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MEMORANDUM

Engineering Services

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

Date: April 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)
 - Main extension along Division Way (this project will serve US Bank who is currently on a septic system). This project has been awarded to Armstrong & Associates Construction and is expected to begin in the next few weeks.
 - Udell Engineering is currently working on a design to extend sanitary sewer on Grove Street (between Carolina and Dodge).
 - Grove Street and Ash Street Sanitary Sewer Extension
 - Staff is continuing to receive applications for 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. The process has slowed some over the last couple of months as we are waiting to see what our new NPDES Permit requirements from DEQ will be before finalizing the master plan. It is likely this process will take us through the summer months.
- Trails Update:
 - Design of the multi-use path along Airport Road (in conjunction with the Airport Road/Stoltz Hill Signal Project) from Seventh Street to Burkhart Creek will be completed with the signal drawings and incorporated into the overall project. This includes taking the existing overhead powerlines and converting them to underground.
 - The trail to connect the Old Mill Trail and the River Park Trail in the Gills Landing Parking lot will be advertised for bids in May. A recommendation to award will be requested at the June City Council Meeting. BLT is funding 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, and we anticipate construction this summer/fall.
- Emery & Sons Construction has completed sanitary sewer pipe installation on Crowfoot Road (from South Main to View Lane) and also the final phase of the project on South Main Road (Crowfoot to Joy). Beginning April 22nd, South main Road and Crow foot Road were closed to through traffic to complete the final surfacing. We anticipate that the roads will be open to traffic on May 3rd assuming that the weather cooperates. Below is the current financial status of the project. This will be updated to reflect changes/additions that occur during construction.

Approved GMP Values		Contingencies Used to Date	
Construction Cost	\$18,029,671.95	Contractor Contingency	\$254,900.97
Contractor Contingency	\$398,026.75	City Contingency	\$692,179.00
City Contingency	\$995,066.86	Allowances Spent to Date	
Contractor Allowances	\$1,902,065.32	Trench Foundation	\$107,733.78
Total GMP Approved	\$21,324,830.88	Dewatering	\$429,579.64

- The Seventh Street Reconstruction Project (Oak to 'F') is currently underway. Willamette Valley Excavation is currently installing sanitary sewer and replacing storm drainage along Seventh Street. A change order of \$35k was issued due to unforeseen ground conditions while making connection to the existing sanitary sewer manhole at Seventh and 'F' Streets. When this manhole and pipe were installed (many years ago) sand was used as backfill. This in turn required the contractor to place de-water wells and excavate the entire roadway curb to curb in order to be compliant with OSHA rules. The project is scheduled to be complete 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. Staff is actively 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 overall financial impacts to the project. This new information will likely delay the project.
- 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 2024.
- The City is preparing for a new Traffic Signal at the intersection of Airport Road and Stoltz Hill Road. This project will also extend waterline and sanitary sewer line on Stoltz Hill Road from Antioch Street to Airport Road, sidewalk and driveway installation, and likely a multi-use path along Airport Road. The Project Team (Kittelsohn Engineers, Udell Engineering, and City Staff) are moving forward with the final design for the project in anticipation of a summer bidding. Needed right-of-way acquisition for the project is nearly

complete, as we have been able to wrap up negotiations. It is likely that this project will take well over a year to construct as signal pole lead times are currently 6-9 months out.

- Kittelson Traffic Engineers has completed the design (30%) of a round-about at the Cascade Drive/Weldwood Intersection. They have prepared a Tech Memo for the City recommending an update to the current Transportation System Plan (TSP) with this project. Staff presented the update to the Planning Commission in April which was approved. In May, the final approval will be requested from City Council. The addition of this project of this project to the TSP will be beneficial in applying for future grants to complete the project.
- The Beaton Lane/Tennessee Road Rapid Flashing Beacon Project is 90% complete. One of the controllers for the RRFB was defective, and we are waiting on a new one for final completion. Build Lebanon Trails has also committed \$20,000 to this project in an effort to get it done.
- Udell Engineering is working on a conceptual master plan for the park which has been reviewed by the Parks, Trees, Trials Committee. 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 paired down scope, with the focus being on accessibility improvements, backbone utilities, and hopefully a stage/event area. It is likely construction will take place of any improvements will be in 2025.
- Udell Engineering is under contract to provide Engineering Design services for a sanitary sewer line replacement on North Third Street. Staff is working with Udell to determine the best approach to replacing the line since it is located in the alley with very little maneuvering room. The existing line has multiple failures and a substantial amount of infiltration. Once design is complete, Staff will advertise the projects for bids, likely spring/summer of 2024.
- 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 anticipate starting design early in 2024.

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, there will also be a big push by DEQ 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.

DEVELOPMENT ENGINEERING

- Hickory Lake Apartments water main extension complete with new hydrants online.
- Franklin Grove Subdivision public improvements accepted. Site plans received for single family construction, home construction in process.
- Bate's Storage off Hansard Ave plans returned to engineer for revisions.
- Industrial Way storage plans returned to engineer for revisions.
- Fire Department received temp occupancy for office contractor completing final site items.
- Plans approved for Buckmaster Plumbing new storage building. Contractor working building addition. Fire hydrant extension complete and operational. Final street patch for water trench complete and sewer connection to be completed weather permitting.
- Kees Street extension under construction. Water main passed testing, final paving conference to be scheduled.
- Weldwood Dr storage fire hydrant extension and passed testing. Final street patch complete, contractor working onsite.
- Oak St sewer extension plans approved.
- Plans approved for new Panda Express Building corner of Airport and Hwy 20 contractor working on final site improvements.
- Plans on hold for new subdivision Madelyn Meadows between Walker & Wassom Street. .
- Blackrock Apartments corner of Airport & S 2nd final street patch complete, contractor working on site improvements.
- 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 approved.
- Plans received and under review for Wagon Wheel ½ street, water main extension.
- Traffic review for Primrose / Airport intersection as part of a planning submittal.
- Harbor Freight site plan review complete public improvement permit issued for new water main extension.