

### From The Director's Office:

#### January— a month of beginnings and transitions.

On January 2, we welcomed Mia Pan to the Public Works Department as the new Industrial Pretreatment Coordinator. She is replacing Randy Watson who retired after working 30 years for the City.

Mia comes to us from the Department of Environmental Quality (DEQ) where she was a Water Quality Program Assistant. Prior to working for DEQ, she worked as an intern for World Resource Institute and a teaching assistant at the University of Pennsylvania, School of Arts and Sciences. Mia has a Master's degree in Environmental Policy from University of Pennsylvania and a Bachelor of Arts degree in Sustainable Water Resource Management and Policy from Hampshire College.

As the City's Pretreatment Coordinator, Mia administers the State's industrial waste regulations for local businesses that discharge industrial wastewater into the sewer system. This is required in order to prevent the introduction of harmful pollutants into the sewer system which could degrade the quality of our municipal digested bio-solids, negatively affect the sanitary sewer system or its operations or pass through the treatment plant and contaminate the Willamette River.

Industrial Pretreatment Program activities include administration of waste discharge permits, inspections, enforcement, sample collection to determine compliance, and collection of surcharge and monitoring fees. Monitoring is conducted within the City to trace discharges that could harm workers or disrupt treatment plant operations. As the Program Coordinator Mia will work with businesses to help them identify and employ pollution prevention practices.

Additionally, Mia will educate citizens on methods to keep fats, oils, and grease (FOG) from damaging plumbing pipes, the collection system, the wastewater treatment plant, and the environment.



*Mia Pan, Industrial Pretreatment Coordinator*

**Best Regards, Delora Kerber**

## Emergency Management

### Community Preparedness Event—Are you Ready?

Public Works staff was recently asked to present on the City's Emergency Management (EM) Program and its efforts to prepare the City and the community for any anticipated disasters. The January 18 event was attended by over 40 Wilsonville residents and community members. The event focused on individual preparedness and how to accomplish this.

Presentations began with Nancy Bush, Director of Clackamas County Disaster

Management, providing an overview of the County's and State's emergency management programs and responsibilities. She explained how each County is required to have a designated EM program with a point persons to oversee state and federal assistance. She also provided an overview of the partnership between the City and the County to assist the Wilsonville community in emergency preparedness including the development of the Natural Hazard Mitigation Plan and the Regional Debris Management Plan.

Martin Montalvo, Public Works Operation Manager presented on behalf of the City, and explained the City's assorted efforts to develop an all hazards EM Program. He provided an overview of the City's various plans and programs that are in place as well as the City's responsibilities in a regional emergency. He then provided information regarding each individual's responsibility for personal preparedness. Several online resources, both from the City's website and other regional partners were provided to help the attendees prepare individual and family emergency plans.

Lastly, Tualatin Valley Fire & Rescue staff attended and presented on the fire districts efforts in a regional emergency .



## Roads & Storm Water Division

### New Approach to Street Sweeping

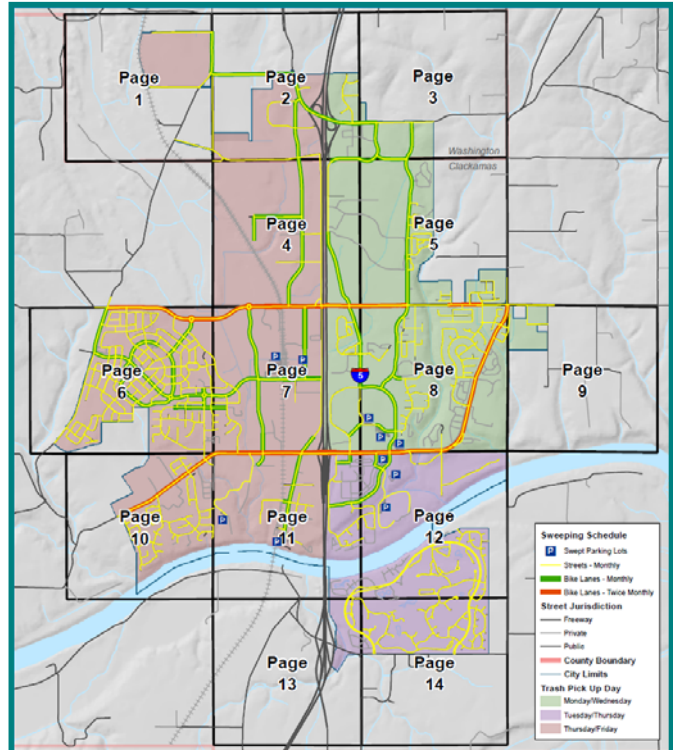
In late 2019, City Council approved a new contract for street sweeping services for the City of Wilsonville.

Roads Division staff have been working with the new contractor, Green Sweep Asphalt Services to develop a new approach to street sweeping and improve the overall level of service for the community.

The first step was to redefine the terms of the contract and have it approved by Council. The contract now allows for real time tracking of sweepers within the city and confirmation that the sweepers are actually sweeping not merely driving in the area.

Once a contractor was selected staff worked with them to develop a system map that was easily implementable by the contractor and would allow for increased community awareness of sweeping activities. The new system will allow staff to post the projected sweeping areas for the week and update the progress through the City's website. The new system broke the City into quarter mile blocks using the existing Township-Range-Section (TRS) system that surveyors utilize. Using the TRS system will have impacts beyond street sweeping as it is universal for the City and adjoining areas. It allows for future expansion of its corporate boundaries without having to modify how we approach the work.

Lastly, staff met with the new contractor to discuss new approaches and solutions to achieve the City's goals. Concessions and agreements were made by both parties to assure the quality was achieved without impacting the cost of the overall contract. In some instances hours of service were altered, in others some the method of sweeping was modified, all with the end goal in mind.



*The new 1/4 mile Township—Range—Section Map book allows for better scheduling and tracking of work.*



*New approaches to known problem areas were addressed to assure the community an increased level of service.*

## Roads & Storm Water Division

### Root Invasion of Storm Line

During the week of January 6 the Public Works Department received a phone call about some flooding that was occurring on Wilson Lane. Water was backing up out of the catch basins and flooding the street. The stormwater crew was dispatched to investigate the situation. They found catch basins and storm lines completely full of roots which had infiltrated the storm system. The crew cleared roots out of 80 feet of 12" diameter pipe which instantaneously reduced the flooding on Wilson Lane. Stormwater personnel will continue the clearing roots from the catch basins and an additional 400 feet of pipe with the goal of having this area completely root free by the end of February.



*Stormwater Maintenance Specialists Jay Herber and Randy Burnham clear a root engulfed catch basin with the vacor*



*Randy Burnham cutting root out of a catch basin with saw*

## Utilities Division ~ Water

### Annual Hydrant Inspection Program

The water crew wrapped up the annual hydrant inspection program which involves inspecting 20% of the 1,215 fire hydrants in the system each year. The inspections involve checking the operation and structure of the hydrant. Each hydrant is operated to make sure it opens and closes properly and does not leak once it is closed. Any operational defect that is discovered is repaired immediately. The crew checks to make sure each hydrant is labeled correctly with the City's hydrant numbering system and makes notes if the hydrant requires new paint or landscaping needed in order to allow easy access to the hydrant.



*Water Distribution Technician Jerry Anderson performing a Hydrant Inspection*

## Utilities Division ~ Sewer

### Annual Inflow and Infiltration Report

As part of the National Pollutant Discharge Elimination System (NPDES) permit, the City is required to fill out an Inflow and Infiltration (I & I) report. The (I & I) report is for the calendar year and requires statistics about how much sewer line was cleaned and how many manholes were repaired. In 2019 the sewer crew cleaned over 148,000 linear feet of sanitary sewer which is a new record high for the City. In previous years manhole repairs were primarily performed by contractors, but with the experience that new staff has brought to the City, these repairs are now being performed in house. In 2019 the crew repaired 13 manholes.



*Manhole Entry*



*Kyle Bean and Chad Whiting  
Cleaning the Sewer*

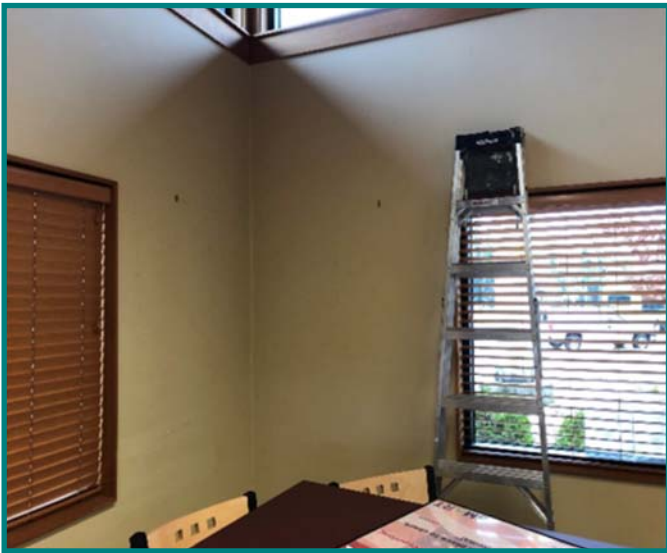


*Kyle Bean in a Sewer Manhole*

## Facilities Division

### Rainy Day Inside Work

The darker, wetter, winter months provide the Facilities crew with an opportunity to concentrate on repairing or replacing interior finishes by utilizing the slow season to partner with contractors. Facilities Technicians Ivan Crumrine and Javid Yamin worked with Transit Supervisors and the painting contractors to perform drywall repairs and brighten the room by painting it with a lighter color. This included staff being onsite at 5:00 am to rehang all posters and return furniture to its original place prior to staff beginning their work day.



*WES ~ Before*



*WES ~ After*

While at the International Facility Conference in October, Facility Technicians Javid Yamin and Ivan Crumrine discovered a new state-of-the-art floor refinishing method that offered unparalleled durability, anti-microbial sealant, and a beautiful aesthetic design. The flooring system also provides superior slip-resistant finish, which is a very important factor in the Community Center. Due to permanent stains and some material failure both of the hallway restrooms underwent this transformation.



*Community Center ~ Before*



*Community Center ~ After*