



TUALATIN VALLEY
WATER DISTRICT

Board Work Session Minutes

October 3, 2023

WORK SESSION – 6:00 PM

CALL TO ORDER

Commissioners Present: Jim Doane, PE; Jim Duggan, PE; Carl Fisher, Elliot Lisac, Todd Sanders, PhD

Staff Present: Clark Balfour, General Counsel; Paul Matthews, Interim Chief Executive Officer; Justin Carlton, Interim Chief Finance Director; Dave Kraska, PE, Water Supply Program Director; Andrew Carlstrom, Customer Service Manager; Justin Dyke, Interim Communications and Public Affairs Supervisor; Kylie Bayer, Human Resources Director; and Sam Kaufmann, District Recorder.

ANNOUNCEMENTS

Paul Matthews presented the CEO announcements.

DISCUSSION ITEMS

- A. Willamette Water Supply System Commission Update. *Staff Report – David Kraska, P.E. Willamette Water Supply Program Director*

David Kraska presented his update on the Willamette Water Supply Commission.

Commissioner Doane asked that staff develop a contingency plan if the water supply program does not go online in 2026. Mr. Matthews replied that TVWD will continue to supply safe, reliable water. Mr. Kraska added his team is committed to meeting the 2026 deadline.

- B. Supplemental Budget for the 2023-25 Biennium. *Staff Report – Justin Carlton, Interim Chief Financial Officer*

Justin Carlton presented his staff report on the proposed supplemental budget.

- C. System Development Charges for Affordable Housing. *Staff Report – Clark Balfour, General Counsel*

Clark Balfour presented his staff report on System Development Charges for affordable housing.

Commissioner Lisac asked staff to reach out to regional partners for their opinions on System Development Charges.

ADJOURNMENT

There being no further business, President Sanders adjourned the meeting at 6:45 p.m.

Todd Sanders, President

Jim Doane, Secretary





1

CAMP CREEK FIRE UPDATE

As of Friday, September 29, the Camp Creek fire has burned approximately 2,055 acres and is 62% contained.

Fire risks to Portland Water Bureau's (PWB) headworks treatment facility are now considered low. Therefore, PWB is refocusing its contingency planning towards preparation for a potential future extended turbidity event. Water quality is closely monitored, and the water continues to be safe to drink.



2

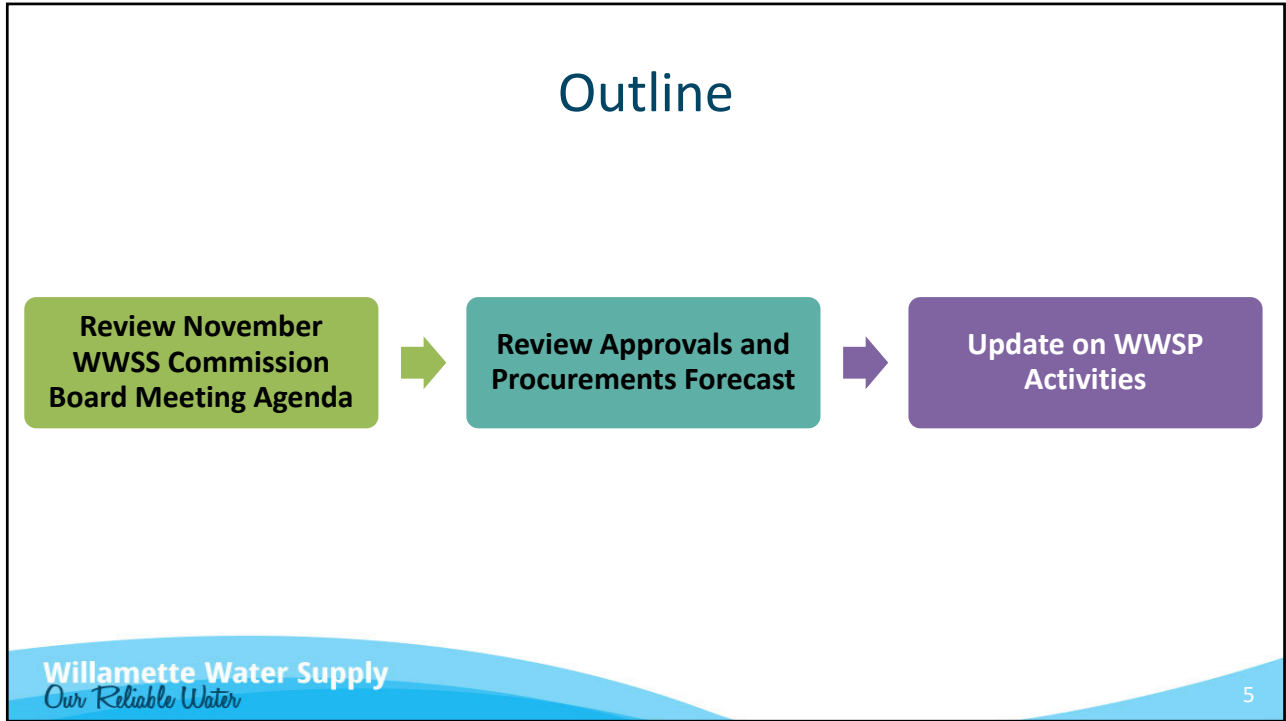
BOARD COMMUNICATIONS LOG

There were two updates to the Board Communications Log this month. Notes from the September 18th and August 28th Water Supply Committee meetings were transmitted to Commissioners.

Willamette Water Supply
Our Reliable Water

**Willamette Water Supply System Commission
Update**

**TVWD Board Work Session
October 3, 2023**



5

REVIEW NOVEMBER WWSS COMMISSION BOARD MEETING AGENDA

Willamette Water Supply
Our Reliable Water

6

6

Willamette Water Supply System Commission November 2, 2023 Board Meeting Agenda

1. General Manager's Report
2. Public Comment
3. Consent Agenda
 - A. Approve the August 3, 2023 meeting minutes
4. Business Agenda
 - A. Approve Water Supply Integration Communications Plan, Toolkit, and Engagement Support
5. Information Items
 - A. Water Treatment Plant Schedule Update
 - B. Planned December Business Agenda items
 - C. The next Regular Board Meeting scheduled on December 7, 2023

REVIEW APPROVALS AND PROCUREMENTS FORECAST

Approvals and Procurement Forecast for August 2023 – February 2024 Program Baseline or Related Plans

Description	Program Director	WWSS Management Committee	WWSS Commission Board
WWSP 2024 Rebaseline Schedule and Budget and WWSS Fiscal Year 2024-2025 Work Plan and Budget	N/A	1/18/2024	2/2/2024

Approvals and Procurement Forecast for August 2023 – February 2024 Real Estate

Description	Program Director	WWSS Management Committee	WWSS Commission Board
None	--	--	--

Approvals and Procurement Forecast for August 2023 – February 2024 IGAs, MOUs, Permit Commitments

City of Sherwood

- *WTP_1.0 Financial Security Assurance for Sherwood Public Improvements (August)*

Washington County

- *PLM_4.2 Construction IGA Amendment (October)*

City of Tigard

- *PLM_4.3 Temporary Commissioning Discharge Facility IGA (February)*

Approvals and Procurement Forecast for August 2023 – February 2024 Contracts

Title	Goal	Value	Key Dates
Water Supply Integration Communication Plan, Toolkit, and Engagement Support	Provide communications planning, materials, and public engagement support for Water Supply Integration	TBD	WWSS Board Approval: 11/2/2023

Approvals and Procurement Forecast for August 2023 – February 2024 Contract Amendments and Change Orders*

Title	Goal	Value	Key Dates
Communications and Outreach Service Contract Amendment	Provide continuing public outreach during the term August 1, 2023 through June 30, 2024	\$531k	WWSS Board Approval: 8/3/2023
WTP_1.0 GMP2 for Construction	Construct GMP2 scope that covers landscaping, asphalt, curbs, sidewalks, striping, signage, fencing, and finished water system commissioning	\$15 - \$20M	WWSS Board Approval: 12/7/2023

*having values higher than the Program Director’s authority

Approvals and Procurement Forecast for August 2023 – February 2024 Local Contract Review Board Rule Exemption

Title	WWSS Management Committee Approval	WWSS Board Informational Item	WWSS Board Consider Approval
None	--	--	--

WWSP Schedule Recovery Progress Update
WWSP Construction Updates

UPDATE ON WWSP ACTIVITIES

Willamette Water Supply
Our Reliable Water

15

15

WWSP SCHEDULE RECOVERY PROGRESS UPDATE

Willamette Water Supply
Our Reliable Water

16

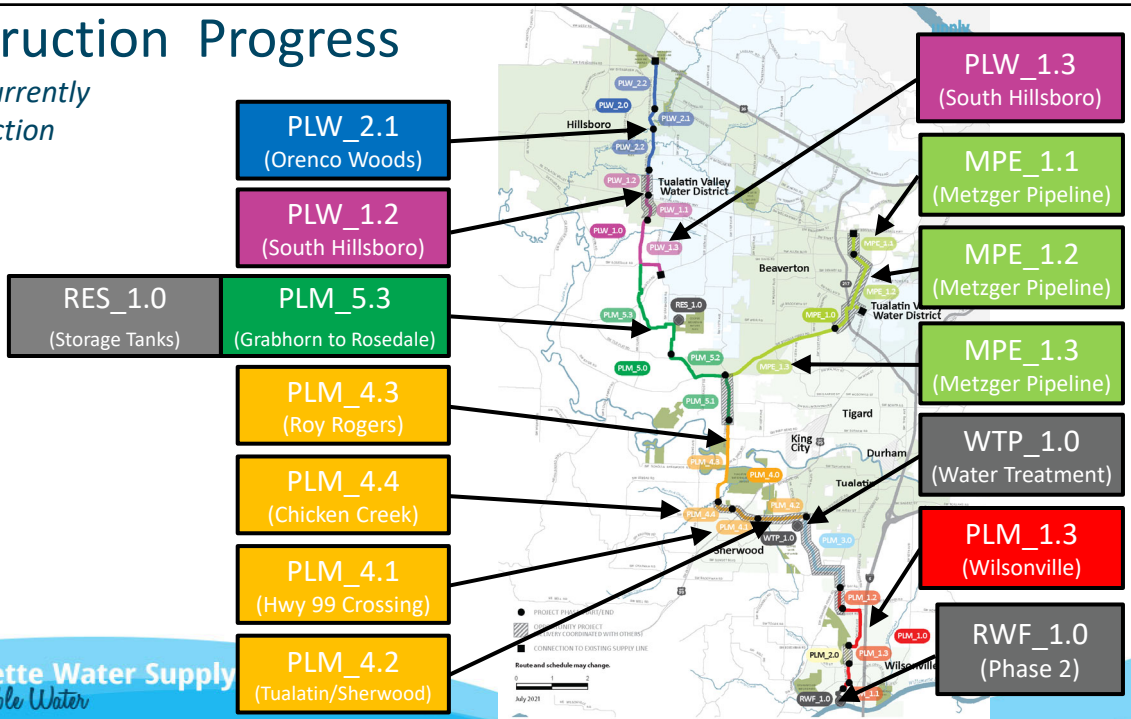
16

WWSP CONSTRUCTION UPDATES

21

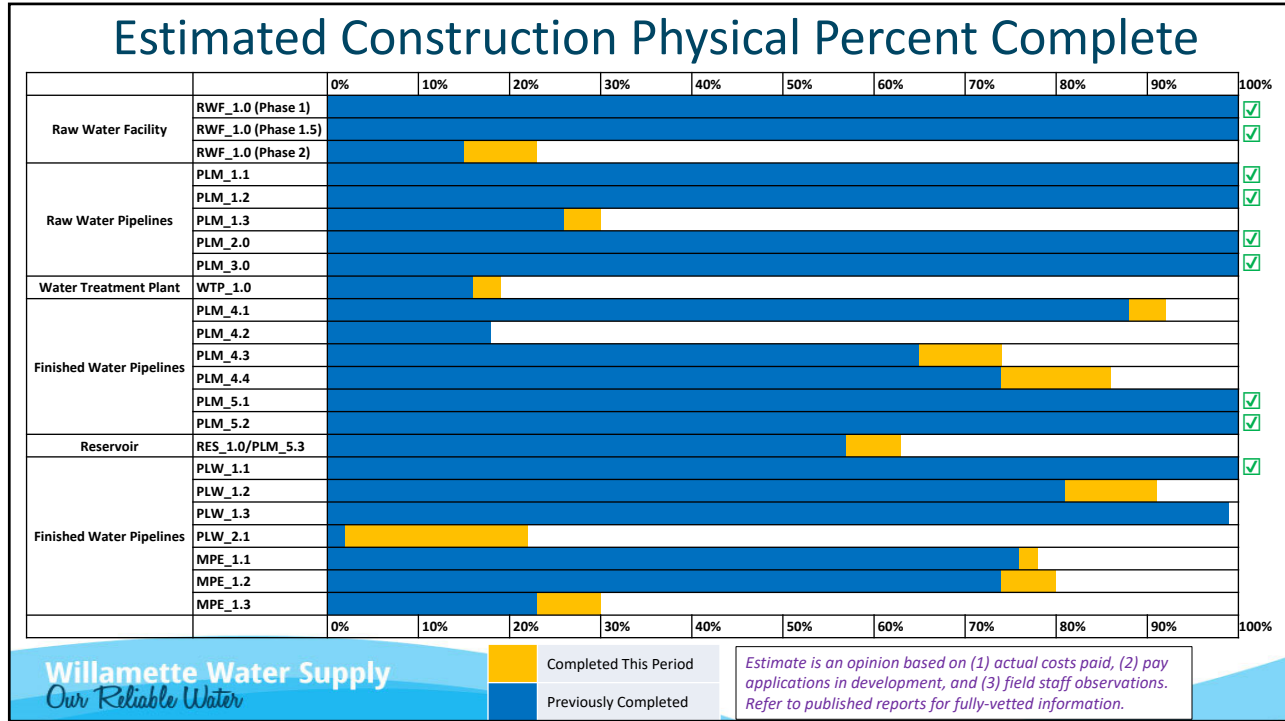
Construction Progress

Projects currently
in construction



22

11



23

RWF_GMP-2.0

Contractor: Kiewit Infrastructure West Co.
Designer: Black & Veatch

Current and Planned Activities:

- Installing brick veneer at Electrical Bldg.
- Roof trusses at Electrical Bldg.
- Architectural system framing (doors, windows, louvers, etc.) at Electrical Bldg.
- Upper site perimeter wall
- Electrical duct banks and site lighting

24

24

Construction Photos – RWF_GMP-2.0



25

Construction Photos – RWF_GMP-2.0

Upper Site:
Electrical
Building brick
vener



Willamette
Our Reliable U

26

13

Construction Photos – RWF_GMP-2.0

Upper Site electrical conduits / duct banks



Willamette Water Supply
Our Reliable Water

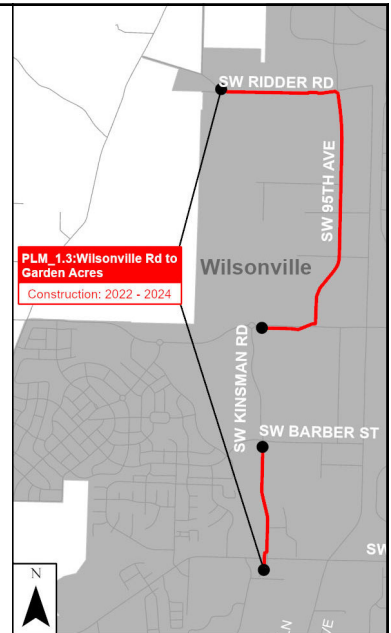
27

PLM_1.3

Contractor: Moore Excavation Inc.
Designer: HDR

Current and Planned Activities:

- Restoration and appurtenances on 95th Ave.
- Began 66" open cut waterline on Kinsman Rd.
- Approximately 5,100 LF (42%) of 66" waterline installed



Willamette Water Supply
Our Reliable Water

28

28

14

Construction Photos - PLM_1.3

66-inch waterline installation on Kinsman Rd.



Willamette Water Supply
Our Reliable Water

29

Construction Photos - PLM_1.3

Temporary pavement restoration on Kinsman Rd.



Willamette Water Supply
Our Reliable Water

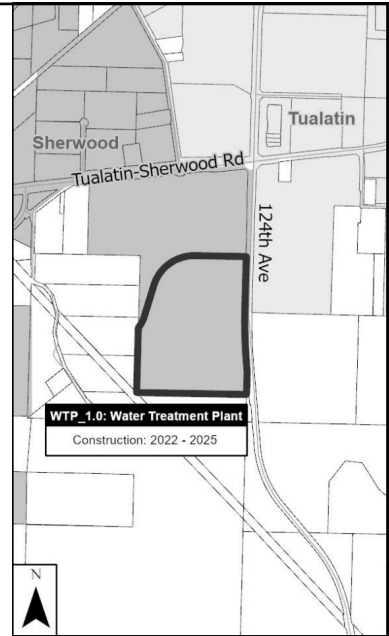
30

WTP_1.0

Contractor: Sundt Construction, Inc.
Designer: CDM Smith

Current and Planned Activities:

- PGE completed temporary power feed (discontinued generators for site power)
- Continued yard piping and concrete pipe encasements
- Began sumps and underslab conduits at Area 22 (Ballasted Flocc)
- Completed walls and began elevated decks at Area 30 (UV building).
- Completed concrete slab and began wall construction at Area 35 (Clearwell)
- Continued wall and slab concrete at Area 37 (EQ Basin)
- Continued wall and elevated slab concrete placements at Area 53 (Finished Water Pump Station).



Construction Photos - WTP_1.0

8/1/23



Construction Photos - WTP_1.0

9/25/23



33

Construction Photos - WTP_1.0

Area 35 Clearwell wall
concrete placement



Willamette Water Supply
Our Reliable Water

34

17

Construction Photos - WTP_1.0

84" Overflow pipe to Equalization basin



Willamette Water Supply
Our Reliable Water

35

Construction Photos - WTP_1.0

Electrical conduit duct bank encasements



Willamette Water Supply
Our Reliable Water

36

Construction Photos - WTP_1.0

Equalization basin wall construction



Willamette Water
Our Reliable Water

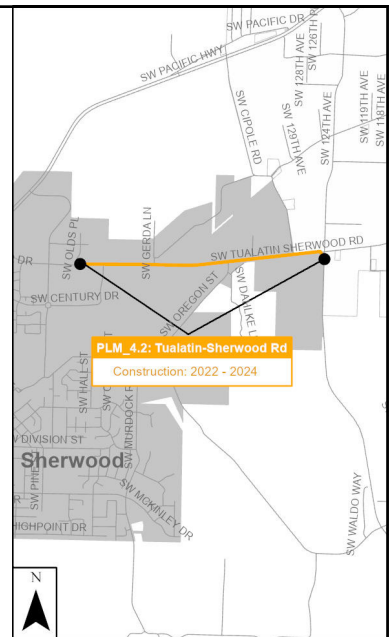
37

PLM_4.2

Partner: Washington County
Contractor: Kerr/Emery JV
Designer: Brown & Caldwell

Current and Planned Activities:

- Implemented traffic control for trenchless installation on SW 124th Ave.
- Began temporary relocation of 12" waterline at trenchless launch shaft.
- Traffic signals and light poles for County scope



Willamette Water Supply
Our Reliable Water

38

38

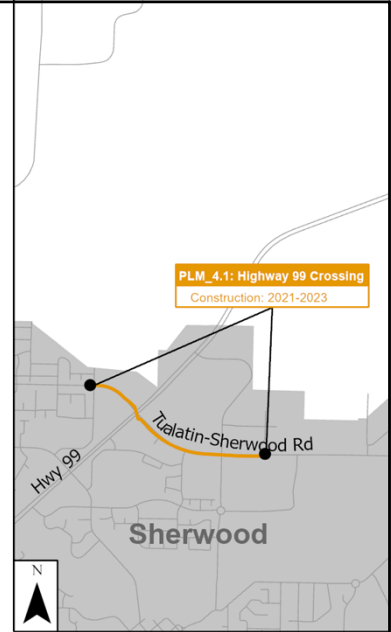
19

PLM_4.1

Partner: Washington County
Contractor: Moore Excavation Inc.
Designer: Brown & Caldwell

Current and Planned Activities:

- Appurtenance piping and vaults
- Cathodic protection system installation
- Continue road widening along the south side of Tualatin-Sherwood Rd.



39

Construction Photos – PLM_4.1

Setting precast concrete access vault.



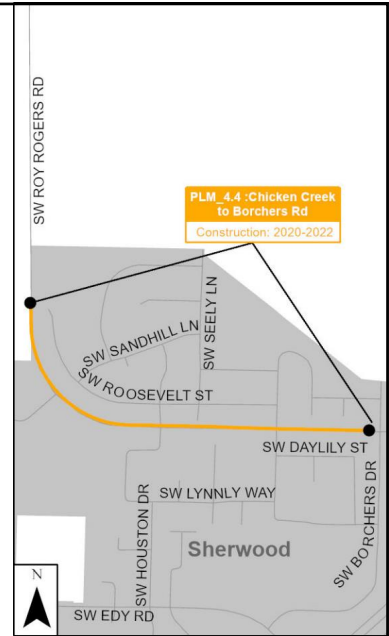
40

PLM_4.4

Partner: Washington County
 Contractor: Tapani Inc.
 Designer: Brown & Caldwell

Current and Planned Activities:

- Completed testing and disinfection for 66-inch waterline
- Surface appurtenance features to be completed

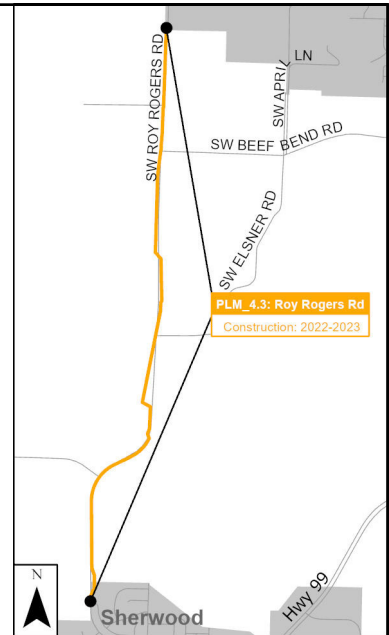


PLM_4.3

Contractor: Tapani Inc.
 Designer: Brown & Caldwell

Current and Planned Activities:

- Chicken Creek Crossing – completed microtunnel and installation of 66-inch carrier pipe
- Completed open cut crossing of Roy Rogers Rd. during weekend road closure
- Installing 66-inch waterline on east side of Roy Rogers Rd. Approximately 10,100 LF of pipe installed (76% of total)
- Constructing soldier pile and lagging wall with tie-backs at Tributary #4



Construction Photos – PLM_4.3

Installation of retaining wall at Tributary #4



Willamette Water
Our Reliable Water

43

Construction Photos – PLM_4.3

Open cut waterline construction on east side of Roy Rogers Rd.



Willamette Water Supply
Our Reliable Water

44

22

Construction Photos – PLM_4.3

Installation of
66-inch carrier
pipe in Chicken
Creek tunnel



Willamette Water
Our Reliable Water

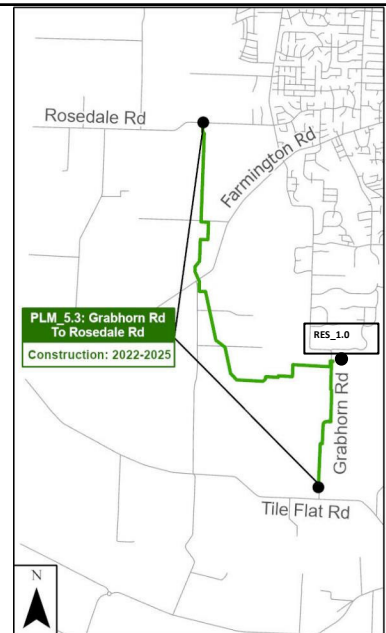
45

RES_1.0 / PLM_5.3

Contractor: Hoffman-Fowler JV
Designer: Black & Veatch / Jacobs

Current and Planned Activities:

- RES_1.0
 - Reservoir walls more than 50% complete
 - Constructing concrete columns (more than 30% complete)
 - Began falsework installation for reservoir roof concrete placements
 - Began metal platforms and grating in valve vaults
 - Continued electrical duct bank and yard piping installation
 - Began Water Quality Building concrete footings
- PLM_5.3
 - Continued installation of 66" waterline – approximately 19,700 LF (98%) installed.
 - Continued restoration above pipeline in multiple locations including landscaping in creek and wetland crossings
 - Completed waterline installation across Farmington Gardens easement



Willamette Water Supply
Our Reliable Water

46

46

23

Construction Photos – RES_1.0



47

Construction Photos – RES_1.0

Reservoir inlet pipe
(protection of
cement mortar
coating)



Willamette Water Supply
Our Reliable Water

48

24

Construction Photos – PLM_5.3

66" waterline installation along Grabhorn Road



Willamette Water Supply
Our Reliable Water

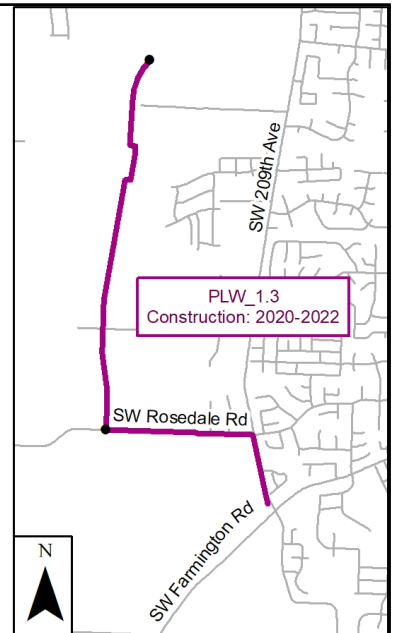
49

PLW_1.3

Contractor: Tapani, Inc.
Designer: Kennedy/Jenks

Current and Planned Activities:

- Punchlist – fiber conduit rework at Butternut Creek
- Add power to Butternut Creek turnout site
- Closeout



Willamette Water Supply
Our Reliable Water

50

50

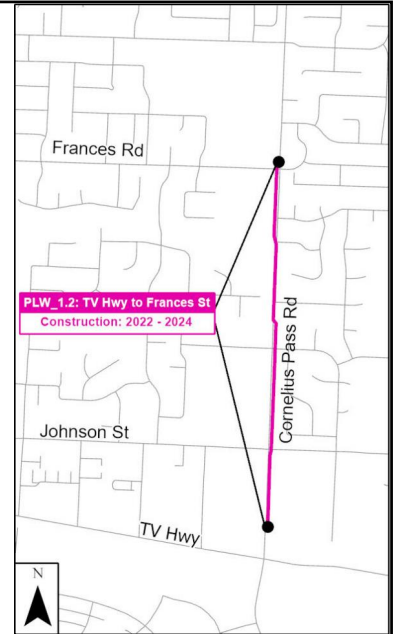
25

PLW_1.2

Partner: Washington County
Contractor: Tapani, Inc.
Designer: Kennedy/Jenks

Current and Planned Activities:

- Continuing Frances St. turnout vault and piping installation
- Completed pressure test and disinfection of 18" waterline on Frances St.
- Paving and striping completed on Cornelius Pass Rd.



51

Construction Photos – PLW_1.2

Frances Street turnout vault and piping construction



52

Construction Photos – PLW_1.2

Flowmeter and pipe supports
inside Frances St. turnout
vault



Willamette Water Supply
Our Reliable Water

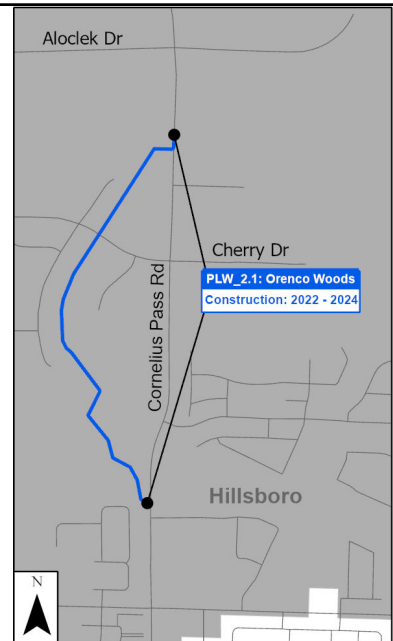
53

PLW_2.1

Contractor: Moore Excavation, Inc.
Designer: Kennedy/Jenks

Current and Planned Activities:

- Completed trenchless crossing below TriMet Light Rail
- Began 48-inch waterline installation within Orenco Woods Nature Park
- Completed waterline across Rock Creek and continuing to backfill within Ordinary High Water limits
- Began tree and brush clearing in remainder of alignment (berm alignment)



Willamette Water Supply
Our Reliable Water

54

54

27

Construction Photos – PLW_2.1

Waterline installation on south side of Rock Creek



55

Construction Photos – PLW_2.1

Rock Creek crossing and work in Orenco Woods Nature Park



56

Construction Photos – PLW_2.1

Tree and brush clearing completed along “berm” alignment



Willamette Water
Our Reliable Water

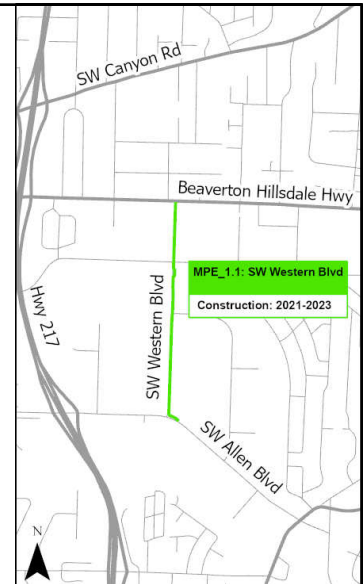
57

MPE_1.1

Partner: City of Beaverton
Contractor: Moore Excavation Inc.
Designer: Brown & Caldwell

Current and Planned Activities:

- Landscaping for Schedule A (Beaverton road work)
- Planning for Washington County Supply Line tie-in to take place in Winter 2023/24
- WWSP punch list and closeout for Western Ave. section of project



Willamette Water Supply
Our Reliable Water

58

58

29

MPE_1.2

Contractor: Emery & Sons
 Designer: Brown & Caldwell

Current and Planned Activities:

- Continued 48-inch waterline and appurtenances on Allen Blvd. (91% complete to date)
- Continued PFC building roof architectural features
- Completed pavement restoration between Nimbus Ave and Denney Rd.
- Completed 24" and 16" waterlines on Hall Blvd.
- Partial pressure testing completed on 48-inch waterline



Construction Photos – MPE_1.2

TVWD
 Pressure and
 Flow Control
 (PFC) Facility



Construction Photos – MPE_1.2

Pavement restoration on Scholls Ferry Rd.



Willamette Water Supply
Our Reliable Water

2023/09/11 23:17

61

Construction Photos – MPE_1.2

48-inch waterline installation on Allen Blvd.



Willamette Water Supply
Our Reliable Water

2023/09/18 11:16

62

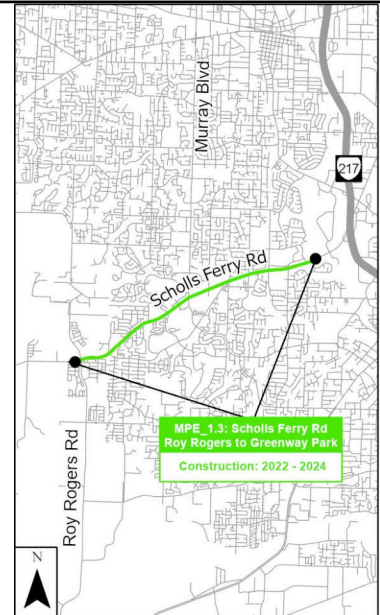
31

MPE_1.3

Contractor: Emery & Sons
Designer: Brown & Caldwell

Current and Planned Activities:

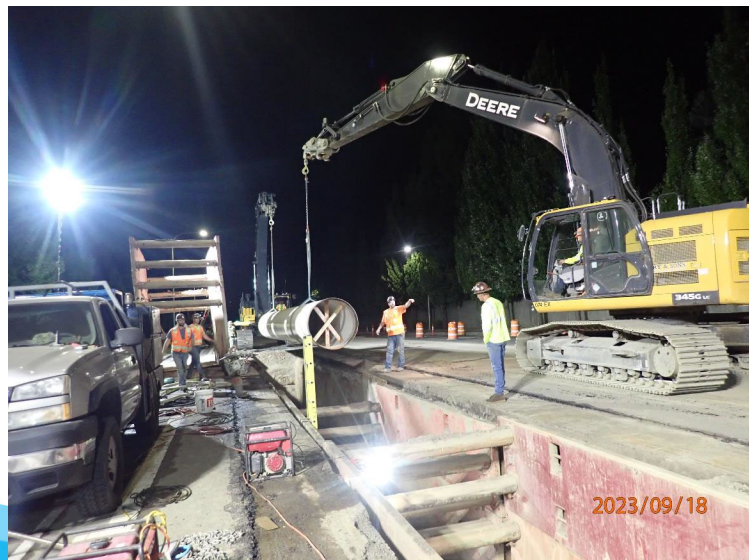
- 48" waterline installation on Scholls Ferry Rd. headed west near 130th Ave (night work, 29% complete to date)
- Pavement restoration continuous with waterline installation



63

Construction Photos – MPE_1.3

48" waterline installation on Scholls Ferry Rd. near 130th Ave. intersection



64

Construction Photos – MPE_1.3

Trench pavement restoration near 130th Ave.



Willamette Water Supply
Our Reliable Water

65

QUESTIONS?

Willamette Water Supply
Our Reliable Water

66

66

33



Proposed Supplemental Budget

Staff Report

Board Work Session

October 3, 2023



67

OVERVIEW

- Supplemental budget process
- Why a supplemental budget
- Flow of funds
- Budget impacts



68

34

SUPPLEMENTAL BUDGET PROCESS

Legal Requirements

- Governed by Oregon Local Budget Law in ORS 294.305 to 294.565
- Requires balanced budget: Resources and requirements must balance
- If changes for a fund's expenditures exceed 10% and/or a new appropriation category is created, a public hearing required
- Requires specific public notifications

TVWD'S RECENT DEBT HISTORY

June 2015 – Series 2005 Bonds called

June 2022 – First draw on the WIFIA loan

May 2023 – Series 2023 Bonds issued

CAPITAL FUNDING SOURCES

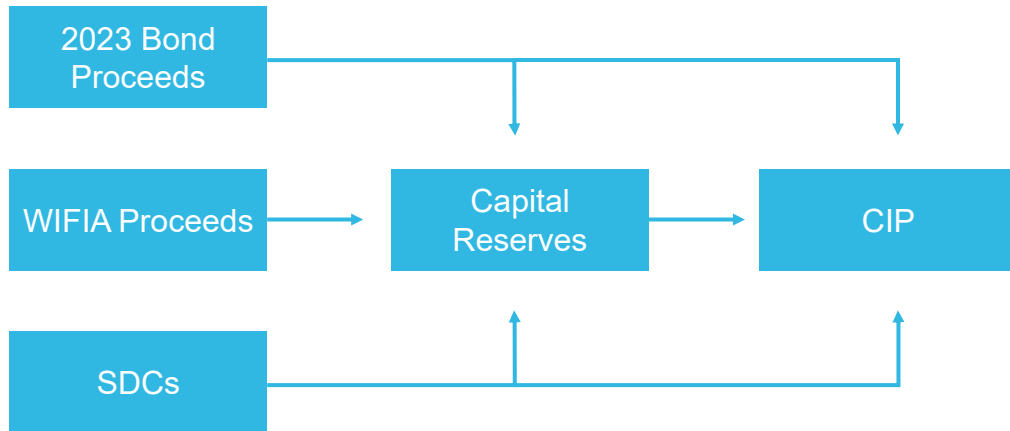
	<u>WIFIA</u>	<u>2023 Bonds</u>	<u>Capital Reserves</u>	<u>SDCs¹</u>
WWSS	✓	✓	✓	✓
MPE	✓	✓	✓	✓
WIF	✓	✓	✓	✓
JWC CIP		✓	✓	✓
Barney CIP		✓	✓	✓
In-District CIP		✓	✓	✓

1) Certain restrictions apply for SDC improvement fees related to growth projects

CURRENT FLOW OF FUNDS



PROPOSED FLOW OF FUNDS



BUDGET IMPACTS

- 2 new funds (2023 Bond Proceeds and SDCs)
- Rename Debt Proceeds Fund to WIFIA Proceeds
- Existing transfer appropriations in the Debt Proceeds Fund will be moved to the new funds based on the proportional balance of the funding source
- The proposed changes do not increase expenditures
- Additional changes may be needed in the future

NEXT STEPS

1. Public notice published with summary of changes
2. Public hearing during the November 15th regular board meeting
3. Board adopts a resolution establishing the new funds and revising the appropriations



Questions and Answers



System Development Charges for Affordable Housing

Staff Report

Board Work Session

October 3, 2023

