



**CITY COUNCIL MEETING
STAFF REPORT**

Meeting Date: October 7, 2024		Subject: Boeckman Creek Sanitary Sewer Interceptor and Trail Project Update (CIP No. 2107 and No. 9150)	
		Staff Member: Andrew Barrett, PE, Capital Projects Engineering Manager	
		Department: Community Development	
Action Required		Advisory Board/Commission Recommendation	
<input type="checkbox"/> Motion <input type="checkbox"/> Public Hearing Date: <input type="checkbox"/> Ordinance 1 st Reading Date: <input type="checkbox"/> Ordinance 2 nd Reading Date: <input type="checkbox"/> Resolution <input checked="" type="checkbox"/> Information or Direction <input type="checkbox"/> Information Only <input type="checkbox"/> Council Direction <input type="checkbox"/> Consent Agenda		<input type="checkbox"/> Approval <input type="checkbox"/> Denial <input type="checkbox"/> None Forwarded <input checked="" type="checkbox"/> Not Applicable	
		Comments: N/A	
Staff Recommendation: Provide Council with a summary of public feedback and an update on preliminary design for the Boeckman Creek Sanitary Sewer Interceptor and Trail Project.			
Recommended Language for Motion: N/A			
Project / Issue Relates To:			
<input type="checkbox"/> Council Goals/Priorities:	<input checked="" type="checkbox"/> Adopted Master Plan(s): Wastewater Collection System Master Plan Project CIP-05 & 06, Transportation System Plan Project RT-01, Parks and Recreation Master Plan Project 1.2.f.	<input type="checkbox"/> Not Applicable	

ISSUE BEFORE COUNCIL:

Staff will present the current status of the Boeckman Creek Interceptor and Trail Project including a summary of public outreach efforts and public input received to date and an overview of the preliminary sewer interceptor and trail design.

EXECUTIVE SUMMARY:

The Boeckman Creek Sanitary Sewer Interceptor and Trail project (Project) consists of two high priority capital improvement projects along the corridor of Boeckman Creek, between Memorial Park and Boeckman Road. These projects are planned improvements, which are necessary to support the Frog Pond development areas.

The Boeckman Creek Sanitary Sewer Interceptor Project is identified in the 2014 Wastewater Collection System Master Plan (Project ID Nos. CIP-05 and CIP-06) and is a critical sanitary sewer system improvement that will upsize the existing gravity sanitary sewer interceptor line primarily located within the Boeckman Creek corridor. The project extends from the newly constructed Memorial Park Lift Station located in Memorial Park to Boeckman Road, approximately 7,500 feet upstream. The primary purpose of the Interceptor Project is to upsize the existing interceptor line to serve development within Frog Pond West and future development within Frog Pond East and South, which are currently being planned.

The Trail Project is identified in the Bicycle and Pedestrian Master Plan (Project ID R3) as a regional trail linking Memorial Park in the south to the Stafford Spur Trail to the north (east of the existing Canyon Creek Park). The trail portion of the project consists of a 10 to 12-foot-wide paved shared-use path from Memorial Park to Boeckman Road that will mainly follow the alignment of the Interceptor Project. The trail will serve as access to the new interceptor pipeline, allowing Wilsonville Public Works Department to perform regular maintenance on the wastewater infrastructure. Trail amenities including benches, signage, and a trail overlook, and other improvements typical of a forested shared use pathway are planned as part of the Project.

Phase I of the Project began with the preliminary engineering design. This phase includes verifying design assumptions, mapping existing conditions, gathering input from community members, selecting sewer and trail alignments, determining the permitting strategy, and completing preliminary design to about 30%.

As the design nears 30% completion, the complexities of the project have become clearer. The topography and soil conditions within the Boeckman Creek corridor make construction in this area challenging. Geotechnical investigation through the corridor has revealed existing soil conditions that are unable to support the weight of maintenance vehicles, requiring the maintenance access/trail to be set back from the downslope side of the trail alignment, where the soil conditions are more stable. This added clearance results in the need for retaining walls along the upslope side of the maintenance access/trail path for much of the alignment, which will minimize slope re-grading and tree removal within the corridor. To minimize the length and height of the retaining walls, the design team has modified maintenance access/trail design, narrowing to the path to 10 feet in width and increasing the allowed running slope, but still within Americans with Disabilities Act (ADA) trail design standards. Further refinement to minimize the need for walls will occur as design work continues.

As the sewer interceptor and trail approach Wilsonville Road, the slopes on the east side of Boeckman Creek become extremely steep, with significant trees and three Bridge Creek

Apartment buildings located near the top of the slope, making extension of the maintenance access/trail through this area infeasible. These constraints require the trail to depart from sewer alignment and head across Boeckman Creek to the west with construction of a bridge span and an elevated boardwalk (Figure 1) to complete the regional trail to Memorial Park. The trail bridge and boardwalk are estimated to cost \$4.5M to complete and would not be designed to provide maintenance access to the sewer interceptor. As a result, sewer utility fees and systems development charges could not be used to fund this portion of the project and appropriate sources of funding, such as Parks System Development Charges, would need to be identified and budgeted.

In order to move forward with the sewer interceptor upsizing necessary to support development of the Frog Pond neighborhoods, the project team is separating the maintenance access/trail into two separate projects. The first trail segment will continue with construction of the maintenance access/trail as part of the sewer interceptor project between Boeckman Road and the east approach to the bridge span over Boeckman Creek near Wilsonville Road. A turnaround at the east bridge approach will be designed to accommodate sewer maintenance equipment and trail users and will be included with sewer interceptor construction. The second project will include design and construction of the trail bridge span and boardwalk (Figure 1) between the turnaround and Memorial Park (at Wilsonville Road). This project will be constructed as funding is identified and budgeted.

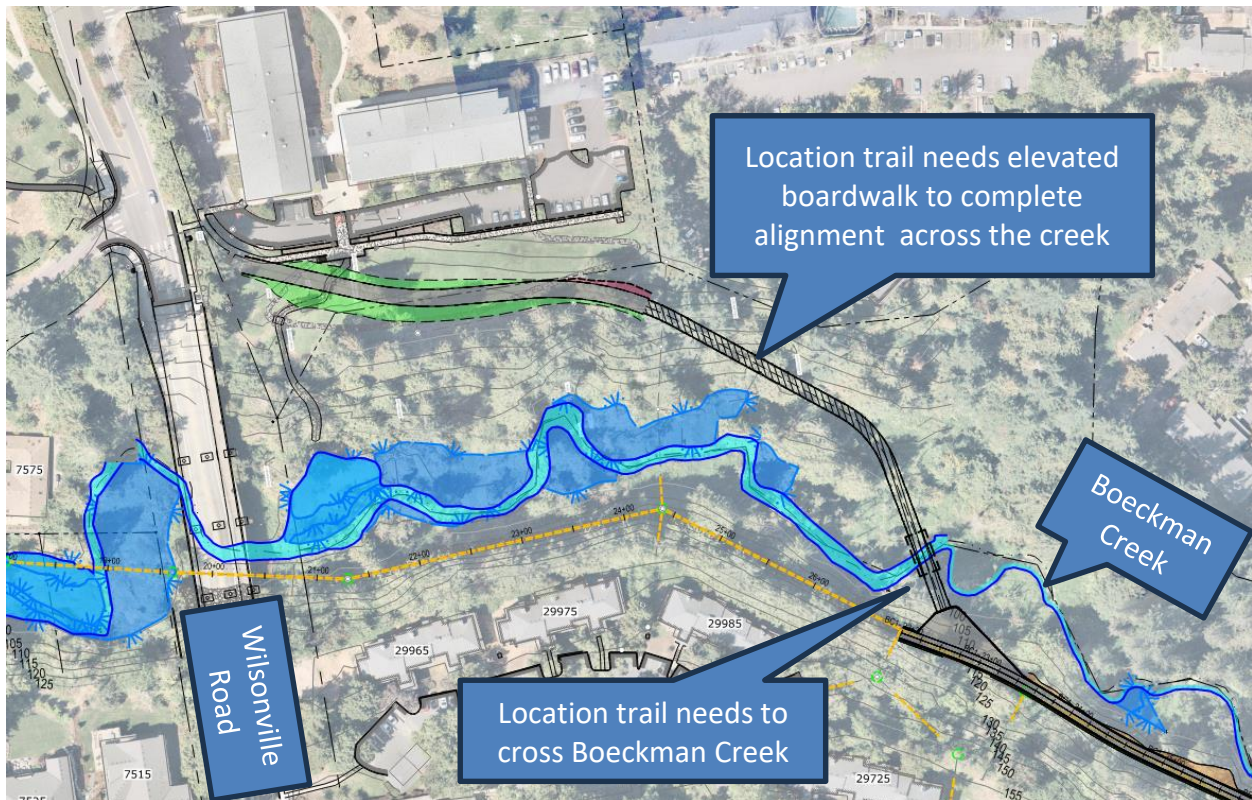


Figure 1: Boeckman Creek Trail Bridge & Boardwalk

EXPECTED RESULTS:

The Project will upgrade 7,500 feet of the existing Boeckman Creek Sanitary Sewer Interceptor to provide additional capacity needed to support development within Frog Pond. In addition, the Project will build 6,500 feet of the Boeckman Creek regional trail, a shared use path, connecting Memorial Park to the existing and planned trail segments in the Frog Pond West neighborhood.

TIMELINE:

Phase I, preliminary design phase, of the Project is scheduled to be completed by October 30, 2024. A contract amendment for Phase 2, final design and construction documents, will be before the City Council for consideration at the October 21 City Council Meeting. Construction is anticipated to begin in the first quarter of 2026 and completed by the third quarter of 2027.

CURRENT YEAR BUDGET IMPACTS:

The adopted budget for Fiscal Year (FY) 2024-2025 includes \$2,723,725 in sewer operating and sewer System Development Charges (SDC) and \$258,050 in parks SDC for design, property acquisition, and project administration.

COMMUNITY INVOLVEMENT PROCESS:

The Boeckman Creek Regional Trail is identified as a high priority project in the Bicycle and Pedestrian Master Plan, the last major update to the Wilsonville Transportation System Plan, and the 2018 Parks and Recreation Master Plan. All of the plans included an extensive community involvement process. Likewise, the Boeckman Interceptor project is identified as a high priority project in the 2015 Wastewater Collection System Master Plan and included engagement with the community.

Opportunities to participate in the planning and design of the project have occurred through various stages of design, as follows.

- May 25, 2023 – Neighborhood open house for residents and property owners adjacent to the project limits. Gather neighborhood concerns and design considerations to inform project development. Share upcoming fieldwork expectations as design work gets underway.
- July 11, 2023 – Let’s Talk, Wilsonville! pre-design survey (May 26-July 11). Gather community-wide input on trail design preferences and considerations through an online survey.
- August 17, 2023 – Citywide open house to gather trail design preferences, considerations and concerns to help inform project development.
- September 11, 2024 – Citywide open house to provide feedback and input on preliminary sewer and trail alignments.

- Throughout the project - Meetings and other communications with various stakeholders along the project

Additional public engagement activities will occur as the project advances in design and construction, which will include surveys, stakeholder and neighborhood engagement, as well as engagement through Let's Talk, Wilsonville!, Boones Ferry Messenger, a City project webpage, social media, mailers, and door hangers.

POTENTIAL IMPACTS OR BENEFIT TO THE COMMUNITY:

The Project will provide reliable wastewater service, capacity, and support for the Frog Pond neighborhoods, and a regional bike and pedestrian trail from Boeckman Road to Memorial Park. This trail will provide alternative means for the community to travel from the residential areas of the City to essential services and recreational areas, such as Wilsonville Town Center civic, medical, shopping, and employment areas, Wilsonville High School, Boeckman Creek Primary, and Frog Pond Primary, and Memorial Park, while providing maintenance access to the new sanitary sewer interceptor.

ALTERNATIVES:

The project work included a number of design alternatives assessed as part of the preliminary engineering work, which will continue to be refined as project design work advances. The final sanitary sewer interceptor and trail alignment and design will be based on a number of considerations, including capital and operations/maintenance costs, environmental permitting risk, impacts to natural resources, Americans with Disabilities Act compliance, impacts and benefits to the community and others as identified through the public engagement process.

CITY MANAGER COMMENT:

N/A

ATTACHMENTS:

1. Vicinity Map
2. Boeckman Interceptor and Trail – Public Comment Summary and Comment Cards