

From The Director's Office:

In April, it was mostly business as usual for Public Works field crews maintaining the City assets while implementing physical distancing requirements. PW staff repaired signs, patched potholes, removed a pipe blockage, replaced a water line, cleaned lots of sewer pipe and mitigated a sink hole to name a few activities that occurred during the past month.

The Facilities Team continued to perform extra duties related to the disinfection and cleaning of the City's buildings. Staff constantly disinfected key touch points to keep the common areas clean and restocked sanitizing sprays, gels, tissues and gloves (see photo below) for city staff to keep communal meeting spaces and their personal areas clean.

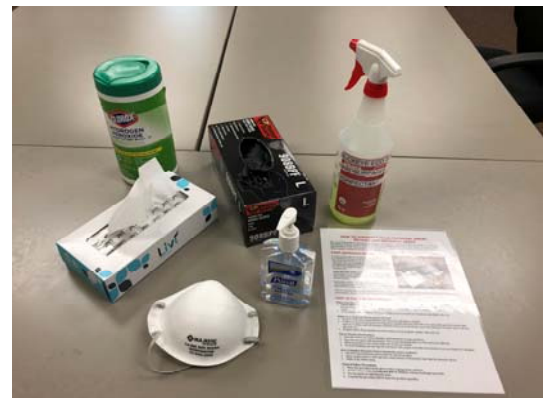
Public Works management staff remained active in the City's **Emergency Operations Center (EOC)** where EOC members discuss policies, actions and activities required for the City to successfully navigate the COVID-19 event. EOC meetings are held two to three times a week and follow the Incident Command Management (ICS) structure for emergency management.

Martin Montalvo, PW Operations Manager is the EOC **Planning Section Chief**. He is responsible for collecting, evaluating, disseminating, and using information about this incident. Martin develops meeting agendas and creates situation status (sitsat) reports which provide updates on status of resources, actions being taken by other agencies, and supplementary information which may influence decisions made by the EOC Team. Martin keeps the EOC members focused on the actions needed and "not pick out the corn".

Matt Baker, Facilities Supervisor serves as the EOC **Logistics Section Chief** his duties include providing facilities, services, and material in support of the incident. He tracks resource requests, procures supplies as needed and tracks inventory. Matt helps ensure City facilities will not run out of toilet paper.

I am the EOC **Operation Section Chief**. My responsibility is to manage the operations directly applicable to this event. When it was decided to close the parks and playgrounds, I worked with staff to create and post the signs and install the barrier fencing. When a task has to be completed, Public Works will do what is needed to get it done.

**Best Regards,
Delora Kerber, PE
Public Works Director**



Storm Water

Beaver Blockage Be Gone

One of the City's resident beavers decided to make a dam inside a stormwater pipe (see photo below). If left in place, the dam would cause water in the pipe to backup which could lead to flooding and possible property damage. Thus the blockage created by the beaver needed to be removed. Using the Vacuum truck, staff ran a ¾ inch hose with a special cleaning nozzle up the pipe and turned the water on. With a water rate of 60 gallons per minute at 2500 pounds per square inch pressure the debris was easily dislodged and flew out of the pipe.



Beaver's dam inside a stormwater pipe



High water pressure was used to clear the blockage

Roads

From wood to metal— a barricade built to last

After many years in place the wood posts rotted away on the Type III barricade on Brown Road. The barricade blocks the section of Brown Road that has not yet been built to the full width. The Roads team not only replaced the horizontal bars of the barricade, they also upgraded the supports to metal post. The new supports will help to double the life span of the barricade.



Old broken barricade



Replacement barricade with steel posts

Annual Checkup to Eliminate Road Cavities

In between the sign replacements and vegetation removal the Roads crew performs, staff is repairing potholes in the road. There are big potholes and little potholes around the City. When a pothole is discovered it is placed on a watch list and when staff has the asphalt Hotbox heated up they go around the City to repair the holes.



Pothole before being fixed



Pothole after repair

Roads

How do I find Boeckman Road?

Through the “Ask the City” (aka Citizen Relations Module (CRM)) staff was notified a Boeckman Road street sign at the roundabout at Villebois Drive had fallen off the support. Recognizing a missing street sign can cause difficulty to navigate the City, Roads staff immediately responded to this concern and reinstalled the sign the same day as the notification occurred.



Reinstalled street sign at
Boeckman Road and Villebois Drive

Sorry, I hit the sign.

Roads staff received a phone call from a citizen who had accidentally hit a “no parking” sign along the roadway. Using our asset management software, Cartegraph, staff tracked their time and the amount of materials used to replace this sign to be able to invoice the citizen for the cost of damages.



Downed “No Parking” sign needing to
be replaced

Roads and Storm Water

Holey Moley

While the Roads crew was driving to a maintenance job site, they noticed a four foot deep sink hole along the side of Boeckman Road. The Roads crew along with the Stormwater team used the Vacuum truck to safely hydro-excavate around the Fiber and Power conduits at the bottom of the sinkhole. With the area cleared, it was discovered that an empty four inch electrical conduit had broken, and over time, water was traveling through the pipe and eroding the surrounding soil. Staff repaired the pipe to prevent further erosion and backfilled the hole.



Sink hole along Boeckman Road



Broken, empty pipe caused water erosion which created the sink hole



Restoration of sink hole area

Utilities

Over Six Miles (34,000 feet or 408,000 inches) of Sewer Line Cleaned

The wastewater collections crew cleaned approximately 34,000 feet of sewer mains this month during routine cleaning operations. This brings the fiscal year total close to 200,000 feet or 40% of the total sewer system. The wastewater crew also continues to repair problems as they come up. This month, special consideration was given to areas where traffic is lighter than normal because of the stay at home order, or areas where businesses are temporarily closed causing wastewater flows to be lower than usual. By concentrating on these areas it will help the community make a smooth transition back to normal life.

The wastewater crew was able to complete the repair of a pothole forming next to a manhole cover in the right of way, which if left unchecked could have developed into a sinkhole. The manhole cover and frame were removed exposing the broken concrete which was then removed and repaired. Once the base was repaired the cover and frame were reinstalled at the correct grade and the asphalt surface was patched.



Cleaning sewer main



Removing casting ring foundation



Preparing foundation for casting ring installation



Asphalt patch around casing ring

Utilities

No traffic? Time to Replace a Water Line

During the month of April the water crew also took advantage of the lighter traffic conditions and business closures due to the stay at home order. One of these repairs was replacing a galvanized steel service line which feeds the Al Kader Shrine Center. The area where this work was conducted typically has cars racing in and out of the offices and car dealerships located on Parkway Ave and the Shrine Center would be open for events. The crew excavated down to the main, shut off the corporation stop, re-plumbed the service line with new copper pipe, backfilled, and with the assistance of the roads crew had the hole patched all in the same day.



Removing asphalt pavement



Excavating hole with vacuum truck



Burning out old meter



Preparing new copper pipe



Tightening pipe fittings



Backfilling excavation