



## CITY COUNCIL MEETING STAFF REPORT

<b>Meeting Date:</b> April 6, 2020		<b>Subject: Resolution No. 2804</b> A Resolution of the City of Wilsonville to Amend the Adopted 2012 Stormwater Master Plan Project List to Add Projects SD-2163-2167 & 2437-2446: Pipeline Upsizing Ridder Road and Peters Road and ST-7: Boeckman Creek at Boeckman Road Stormwater Study.	
		<b>Staff Member:</b> Dominique Huffman, PE, Civil Engineer	
		<b>Department:</b> Community Development	
<b>Action Required</b>		<b>Advisory Board/Commission Recommendation</b>	
<input checked="" type="checkbox"/> Motion <input checked="" type="checkbox"/> Public Hearing Date: April 6, 2020 <input type="checkbox"/> Ordinance 1 <sup>st</sup> Reading Date: <input type="checkbox"/> Ordinance 2 <sup>nd</sup> Reading Date: <input checked="" type="checkbox"/> Resolution <input 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	
		<b>Comments:</b> N/A	
<b>Staff Recommendation:</b> Staff recommends that Council adopt Resolution No. 2804.			
<b>Recommended Language for Motion:</b> I move to approve Resolution No. 2804.			
<b>Project / Issue Relates To:</b>			
<input checked="" type="checkbox"/> Council Goals/Priorities: Expand and Maintain High Quality Infrastructure		<input checked="" type="checkbox"/> Adopted Master Plan(s): Transportation System Plan (UU-08)	
		<input type="checkbox"/> Not Applicable	

### ISSUE BEFORE COUNCIL:

A City of Wilsonville resolution adding two projects to the 2012 Stormwater Master Plan project list, under Table 9-2 Prioritized CIP Projects, SD-2163-2167 & 2437-2446: Pipeline upsizing on Ridder Road and Peters Road and ST-7: Boeckman Creek at Boeckman Road stormwater study.

**EXECUTIVE SUMMARY:**

At the time of 2012 Stormwater Master Plan adoption, stormwater improvements within the Coffee Creek Industrial Area were not foreseen, as a detailed infrastructure analysis of the area had not yet been completed. While the Boeckman Creek stormwater study had been originally included in the 2012 Stormwater Master Plan project list, the project was removed as a priority under subsequent stormwater fee and system development charge analysis. Both projects have been identified as priority stormwater projects, as described in detail below. Inclusion of the projects on the master plan project list allows the projects to be eligible for Stormwater System Development Charge (SDC) funding.

SD-2163-2167 & 2437-2446: Pipeline upsizing on Ridder Road and Peters Road:

Identified as part of the Garden Acres roadway design, the existing stormwater pipelines serving the developed area in and around the Ridder Road and Garden Acres Road area need to be upsized to serve the build out of much of the Coffee Creek Industrial Area. This project funds construction of the stormwater pipeline along Ridder Road and Peters Road, approximately 2,400 feet of pipeline upsizing. The existing 18-inch stormline along Ridder Road will be replaced with a 42-inch stormline and will connect into the line running along Peters Road. The existing 24-inch stormline along Peters Road will be replaced with a new 48-inch stormline.

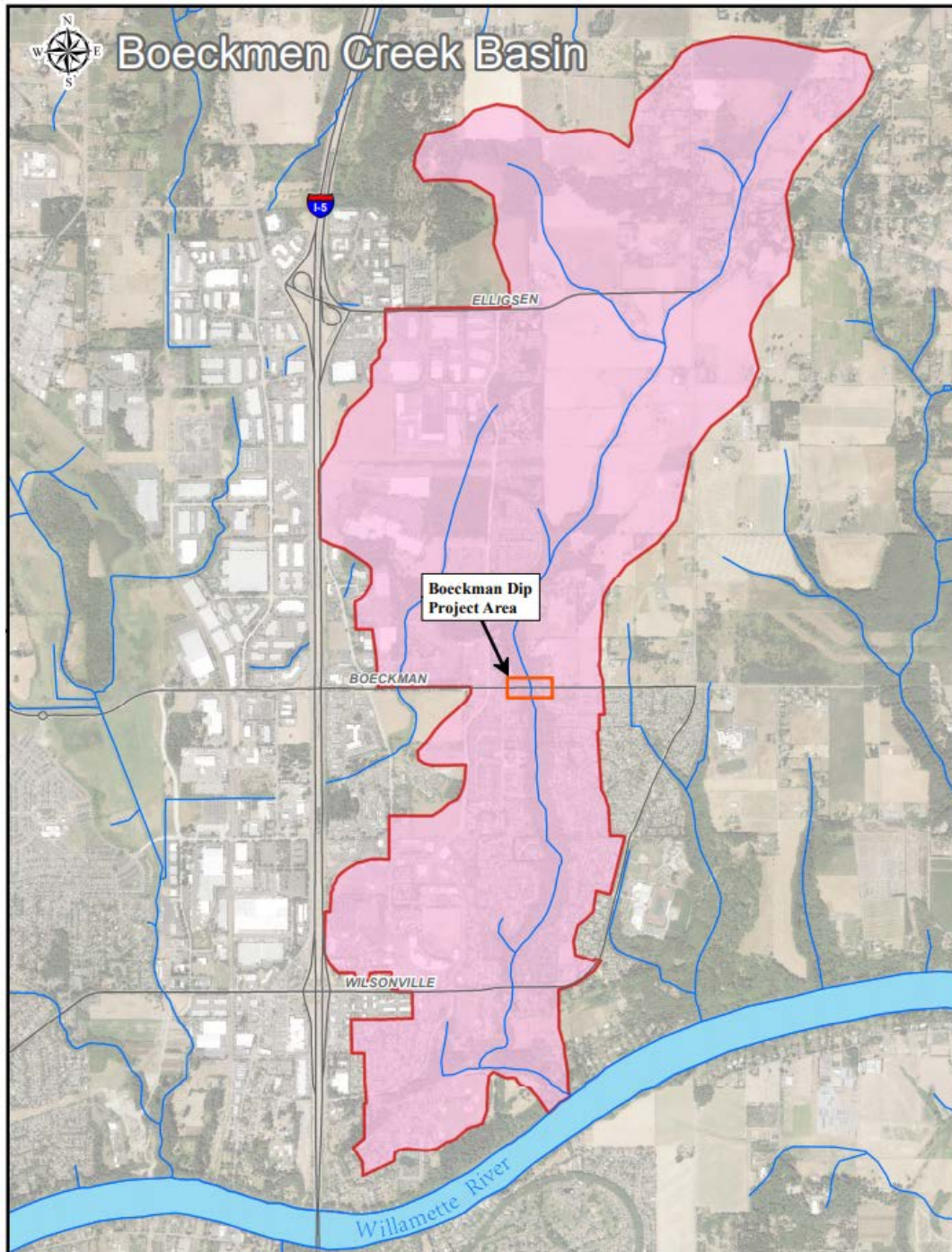
**Figure 1: Stormwater Pipeline Upsizing**



**ST-7: Boeckman Creek at Boeckman Road stormwater study:**

Identified in the Stormwater Master Plan, but currently not on the SDC-funded project list, Boeckman Creek currently travels through a culvert and water control structure under Boeckman Road. If the road is realigned and any modifications are made to the existing stormwater system, the detention system may be affected. This study would evaluate the existing conditions, assess the road realignment options and identify alternatives to address potential flow modifications that may relate to the road project and the stability of the creek bed and banks through the project reach and downstream to the Willamette River.

**Figure 2: Boeckman Creek at Boeckman Dip Stormwater Study Area**



**EXPECTED RESULTS:**

SD-2163-2167 & 2437-2446: Pipeline upsizing on Ridder Road and Peters Road:

Upsizing the stormwater pipeline will serve development of the eastern half of the Coffee Creek Industrial Area, approximately 155 acres.

ST-7: Boeckman Creek at Boeckman Road stormwater study:

The realignment of Boeckman Road will bring a vertical curve up to standard and serve Frog Pond development. The road project requires a better understanding of how the creek and surrounding areas might be affected by potential flow modifications.

**TIMELINE:**

SD-2163-2167 & 2437-2446: Pipeline upsizing on Ridder Road and Peters Road:

A portion of the stormwater pipeline will be constructed in coordination with CIP 4201, Garden Acres – Ridder to Day and is expected to be completed by January 2021. The remainder of the project will be constructed as a future phase of construction prior to buildout of the eastern portion of the Coffee Creek Industrial Area.

ST-7: Boeckman Creek at Boeckman Road stormwater study:

The City will hire a consultant as part of the Boeckman Road realignment project. Staff is currently developing the project scope.

**CURRENT YEAR BUDGET IMPACTS:**

SD-2163-2167 & 2437-2446: Pipeline upsizing on Ridder Road and Peters Road:

The amended FY2019-20 budget includes \$831,200 for construction, administration, and overhead costs to construct a portion of the stormwater project (CIP #7061) as part of the Garden Acres Road project (CIP #4201). The remainder of the project, estimated at \$1,770,000, will be designed and built as a future project phase prior to buildout of the eastern portion of the Coffee Creek Industrial Area.

ST-7: Boeckman Creek at Boeckman Road stormwater study:

Upon addition of the project to the Stormwater Master Plan project list, a new CIP #7065 will be created and funded through CIP #7995 in the amount of \$20,000 and CIP #7999 in the amount of \$28,375. A fund transfer will be processed at a later date. An additional \$42,425 in stormwater fees to complete the study will be included as part of the FY 2020/21 budget request.

**FINANCIAL REVIEW / COMMENT:**

Reviewed by: CAR Date: 3/25/2020

**LEGAL REVIEW / COMMENT:**

Reviewed by: BAJ Date: 3/25/2020

**COMMUNITY INVOLVEMENT PROCESS:**

SD-2163-2167 & 2437-2446: Pipeline upsizing on Ridder Road and Peters Road:

The Coffee Creek Master Plan included an extensive community involvement process with multiple stakeholder meetings, public meetings, and hearings before both City Council and the Planning Commission. In addition, the Garden Acres Road project included a robust public engagement process, including numerous meetings with adjacent property owners and project stakeholders prior to finalizing design and beginning construction.



ST-7: Boeckman Creek at Boeckman Road stormwater study:

The Boeckman Creek at Boeckman Road stormwater study was already incorporated in the 2012 Stormwater Master Plan. The master planning process included extensive community involvement as part of the plan adoption.

The Boeckman Dip Project is in the preliminary design/feasibility stage. The project is identified in the adopted Wilsonville Transportation System Plan, which underwent extensive public involvement. Developing the project scope has involved City Council updates. A robust community engagement program will begin during project design.

**POTENTIAL IMPACTS OR BENEFIT TO THE COMMUNITY:**

SD-2163-2167 & 2437-2446: Pipeline upsizing on Ridder Road and Peters Road:

Installation of this stormwater pipeline with the Garden Acres – Ridder to Day project will serve future private development within the Coffee Creek Industrial Area.

ST-7: Boeckman Creek at Boeckman Road stormwater study:

The study will inform the design and constructability of the bridge and will provide valuable information about how the existing culverts work in the Boeckman Creek basin and how possible flow modifications might affect the project design, project cost, and the overall stability of Boeckman Creek within the project reach and downstream to the Willamette River.

**ALTERNATIVES:**

SD-2163-2167 & 2437-2446: Pipeline upsizing on Ridder Road and Peters Road:

Stormwater pipelines are best located within the roadway and are needed prior to installation of additional impervious surface. No other alternative locations for the stormwater pipeline are considered practical.

ST-7: Boeckman Creek at Boeckman Road stormwater study:

The alternative is not performing the stormwater study and not being informed about the project impact on the Boeckman Creek stormwater basin.

**CITY MANAGER COMMENT:**

N/A

**ATTACHMENTS:**

1. Resolution No. 2804
  - A. 2012 Stormwater Master Plan – Replacement Table 9.2 – Prioritized CIP Projects

## **RESOLUTION NO. 2804**

### **A RESOLUTION OF THE CITY OF WILSONVILLE TO AMEND THE ADOPTED 2012 STORMWATER MASTER PLAN PROJECT LIST (TABLE 9-2 – PRIORITIZED CIP PROJECTS) TO ADD PROJECTS SD- 2163-2167 & 2437-2446: PIPELINE UPSIZING ON RIDDER ROAD AND PETERS ROAD AND ST-7: BOECKMAN CREEK AT BOECKMAN ROAD STORMWATER STUDY.**

WHEREAS, the 2013 Transportation Systems Plan (TSP, amended in 2019) includes Project UU-08 Garden Acres Road Urban Upgrade to upgrade Garden Acres Road to a three-lane collector with bicycle lanes and Project UU-01 Boeckman Road Dip Improvements to upgrade the vertical curve to include three lanes, bicycle lanes, and sidewalks; and

WHEREAS, the Coffee Creek Urban Renewal Plan (2016) includes the Garden Acres Road Project; and

WHEREAS, Council authorized the design of the first phase of the Garden Acres Road Project in 2017 and the preliminary design of the Boeckman Road Dip Project in 2014 and alternatives analysis in 2019; and

WHEREAS, Council authorized the construction of the first phase of the Garden Acres Road Project in 2019; and

WHEREAS, new roadway design and construction typically includes stormwater system improvements, especially in the case where needed to serve future development; and

WHEREAS, the 2012 Stormwater Master Plan did not foresee a stormwater pipeline expansion in this location for the Garden Acre Project because the planning for the upgraded road had not reached sufficient detail at that time; and

WHEREAS, the 2012 Stormwater Master Plan did foresee a need for the stormwater analysis in this location for the Boeckman Road Dip Project, however the project was removed from the funded list during the System Development Charge (SDC) rate increase process; and

WHEREAS, the stormwater pipeline and the stormwater analysis need to be added to the Master Plan project list so that the projects can be programmed into the City's capital improvement program; and

WHEREAS, inclusion on the Master Plan project list allows the projects to be eligible for Stormwater System Development Charges (SDCs) funding, and SDC funding for these projects is appropriate because the stormwater pipeline is required to serve future development within the Coffee Creek Industrial Area and the Boeckman Road Dip improvements are required to serve future development within the Frog Pond area and improve the sight distance and steep slope due to the vertical curve that does not meet current design criteria; and

WHEREAS, adding the Garden Acres stormwater pipeline project at this time is important because construction is underway for the first phase of Project UU-08 and including the stormwater pipeline is practical and will result in overall cost efficiencies and fewer long-term construction impacts; and

WHEREAS, adding the Boeckman Dip stormwater study at this time is important because project design is forthcoming for Project UU-01 and the road project requires a better understanding of how the creek and surrounding areas might be affected by potential flow modifications; and

WHEREAS, both projects are needed to serve future development in the Coffee Creek Planning Area (Garden Acres) and the Frog Pond area (Boeckman Dip); and

WHEREAS, Replacement Table 9-2 is attached hereto as Exhibit A and is incorporated herein to replace Table 9-2 in the 2012 Stormwater Master Plan.

NOW, THEREFORE, THE CITY OF WILSONVILLE RESOLVES AS FOLLOWS:

1. To replace Table 9.2 in the 2012 Stormwater Master Plan with Exhibit A, attached hereto, which Exhibit A:
  - a. Amends Table 9.2 – Prioritized CIP Projects of the 2012 Stormwater Master Plan to add Project SD-2163-2167 & 2437-2446: Pipeline expansion on Ridder Rd/Peters Rd with a total estimated cost of \$2,600,000, 100% apportioned to growth, and an additional annual O&M of \$1,500.

- b. Amends Table 9.2 – Prioritized CIP Projects of the 2012 Stormwater Master Plan to add Project ST-7: Boeckman Creek at Boeckman Road Stormwater Study with a total estimated cost of \$90,800, 100% apportioned to growth.
2. The findings presented in this Resolution supporting the replacement of Table 9-2 are hereby adopted.
3. This Resolution becomes effective upon adoption.

ADOPTED by the Wilsonville City Council at a regular meeting thereof this 6th day of April, 2020, and filed with the Wilsonville City Recorder this date.

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Tim Knapp, Mayor

ATTEST:

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Kimberly Veliz, City Recorder

SUMMARY OF VOTES:

Mayor Knapp  
Council President Akervall  
Councilor Lehan  
Councilor West  
Councilor Linville

EXHIBIT:

- A. 2012 Stormwater Master Plan - Replacement Table 9.2 – Prioritized CIP Projects



# EXHIBIT A

**Table 9-2  
Prioritized CIP Projects**

Project ID	Location	Land Acquisition Required? (Yes or No)	Total Cost Estimate <sup>1</sup>	Annual Maintenance Cost Estimate
<b>Short-Term Projects – Implementation in 0 to 5 Years</b>				
SD-2163-2167 & 2437-2446	Pipeline upsizing on Ridder Road and Peters Road	No	\$ 2,600,000	\$ 1,500
ST-7	Boeckman Creek at Boeckman Road stormwater study	No	\$ 90,800	N/A
WD-3	Rivergreen Repair Project	No	\$ 285,000	\$ 2,200
BC-7	Boeckman Creek Realignment	No	\$ 577,296	\$ 2,200
ST-5	Low Impact Development Design Standards and Implementation Guide	No	\$ 57,000	N/A
ST-8	Install Two Permanent Stormwater Flow Monitoring Stations and Two Rain Gauges	No	\$ 45,486	N/A
ST-9	Purchase InfoSWMM Model	No	\$ 18,240	N/A
ST-6	Charbonneau Infrastructure Replacement Study	No	\$ 142,500	N/A
BC-4	Gesellschaft Water Well Channel Restoration	No	\$ 135,774	\$ 1,800
LID1	Memorial Park Parking Lot Vegetated Swales (3)	No	\$ 203,148	\$ 6,500
BC-8	Canyon Creek Estates Pipe Removal	No	\$ 129,504	\$ 1,500
SD4208 & SD4209	Barber Street Pipe Replacement	No	\$ 213,196	\$ 1,200
LID3	SW Camelot Green Street Mid-Block Curb Extensions (2 extensions)	No	\$ 58,482	\$ 5,300
CLC-3	Commerce Circle Channel Restoration	No	\$ 564,071	\$ 5,700
ST-1	Study to analyze area north of Elligsen Rd/East of I-5	No	\$ 57,000	N/A
FP	Future Project Development and Implementation	No	\$ 285,000	N/A
<b>Short-Term Projects</b>	<b>Subtotal</b>	-	<b>\$ 2,771,697</b>	<b>\$ 26,400</b>

Mid-Term Projects – Implementation 5 to 10 Years				
BC-2	Boeckman Creek Outfall Rehabilitation	Maybe	\$ 167,580	\$ 1,500
BC-6	Multiple Detention Pipe Installation	No	\$ 1,366,948	\$ 1,100
BC-5	Boeckman Creek Outfall Realignment	No	\$ 38,441	\$ 1,300
BC-3	Cascade Loop Detention Pipe Installation	No	\$ 810,109	\$ 1,100
BC-10	Memorial Park Stream and Wetland Enhancement	No	\$ 84,360	\$ 2,900
BC-9	Memorial Drive Pathway and Storm Drain Repair	No	\$ 111,720	N/A
LID3	SW Camelot Green Street Mid-Block Curb Extensions (18 extensions)	No	\$ 526,338	\$ 47,700
LID7	SW Wilsonville Road Stormwater Planters	No	\$ 362,794	\$ 6,700
CLC-2	SW Parkway Avenue Stream Restoration	Yes	\$ 279,420	\$ 4,900
CLC-9	Jobsey Lane Culvert Replacement	No	\$ 115,028	\$ 2,200
SD5707, 5709, 5714, 5719	SW Parkway Pipes Replacement	No	\$ 497,405	\$ 2,200
ST-2	Advance Road School Site Study	No	\$ 57,000	N/A
CLC-1	Detention/Wetland Facility near Tributary to Basalt Creek	Yes	\$ 3,516,900	\$ 4,900
SD9038; 9045; 9046; 9054- 9058	French Prairie Road in NW Charbonneau Pipe Replacement	No	\$ 867,417	\$ 1,500
SD9052; 9053; 9059; 9061- 9069	Curry Drive and French Prairie Road in NW Charbonneau Pipe Replacement	No	\$ 1,043,501	\$ 2,100
FP	Future Project Development and Implementation	No	\$ 285,000	N/A
<b>Mid-Term Projects</b>	<b>Subtotal</b>	-	\$ 10,129,961	\$ 80,100

Long-Term Projects – Implementation in 10 to 20 Years				
ST-4	Master Plan and Model Update	No	\$ 342,000	NA
ST-3	Survey of Open Channel Conveyance	No	\$ 57,000	NA
BC-1	Wiedeman Road Regional Stormwater Detention/ Stream Enhancement	Yes	\$ 5,446,350	\$ 4,900
CLC-4	Ridder Road Wetland Restoration	Yes	\$ 283,778	\$ 2,900
LID2	SW Hillman Green Street Stormwater Curb Extensions	No	\$ 236,938	\$ 4,000
CLC-5	Coffee Lake Creek Stream and Riparian Enhancement	Yes	\$ 339,844	\$ 2,900
CLC-6	Coffee Lake Creek South Tributary Wetland Enlargement	Yes	\$ 490,286	\$ 2,900
CLC-7	Coffee Lake Creek South Tributary Stream Restoration	Yes	\$ 496,114	\$ 2,900
SD4021 & SD4022	Boberg Road Culvert Replacement	No	\$ 65,393	\$ 2,200
CLC-8	Coffee Lake Creek Restoration	Yes	\$ 486,877	\$ 4,300
ST-7	Boeckman Creek at Boeckman Road Stormwater Study	No	\$ 57,000	NA
SD4025 - SD4028	Boberg Road Pipe Replacement	No	\$ 733,590	\$ 2,200
BC-6	Multiple Detention Pipe Installation – Bridge Creek Apartments	No	\$ 1,052,432	\$ 1,100
<b>Long-Term Projects</b>	<b>Subtotal</b>	-	\$ 10,087,602	\$ 30,300

Unfunded Projects				
SD9000-9012	Miley Road in S Charbonneau Pipe Replacement	No	\$ 3,198,175	\$ 3,900
SD9013-9021; 9060	French Prairie Road in NE Charbonneau Pipe Replacement	No	\$ 1,680,563	\$ 2,800
SD9022-9029	Old Farm Road in NE Charbonneau Pipe Replacement	No	\$ 1,015,021	\$ 1,600
SD9030-9037	Edgewater Drive E and French Prairie Road in NE Charbonneau Pipe Replacement	No	\$ 996,254	\$ 1,700
SD9039; 9044; 9047; 9051	Boones Bend Road in NW Charbonneau Pipe Replacement	No	\$ 855,395	\$ 1,600
LID4	SW Costa Circle Vegetated Swale and Stormwater Curb Extension	No	\$ 70,817	\$ 6,300
LID5	Wood Middle School Parking Lot Green Street	No	\$ 203,148	NA
LID6	Boones Ferry Primary School Parking Lot Green Gutters and Pervious Paving	No	\$ 130,945	NA
WD-1	Montgomery Way Culvert Replacement	No	\$ 44,354	\$ 600
WD-2	Rose Lane Culvert Replacement	No	\$ 51,254	\$ 1,100
<b>Unfunded Projects</b>	<b>Subtotal</b>	-	\$ 8,245,926	\$ 19,600
<b>All CIP Projects</b>	<b>Total CIPs</b>	-	\$ 31,235,186	\$ 156,400

# Stormwater Master Plan Project List Amendment

Resolution No. 2804

*April 6, 2020*



**WILSONVILLE**  
OREGON



# Add Two Projects

- SD-2163-2167 & 2437-2446: Pipeline Upsizing Ridder Road and Peters Road (Coffee Creek Industrial Area)
- ST-7: Boeckman Creek at Boeckman Road Stormwater Study (Boeckman Dip Project)





# Why do we need to add projects?

- Projects on the list are eligible for Stormwater SDC funding
- Both projects identified as priorities

# Pipeline Upsizing on Ridder Road and Peters Road

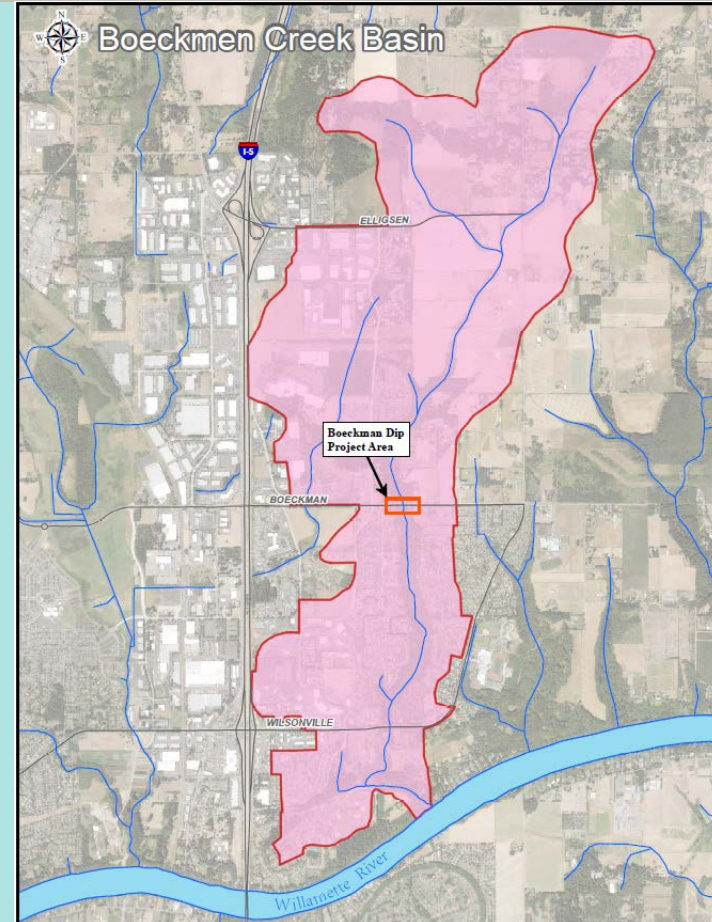
- Serves Coffee Creek Industrial Area build out
- Portion constructed with CIP 4201, Garden Acres – Ridder to Day (\$831,200)
- Remainder with future phase (\$1,770,000)





# Boeckman Creek at Boeckman Road Stormwater Study

- Currently in master plan, not on SDC list
- Needed for Boeckman Dip project
- Modifications to current stormwater system may affect detention system
- Assess existing conditions and road realignment options, then identify alternatives for flow and slope stability (\$90,800)





# Questions?

Thank you for your time!