



Quarterly Project Status Report

Fiscal Year 2024 Quarter 3

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CITY OF BEND
ENGINEERING & INFRASTRUCTURE PLANNING



1PNMP North Mirror Pond Parking & Brooks Promenade Enhancements

Fund: Other	
Project Manager: Ben Hemson Kevin Howard John Condon	Project Phase: Planning
Est. Start Date: July 2023	Est. End Date: June 2025

Description & Background

This project seeks to leverage restricted tourism funds to expand gathering space for events along the Brooks Promenade and in the adjacent plaza. Considerations during the design phase include potential alley widening to accommodate events, an expansion of the plaza area, and the option to construct public restrooms. The project may be constructed at the same time as a proposed renewal of the North Mirror Pond Lot to address traffic flow and safety issues along the Promenade.

Project Schedule & Status

On Schedule	Projected is on schedule
Status Update	Negotiations of scope and cost with top-ranked proposer are complete. The Contract is scheduled to be presented to Council at the March 20, 2024 meeting on the Consent Agenda. The Project Charter has been finalized.

Financial Summary - Spending by Fund Project Photo

Accessibility Construction	--
Transportation Construction	--
Water	--
Water Reclamation	--
Stormwater	--
General Obligation Bond	--
Parking Fund	\$716
Total Spent	\$716



Total Project Cost Estimate	\$2,360,000	South Mirror Pond Parking Lot upon Completion – Previous Project
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1RCAP Stormwater Capital Repair and Replacement Program

Fund: Stormwater	
Project Manager: Brittany Barker	Project Phase: Planning
Est. Start Date: July 2023	Est. End Date: Ongoing Project

Description & Background

The current CIP list from the 2014 Stormwater Master Plan is outdated. This program will provide flexibility to complete stormwater improvements annually through synergy opportunities. Upon completion of the Stormwater Master Plan Update Project (1RMP1), this program may evolve to address pipe replacement segments identified in the CIP.

Project Schedule & Status

On Schedule	This project is on schedule.
Status Update	Funds in the current fiscal year are for synergy opportunities only. Unforeseen stormwater needs are being identified on an on-going basis and synergized with other projects.

Financial Summary - Spending by Fund

Project Photo

Accessibility Construction	--
Transportation Construction	--
Water	--
Water Reclamation	--
Stormwater	--
General Obligation Bond	--
Other	--
Total Spent	\$0



Total Project Cost Estimate	\$2,800,000	Removal and replacement of storm drain
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1RFGU Franklin & Greenwood Underpass

Fund: Water & Stormwater	
Project Manager: Brittany Barker	Project Phase: Planning
Est. Start Date: January 2022	Est. End Date: December 2025

Description & Background

Construction of surface water swales to reduce the volume of water entering the underpass, larger capacity storm drains and a pump station to move water from the underpass to an off-site force main and an infiltration swale to retain and infiltrate stormwater. This project is being combined with 1TMTCC Midtown Crossings and executed concurrently for synergy and efficiencies. A stormwater study will be completed for both the Greenwood and Franklin underpasses. The Franklin underpass is expected to be reconstructed with stormwater improvements incorporated. The Greenwood underpass will not have stormwater improvements included until full resolution is reached on Greenwood improvements.

Project Schedule & Status

On Schedule	This project is on schedule.
Status Update	The project team has kicked off the planning and design phases of the project. The stormwater study is progressing as originally planned. Construction on Franklin is expected to start in fall/winter 2025.

Financial Summary - Spending by Fund Project Photo

Accessibility Construction	--
Transportation Construction	--
Water	\$5,153
Water Reclamation	--
Stormwater	\$8,706
General Obligation Bond	--
Other	--
Total Spent	\$13,859



Legend

- Add Bike Facilities
- Design and Construction
- Quick Build
- CDOT Administered
- Neighborhood Greenways
- Not Built (Phase IV)
- Built
- Planned Low Stress Network
- Existing Paths/Trails
- Parks
- Deschutes River

Total Project Cost Estimate	\$7,582,000	Project location map
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1RMP1 Stormwater Master Plan Update

Fund: Stormwater	
Project Manager: Austin Somhegyi	Project Phase: Planning
Est. Start Date: November 2023	Est. End Date: June 2025

Description & Background

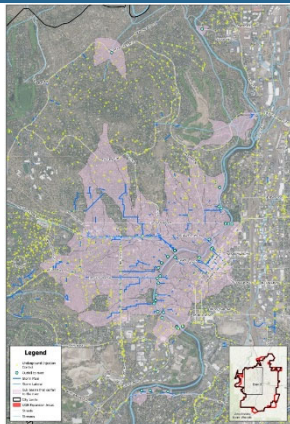
The City of Bend brought consultant OTAK under contract in January, 2024 to provide professional services to prepare an update to the 2014 City of Bend Stormwater Master Plan. The updated master plan will provide direction for the City’s utility stormwater operations, maintenance, system upgrades and development; provide long-term stormwater management strategies necessary to remain compliant with regulatory requirements; create a basis for potential rate structure changes and serve the City of Bend’s stormwater needs over the next 20 years.

Project Schedule & Status

On Schedule	The contract with Otak was executed in January 2024 and the Stormwater Master Plan process was initiated in February 2024. The anticipated duration of the master planning process is anticipated to take place over 18 months.
Status Update	The master planning process is under way, and a data collection workshop was held on March 7th. The project team also met with the Utilities Public Advisory Group during the March meeting to prompt a May work session to discuss stormwater issues and concerns throughout the community. The master planning process is currently in the discovery and visioning stage and is progressing on schedule.

Financial Summary - Spending by Fund Project Photo

Accessibility Construction	--
Transportation Construction	--
Water	--
Water Reclamation	--
Stormwater	\$7,116
General Obligation Bond	--
Other	--
Total Spent	\$7,116



Total Project Cost Estimate	\$500,000	Evaluating City-wide stormwater system
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1SAMM SW Sewer Basin Improvements

Fund: Water Reclamation	
Project Manager: Jason Suhr	Project Phase: Planning
Est. Start Date: March 2020	Est. End Date: May 2028

Description & Background

Gravity sewer line in SW Bend that provides additional capacity to the City’s existing infrastructure and new service to currently undeveloped or unserved areas including Bend’s UGB. Phase 1 included the upsize of 200 feet of existing pipe for additional capacity. Phase 2A included the installation of 1,700 feet of 18-inch diameter pipe, which will serve the entire SW Basin as well as accommodate Bend’s UGB areas in the south, and a new affordable housing development. Phase 2B included the installation of 2,200 feet of 15-inch diameter pipe that serves the SW Basin as well as alleviates deficiencies in the existing sewer system. Phases 3 and 4 are future phases, with a schedule to be determined a later date.

Project Schedule & Status

On Schedule	No change. Project is on schedule.
Status Update	Phases 1, 2A, and 2B are complete. Timing for future phases is to be determined, with funding for design services to commence in the 2024-25 Fiscal Year.

Financial Summary - Spending by Fund Project Photo

Accessibility Construction	--
Transportation Construction	--
Water	--
Water Reclamation	\$5,148,651
Stormwater	--
General Obligation Bond	--
Other	--
Total Spent	\$5,148,651



Total Project Cost Estimate	\$13,332,300	SW Sewer Basin Phase 2A
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1SEMP SE Area Master Plan

Fund: Water Reclamation	
Project Manager: Alex Doza	Project Phase: Design
Est. Start Date: June 2023	Est. End Date: October 2025

Description & Background

The purpose of this project is to increase sanitary sewer system capacity, efficiency and serviceability within the City and the Southeast Area of the City’s UGB. The project will provide for future sewer service to properties within the SEAP and adjacent developments. Southeast Area Master Plan includes installing a regional pump station, force main, and gravity mains in the southeast expansion area known as "The Elbow".

Project Schedule & Status

On Schedule	City-initiated schedule delay based on several factors including confirmation of final pump station siting and design flows and funding constraints based on initial project estimate included within Alternatives Analysis. Further, current lead times for electrical equipment is approximately 18 months which impacts final completion date.
Status Update	<p>The project is in the design phase (also called “Pre-Construction” phase for this contract), which includes designing to 100%, and preparation for the Guaranteed Maximum Price proposal(s). Design is approaching the 60% milestone. Early procurement for long lead materials is scheduled for the April 17th, 2024, Council meeting. Subsequent construction packages are proposed to be presented to Council in June and September 2024, respectively.</p> <p>Project is projected to need additional funding and will require a budget adjustment at the mid-biennium 2023/2025 Capital Improvement Program update.</p>

Financial Summary - Spending by Fund

Project Photo

Accessibility Construction	--
Transportation Construction	--
Water	--
Water Reclamation	\$938,538
Stormwater	--
General Obligation Bond	--
Other	--
Total Spent	\$938,538



Total Project Cost Estimate	\$15,000,000	Southeast Expansion Area
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1SFPU WRF Facilities Plan Update

Fund: Water Reclamation	
Project Manager: Dade Pettinger	Project Phase: Planning
Est. Start Date: February 2024	Est. End Date: December 2025

Description & Background

Update the current facilities plan to reflect current operations and forecasted flow projections for the 2043 planning year at the Water Reclamation Facility (WRF). The current facilities plan was most recently completed in 2008 with a 2030 planning year horizon. Since that time, several factors which influence the operation of the WRF have changed including increased flow, increased waste loading, a major system expansion, revised biological treatment process, and discharge permit requirements. It is typical for facilities plans to be updated every 5 to 10 years depending on overall collection and treatment system dynamics. Project will coordinate with the Collection System Master Plan project to produce a single, 20-year, sewer CIP.

Project Schedule & Status

On Schedule	Current plan is to advertise RFP for consulting services in Q2 2024.
Status Update	Project team presented public involvement plan for acceptance to the Stewardship Subcommittee in spring 2023. Efforts on-going to develop project charter and request for proposals (RFP). RFP advertisement is tentatively slated for May 2024.

Financial Summary - Spending by Fund Project Photo

Accessibility Construction	--
Transportation Construction	--
Water	--
Water Reclamation	\$440
Stormwater	--
General Obligation Bond	--
Other	--
Total Spent	\$440



Total Project Cost Estimate	\$1,150,000	WRF – looking SW towards the City. Secondary clarifiers in foreground.
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1SMP1 Collection System Master Plan Update

Fund: Water Reclamation	
Project Manager: Lisa Cameli	Project Phase: Planning
Est. Start Date: March 2021	Est. End Date: December 2045

Description & Background

Update the City's Collection System Master Plan to reflect current and future build-out conditions, population and employment forecasts and buildable and development types. Major project deliverables include a 20-year Capital Improvement Plan (CIP) and an updated Sewer Public Facilities Plan for the sewer fund, utilizing a 2043 planning year. The project will coordinate with the Water Reclamation Facility (WRF) Facility Plan Update project to produce a single, 20-year, sewer CIP.

Project Schedule & Status

On Schedule	Schedule may be impacted by ongoing contract negotiations.
Status Update	Project team selected Consor Engineering as the proposed Consultant for this work. City is currently in negotiations with Consor to finalize fees and scope of work. Anticipate issuance of an executed consultant contract by early May. Calibrated hydraulic sewer model was delivered to City in winter 2022. Currently working with a 3rd party consultant to update land use projections to reflect most current data. Will utilize FCS to assist with evaluation of financial impacts of proposed long-term CIP.

Financial Summary - Spending by Fund

Project Photo

Accessibility Construction	--
Transportation Construction	--
Water	--
Water Reclamation	\$27,008
Stormwater	--
General Obligation Bond	--
Other	--
Total Spent	\$27,008
Total Project Cost Estimate	\$1,771,900



CITY OF BEND
ENGINEERING &
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1SN05 Pinehaven and Woodhaven Sewer Project

Fund: Water Reclamation	
Project Manager: Carter Lawrence	Project Phase: Construction
Est. Start Date: October 2022	Est. End Date: June 2024

Description & Background

The Pinehaven and Woodhaven Sewer Project was one of two neighborhood extension program (NEP) projects selected in 2022 as part of the fifth selection within the Septic to Sewer Conversion Program. It includes the applications known as Pinehaven and Woodhaven East. The project includes construction of approximately 1,400 linear feet of sewer main and provides service laterals to 16 properties.

Project Schedule & Status

On Schedule	On schedule
Status Update	Council approval of the construction contract was completed on February 21, 2024. Construction was started on March 11, 2024 with completion of the project anticipated in June 2024.

Financial Summary - Spending by Fund

Project Photo

Accessibility Construction	--
Transportation Construction	--
Water	--
Water Reclamation	\$79,107
Stormwater	--
General Obligation Bond	--
Other	--
Total Spent	\$79,107



Total Project Cost Estimate	\$1,000,000	Installation of a sewer manhole.
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1SN06 Silver Sage Sewer Project

Fund: Water Reclamation	
Project Manager: Dade Pettinger	Project Phase: Design
Est. Start Date: October 2022	Est. End Date: November 2024

Description & Background

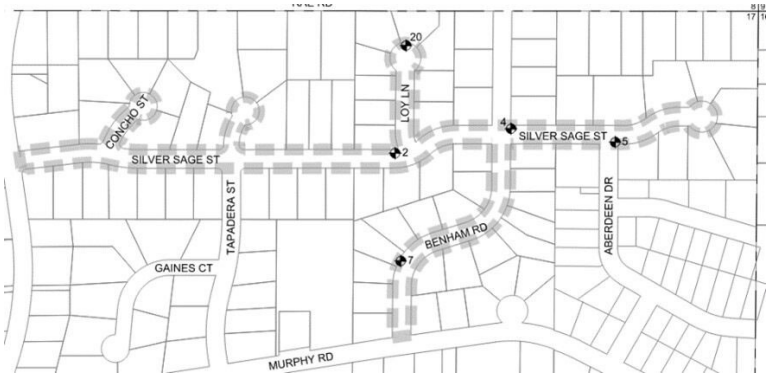
The Silver Sage Sewer Project is one of two neighborhood extension program (NEP) projects selected in 2022 as part of the fifth selection within the Septic to Sewer Conversion Program. It includes the applications known as Tapadera Drive and Benham South. The project includes construction of approximately 3,180 linear feet of sewer main and provides service laterals to 63 properties.

Project Schedule & Status

On Schedule	On schedule
Status Update	Council approval of the construction contract in March 2024, with construction activities to start in spring 2024. Completion of the project is anticipated in October 2024.

Financial Summary - Spending by Fund Project Photo

Accessibility Construction	--
Transportation Construction	--
Water	--
Water Reclamation	\$107,923
Stormwater	--
General Obligation Bond	--
Other	--
Total Spent	\$107,923



Total Project Cost Estimate	\$2,550,000	Project Extents of 100% Design
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1SN07 West View East - Newberry & Twin Lakes - Parkwood Sewer Project

Fund: Water Reclamation	
Project Manager: Drew Wells Carter Lawrence	Project Phase: Design
Est. Start Date: January 2024	Est. End Date: September 2025

Description & Background

This neighborhood extension program (NEP) project was selected in 2023 as part of the sixth selection within the Septic to Sewer Conversion Program. It includes the applications known as West View East, Newberry & Twin Lakes, and Parkwood. The project includes construction of approximately 4,300 linear feet of sewer main and provides service laterals to 64 properties.

Project Schedule & Status

On Schedule	Design is underway for the project. The Parkwood segment is anticipated to be constructed in late 2024 pending design completion and timely DEQ review. The Twin Lakes, Newberry and Westview East segments are anticipated to start construction in spring 2025 with a fall 2025 completion.
Status Update	Design is underway. The Parkwood segment is being designed by City engineering staff. The Twin Lakes, Newberry and Westview East segments are being designed by DOWL by direct appointment. These areas reside within the greater "King's Forest" area, which was designed to 90% completion by DOWL previously.

Financial Summary - Spending by Fund Project Photo

Accessibility Construction	--
Transportation Construction	--
Water	--
Water Reclamation	\$18,354
Stormwater	--
General Obligation Bond	--
Other	--
Total Spent	\$18,354



Total Project Cost Estimate		Parkwood Ct Selection area
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1SNEP Bend Sewer Neighborhood Extension Program

Fund: Water Reclamation	
Project Manager: Jason Suhr Teresa Findley	Project Phase: Planning
Est. Start Date:	Est. End Date:

Description & Background

Septic to Sewer Conversion Program allowing property owners to apply to City for construction of sewer mains and service laterals in their neighborhood. As projects are identified and selected, the funding from this program is transferred into those respective projects for implementation.

For more information please go to: bendoregon.gov/septicsewerprogram

Project Schedule & Status

On Schedule	Remains on schedule – dedicated funding mechanism for Septic to Sewer Conversion Program
Status Update	Current funded projects are 1SN04 (complete), 1SN05, 1SN06, and 1SN07 – See project pages. This is the funding mechanism for the projects and is allocated 3.5 million dollars annually. See the Water Reclamation 5-Year Capital Improvement Program

Financial Summary - Spending by Fund Project Photo

Accessibility Construction	--
Transportation Construction	--
Water	--
Water Reclamation	\$542
Stormwater	--
General Obligation Bond	--
Other	--
Total Spent	\$542



Total Project Cost Estimate	\$16,767,100	General workflow for septic to sewer conversion projects.
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1SPCR WRF Primary Clarifier Rehabilitation

Fund: Water Reclamation	
Project Manager: Dade Pettinger	Project Phase: Construction
Est. Start Date: October 2022	Est. End Date: April 2025

Description & Background

The purpose of this project is to replace sludge collector mechanisms and associated equipment in Primary Clarifiers 1 & 2 that are nearing the end of their useful life. Additional work will include rehabilitation of select, deteriorated concrete surfaces. The replacement will both increase asset lifespan and provide a safer working environment.

Project Schedule & Status

On Schedule	On schedule
Status Update	Notice to proceed for construction services was issued in October 2023. The sludge collector mechanisms will take eight to nine months to procure. Actual onsite construction is expected to begin July 2024.

Financial Summary - Spending by Fund

Project Photo

Accessibility Construction	--
Transportation Construction	--
Water	--
Water Reclamation	\$109,728
Stormwater	--
General Obligation Bond	--
Other	--
Total Spent	\$109,728



Total Project Cost Estimate	\$4,016,300	Primary Clarifier #1 & #2
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1SPS1 Awbrey Glen and Westside Pump Station Improvements

Fund: Water Reclamation	
Project Manager: Lisa Cameli	Project Phase: Design
Est. Start Date: January 2022	Est. End Date: March 2026

Description & Background

The Awbrey Glen and Westside Pump Station Improvements Project includes electrical, instrumentation, mechanical, and controls upgrades at both the Awbrey Glen and Westside Pump Stations. Site circulation and safety will also be improved with this project. Improvements will address important safety, operational and maintenance issues at these aging pump stations.

Project Schedule & Status

On Schedule	Due to permitting and long lead equipment procurement timelines, the estimated substantial completion date has been updated to March 2026. City has added scoping to Westside PS portion to include addition of pig launcher and valving on existing discharge forcemain.
Status Update	Revised 100% design document (which includes Permitted set) submitted to City in January 2024 for both pump station sites. Permit approval for both sites is complete. Consultant has been directed by the City to add design elements at Westside PS so Consultant is revising 100% plan to include new design elements. Target date for NTP for construction is early October 2024.

Financial Summary - Spending by Fund Project Photo

Accessibility Construction	--
Transportation Construction	--
Water	--
Water Reclamation	\$811,155
Stormwater	--
General Obligation Bond	--
Other	--
Total Spent	\$811,155



Total Project Cost Estimate	\$5,491,100	Awbrey Glen Pump Station
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1SRRR Water Reclamation Capital Repair and Replacement Projects

Fund: Water Reclamation	
Project Manager: Jason Suhr	Project Phase: Planning
Est. Start Date:	Est. End Date: Ongoing Project

Description & Background

Annual program funding for synergy opportunities with other projects not yet defined or budgeted to address sewer system deficiencies or system expansion. Program funding additionally allows for the creation of rehabilitation projects to address the aging collection system.

Project Schedule & Status

On Schedule	Program is not yet active but in planning phases internally
Status Update	Program is to provide funding for internal planning, coordination, and synergy opportunities.

Financial Summary - Spending by Fund Project Photo

Accessibility Construction	--
Transportation Construction	--
Water	--
Water Reclamation	\$7,238
Stormwater	--
General Obligation Bond	--
Other	--
Total Spent	\$7,238
Total Project Cost Estimate	\$11,000,000



CITY OF BEND
ENGINEERING &
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1TABB Archie Briggs Bridge

Fund: Transportation Construction	
Project Manager: Janet Hruby	Project Phase: Design
Est. Start Date: July 2023	Est. End Date: June 2027

Description & Background

This project combines the replacement for two adjacent bridges (#17CO5 and #17CO40). The existing bridges were installed in 1973 using non-standard construction with rail cars of unknown age. The bridges are load restricted which limits heavy loads of some service vehicles, including larger emergency vehicles. Also, there is no sidewalk or bike lanes, and the low guardrails are shorter than required for walking and biking. The bridge conditions have been deteriorating over the past two inspections to the current poor sufficiency ratings below 30. (Bridge ratings of 60 – 100 are considered fair to good.) The bridges need to be replaced and the city was able to obtain a grant for design and construction of a new bridge (or bridges).

This bridge replacement project includes a new bridge (or bridges) that can support projected traffic volumes, heavy vehicles, a sidewalk, bike lanes, utility relocations, (including City water and sewer) and a shared use path on one side of the street from the Deschutes River trail to Caddis Fly Way.

Project Schedule & Status

Baseline Schedule Adjustment	Design phase delayed due to extended ODOT contracting.
Status Update	Contracting negotiations extended and still ongoing. Design estimated to start Q3 2024. Future Budget Adjustments will come forward for the water and water reclamation funds.

Financial Summary - Spending by Fund

Project Photo

Accessibility Construction	--
Transportation	--
Water	--
Water Reclamation	--
Stormwater	--
General Obligation Bond	--
Other	--
Total Spent	\$0



Total Project Cost Estimate	\$2,000,000	Overview of Archie Briggs Bridge
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1TBKE Bend Bikeway Project

Fund: Accessibility Construction, Transportation Construction & General Obligation Bond	
Project Manager: Kevin Howard	Project Phase: Design
Est. Start Date: August 2023	Est. End Date: June 2025

Description & Background

The Bend Bikeway project was developed in 2023 to help reach the City Council’s goal of constructing continuous North-South and East-West key walking and bicycling routes by June of 2025. This project will identify, select, design and construct bike and pedestrian improvements that are continuous, easy to navigate and as separated from traffic as feasible along the routes selected.

Pedestrian and biking improvements on the crosstown routes are funded by project 1TBKE on the Transportation Construction Fund. Project 1ADEA on the Accessibility Construction fund will contribute accessibility improvements along the crosstown routes. Additionally, a shared used path will be constructed adjacent to Ninth Street between Reed Market Road and Wilson Avenue, funded by project 1TBKE on the 2020 General Obligation Bond Construction Fund.

Project Schedule & Status

On Schedule	Analysis and design began in fall of 2023 and the public outreach program kicked off early 2024. The goal is to complete designs by the end of 2024 and construction by June of 2025.
Status Update	Staff have begun the design of the Bend Bikeway project with close coordination between associated GO Bond and Transportation Projects. *As project progresses anticipation of a budget adjustment based on scope – reflected in future quarterly report* Project is projected to need additional funding and will require a budget adjustment at the mid-biennium 2023/2025 Capital Improvement Program update.

Financial Summary - Spending by Fund Project Photo

Accessibility Construction	\$27,762
Transportation Construction	\$138,184
Water	--
Water Reclamation	--
Stormwater	--
General Obligation Bond	\$44,044
Other	--
Total Spent	\$209,990



Total Project Cost Estimate	\$4,173,300	Bike and Pedestrian Safety Improvements on a Neighborhood Greenway
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1TBKP Bicycle Program

Fund: Transportation Construction	
Project Manager: Janet Hruby	Project Phase: Planning
Est. Start Date: January 2023	Est. End Date: Ongoing Project

Description & Background

Project P-4 identified in the Transportation System Plan. This is a comprehensive program to facilitate bicycle travel within the City. Program would include implementation and updates to the bicycle Low Stress Network Plan. This includes implementing the bicycle Low Stress Network, Neighborhood Greenways, wayfinding, crossings, and traffic calming.

Project Schedule & Status

On Schedule	Wayfinding phase 1 adjusted to 2024 to align with Crosstown Bikeways routes, design completion on track for 2024. Quick build project estimated November 2024 through June 2025
Status Update	Wayfinding project selected sign and reviewing program report and sign placement plan. Updating IGA with the Parks District to accommodate City sign placement.

Financial Summary - Spending by Fund Project Photo

Accessibility Construction	--
Transportation Construction	\$102,662
Water	--
Water Reclamation	--
Stormwater	--
General Obligation Bond	--
Other	--
Total Spent	\$102,662
Total Project Cost Estimate	\$700,000





1TBMW Butler Mkt \ Wells Acres

Fund: Transportation Construction	
Project Manager: Matthew Jaroslowski	Project Phase: Design
Est. Start Date: October 2024	Est. End Date: October 2025

Description & Background

1TBMW is a synergy project funded by the transportation fund, water reclamation fund, and 2020 GO Bond. The scope of the project includes Intersection improvements on Butler Market Rd and Wells Acres Rd, a single lane roundabout will be constructed through the intersection and a 36" Interceptor will be installed beneath the Roundabout to facilitate the future sewer interceptor improvements beneath Butler Market Rd. As part of the north south key pedestrian and bicyclist route, the Butler Market Road corridor will receive pedestrian and bicyclist improvements to bring the Level of traffic stress to a level 1 or 2.

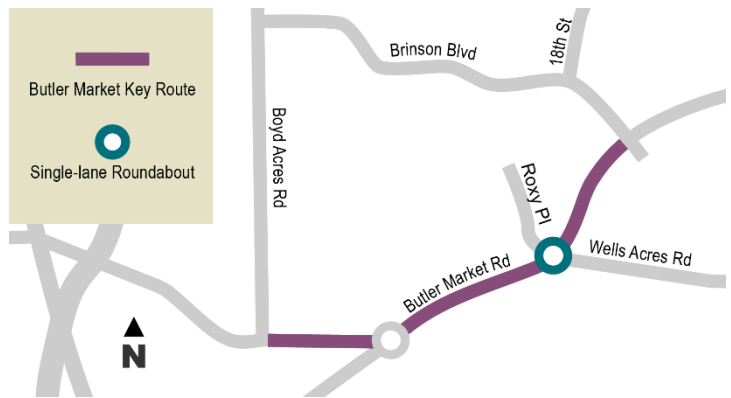
Project Schedule & Status

On Schedule	Alternatives analysis for the Key Routes: Complete Design of Key Routes and Roundabout: October 2024 PSE and Bidding Documents ready for Solicitation: October 2024 Begin Construction: January 2025 Complete construction: October 2025
Status Update	Alternatives analysis for the Key Routes has been completed and approved to move forward by the Community Building Subcommittee and the Key Routes Design will continue. The roundabout has been completed through 60% plans and will be combined with the 60% key routes plan review in an effort to take both phases of the project to bid simultaneously for a single Construction solicitation. Expectation is to have bidding documents ready for Procurement by the end of the third quarter in 2024 and construction completed by the end of third quarter 2025. Project is projected to need additional funding and will require a budget adjustment at the mid-biennium 2023/2025 Capital Improvement Program update.

Financial Summary - Spending by Fund

Project Photo

Accessibility Construction	--
Transportation Construction	\$584,503
Water	--
Water Reclamation	--
Stormwater	--
General Obligation Bond	--
Other	--
Total Spent	\$584,503



Total Project Cost Estimate	\$6,445,300	Project location map
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1TNPS Neff & Purcell Intersection & 1GPUR Purcell Extension Project

Fund: Transportation Construction, Water, Water Reclamation, Stormwater & General Obligation Bond	
Project Manager: Drew Wells	Project Phase: Construction
Est. Start Date: August 2018	Est. End Date: January 2024

Description & Background

The Neff and Purcell Intersection improvement project includes work to replace an aging signal, new sidewalks where gaps currently exist on Neff Road between Eastwood Drive and Purcell Boulevard, and sewer and stormwater improvements that are highly interrelated to the work at the intersection. Improvements to the existing intersection of Neff and Purcell for all modes of transportation as well as to the pedestrian infrastructure to the west of the signal. An alternatives analysis, backed by City Council review, have determined that a signal is the preferred alternative at this intersection.

The Purcell Extension includes a two-lane roadway extension from Purcell Boulevard’s current terminus north of the St. Charles Hospital to Courtney Drive. This project also includes work to construct sidewalks where gaps currently exist from Full Moon Drive to the beginning of the Purcell Extension, and striping for bike lanes from Full Moon Drive to Neff Road. The Purcell extension project is the GO Bond related work under the Neff and Purcell Intersection project. This project appears on the 2020 GO Bond CIP as 1GPUR Purcell Boulevard Extension.

Project Schedule & Status

On Schedule	The Intersection achieved substantial completion 12/28/23, with landscaping and punchwork items remaining. The Purcell Extension achieved substantial completion 2/2/24 with minor landscaping and punchwork items remaining.
Status Update	Both the Neff & Purcell Intersection project and the Purcell Blvd. Extension projects are substantially complete, with various landscaping and minor punch-list items remaining for both projects. Landscaping and the remaining punch-list work is anticipated to be completed the first part of April 2024, fully completing the physical construction of both projects.

Financial Summary - Spending by Fund Project Photo

Accessibility Construction	--
Transportation Construction	\$7,137,133
Water	\$610,661
Water Reclamation	\$1,050,354
Stormwater	\$778,901
General Obligation Bond	\$2,513,509
Other	--
Total Spent	\$12,090,558



Total Project Cost Estimate	\$10,605,500	Completed Purcell Extension Roadway
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1TRVF Riverfront Improvements

Fund:	
Project Manager: Brad Tower	Project Phase: Design
Est. Start Date: February 2024	Est. End Date: October 2025

Description & Background

The City of Bend is partnering with the Bend Parks and Recreation District to build out a missing connection of the Deschutes River Trail from Galveston Avenue to Millers Landing Park along NW Riverfront Street.

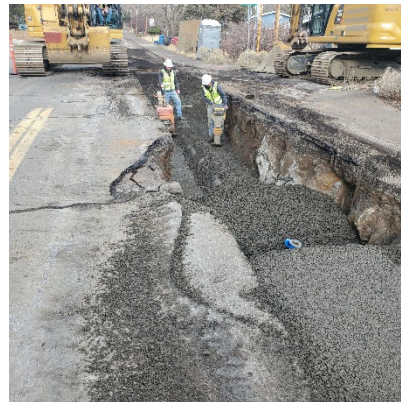
Project Schedule & Status

On Schedule	Design is to be completed by Fall 2025, and construction may start as early as spring 2026, pending future funding.
Status Update	Survey data collection has started along Riverfront Street.

Financial Summary - Spending by Fund

Project Photo

Accessibility Construction	--
Transportation Construction	--
Water	--
Water Reclamation	--
Stormwater	--
General Obligation Bond	--
Other	--
Total Spent	\$0



Total Project Cost Estimate	\$1,028,600	Backfill of trench in Riverfront Street
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1WABD Awbrey Butte Distribution Improvements

Fund: Accessibility Construction, Water, Water Reclamation & Stormwater	
Project Manager: Austin Somhegyi	Project Phase: Construction
Est. Start Date: October 2021	Est. End Date: June 2025

Description & Background

In 2021, the City of Bend adopted the Integrated Water System Master Plan (iWSMP), which evaluated the City of Bend’s current water distribution system capacity and the ability to serve projected demands for the next 20 years. The iWSMP identified the Awbrey Butte Distribution Improvements project (“Project”), which is made up of nine sub-projects to replace or install over 4 miles of water pipelines. This Project also includes some synergy opportunities for stormwater, sewer, street preservation, sidewalk infill, and other utility improvements in the vicinity of the project area.

Project Schedule & Status

On Schedule	This project is on schedule and anticipated to complete construction of all phases late Spring/early Summer of 2025. GMP3 for Phase 3 is anticipated to go to council for approval September 2024.
Status Update	<p>Construction for Phase 1 of the Project is nearing completion, with Subproject #4 & #5 anticipating final paving in April 2024. Construction for Phase 2 is under way, which includes installation of a 30" water transmission line from Mt Washington & Shevlin Park Rd RAB to the Awbrey Reservoir, 15" sewer trunk main in Shevlin Park Road, 8" distribution main upgrades and stormwater improvements along Saginaw Ave, Juniper Street, and Trenton Ave, and 16" and 18" distribution main upgrades along Portland Avenue from NW 9th Street to east of the Portland Bridge. GO Bond transportation improvements are also included in the Portland Avenue work.</p> <p>Phase 3 of the project is currently at 60% design and includes a new valve and building and reservoir connection at the Awbrey Reservoir site.</p>

Financial Summary - Spending by Fund Project Photo

Accessibility Construction	\$13,552
Transportation Construction	--
Water	\$13,861,711
Water Reclamation	\$1,035,712
Stormwater	\$535,382
General Obligation Bond	--
Other	--
Total Spent	\$15,446,357



Total Project Cost Estimate	\$31,122,900	Installation of new 24" water main in NW 9th Street.
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1WFRB Firerock Bridge

Fund: Water	
Project Manager: Carter Lawrence	Project Phase: Design
Est. Start Date: June 2023	Est. End Date: December 2024

Description & Background

The Firerock Footbridge is a pedestrian bridge that spans the Deschutes River approximately 1,400-linear feet downstream of the Archie Briggs vehicular bridge. The bridge connects privately-owned land in the Rimrock West neighborhood on the west side of the river and a publicly owned parcel in the Rimrock Village Subdivision on the east side of the river. The project will remove the non-compliant, structurally deficient, derelict bridge and associated staircase on the east side of the river. Additionally, the project will include restoration of the riverbank and land effected by bridge removal processes.

Project Schedule & Status

On Schedule	Design is nearing completion, and permit acquisitions are in process. Construction is anticipated for Fall of 2024 in conjunction with the 2024 in-water work window.
Status Update	Project team is drafting and submitting various permit applications for review and approval. Project is anticipated to advertise for construction in early summer 2024.

Financial Summary - Spending by Fund Project Photo

Accessibility Construction	--
Transportation Construction	--
Water	\$131,219
Water Reclamation	--
Stormwater	--
General Obligation Bond	--
Other	--
Total Spent	\$131,219



Total Project Cost Estimate	\$550,000	Firerock Bridge Crossing
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1WFRR Water Capital Repair and Replacement Program

Fund: Water	
Project Manager: Ivan Sinkus	Project Phase: Planning
Est. Start Date: July 2023	Est. End Date: Ongoing

Description & Background

In 2021, the City of Bend adopted the Integrated Water System Master Plan (iWSMP), which evaluates the ability of the City’s water distribution system to meet level of service standards under both current and future demand conditions. The iWSMP identified a need to address deteriorating water distribution pipe infrastructure through a Repair and Replacement Program to mitigate main breaks and leaks. There is limited funding available for waterline replacement synergy opportunities through the end of FY 2024 while prioritization tools and an implementation strategy are being evaluated. Beginning in FY 2025, the City will launch a \$2.5 million annual program to replace the prioritized pipe segments and increase the level of service of the system. \$500,000 of the budget annually will remain for synergy opportunities not yet defined or budgeted. This program will continue until the existing identified pipe segments have all been replaced. The City’s current replacement rate is 1 mile per year, but with the start of this program, the City will look to double this rate while prioritizing replacement decisions based on objective data.

Project Schedule & Status

On Schedule	This project is on schedule.
Status Update	The project team is in the process of exploring data collection, verifying data accuracy, and has developed a project prioritization tool for an annual water main repair and replacement program to kick off in FY 25. Based on available GIS data, as-built drawings, and general department knowledge, the prioritization tool identifies repair and replacement project viability using a number of factors categorized as either "consequence of failure" or "likelihood of failure" variables. With the project team now in agreement with scoring criteria, project selection based on the model output is in progress. Once (3) projects recommended by the model are selected, these will be designed in-house, and one project will be constructed in FY 25 provided the necessary funding is available.

Financial Summary - Spending by Fund Project Photo

Accessibility Construction	--
Transportation Construction	--
Water	--
Water Reclamation	--
Stormwater	--
General Obligation Bond	--
Other	--
Total Spent	\$0



Total Project Cost Estimate	\$15,656,400	Removal and replacement of waterline.
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1WHCD In-Conduit Hydropower Feasibility Study

Fund: Water	
Project Manager: Austin Somhegyi	Project Phase: Study
Est. Start Date: February 2023	Est. End Date: April 2024

Description & Background

The purpose of the study is to develop feasibility concepts for in-conduit hydropower opportunities available in the City of Bend municipal water system. In October 2021, the City of Bend adopted the Integrated Water System Master Plan (iWSMP), which outlined several potential future projects to the City’s municipal water system. These projects include improvements to the Outback Facility, such as pretreatment. The iWSMP also discussed possible implementation of in-conduit hydropower generation that would work in conjunction with pretreatment at the Outback Facility and elsewhere throughout the water system.

The Feasibility Assessment activities are inputs into the development of one or more potential in-conduit hydropower projects in association with the Outback Facility Expansion and throughout the City of Bend water system.

Project Schedule & Status

On Schedule	The findings from the In-Conduit Hydropower Feasibility Study indicated that the Outback and Awbrey Reservoir sites were opportune to implement in-conduit hydropower. This was presented to Council on February 20, 2024, where Council wanted to continue to pursue these alternative energy opportunities to meet our Community Climate Action Plan goals. The final report was issued February 21, 2024, and posted on the water system tour website. This project is substantially complete; however, the contract remains open until April 30th for potential input on the 1WABD Awbrey Waterline Phase 3 plan review to prepare the site to implement in-conduit hydro at the Awbrey Reservoir at a later date.
Status Update	This project is substantially complete; however, the contract remains open until April 30th for potential input on the 1WABD Awbrey Waterline Phase 3 plan review to prepare the site to implement in-conduit hydro at the Awbrey Reservoir at a later date.

Financial Summary - Spending by Fund Project Photo

Accessibility Construction	--
Transportation Construction	--
Water	\$231,140
Water Reclamation	--
Stormwater	--
General Obligation Bond	--
Other	--
Total Spent	\$231,140



Bend In-conduit Hydropower Feasibility Study Report

City of Bend, Oregon
 City Project No. 1WHCD

Jacobs



Total Project Cost Estimate	\$250,000	Pictured is the current water dissipation structure where excess water pressure is currently being removed from the system with no energy recovery.
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1WOFI Outback Facility Improvements

Fund: Water	
Project Manager: Brittany Barker	Project Phase: Planning
Est. Start Date: July 2022	Est. End Date: June 2028

Description & Background

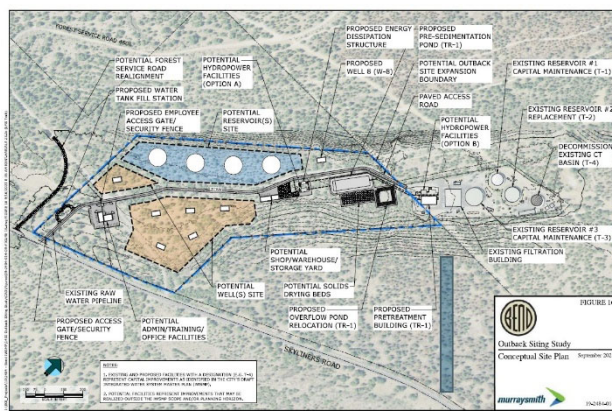
The Outback site has nearly reached its development capacity with both above- and below-ground infrastructure. The adopted Integrated Water System Master Plan 2021 (iWSMP), identified a need to expand the City-owned, 15-acre Outback site with an additional approximate 48 acres of adjacent Forest Service (FS) land to serve our growing community over the next 20 years and beyond. The Townsite Act is the process for acquiring the adjacent Forest Service land. Expanding the Outback site will help complete essential infrastructure improvements, accommodate future needs of the community, and provide greater protections and resiliency of the City’s water supply for both drinking and emergency response. Future projects include creating an Outback Facility Plan and phasing of CIP improvements starting with our most critical fire resiliency projects, Pretreatment & In-Conduit Hydropower.

Project Schedule & Status

On Schedule	This project is on schedule.
Status Update	<p>For the Townsite Act process, a Work Plan and schedule of environmental surveys have been developed with environmental surveys anticipated to start in summer 2024. A Building Resilient Infrastructure & Communities (BRIC) Grant application was submitted in February 2024 to construct the Pretreatment and In-Conduit Hydropower projects at the Outback site. We will be notified in Fall 2024 if we are successful in receiving the \$50M grant (with the City contributing \$14.5M).</p> <p>An RFP for the Outback Facility Plan to compile past plans and explore phasing of CIP work is anticipated to be advertised in late summer 2024. Following the successful acquisition of the additional 48 acres of land, Outback facility improvements identified in the iWSMP can begin design and construction.</p>

Financial Summary - Spending by Fund Project Photo

Accessibility Construction	--
Transportation Construction	--
Water	\$134,485
Water Reclamation	--
Stormwater	--
General Obligation Bond	--
Other	--
Total Spent	\$134,485



Total Project Cost Estimate	\$26,339,100	Outback Expansion Conceptual Site Plan
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AP22B Air Traffic Control Tower – Siting & Design

Fund: Other	
Project Manager: Tracy Williams Matthew Jaroslowski	Project Phase: Design
Est. Start Date: July 2023	Est. End Date: December 2025

Description & Background

Project will design an Air Traffic Control Tower (ATCT) at the Bend Municipal Airport (BDN) to satisfy the objectives provided by the FAA’s Federal Contract Tower (FCT) Program. The ATCT at BDN is identified as the most important project to improve safety, reduce air traffic congestion, address neighbor noise concerns, and increase operational efficiency. Project includes supplemental weather station. The ATCT has been identified by FAA Air Traffic Control staff as a critical need for Central Oregon air traffic.

The current 2023-2025 biennial budget proposal only includes design of the ACTC. The City is actively seeking additional grant funding for construction of the tower. If additional grant funds are secured, the budget will be adjusted accordingly.

Project Schedule & Status

On Schedule	Design completed February 2024, Receive construction bids and council approval April 2024 Begin construction summer 2024 dependent on Federal Funding Construction complete October 2025
Status Update	Project is moving along with the EA final Approval by the FAA and the issuance of the Finding of No Significant Impact (FONSI) statement, City staff and FAA approved consultant Morrison Maierle to perform AE services, Design is moving forward according to schedule. 100% design plans were submitted to COB and FAA for review on 2/19/23. A construction Request for Qualifications was released February 28, 2024 on the City eProcurement portal, Bonfire. A pre-bid meeting and site visit is scheduled for March 13, 2024. Construction bids are due March 28, 2024.

Financial Summary - Spending by Fund Project Photo

Accessibility Construction	--
Transportation Construction	--
Water	--
Water Reclamation	--
Stormwater	--
General Obligation Bond	--
Other	\$1,620,184
Total Spent	\$1,620,184



Total Project Cost Estimate	\$1,900,600	Rendering of new air traffic control tower
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Public Works Campus Public Works Campus

Fund: Other	
Project Manager: Jo Wells	Project Phase: Construction
Est. Start Date: January 2022	Est. End Date: December 2025

Description & Background

Combine Engineering and Infrastructure Planning, Facilities, Fleet, Transportation and Mobility and Utilities into a new Public Works Campus at Juniper Ridge. The new site shall maximize efficiencies of similar facility functions and improve operations to better serve the City of Bend’s growing community. It should be built to serve the current needs and allow for future growth and flexibility.

Long term debt will be issued to fund the project. Annual debt service payments will be funded through interfund transfers from the departments located at the new campus.

Project Schedule & Status

On Schedule	The project is on schedule with anticipated move in by the end of 2025.
Status Update	The Public Works Campus in continuing its design and has started construction. The first two GMPs were approved by Council in June and September 2023. The final GMP is set for council approval on April 17, 2024.

Financial Summary - Spending by Fund Project Photo

Accessibility Construction	--
Transportation Construction	--
Water	--
Water Reclamation	--
Stormwater	--
General Obligation Bond	--
Other	\$17,941,696
Total Spent	\$17,941,696



Total Project Cost Estimate	\$130,665,700	Rendering of Entry
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