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MEMORANDUM

Engineering Services

To: Mayor Jackola and City Council
From: Ron Whitlatch, Engineering Services Director
Subject: **Engineering Update – September 2024**

Date: September 26, 2024

CAPITAL IMPROVEMENTS

- As time allows, Engineering Staff continues to work on designs for additional small sewer replacement/rehab projects. These include:
 - East Ash (between Carlson and Creswell)
 - Fourth Street (between Maple and Grant)
 - Grove Street (between Carolina and Dodge).
 - Grove Street (between Milton and Elmore) – Design underway, bidding this fall.
 - Grove Street and Ash Street Sanitary Sewer Extension
 - Staff is continuing to receive applications for the replacement of sanitary sewer laterals (through the Small Sewer Lateral Replacement Program).
- Kennedy Jenks Engineering (KJE) and City Staff are continuing to move forward on the development of the Wastewater Treatment Plant Master Plan. KJE has been refining the priority projects expected from the new Master Plan. This is being done so that as we pursue funding (currently underway), we can better understand the cost and location of new improvements. They are also working with DEQ to determine permit constraints for our new NPDES Permit scheduled to be issued in 2025. The process has slowed somewhat over the last couple of months as we are waiting to see what the proposed NPDES Permit requirements will look like before finalizing the master plan. This process will likely take us into fall/early winter.
- Trails Update:
 - The multi-use path along Airport Road (in conjunction with the Airport Road/Stoltz Hill Signal Project) from Seventh Street to Burkhart Creek has been incorporated into the Stoltz Hill/Airport Road Signal Project. This project is currently being advertised for bids.
 - The trail to connect the Old Mill Trail and the River Park Trail in the Gills Landing Parking lot is complete. Build Lebanon Trails is funding the construction of the project.

- The City has received a Recreational Trails Grant to complete a segment of trail adjacent to River Park. Design is currently underway, but due to the current workload, the construction will likely happen in the spring of 2025.
- Willamette Valley Excavating continues to make good progress on the Seventh Street Reconstruction Project (Oak to 'F'). All new utilities have been installed other than a change order for a manhole replacement. This is being done because the channeling of the existing manhole tied into is insufficient to handle flows and creates a blockage in the line. This change order will be approximately \$45k in completion due to the bypass pumping (to keep the system active) and removal of the existing manhole, depth, and groundwater conditions. This will be complex. The roadway excavation has been completed, and the new curb & gutter has been installed. The project is scheduled to be completed by the end of the year.
- Staff has received comments back from ODOT for a design approval of several sidewalk access ramps on Grant Street between Park and Second Street. We will be making several revisions in order to satisfy ODOT. As time allows, Staff is designing the waterline replacement and street upgrades on Grant Street between Main Street and Fifth Street. A meeting with Union Pacific Railroad (UPRR) and Albany and Eastern Railroad was held on-site in December. Based on UPRR comments, it appears that the Rail Crossing on W. Grant will need improvements. Staff will be navigating what improvements and the costs associated with them in the coming months to determine the overall financial impacts on the project. With this information and current workloads, the project will likely be delayed until next fiscal year.
- As Staff is available, we are continuing the process to update the City's five year Capital Improvement Projects Plan. This effort will likely take several months (being done as Staff time allows) to complete. Staff will bring the completed document to the City Council for approval sometime in 2025.
- The new Traffic Signal at the Airport Road and Stoltz Hill Road intersection is currently being advertised for bids. Staff will recommend awarding the project at the October 23rd City Council Meeting. The project also includes extending the waterline on Stoltz Hill Road, extending the sanitary sewer on Airport Road, improving storm drainage, installing sidewalks and driveways, and creating a multi-use path along Airport Road. The project is scheduled for completion in the summer of 2025.
- Udell Engineering is working on a conceptual master plan for Cheadle Lake Park, which the Parks, Trees, Trials Committee has reviewed. The cost estimate for the initial conceptual design was substantially more than we have available in funding. Staff and Udell Engineering will come up with an alternate design with a much more pared-down scope, focusing on accessibility improvements, backbone utilities, and hopefully a stage/event area. It is likely construction will take place in 2025.
- Ironhorse Construction was awarded the Third Street Alley Sewer Rehabilitation Project at the July City Council Meeting. They intend to begin construction in October 2024. This will be a Cured In Place Pipe installation, which will eliminate the need for excavation due to

its location in the alley and very little maneuvering room. The existing line has multiple failures and a substantial amount of infiltration.

- Udell Engineering is currently under contract to provide the Topographic Survey for design of Fifth Street (Tangent to Mary). Kittelson Engineering is also under contract to begin warrant analysis for a traffic signal at the intersection. This project will re-construct this portion of Fifth Street and likely add a traffic signal at the intersection of Fifth and Tangent (assuming it meets warrants and has ODOT approval). We had anticipated starting design early in 2024, but due to current workload (consultants and City Staff) that has been pushed back to spring 2025.
- Staff is currently wrapping up design of the Willow Storm Drainage Extension Project. If staff time allows, we intend to advertise this project for bids this fall.
- K&D Engineering has almost completed the HWY 20 North Waterline Extension Project Drawings. Once an ODOT Permit has been received, Staff will advertise the project for bids.
- As part of the new parking facility for LINX (located at the Maintenance Shops), Engineering Staff will bring a recommendation to award for the paving bids received at the October City Council Meeting. City Crews are installing storm drainage, conduits, and aggregate base rock for the parking lot.

ENVIRONMENTAL

- Staff has been actively working on our required TMDL update to DEQ. The update was submitted and has been approved by Oregon DEQ. As time allows, we will begin updating the City's Five-Year Matrix and submit it to DEQ for approval. In the coming months, DEQ will also be pushing to begin the water temperature requirements for each jurisdiction. The City will not know the impacts of this, if any until the new regulations have been issued. It is possible that the new regulations (which tie into the City's NPDES Permit Update) could require action at the Wastewater Plant in order to mitigate temperature. The TMDL will require more extensive water quality efforts for storm drainage included in future projects and require testing of storm drainage outfalls as well as temperature controls in the near future. In conjunction with the TMDL requirements, Staff will be sending letters to commercial/industrial properties reminding them to have their private catch basins cleaned yearly to help eliminate pollutants from entering drainage ways.
 - Annual Status report complete and submitted to DEQ for approval.
- Staff is working with Republic Service to complete the Oregon Recycling System Optimization Plan Survey (ORSOP) with Circular Action Alliance (CAA). The data collected in the questionnaire will be used to prioritize investments and to estimate the full cost of service expansions.

DEVELOPMENT ENGINEERING

- Hickory Lake Apartments water main extension complete with new hydrants online. Contractor working on site utilities and building construction.
- Franklin Grove Subdivision public improvements accepted. Site plans received for single family construction, home construction in process. Most homes have been completed and final.
- Weldwood Dr storage contractor working on final punch list items.
- Oak St sewer extension plans revised, and project has been scheduled.
- Subdivision Madelyn Meadows between Walker & Wassom Street schedule and new public improvement permit to be issued. Contractor completing new service connections
- Blackrock Apartments corner of Airport & S 2nd final street patch complete, contractor working on site improvements and building construction.
- Mill Race Station RV storage plans stamped approved for construction; public improvement permit issued contractor working onsite improvements.
- Sewer main extension along 12th Street north of Airport under construction with new sewer main almost complete and ready for testing.
- Wagon Wheel ½ street improvements to start construction with a water main extension.
- Plans reviewed and returned to engineer for revisions for Cedar Springs subdivision off of Mazama and Fuji.
- Plans approved and pending permit issued for new gas station on the corner of Stoltz Hill & Airport Rd
- Plans on hold for review payment N Fifth extension with Hwy 20 access.
- Plans received and under review for Seven Oak Middle School storage building and water main extension for a new hydrant.
- Plans approved for the new subdivision along Kees Street with utility extensions.