



Public Works Department

117 N Molalla Avenue

PO Box 248

Molalla, Oregon 97038

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December 09, 2020

TO: Dan Huff, City Manager

FROM: Gerald Fisher, Public Works Director

CC: Christie DeSantis, City Recorder

RE: Project Update for Public Works

The following is a list of public and private projects currently underway or in process.

Administrative Projects Underway

1. Staff is working on the last 3 home construction permits for Twin Meadows, pre-application projects for new developments, and other improvements to the department.
2. Municipal Code Update – Staff continuing to work on rewrite of MMC chapters related to Public Works as time allows.
3. ODOT ADA Ramp Replacements – Staff received revised plans from ODOT and submitted comments back to them. Anticipate construction to begin sometime in 2021.
4. ODOT Crosswalk Locations – IGA is in place and staff will work on improving the crosswalks as time and weather permits. This project is closed.

Public Capital Projects Underway

5. 17-04 OR 211 Bike & Ped Pathway – Construction contracts executed between contractor and ODOT. Construction work to begin in early 2021.
6. 17-15 WTP New Trident 2MGD Filtration Plant, Chemical & Telemetry Upgrades – Contractor completed most of the punch list. Closeout of project anticipated by the end of January.
7. 18-04 WWTP Biosolids Removal – Biosolids removal was part of the original WWTP upgrade. Now that project 19-10 has started, biosolids removal will be reported in that project. This project is now closed.
8. 18-08 Hwy 213 & Hwy 211 Safety Improvements – IGA modification in place resulting in lower costs to construct improvements to the intersection of OR 211/Ona Way. City match paid in full and lighting to be installed by February and signage by the end of Spring 2021. Construction schedule subject to design completion by ODOT.
9. 18-08 Hwy 213-Toliver Roundabout – Project currently in design and anticipate construction in Spring of 2023.
10. 18-11 Trout Creek Water Right Transfer – Consultant preparing documentation for transfer.
11. 19-02 Water Master Plan & Water Management & Conservation Plan – Reviewed Water Management and Conservation Plan chapters. Planning Commission hearing tentatively

scheduled for 04/07/21 and City Council hearings tentatively scheduled for 04/28/21. Risk Assessment and Emergency Response Plan update underway.

12. 19-03 City Hall Remodel Ph 3 – Contract awarded and contract documents are in development. Anticipate project completion by the end of January.
13. 19-05 Consent Decree Compliance Reporting – The 4th quarter report was completed on 12/02/20.
14. 19-07 MFR Ped Bridge (P42) – Phase 2 design pathway improvements and fabrication of pedestrian bridge underway. Construction tentatively scheduled to begin in summer of 2021.
15. 19-09 OR 211-Molalla Ave Signal – Developers engineer waiting on ODOT resolution of right of way issue. No update available on start of construction.
16. 19-10 WWTP Upgrade – Wetland delineation and mapping underway. Geotechnical borings for structure locations to be completed by the end of December. Anticipate Pre-Design report to DEQ in fall of 2021 followed by final design, DEQ approval, and bidding through 12/31/2022. Construction anticipated to start in early 2023.
17. 19-11 Molalla Ave Intersection Improvements (5th & Heintz) – Project completed.
18. 19-12 Phase 1 Project 2 Patrol Street Sewer and Water Reconstruction – Contractor completed project correction list. Anticipate project closeout by the end of December.
19. Phase 1 Project 6 Lindsey Addition to Molalla LS Sewer Reconstruction – Construction underway to address I&I at manhole locations. Staff will reassess need for pipe replacement after manhole work is completed.

Public Capital Projects Not Started

20. 18-14 Decant Facility – Project design will begin in FY 20-21 depending on fund availability. This project will provide a dewatering station for street sweeping and vector debris prior to disposal. Project is currently in the planning stage.
21. Phase 1 Project 4 Eckerd Ave Sewer and Water Reconstruction – This project will replace the existing water and sewer lines on Eckerd Avenue, 2nd Street (Lola-Eckerd), and the waterline on 4th Street (Lola-Eckerd). Project scheduled to begin in FY 21-22
22. 20-04 Shops/Elementary School & WWTP Waterline – Project design will begin in FY 20-21 and will replace pre-1950's waterline providing service to the shops facility and elementary school. Waterline to WWTP to preplace undersized line and provide onsite fire protection in advance of the WWTP upgrade.
23. 20-05 Creamery Creek Park – Project design will begin in FY 20-21. New City park is on an 11,011 square foot parcel on Mary Drive next to Creamery Creek.

Private Projects Underway

24. 17-20 Sawyer's Truck Repair – Preparing amendment to development agreement for second phase of project. Second phase includes construction of frontage improvements along Toliver Road.
25. 19-04 Cascade Center – Construction underway. Anticipate onsite improvements and extension of Leroy Avenue to be completed by fall of 2021. Waiting on ODOT approvals of highway improvement and signal project plans. Start date for construction of highway improvements pending ODOT issuance of construction permit.

26. 19-13 Dollar General – 4th plan review completed and waiting on developer to address water quality for connection to ODOT system.
27. 20-01 Colima Apartments – Construction of water improvements underway. Anticipate completion of public improvements in early 2021.

Attached at the end of this memo is an update from Operations. This update covers last month's work by Operations. Thank you and let me know if you have any questions.



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December 7, 2020

TO: Gerald Fisher, Public Works Director
FROM: Andy Peters, Operations Supervisor

RE: Operations Update for City Council

Gerald,

Attached is our Operations update, covering the period November 1st – November 30th, 2020.

Respectfully,

A handwritten signature in black ink, appearing to read "AP", is positioned above the typed name of the sender.

Andy Peters
Operations Supervisor
City of Molalla



Sewer line cleaning and inspections were performed this month. Left, Cody and Shawn set up the vector to hydro jet public mains. Below, Cody inspects the grease trap at a local restaurant.

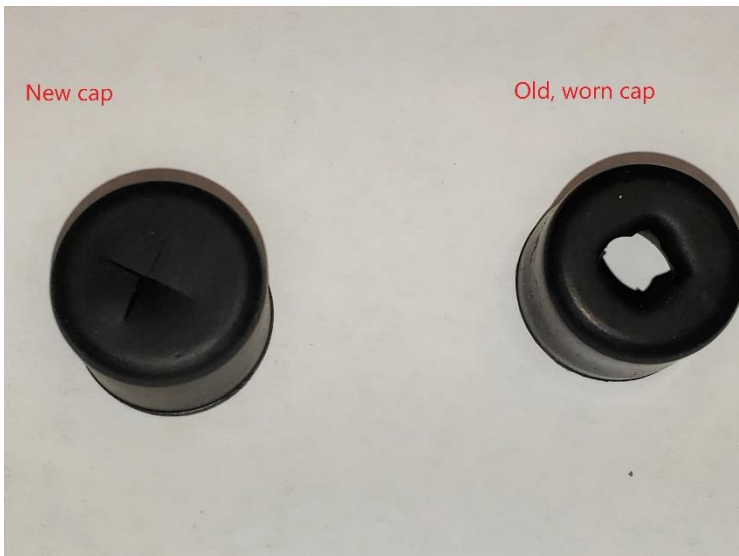
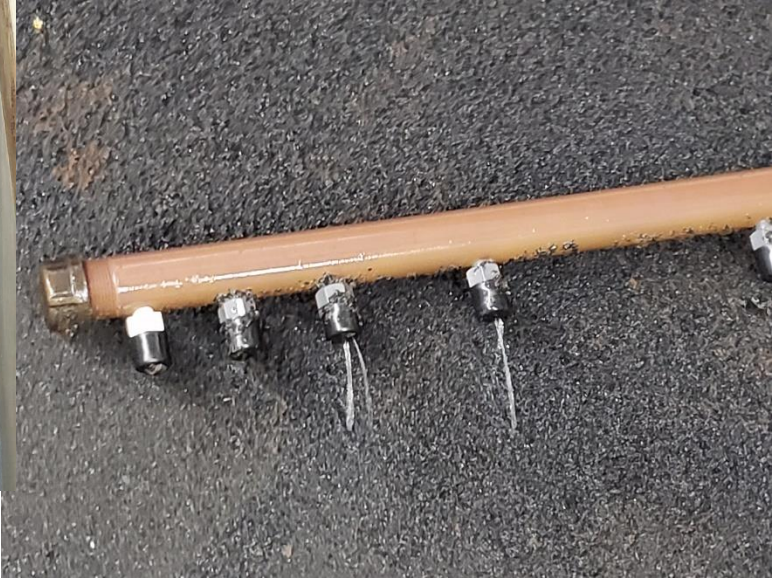


Right, Rich feeds the sewer camera into a lateral for a customer with a sewer backup. The City is responsible for sewer lines from the Property Line Cleanouts to the Main lines.





At the Water Treatment Plant, the older Unit was taken down for a short time so Operators could replace the caps (check valves) for the surface washer arms. This maintenance activity includes draining down the filter, pulling each cap off (40 total), flushing out any anthracite coal filter media that has accumulated in the nozzle, then installing the new caps. Below, the older caps can be seen working intermittently just before repair.



Left, a side by side of the caps as they were removed and replaced.



The Water Plant received its regular Sanitary Survey from the Oregon Health Authority during this period. This inspection is performed by the State of Oregon on Molalla's Drinking Water System every 3 years to ensure safe operation of the system. The inspections are very thorough, checking all aspects of our City's system, documents, Operation, and Maintenance Programs. The results were very favorable for the City, noting a few minor documentation updates we will be doing. The OHA also assisted the City in identifying new equipment being installed to monitor raw water Total Organic Carbon, which the City has sourced at no cost under a grant application with FEMA's wildfire disaster recovery funds.





The City has been working with its On Call Engineering Firm, Dyer Partnership, to transfer the remaining Trout Creek Water Rights to the regular intake on the Molalla River. Last month extensive fact finding surveys were performed in order to complete the application process. Above, Dyer Engineers waded into the water to get information and coordinates off the submerged intake screen. Left, engineers gather final data from the new Trout Creek Monitoring Station installed by the City last year as one of the OHA's conditions of approval for the water right transfer. Once transferred, the total water right the City will own on the Molalla River will be 7.0 cubic feet per second, which should be sufficient for the Cities needs through the current Master Planning horizon.

Preventative Maintenance continues to be a growing skill among Operators at the Wastewater Treatment Plant. Last month an audit of Scada information revealed a vibration on one of the effluent pumps. Heat gun testing was performed, revealing a failing bearing. The motor was lifted from the building by crane (Right) and new bearings installed. Performing the maintenance in a preventative manner is one of the tenets of LEAN concepts the Operations group works to achieve. Getting ahead of a shattered bearing *before* it becomes an emergency in the middle of the night is better for everyone, and for the budget.



Although the City has equipment available for just about everything, sometimes that equipment turns out to be a shovel. Below, Utility Crew Members Cody, Wyatt, and Devon clear out ash-laden leaves from a bioswale, re-establishing flow. Significant storm line cleaning and TV Inspection was performed by the crew after the wildfires.



Street sweeping is an important service provided by the City. Its primary function is to keep the Stormwater System from taking on debris, and during fall and winter months it runs almost continuously. This machine has been working for the City for over 15 years and is scheduled for replacement soon. In the meantime, crew members continue to keep it running in top shape, even fabricating parts themselves when needed.





Sealing of manholes is a critical strategy for Molalla in the fight against Inflow and Infiltration. All manholes in town have been inspected, and over 80% of those observed leaking have been repaired. The remaining 20% represent the more difficult manholes to reach, but crews and contractors have begun the process. We expect to have all leaking manholes grouted by May 2021. Shown here on the left, a crew member from Bergen Construction drills through the side of a leaking manhole off South Molalla Ave. He then injects a compound into the void where water is running through the soil on the outside of the manhole. This compound runs with the water, spreading itself into the cracks. It then rapidly hardens, permanently stopping the leaks. Each leak stopped is another leak that does not reach the Wastewater Plant, and does not need to be treated at the expense of the City.