - | - | - | - | - | | |
| 1TPMD Purcell Modernization | | | | | | 1,000,000 | - | - | - | - | - | - | - | | |
| 1TEEX Empire Extension | | | | | | 3,630,000 | - | - | - | - | - | - | - | | |
| 1TE27 Empire & 27th Street Roundabout | | | | | | 5,000,000 | - | - | - | - | - | - | - | | |
| 1XECI Empire Corridor Improvements Program | | Franklet, Burr | 2018 | Mar 2018 | Initiated | 15,630,000 | 49,724 | 500,000 | 3,465,000 | 5,665,000 | 3,000,000 | 3,000,000 | 15,630,000 | | 0% |
| 1TMCI Murphy Corridor Improvements | | Franklet | 2018 | Mar 2018 | Pending | 10,000,000 | - | 500,000 | 1,500,000 | 2,000,000 | 3,000,000 | 3,000,000 | 10,000,000 | | 0% |
| 1TSDP Complete Street Corridors | | Rowan | 2017 | Oct 2020 | Pending | 801,000 | 965 | 200,000 | 600,000 | - | - | - | 800,000 | | 0% |
| 1T27R 27th Street Reconstruction | 1XGOB | Sabourin | 2017 | Dec 2017 | Sub. Complete | 1,000,000 | 1,000,000 | 379,598 | - | - | - | - | 379,598 | 13 | 100% |
| 1TR3N Reed Mkt: 3rd to Newberry | 1XGOB | Sabourin | 2012 | Oct 2018 | Sub. Complete | 13,600,000 | 13,419,813 | 180,000 | 16,000 | - | - | - | 196,000 | 5 | 99% |
| Total Transportation Projects | | | | | | 66,854,600 | 20,696,303 | 10,758,071 | 9,036,000 | 10,060,000 | 10,155,000 | 6,875,000 | 46,884,071 | | |
| Stormwater | | | | | | | | | | | | | | | |
| 1RMP1 Stormwater Master Plan Update | | Martin | 2020 | Jun 2018 | Pending | 500,000 | - | - | 500,000 | - | - | - | 500,000 | | 0% |
| 1RABD South Awbrey Butte Drainage Study | | Sabourin | 2016 | Oct 2017 | Planning | 285,000 | 237,100 | 109,700 | - | - | - | - | 109,700 | 12 | 83% |
| 1RNPR Newport Pipe Replacement Design | | Sabourin | 2018 | Jun 2019 | Pending | 442,000 | - | - | 442,000 | - | - | - | 442,000 | | 0% |
| 1RFGU Franklin & Greenwood Underpass | | Sabourin | 2021 | Jun 2022 | Pending | 5,620,000 | - | - | - | - | 120,000 | 600,000 | 720,000 | | 0% |
| 1RRMC Roosevelt & McKinley | | Martin | 2020 | Jun 2022 | Pending | 579,000 | - | - | - | - | 104,000 | 475,000 | 579,000 | | 0% |
| Total Stormwater Projects | | | | | | 6,926,000 | 237,100 | 109,700 | 942,000 | - | 224,000 | 1,075,000 | 2,350,700 | | |
| Water | | | | | | | | | | | | | | | |
| 1WAWP Awbrey Well Supply Expansion | | Martin | 2020 | Jun 2019 | Pending | 2,021,760 | - | - | - | 2,021,760 | - | - | 2,021,760 | | 0% |
| 1WCPS College Parallel Pipe Study | | Martin | 2020 | Jun 2019 | Pending | 1,215,760 | - | - | - | 1,215,760 | - | - | 1,215,760 | | 0% |
| 1WEWL Egypt Waterline | | Forster, Webster | 2012 | Dec 2017 | Construction | 771,000 | 31,255 | 648,000 | - | - | - | - | 648,000 | 14 | 4% |
| 1WLPE Lafayette Pipe Enlargement | | Martin | 2020 | Jun 2019 | Pending | 250,640 | - | - | - | 250,640 | - | - | 250,640 | | 0% |
| 1WMP1 Water Master Plan Update | | Martin | 2017 | Dec 2017 | Pending | 750,000 | - | 610,000 | - | - | - | - | 610,000 | ‡ | 0% |
| 1WRBO Parallel Piping Rock Bluff to Brookwood | | Martin | 2022 | Jun 2022 | Pending | 2,940,000 | - | - | - | - | - | 2,940,000 | 2,940,000 | | 0% |
| 1WS3W South 3rd St. Water Portion Phase 2 | 1X3RD | Suhr | 2016 | Jun 2018 | Design | 6,500 | 6,437 | 314,000 | - | - | - | - | 314,000 | ‡ | 99% |
| 1WSDC Water SDC Methodology Study | | Ockner | 2017 | Dec 2017 | Complete | 600 | 578 | - | - | - | - | - | - | ‡ | 96% |
| 1WSPP Parallel Piping Brookwood to Brosterhaus | | Martin | 2021 | Jun 2021 | Pending | 1,596,400 | - | - | - | - | 1,596,400 | - | 1,596,400 | | 0% |
| 1WSSC New Water Well Near NE Shirley Court | | Martin | 2021 | Jun 2021 | Pending | 2,830,464 | - | - | - | - | 2,830,464 | - | 2,830,464 | | 0% |
| 1WSWO New Water Well Shiloh Site | | Martin | 2022 | Jun 2022 | Pending | 2,721,600 | - | - | - | - | - | 2,721,600 | 2,721,600 | | 0% |
| 1WVSS Valves Operational System Study | | Martin | 2020 | Jun 2022 | Pending | 234,000 | - | - | - | 78,000 | 78,000 | 78,000 | 234,000 | | 0% |
| Total Water Projects | | | | | | 15,338,724 | 38,270 | 1,572,000 | - | 3,566,160 | 4,504,864 | 5,739,600 | 15,382,624 | | |

| City of Bend 2018 - 2022 Capital Improvement Program Project List | | | | | | | | | | | | | | | |
|---|---------------------------|----------------------------------|-----------------------------|----------------------------|----------------------------|-----------------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|----------------------------|--------------------------|-------------------------------|
| Project Name & Number | Major Project | Project Manager & Team Member(s) | Projected Start | Estimated Completion | Current Phase | Total Project Cost Estimate | Spent to Date | 2017-18 Budgeted | 2018-19 Budgeted | 2019-20 Projected | 2020-21 Projected | 2021-22 Projected | Total 2018-22 CIP Budgeted | Budget Notes & Revisions | Percent Total Cost Est. Spent |
| Water Reclamation | | | | | | | | | | | | | | | |
| 1XSEI Southeast Interceptor Projects | | | | | | | | | | | | | | | |
| 1SP1X SEI Phase 1 Extension | 1XSEI | Forster, MacClanahan | 2016 | Dec 2017 | Construction | 10,500,000 | 4,762,742 | 9,749,560 | - | - | - | - | 9,749,560 | 9 | 45% |
| 1S2S3 SEI Schedule 2S&3* | 1XSEI | Forster, MacClanahan | 2017 | Dec 2017 | Sub. Complete | 31,466,250 | 30,234,162 | 11,715,000 | - | - | - | - | 11,715,000 | | 96% |
| 1S45R SEI Schedule 4&5R | 1XSEI | Forster | 2014 | Dec 2016 | Sub. Complete | 12,500,000 | 12,279,897 | 3,000,000 | - | - | - | - | 3,000,000 | | |
| 1XSEI Southeast Interceptor | | | | | | 54,466,250 | 47,276,801 | 24,464,560 | - | - | - | - | 24,464,560 | | 87% |
| 1XNAS North Area Sewer Projects | | | | | | | | | | | | | | | |
| 1SNAF North Area Force Main* | 1XNAS | Franklet, Burr, Murray | 2017 | Jun 2018 | Construction | 4,450,000 | 1,882,706 | 3,419,433 | - | - | - | - | 3,419,433 | 7 | 42% |
| 1SNAS North Area Gravity Main | 1XNAS | Franklet, Burr, Murray | 2017 | Jun 2018 | Construction | 3,855,000 | 2,378,037 | 2,740,672 | - | - | - | - | 2,740,672 | 8 | 62% |
| 1SRLS Riverhouse Lift Station Hydraulic Upgrade | 1XNAS | Franklet, Burr, Murray | 2016 | Jun 2017 | Construction | 555,000 | 46,355 | 516,870 | - | - | - | - | 516,870 | 10 | 8% |
| 1XNAS North Area Sewer Projects | | | | | | 8,860,000 | 4,307,098 | 6,676,975 | - | - | - | - | 6,676,975 | | 49% |
| 1XWRF Water Reclamation Facility Projects | | | | | | | | | | | | | | | |
| 1SCAP WRF Capacity Improvements | 1XWRF | Robertson | 2017 | Jun 2018 | Initiated | 8,000,000 | 214 | 7,998,000 | - | - | - | - | 7,998,000 | | 0% |
| 1SSHI Solids Handling Improvement Project | 1XWRF | Robertson | 2019 | Jun 2022 | Initiated | 5,500,000 | - | 250,000 | 250,000 | 2,500,000 | 2,500,000 | - | 5,500,000 | | 0% |
| 1SHWK Headworks | 1XWRF | Robertson | 2018 | Jun 2019 | Pending | 1,000,000 | - | - | 1,000,000 | - | - | - | 1,000,000 | | 0% |
| 1SFPU Facilities Plan Update | 1XWRF | Robertson | 2018 | Jun 2019 | Pending | 500,000 | - | - | - | 500,000 | - | - | 500,000 | | 0% |
| 1SSFU Support Facilities Upgrade | 1XWRF | Robertson | 2019 | Jun 2021 | Pending | 2,500,000 | - | - | - | 1,250,000 | 1,250,000 | - | 2,500,000 | | 0% |
| 1XWRF Water Reclamation Facility Projects | | | | | | 17,500,000 | 214 | 8,248,000 | 1,250,000 | 4,250,000 | 3,750,000 | - | 17,498,000 | | 0% |
| 1SPSD Pump Station Decommissions Program | | | | | | | | | | | | | | | |
| #6A Tri-Peaks | 1SPSD | Murray, Forster | 2017 | Jun 2019 | Planning | 250,000 | - | 30,000 | 220,000 | - | - | - | 250,000 | | 0% |
| #13A+B Crown Villa #1 | 1SPSD | Murray, Forster | 2017 | Jun 2019 | Planning | 200,000 | - | 20,000 | 180,000 | - | - | - | 200,000 | | 0% |
| #14A+B Crown Villa #2 | 1SPSD | Murray, Forster | 2017 | Jun 2019 | Planning | 200,000 | - | 20,000 | 180,000 | - | - | - | 200,000 | | 0% |
| #15 Murphy | 1SPSD | Murray, Forster | 2017 | Jun 2019 | Design | 150,000 | - | 15,000 | 135,000 | - | - | - | 150,000 | | 0% |
| #16A+B Quail Ridge #2 | 1SPSD | Murray, Forster | 2017 | Jun 2019 | Planning | 100,000 | - | 10,000 | 90,000 | - | - | - | 100,000 | | 0% |
| #17A+B Ridgewater #1 | 1SPSD | Murray, Forster | 2017 | Jun 2018 | Construction | 100,000 | - | 100,000 | - | - | - | - | 100,000 | | 0% |
| #18A+B Bridges at Shadow Glen | 1SPSD | Murray, Forster | 2017 | Jun 2018 | Construction | 100,000 | - | 100,000 | - | - | - | - | 100,000 | | 0% |
| #19A+B South Village | 1SPSD | Murray, Forster | 2017 | Jun 2019 | Planning | 200,000 | - | 20,000 | 180,000 | - | - | - | 200,000 | | 0% |
| #20A+B Sun Meadow | 1SPSD | Murray, Forster | 2017 | Jun 2019 | Design | 100,000 | - | 10,000 | 90,000 | - | - | - | 100,000 | | 0% |
| #90A+B Quail Ridge #1 | 1SPSD | Murray, Forster | 2017 | Jun 2019 | Planning | 100,000 | - | 10,000 | 90,000 | - | - | - | 100,000 | | 0% |
| Nottingham PS Connection to SEI | 1SPSD | Murray, Forster | 2017 | Jun 2019 | Planning | 15,000 | - | 15,000 | - | - | - | - | 15,000 | | 0% |
| 1SPSD Pump Station Decommissions Projects | | | | | | 1,515,000 | - | 350,000 | 1,165,000 | - | - | - | 1,515,000 | | 0% |
| 1SWRF Secondary Expansion | | Robertson | 2008 | Jun 2019 | Sub. Complete | 43,798,454 | 41,423,215 | 1,744,331 | 1,000,000 | - | - | - | 2,744,331 | 11 | 95% |
| 1SPIR Plant Interceptor Rehabilitation | | Suhr, Martin | 2015 | Dec 2018 | Design | 10,700,000 | 289,264 | 5,150,000 | 5,515,000 | - | - | - | 10,665,000 | | 3% |
| 1SBSS Southeast Bend Septic Solutions | | Martin | 2017 | Jun 2019 | Design | 2,800,000 | 733,079 | 1,150,000 | 800,000 | - | - | - | 1,950,000 | | 26% |
| 1SEIP East Interceptor | | Franklet | 2017 | Jun 2019 | Pending | 21,000,000 | 13,770 | 1,000,000 | 1,000,000 | - | - | - | 2,000,000 | | 0% |
| 1SNIP North Interceptor | | Franklet | 2017 | Dec 2021 | Planning | 23,000,000 | 13,951 | 1,000,000 | 1,000,000 | 7,000,000 | 7,000,000 | 7,000,000 | 23,000,000 | | 0% |
| 1S036 Drake Lift Station Condition Upgrade | | Robertson | 2017 | Dec 2018 | Initiated | 2,000,000 | - | 1,000,000 | 1,000,000 | - | - | - | 2,000,000 | | 0% |
| 1SPSO Parallel Sewer on Olney Avenue | | Robertson | 2018 | Jun 2018 | Pending | 605,000 | - | 513,000 | - | - | - | - | 513,000 | ‡ | 0% |
| 1SAMM Amethyst Mahogany Street Sewer | | Forster | 2019 | Dec 2019 | Pending | 2,500,000 | - | 250,000 | 1,000,000 | 1,250,000 | - | - | 2,500,000 | | 0% |
| 1SPFP Collection System Master Plan Post Acknowledgement Plan Amendment | | Martin | 2018 | Apr 2018 | Planning | 92,000 | 13,838 | 92,000 | - | - | - | - | 92,000 | ‡ | 15% |
| 1SOC1 Odor Control Master Plan | | Martin | 2019 | Jun 2020 | Pending | 1,050,000 | - | - | - | 1,050,000 | - | - | 1,050,000 | | 0% |
| 1SSLA Sewer Storage - Land Acquisition | | Forster | 2019 | Jun 2020 | Pending | 730,000 | - | - | - | 730,000 | - | - | 730,000 | | 0% |
| 1SPIC Plant Interceptor Condition Assessment | | Forster | 2019 | Jun 2020 | Pending | 630,000 | - | - | - | 630,000 | - | - | 630,000 | | 0% |
| 1SMP1 Collection System Master Plan (Years 6-10) | | Franklet | 2019 | Jun 2020 | Pending | 750,000 | - | - | - | 750,000 | - | - | 750,000 | | 0% |
| 1SGPA Gravity Pipe Condition Assessment | | Forster | 2020 | Jun 2021 | Pending | 2,000,000 | - | - | - | 200,000 | 200,000 | 200,000 | 600,000 | | 0% |
| Total Water Reclamation Projects | | | | | | 193,996,704 | 94,071,229 | 51,638,866 | 13,730,000 | 15,860,000 | 10,950,000 | 7,200,000 | 99,378,866 | | |
| Total 2017-2020 Capital Improvement Program | | | | | | 283,116,028 | 115,042,901 | 64,078,637 | 23,708,000 | 29,486,160 | 25,833,864 | 20,889,600 | 163,996,261 | | |
| Budget Notes and Revisions | | | | | | | | | | | | | | | |
| † Tied to other projects | 1- \$40,000 FYE Rollover | 4- \$45,000 FYE Rollover | 7- \$1,719,433 FYE Rollover | 10- \$116,870 FYE Rollover | 13- \$379,598 FYE Rollover | | | | | | | | | | |
| * Budget includes Street Preservation Work | 2- \$539,504 FYE Rollover | 5- \$20,000 FYE Rollover | 8- \$1,640,672 FYE Rollover | 11- \$244,331 FYE Rollover | 14 - \$58,000 Parks & Rec | | | | | | | | | | |
| ‡ Adjustments between projects in the same fund | 3- \$121,600 FYE Rollover | 6- \$107,000 FYE Rollover | 9- \$1,749,560 FYE Rollover | 12- \$99,700 FYE Rollover | | | | | | | | | | | |

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.



Primary Contact: Rory Rowan | rrowan@bendoregon.gov

Scope

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

Schedule

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

Completed Projects:

- NE Kearney Ave
- NE Wells Acres Rd
- Broadway & Delaware

Cost

Total Estimated: \$1,156,000
 Spent to Date: \$745,372
 % Spent to Estimated: 64%

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

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

Status: On Scope

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

Status: On Schedule

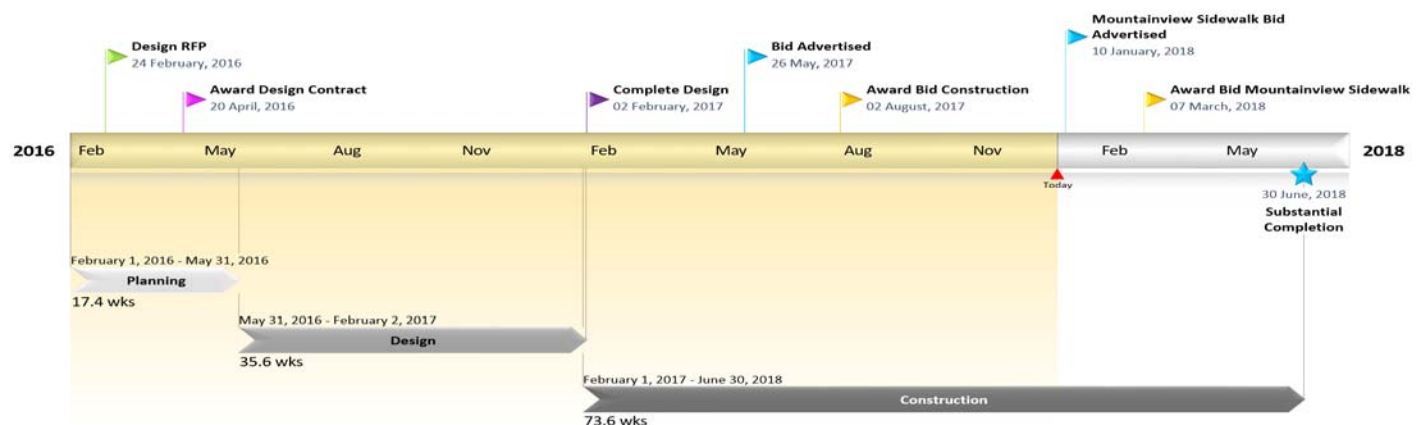
Adjustments: No change from prior month

Status: On Budget

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

Status Update: Mountain View sidewalk package submitted to procurement for bidding in early 2018.

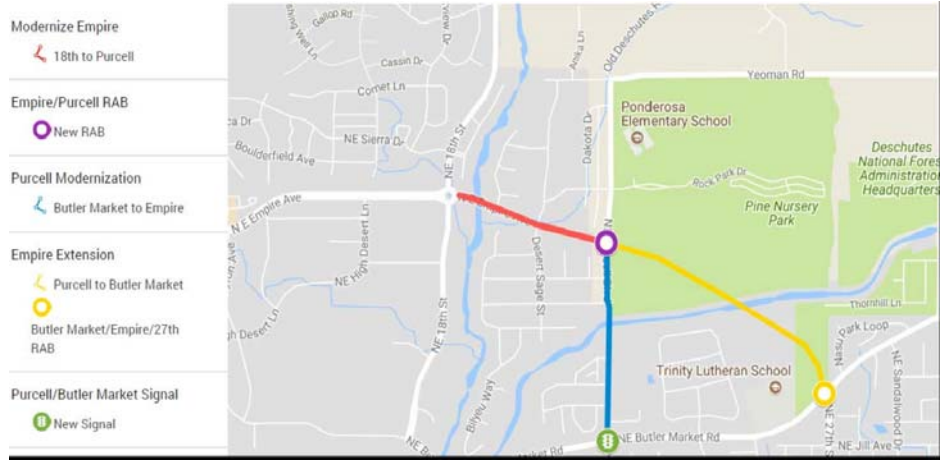
Cost Estimate Classification: 1



Empire Corridor Improvements

Primary Contact: George Franklet | gfranklet@bendoregon.gov

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.



Scope

Six distinct but interrelated sub-projects are included: Empire/Purcell Roundabout, Empire Avenue Modernization, Purcell Boulevard Modernization, Empire Avenue Extension, Purcell/Butler Market Signal Modernization and 27th Street Roundabout. Due to the complexity of implementing all the related components of the project, a Progressive Design-Build project delivery method will be used.

Schedule

Start Date: 08/1/2017
 Substantial Completion: **TBD***
 Final Closeout: **TBD***
 * Dependent upon funding

Cost

| | | |
|-----------------------|--------------|----------|
| Total Estimated: | \$15,630,000 | |
| Spent to Date: | \$49,724 | |
| % Spent to Estimated: | 0.30% | |
| Sub-Projects: | Est. | Spent |
| Purcell RAB | \$4,000,000 | \$49,724 |
| Empire Mod | \$1,000,000 | \$0 |
| Purcell Mod | \$1,000,000 | \$0 |
| Emp Extension | \$3,630,000 | \$0 |
| Butler Mkt Sig | \$1,000,000 | \$0 |
| Emp/27 RAB | \$5,000,000 | \$0 |

Status: On Scope

Status: Baseline Schedule Revision

Status: On Budget

Adjustments: No change from prior month

Adjustments: **Adjusted due to procurement delay**

Adjustments: No change from prior month

Status Update: The advertisement of the RFP for selecting a progressive design-build team was published on January 3, 2018. The topographic survey was largely completed in December. Right-of-way coordination with Deschutes County and Bend Park and Recreation District continued. Continued discussions with Bend Park and Recreation District regarding the right-of-way needed for the roundabout at the Empire/Purcell intersection.

Cost Estimate Classification: 5



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

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.

Schedule

Start Date: 11/01/2017
Substantial Completion: 06/01/2019
Final Closeout: 06/01/2020

Cost

Total Estimated: \$150,000
Spent to Date: \$0
% 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

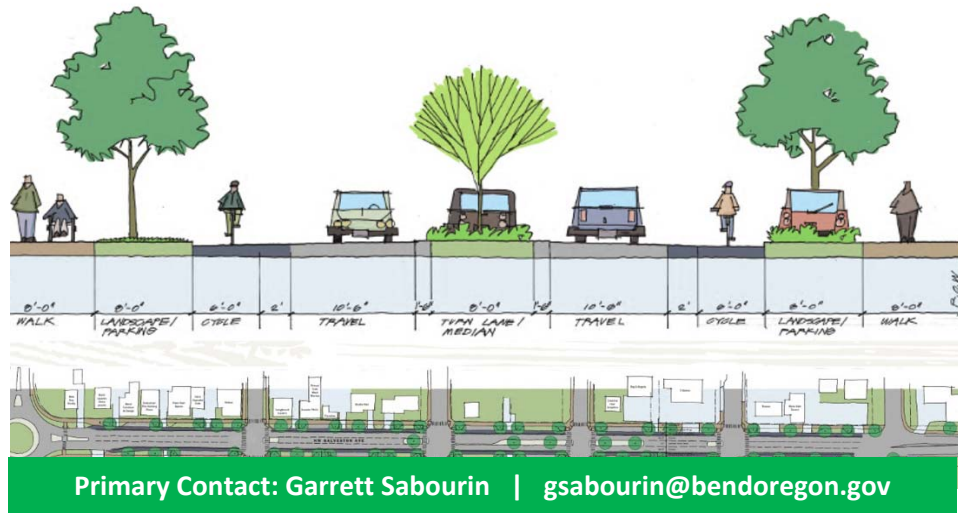
Status Update: Right of way needed before project can move forward.

Cost Estimate Classification: 4



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

Scope includes the design of the three-lane hybrid option, Deschutes River Bridge to 14th 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.

Schedule

Start Date: 06/01/2011
 Substantial Completion: TBD
 Final Closeout: 09/30/2018**

** Construction not funded. Final closeout indicates 100% design.

Cost

Total Estimated: \$950,000[†]
 Spent to Date: \$389,762*
 % Spent to Estimated: 41%

[†] Total cost estimate for design
 * Includes planning prior to CIP

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: Design of the improvements to final design continued. Current tasks include collecting additional survey within the corridor, verifying 30% conceptual design elements and scheduling a public open house for early 2018.

Cost Estimate Classification: 4



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.



Primary Contact: Rory Rowan | rrowan@bendoregon.gov

Scope

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.

Schedule

Start Date: 10/1/2014
 Substantial Completion: 9/30/2018
 Final Closeout: 9/30/2019

Cost

Total Estimated: \$3,535,000
 Spent to Date: \$518,848
 % Spent to Estimated: 15%

Status: On Scope

Adjustments: No change from prior month

Status: On Schedule

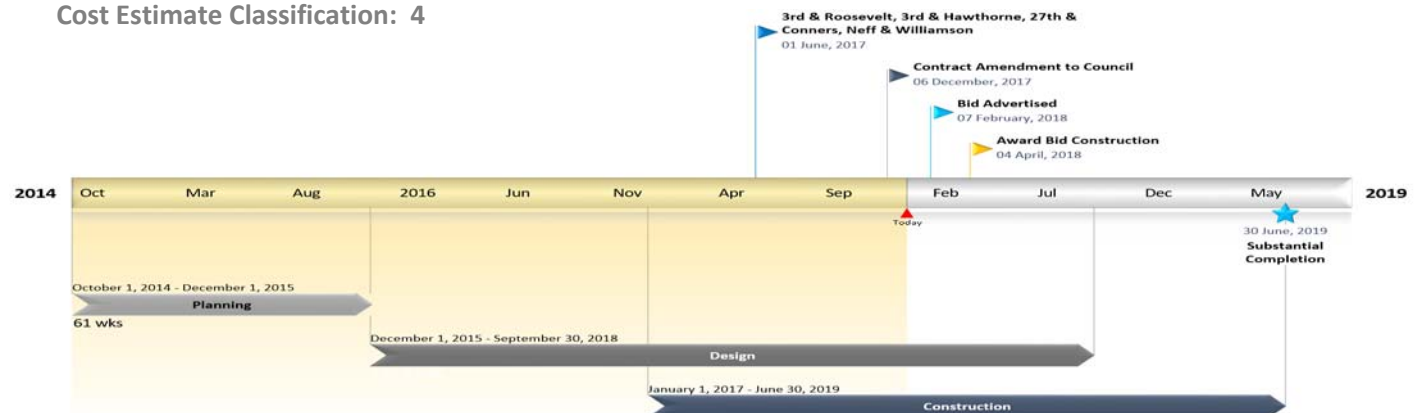
Adjustments: No change from prior month

Status: On Budget

Adjustments: No change from prior month

Status Update: Conners and 27th going out to bid in February for construction in Spring 2018.

Cost Estimate Classification: 4



14th Street Reconstruction

Improve safety of corridor between SW Colorado Avenue and NW Newport Avenue for all modes of transportation. Project is part of voter approved General Obligation Bond and will focus on an 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.

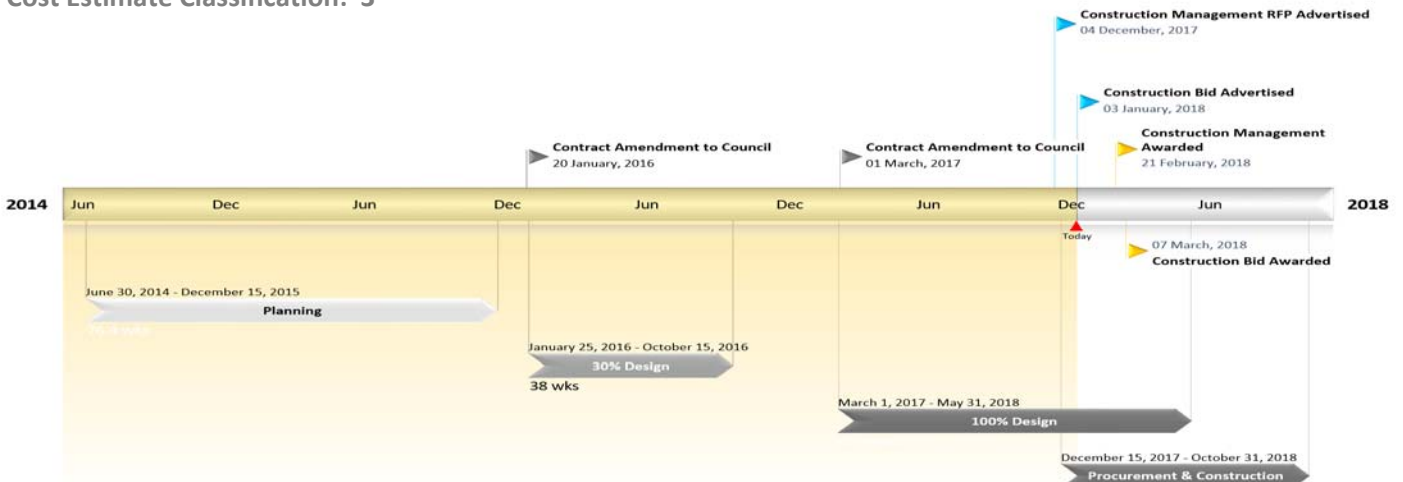


Primary Contact: Garrett Sabourin | gsabourin@bendoregon.gov

| Scope | Schedule | Cost | | | | | | | | | | | | |
|--|--|---|---------------|------|-------|-------------|-------------|-----------|----------------|-------------|-----------|-----------------|-------------|-----|
| Upgrade to City standard to include but not limited to: roadway, surface, curbs, sidewalks, and striping. Includes safety improvements for bicycles, pedestrians and vehicles. The project will be constructed in two phases. Phase I: Simpson to Albany & Galveston to Newport; Phase II: Donovan to Simpson & Albany to Galveston. | Start Date: 06/30/2014 Substantial Completion: TBD Final Closeout: TBD | Total Estimated: \$8,795,000 Spent to Date: \$1,257,205 % Spent to Estimated: 14% | | | | | | | | | | | | |
| | | <table border="1"> <thead> <tr> <th>Sub-Projects:</th> <th>Est.</th> <th>Spent</th> </tr> </thead> <tbody> <tr> <td>PI: GO Bond</td> <td>\$4,893,612</td> <td>\$755,889</td> </tr> <tr> <td>PI: Trans Con.</td> <td>\$1,299,630</td> <td>\$501,316</td> </tr> <tr> <td>PII: Trans Con.</td> <td>\$2,600,000</td> <td>\$0</td> </tr> </tbody> </table> | Sub-Projects: | Est. | Spent | PI: GO Bond | \$4,893,612 | \$755,889 | PI: Trans Con. | \$1,299,630 | \$501,316 | PII: Trans Con. | \$2,600,000 | \$0 |
| Sub-Projects: | Est. | Spent | | | | | | | | | | | | |
| PI: GO Bond | \$4,893,612 | \$755,889 | | | | | | | | | | | | |
| PI: Trans Con. | \$1,299,630 | \$501,316 | | | | | | | | | | | | |
| PII: Trans Con. | \$2,600,000 | \$0 | | | | | | | | | | | | |
| Status: On Scope | Status: On Schedule | Status: On Budget | | | | | | | | | | | | |
| Adjustments: No change from prior month | Adjustments: No change from prior month | Adjustments: No change from prior month | | | | | | | | | | | | |

Status Update: The RFP for selecting a consultant for construction management services was advertised on December 4, 2017 and the RFP for selecting a construction contractor using a best-value procurement method was advertised on January 5, 2018.

Cost Estimate Classification: 3



Egypt Waterline Project

Primary Contact: Brad Tower | btower@bendoregon.gov

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



| Scope | Schedule | Cost |
|---|--|---|
| Design a waterline connection between Ranch Village Dr. and 18th Street. This work will include a pressure zone change to Juniper Ridge to match that of the neighborhood to the southwest. | Start Date: 7/1/2012 Substantial Completion: 09/30/18 Final Closeout: 09/30/18 | Total Estimated: \$771,000 Spent to Date: \$31,255 % Spent to Estimated: 4% Additional Funding Sources: Parks & Rec: \$51,995 COB Street Ops: \$83,033 School District: \$6,000 |
| Status: On Scope | Status: Baseline Schedule Adjustment | Status: On Budget |
| Adjustments: No change from prior month | Adjustments: Schedule adjusted as noted below | Adjustments: No change from prior month |

Status Update: Adjusted the construction schedule in coordination with Parks and School Districts to time construction during the summer school closure.

Cost Estimate Classification: 1



Southeast Interceptor

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

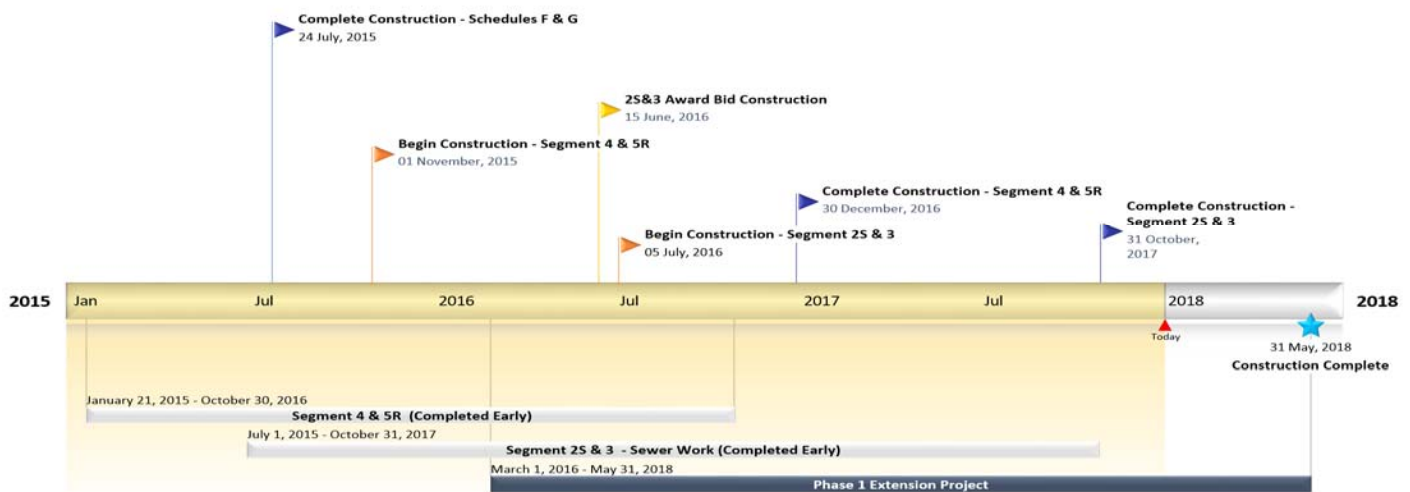


Primary Contact: Eric Forster | eforster@bendoregon.gov

| Scope | Schedule | Cost | | | | | | | | | | | | | | | |
|---|--|--|---------------|------|-------|----------|--------------|--------------|------|--------------|--------------|------|--------------|--------------|------|--------------|-------------|
| Design and construction of gravity sewer, from South 3rd street to the Neff Road connection. Phase 1 Extension Project, approved in January 2016, adds approximately 4,300 feet of sewer main work. | Start Date: 7/1/2006 Sewer Completion: 12/31/2017 Street Completion: 10/31/2017 Phase I Ext. Completion: 5/31/2018 Final Closeout: 5/31/2019 | Total Estimated: \$72,000,000 Spent to Date: \$64,042,056 % Spent to Estimated: 89% <table border="1"> <thead> <tr> <th>Sub-Projects:</th> <th>Est.</th> <th>Spent</th> </tr> </thead> <tbody> <tr> <td>Previous</td> <td>\$17,500,000</td> <td>\$16,765,255</td> </tr> <tr> <td>4&5R</td> <td>\$12,500,000</td> <td>\$12,279,897</td> </tr> <tr> <td>2S&3</td> <td>\$31,500,000</td> <td>\$30,234,162</td> </tr> <tr> <td>P1EX</td> <td>\$10,500,000</td> <td>\$4,762,742</td> </tr> </tbody> </table> | Sub-Projects: | Est. | Spent | Previous | \$17,500,000 | \$16,765,255 | 4&5R | \$12,500,000 | \$12,279,897 | 2S&3 | \$31,500,000 | \$30,234,162 | P1EX | \$10,500,000 | \$4,762,742 |
| Sub-Projects: | Est. | Spent | | | | | | | | | | | | | | | |
| Previous | \$17,500,000 | \$16,765,255 | | | | | | | | | | | | | | | |
| 4&5R | \$12,500,000 | \$12,279,897 | | | | | | | | | | | | | | | |
| 2S&3 | \$31,500,000 | \$30,234,162 | | | | | | | | | | | | | | | |
| P1EX | \$10,500,000 | \$4,762,742 | | | | | | | | | | | | | | | |
| 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 Phase I Extension continues as planned with majority of the piping work to be complete in January with the paving work to follow in the spring when the weather permits.

Cost Estimate Classification: 1



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.



Primary Contact: George Franklet | gfranklet@bendoregon.gov

Scope

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.

Schedule

Start Date: 10/1/2013
 Substantial Completion: 09/30/2018
 Final Closeout: 09/30/2019

Cost

Total Estimated: \$8,860,000*
 Spent to Date: \$4,267,181
 % Spent to Estimated: 52%
 * Includes street preservation work

| Sub-Projects: | Est. | Spent |
|---------------|-------------|-------------|
| Force Main | \$4,450,000 | \$1,882,706 |
| Gravity | \$3,855,000 | \$2,378,037 |
| Lift Station | \$555,000 | \$6,437 |

Status: On Scope

Adjustments: No change from prior month

Status: On Schedule

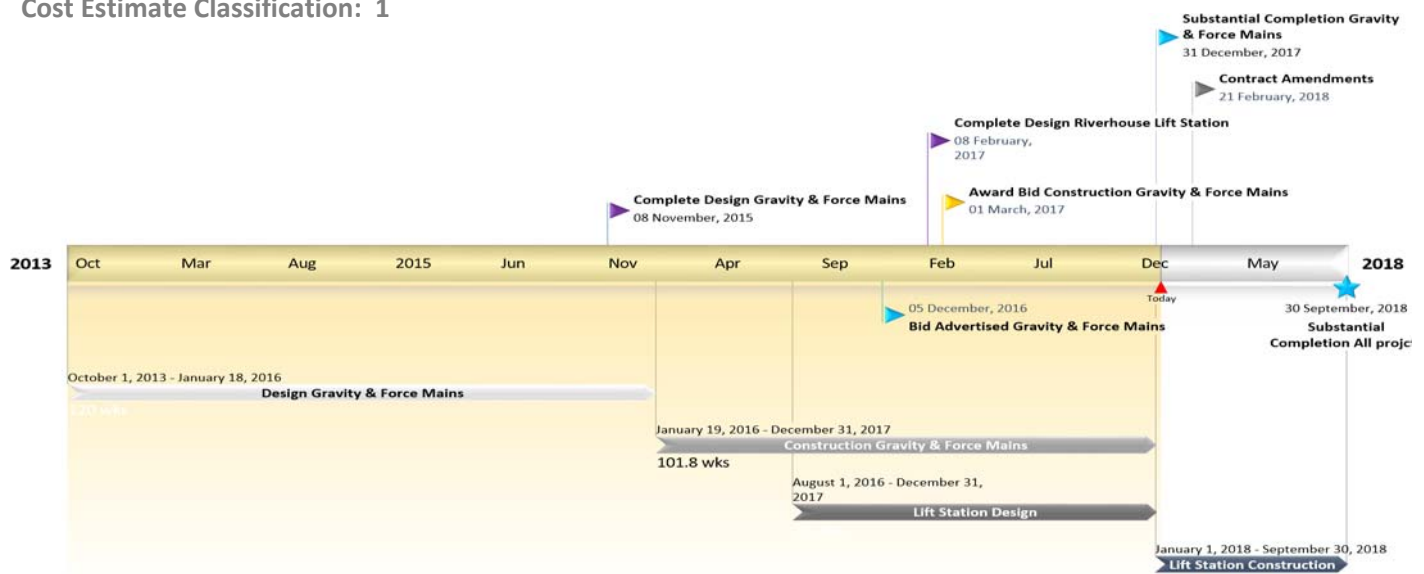
Adjustments: No change from prior month

Status: On budget

Adjustments: No change from prior month

Status Update: The new force mains and gravity mains scheduled to be in operation as of January 2, 2018 with punchlist items remaining to be completed in Spring 2018.

Cost Estimate Classification: 1



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.

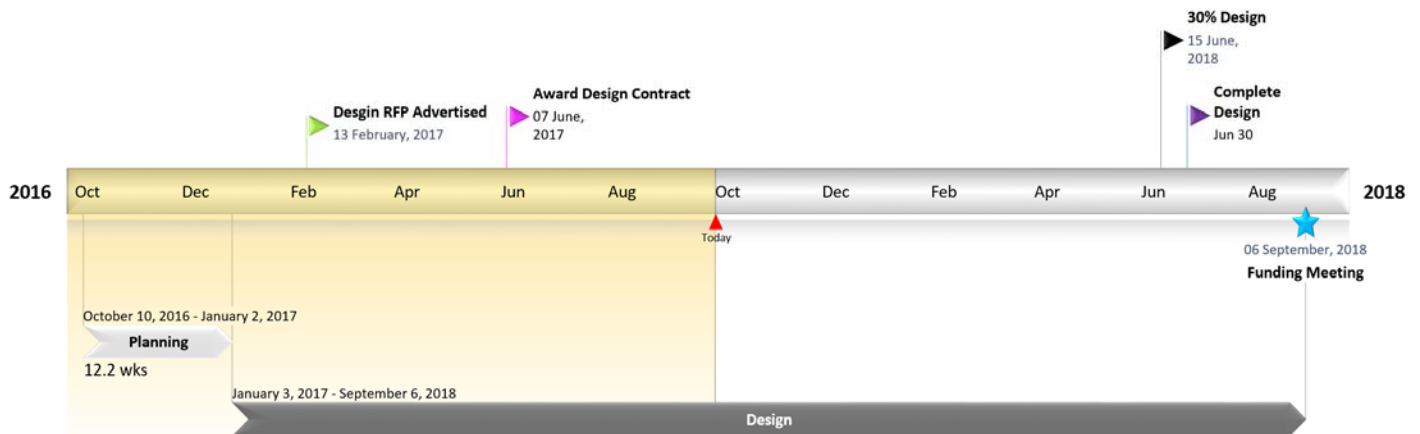


Primary Contact: Skip Martin | smartin@bendoregon.gov

| 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: 12/31/2019 Final Closeout: 12/31/2019* | Total Estimated: \$2,800,000* Spent to Date: \$733,079 % Spent to Estimated: 36% |
| 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: Topographic survey is 80% complete, and scheduled to be completed by December 2018. Citizen's Advisory meetings are on schedule. Approximately 90% of the 550 homeowners have been contacted. All meetings were postponed until March 2018 to allow for financial analysis.

Cost Estimate Classification: 5



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.



Primary Contact: Jason Suhr | jsuhr@bendoregon.gov

Scope

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.

Schedule

Start Date: 3/1/2015
 Substantial Completion: 12/31/18
 Final Closeout: 12/31/19

Cost

Total Estimated: \$10,700,000
 Spent to Date: \$289,264
 % Spent to Estimated: 3%

Status: On Scope

Status: On Schedule

Status: On Budget

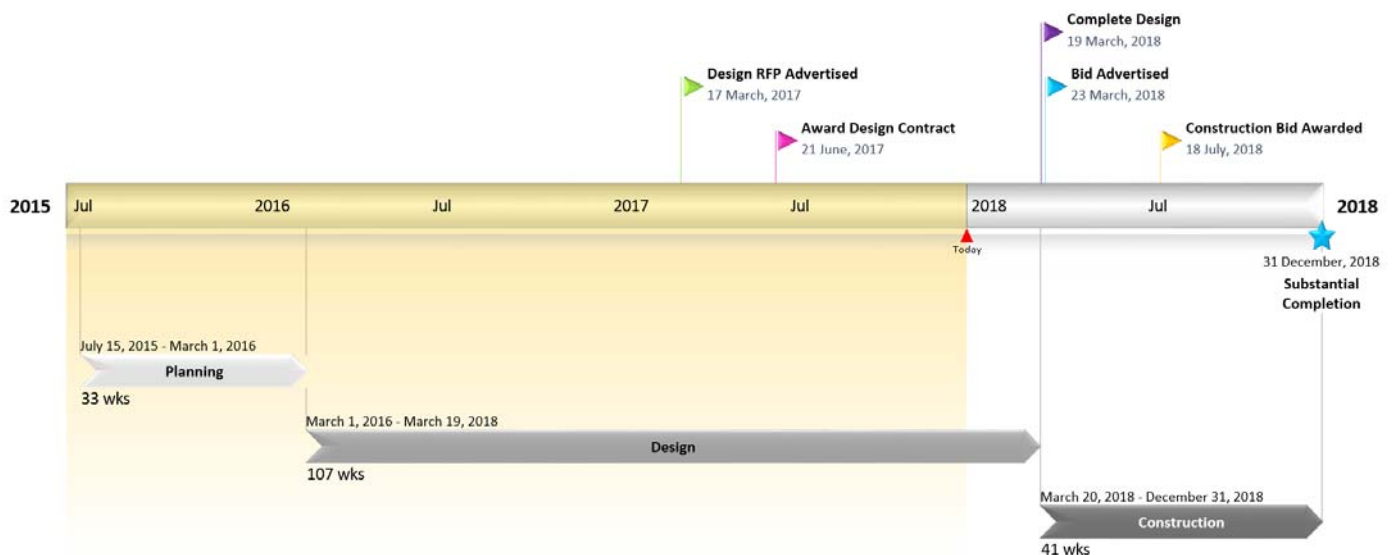
Adjustments: No change from prior month

Adjustments: No change from prior month

Adjustments: No change from prior month

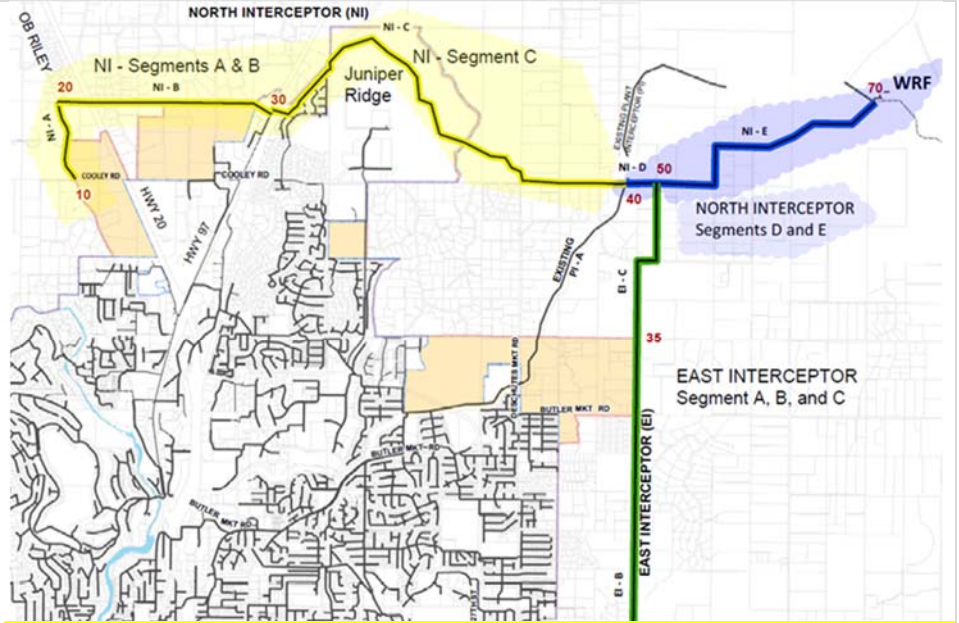
Status Update: 60% design has been submitted and is in review. Permitting and easements is ongoing with multiple property owners and agencies.

Cost Estimate Classification: 4



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).



Primary Contact: Eric Forster | eforster@bendoregon.gov

Scope

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.

Schedule

Start Date: 3/1/17
 Substantial Completion: 12/31/2022
 Final Closeout: 12/31/2023

Cost

Total Estimated: \$23,000,000
 Spent to Date: \$13,951
 % Spent to Estimated: 0.06%

Status: On Scope

Status: On Schedule

Status: On Budget

Adjustments: No change from prior month

Adjustments: Procurement added to timeline

Adjustments: No change from prior month

Status Update: Currently in procurement with RFP scheduled for advertisement in February.

Cost Estimate Classification: 5



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.



Primary Contact: Josh Robertson | jrobertson@bendoregon.gov

Scope

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.

Schedule

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

Cost

Total Estimated: \$8,000,000
 Spent to Date: \$214
 % Spent to Estimated: 0.00%

Status: On Scope

Status: **Potential Schedule Adjustment**

Status: On Budget

Adjustments: No change from prior month

Adjustments: **Delay in procurement may cause schedule adjustment**

Adjustments: No change from prior month

Status Update: Contract not finalized in time to meet previously published council date. Construction manager general contractor (CMGC) contract going to Council on January 17.

Cost Estimate Classification: 5



Pump Station Decommissions Projects

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



Scope

The project consists of decommissioning multiple sewer pump stations throughout the City where gravity sewer diversions have been determined to be viable.

Schedule

Start Date: 3/1/2017
 Substantial Completion: **12/31/2019**
 Final Closeout: **12/31/2020**

Cost

Total Estimated: \$1,515,000
 Spent to Date: \$0
 % Spent to Estimated: 0.00%

Status: Increase Scope

Status: Baseline Schedule Adjustment

Status: Potential Budget Increase

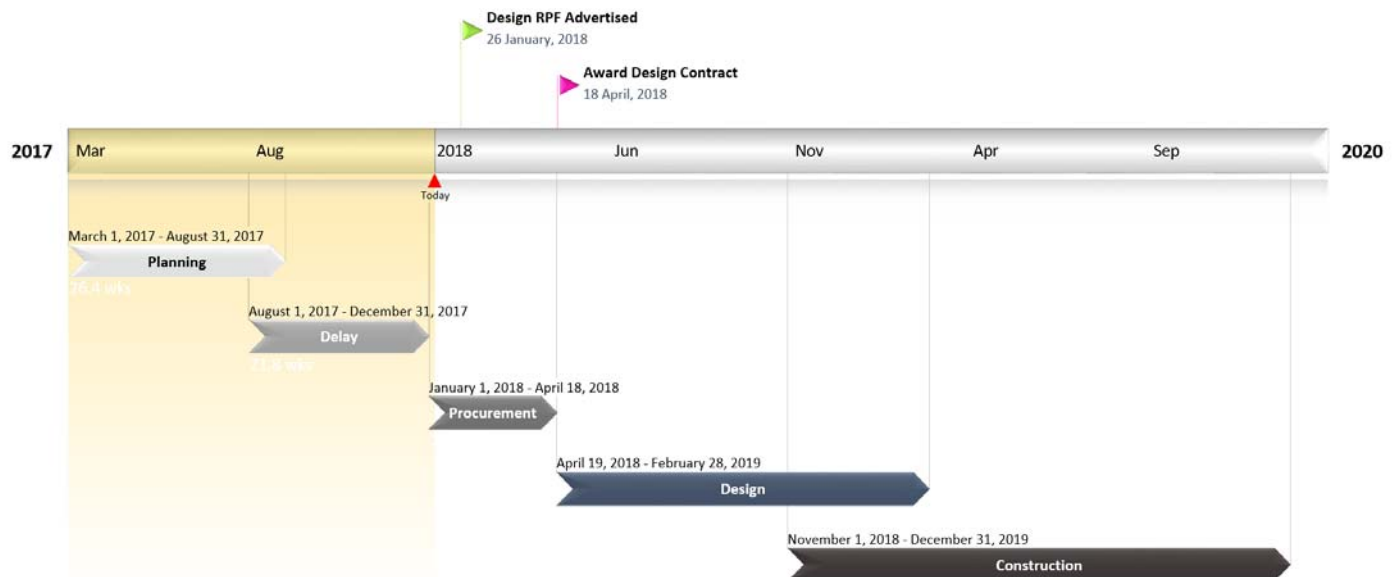
Adjustments: To include design of additional pump stations

Adjustments: Project re-initiated with change in Project Manager

Adjustments: Potential increase in budget based on scope increase

Status Update: Initiating design on decommissioning work. Additional pump stations related to the completion of the SEI identified and added to the design effort. Expect timelines to change as project progresses.

Cost Estimate Classification: 5



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.



Primary Contact: Brad Tower | btower@bendoregon.gov

Scope

This is a synergy project with the Economic Development Department and Bend Police Department.

Schedule

Start Date: 9/1/2017
 Substantial Completion: **05/31/2019**
 Final Closeout: **05/31/2020**

Cost

Total Estimated: \$470,000
 Spent to Date: \$11,122
 % Spent to Estimated: 0.24%

Status: On Scope

Status: **Baseline Schedule Revision**

Status: On Budget

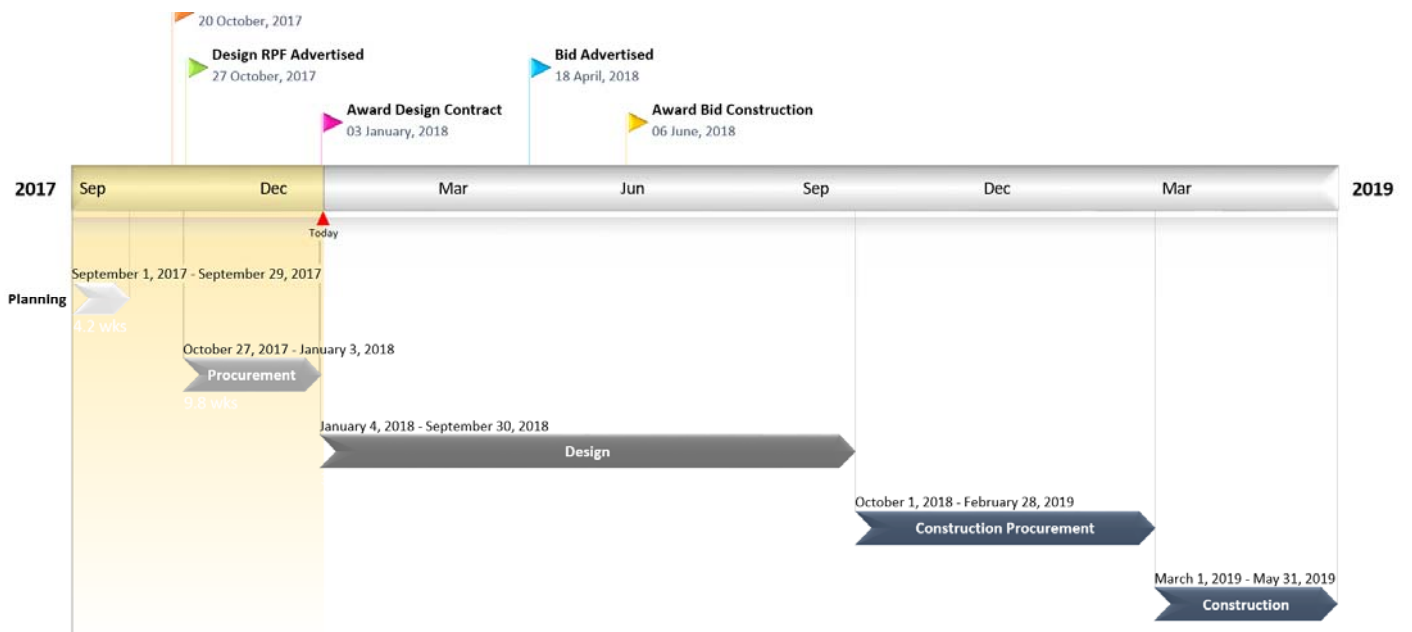
Adjustments: No change from prior month

Adjustments: **Timeline adjusted below**

Adjustments: No change from prior month

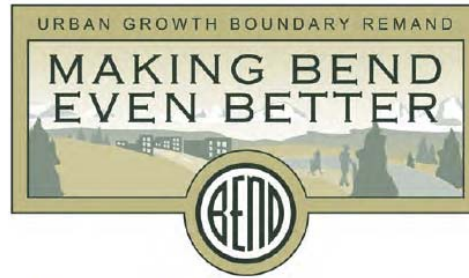
Status Update: Design contract anticipated for approval on January 3. Construction timeline uncertain for 2018 due to funding constraints. Project timeline will be updated after design complete.

Cost Estimate Classification: 5



Collection System Master Plan Post Acknowledgement Plan Amendment

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



Bend Economic Opportunities Analysis

Bend's Growth to 2028

Primary Contact: Skip Martin | smartin@bendoregon.gov

Scope

This is a synergy project with the Growth Management Department and is not included in the Capital Improvement Program.

Schedule

Start Date: 3/1/2017
 Substantial Completion: 4/1/2018
 Final Closeout: 4/1/2018

Cost

Total Estimated: \$92,000
 Spent to Date: \$13,838
 % Spent to Estimated: 15%

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: Initial modeling results received and Public Facilities Plan being drafted.

Cost Estimate Classification: 5

