



PUBLIC SERVICES COMMITTEE
AGENDA

Monday, March 15, 2021, 6:00 pm
Virtual Meeting

Pages

1. **ROLL CALL**
The meeting was called to order by the Chair at _____.
2. **DECLARATION OF CONFLICT OF INTEREST**
3. **MINUTES OF THE PREVIOUS MEETINGS**
4. **PUBLIC PRESENTATION**
5. **INTRODUCTION AND CONSIDERATION OF CORPORATE REPORTS** 2
5.1 Infrastructure Services Update
6. **PRESENTATION OF COMMITTEE REPORTS**
7. **UNFINISHED BUSINESS**
8. **CORRESPONDENCE**
9. **PUBLIC QUESTION PERIOD**
10. **ADDENDUM**
11. **CLOSED SESSION**
12. **SCHEDULING OF NEXT MEETING**
13. **ADJOURNMENT**



Memo

To: Council and Mayor
From: Daryl Halloch, Director of Public Works
Date: March 11, 2021
Subject: Infrastructure Services Update

Public Works

Pine/Poplar

- Leroy Construction has completed 45% of the project to date using the allotted amount of time (15 weeks). Leroy has 18 weeks left to complete the project, which has 340 meters left on Poplar, which will be cutting it close, as this is the challenging section containing a force main to be replaced running along a major gas line. The City has spent \$530,010.95 to date, including \$26,000 in contingency monies spent. Contingency used for the 4 Pine storm sewer pipes and subgrade stabilization (geogrid). Projecting final cost to be around \$635,000 + HST for Pine, where tender value was \$631,468 plus \$75,000 contingency, totalling \$706,468.00.
- There has been \$479,669.43 spent to date on Poplar road, including \$19,000 in contingency money spent. Contingency used for the water main joining 4 Pine, upsizing cost for Storm and Subgrade stabilization (geogrid). Projecting around \$2,136,000 + HST for Poplar, where the tender value was \$2,096,439 plus \$225,000 contingency, totalling \$2,321,439.00. Projections show “under budget” for Poplar as well (using only \$40,000 of the contingency) but there is still a lot of underground work to be complete.
- Communications between Leroy, Tulloch and the City have been very smooth, where any concerns identified during construction were addressed quickly. Resident’s feedback has also been positive, which is a high priority to the City. They have all received a letter explaining the shutdown and start up that will be taking place next May

Ice Resurfacer

Will be delivered in May

Backup Generator at City Hall

- Design documents created – All equipment identified to complete the project
- RFP created and ready to be posted on Bids & Tenders
- Just waiting for Hydro-one to send a specialized staff member to determine whether a 400 amp panel can be installed and hopefully not required to have a 1000 amp panel pertaining to the automatic transfer switch – huge increase in cost

Electrical Upgrade to Simpson Park

This project has been put on hold due to the cost to have the City replace 3 identified hydro-poles

Solar Powered Lighting for Airport Runway

- This was an approved 2020 Capital Project – a tender was posted recently and 3 bids were received. Approach Navigation was the lowest and successful bidder. To date the concrete bases have been installed for all the solar lights along the runway. With West jet recently cancelling flights in Canada – Staff and approach have discussed the option of installing the lights in the spring of 2021 with warranty starting from date of install. This will also allow the contractors to adjust any of the concrete bases should any sinking or shifting takes place.
- Approach Navigation has sent all the lights and will be completing the final install in June, along with staff training.

Arena Compressor

- This work has been completed and ice installed by City staff, while Metal-Air verified the equipment operated as expected.

Surface Treatment of Roads

- This was another approved 2020 Capital project where all the surface treated roads (Southbay, Lookout Tower, Boychuck, Scott, Pine Pond, Ski Hill and Dunlop Lake Road) were identified as being well past their life expectancy. I've received an engineering report (Tulloch) that identifying issues with (culvert replacement, rock removal and ditching) needing to be completed before surface treatment can be applied – which would be a double layer. Public Works staff has replaced all culverts on Fire Tower road and completed the ditching and brushing required and is now ready to move forward with surface treatment. After further discussions, the City is thinking of trialing the ground up asphalt from the dog park (2021 Capital project) to see how it would hold up over a full year, including plowing. This would help determine whether we can use this material on the other surface treated roads, which would be a huge cost savings to the City. I will further discuss at the ad-hoc committee meetings.
- Currently working on a tender which directly ties into the grinding of the asphalt

Prospector Monument

- Prospector Monument has been completed and is ready for its ribbon cutting event once the weather improves. Beamish will be treating the bricks in the spring and cleaning up torn up grass and replacing with sod. I've also budgeted for the parking lot to be sprayed with an asphalt sealant next year before lines are painted on. I will also have park staff lift bricks that are sinking or overgrown with grass to maintain the look of the Miners' Memorial park and the memory of the miners lost.

OPP Flooring

- Facility staff have received 3 quotes for the supply and installation of flooring in this facility – the job was awarded to a local contractor who has recently ordered the flooring

Utility Van – Plants Department

- Van has finally been delivered and Plants staff are now installing equipment from the old utility van that is being transferred to the Public works department, allowing us to dispose of the aged out asphalt utility van.

Navy League Building

- The area has been leveled out and drainage material installed - a plug was purchased for the water reservoir that was discovered. It has been a challenge to get this installed as the reservoir is full of sand bags and other material that is making it difficult to install the plug to stop the flow of water which is gravity fed from Elliot lake. The reservoir was pumped out, cement added and where the hole allowing water to flow in, is now blocked. Next spring fill will be added to the reservoir to ground level and the concrete pad will be refurbished with the building being installed on the pad.

Public Works Garage Roof

- A Tender will be posted in 2021 for the addition of a spray foam that both insulates and waterproofs the public works garage roof – This year we had a local roofing contractor repair known areas on the roof that leaked down on mechanics toolboxes during wet weather events and snowmelt. This will be a 2021 Capital project
- Working on Tender that will be posted on Bids and Tenders

Cross Walk signage and solar lighting

- One crosswalk was installed crossing Spruce road at the entrance of Spruce beach and the second one crossing Mississauga Road at the high school. City staff has recently been in contact with the company that manufactured the units regarding lights not working on both sides of sign. The company is shipping updated control boxes at no extra charge that will correct the problem.
- Parts were shipped and installed – all good

Kiwanis Park Basketball Court

- The basketball nets were ordered by Paul Eldon (funded by Retirement Living) and are in stock, Parks staff is installing boxes on the adjustable system so the public can't get to it. This was a problem in other municipalities, who suggested we build the boxes, as the parts ended up stripped and needing replaced. The Staff from Flexcourt Canada had a death in the family due to Covid which has delayed the ordering of the court. At this point Paul and I have been in contact with head office to let them know that there is no communication from the local dealer and mentioned we would still like to have the product delivered and installed in 2021. They assured us that the court will be delivered and installed in 2021, once weather allows.
- Update is a date has been set for May to have the new flexcourt surface installed by Flexcourt Canada. Parks staff will install the new nets along with addition of leveling cement prior to their arrival. Recreation department agreed that this area would be a great choice to have the third bottle refill station installed close to the court on the outside of the storage facility, especially with baseball diamond, skate park, splash pad, playground and basketball court all in one area. A sign identifying the funding sources will be made and installed on the storage facility facing the basketball court for people to read and acknowledge the organisations and individuals that are responsible for the upgrades.

Landfill Expansion

- The Ministry of Environment and Climate Change has recently approved the expansion of the current landfill, which now extends the life by 45 years at current disposal rates.
- The City is now working with Tulloch Engineering on the design phase – where city staff are looking at 2 separate areas – With the new design the City is looking at constructing a scale house, that directly lines up with the scale and vehicles being weighed, where no one has to leave their vehicle or facility. Once past the scale there will be an area for vehicles to navigate, without worry of a flat or getting stuck, to dispose of their waste in one bin, recycling in other bins, e-waste in another, wood in another and lastly tires in another. There will also be an area for yard waste that will be annually chipped and used for cover. There will be an area for appliances drained of Freon, tagged for no charge and an area untagged for a cost of \$40 per unit, where a contractor will come by a properly drain of Freon when called.
- There will be a separate entrance for commercial vehicles to enter and dump into organised cells. Lastly contractors will be expected to dispose of Asphalt at the landfill at a set cost which will help pay for the pile to be ground up every 5 years and applied throughout identified areas in town.

Arena Chiller

- The chiller project is now complete where both City staff and Metal-Air installed ice and ran the unit for just over a week to verify everything is operating as expected.

Pool Dehumidifier

- Facility staff recently had contractors in to repair the current dehumidifier (2011) that had failed to operate. During further investigation the contractor identified extensive premature corrosion of internal piping, with several leaking. The current unit was purchased in 2011 and installed indoors in a room with a tank filled with chlorine solution for disinfection of pool water. With moisture levels so high in pools, the chlorine vapours mixed with the humidity form an acidic solution that eats away at copper pipes, which should have been stainless steel if installing indoors. The city is waiting on a mechanical report that will better educate us on the internal state of the current dehumidifier, which is currently operating. Without the dehumidifier, moisture levels would spike in the building attacking the wooden structure. City staff has priced out new units which would be installed outdoors, all coming back in a price range of \$330,000.
- City received the mechanical report and is now working with Tulloch Engineering on design drawings and a tender to supply and install an outdoor dehumidifier with the capacity to reduce moisture levels within the pool facility, to prolong the life of the wooden structures.

Demolition of 46 Ontario Avenue and 22 Phillip Walk

- A tender was posted in November with 3 bids being submitted. The contract was awarded to Wendell Farquhar Trucking at a cost of \$70,000 which included a \$20,000 contingency to repair any brick work on the adjacent buildings after demolition. The project is expected to take 4 to 5 days with majority of it completed by the 18th of December. An inspection for any asbestos was completed and resulted in only small amounts that will be properly disposed of. The contractor will also be separating any recyclable material and having the site properly compacted for future development.
- 90% of this demo has been completed. The contractor will be returning in the spring to complete the work on the 2 exposed walls which have been temporarily winterized. Hoping project is completed without going over the contingency amount of \$25,000

Rio Den Storage Building

- Last week City staff had a quick visual inspection of the Rio Den Storage building with a structural engineer from Tulloch engineering. City staff was already aware of the leaky roof that has been on the radar for several years and where there's now a 2021 capital project coming forward to repair. While visually inspecting the building there was evidence of corroded steel beams in several areas as well as several cracks in the block foundation throughout. Council will have to decide whether a more in-depth structural review is warranted and if completed and not good – where the City goes from there.
- Current there is an in-depth structural inspection being completed, where a report will be brought to council to determine whether to continue to invest money in the building or go another direction.

Westhill Trailer Park

- While staff was completing its annual flushing program in October of this year – which involves high flows of water through each fire hydrant to help clean out the aging underground infrastructure (water pipes). They also exercise all valves in the area, including each fire hydrant and make a list of all that aren't operating properly in need replacing. When flushing in the Westhill trailer park area, distribution staff could no longer record a free chlorine residual in the

water, which must remain above .05 mg/L for the City to be compliant. This automatically forced the City to put on a boil water advisory in the area affected and contact the MOECC for further direction. The City after speaking to the MOECC was approved to proceed with a plan to add super chlorinated water to the pipes that would remain in place for an extended period of time. After completing the process, staff eventually noticed the free chlorine residual levels dropping off until zero mg/L was all that could be recorded with a handheld analyser, resulting in the boil water advisory to remain in place. Within the next few days, plants staff including myself sat down to go over what the next step would be. We decided to have staff record chlorine residuals in all directions moving further from the area affected. The plan is once staff identifies the areas with higher chlorine residuals, we can then proceed to adjust valves to help direct the water towards the area of concern. Once the highly chlorinated water is directed towards the area of concern, staff will then install an auto-flusher to continually force the water in that direction. If this solution fails to work, staff will have to investigate in the cost to line the water mains throughout the park to hopefully avoid replacing the underground infrastructure, which we currently no the cost to complete this.

- Plants staff are going to first rearrange valves in the next month, to better direct the chlorinated water to the Westhill area, along with more flushing. If this does not work, staff has been in contact with companies regarding pigging of the watermines in the trailer park, followed by relining. As this isn't a budgeted capital project a tender will need to be created to attract bidders that offer these services, along with the cost to do so.

Spruce Beach Lift Station

- Plant staff continues to work on the upgrades to the current Spruce Beach Lift Station, which includes new pumps, piping and a diesel back-up generator. Some work will be contracted out and is expected to be completed this fall.

Sanitary Sewer Line between Westview and Spruce Lift Station

- To date there has been geotechnical testing completed, along with a camera inspection. This line has been backing up annually for the last few years causing sewage to run down to the beach area. This has caused City staff to close the beach, until the area was cleaned and samples came back good. After reviewing the camera inspection, City staff is looking to only have a small section of pipe dug up and replaced. The rest of the pipe can be rodded out and lined by a specialized company – which will have to go through the tender process. This should reduce the cost saving a quarter of the budgeted price.

Culvert replacement on Esten Drive South

- This capital project was identified by the Manager of public works and his crew during a routine inspection. The culvert is not far from failing, which would cause a complete loss of a section of that road.
- To date there has been Geotechnical testing and surveying completed to identify all the services in close proximate to the culvert. With this being such a large culvert, specialty equipment is required to replace.
- Currently gathering all information necessary to add to a tender document which will then be posted.

Primary Clarifier – Sludge Collection system – chain and flight replacement

- The wastewater plant primary clarifier building contains 3 large separated tanks which each contain a sludge collection system with chain and flights that are showing their age. Currently staff has priced out the complete replacement of the current system, as well as investigating a new system with way less moving parts that is being installed in several wastewater plants down south. The Manager of Environmental Services and myself are trying to plan a road trip to view the new system in operation and gather more information from other municipalities. Once things lift, we will head south.
- We have had structural engineering inspections on the tanks to verify the concrete is still good and could support both systems.
- Once we've completed our investigation, a tender will be created and posted where results will help determine costs and the time to receive the product.

Roof Repair on the Primary Clarifier Building at the Wastewater Plant

- Last year a structural engineering inspection was completed on the primary clarifier building, where a report came back stating it was structurally sound. The report did identify the need to have several cracks in the concrete roof filled and repaired and a layer of insulated product applied to the entire surface to reduce the small leaks that have developed over the year.
- The city is working with a roofing specialist, who has helped create a tender document identifying proper procedures to repair and apply an insulated product.
- Will be posted in the next month or so.

Repair to Bridges Located on City Trail System

- The City has a mandatory engineer inspection completed on all bridges and culverts over 3 meters in length. While all culverts passed inspection, several defects were identified on the 3 main bridges on the city's trail system. All 3 bridges will need to be raised up by crane so the support structures below can be repaired or upgraded to engineering standards. The report also identified the complete replacement of wooden deck boards, the repair to rusting metal support systems and paint to complete.
- Hoping to complete majority of the repairs in house and contract out the ones that can't be. Deck boards have been ordered and stored, as wood is predicted to climb in price.
- Once repairs are completed, bridges will be good for another 10 to 15 years with minor annual preventative maintenance

Watermain and Sanitary Sewer line replacement located under water from Westview Park to the North Industrial Area.

- The City installed both a Watermain and Sanitary Sewer line over 40 years located under water from Westview Park to the North Industrial area supplying the area with potable water and fire protection. Several years ago a break in a dam upstream resulted in a powerful surge of water that took out the culvert on Highway 108 and lifted the watermain from its engineered anchor system. This forced the City to install a pressure reducing valve in Westview Park to reduce the pressure from 110 PSI to 70 PSI. Unfortunately the City was still dealing with annual repairs to the watermain that involved hiring a specialized dive team from the Sault to clamp the repairs caused by movement in the system (\$10,000 to repair). To date there are over 13 clamps located along the main resulting in a boil water to the entire North Industrial every repair. Two years ago the regional water inspector asked for a permanent action plan and was concerned with the treated chlorinated water negatively affecting plant and animal life in Elliot lake. After further investigation an ICIP Green funding application form was completed and submitted with letters

of endorsement from the MOECC. In the summer of 2020, the City received a letter informing us we were not approved regarding the ICIP Green funding, which we later found out was due to funds being transferred to ICIP Infrastructure fund.

- To date we have had Tulloch engineering complete a depth profile, design drawing and are currently in the middle of completing the tender documented, which added the cost for services to the old Ministry property.
- An ECA application will be completed in the next month or so. Once approved the tender will be posted and work completed before snowfall.

Asphalt grinding at Senator Park (Dog Park)

- Over the last 25 years both the City and local contractors have been disposing of their old asphalt from projects completed that has accumulated to a large volume. The plan back in the day was to have a specialized contractor come to town and grind the pile down for the City and local contractors to divide amongst themselves, while splitting the cost. The process ended up being a very slow and costly process, as equipment kept breaking down resulting in an asphalt pile that continued to grow over the years.
- When hired in 2018, so to was a MOECC inspector, transferring from the Toronto area. Along with making sure all multi-residential buildings were equipped with recycling bins, was what the City's future plans were regarding the large volume of illegally disposed of asphalt.
- After hours of research by several city staff personnel investigating how other Municipalities deal with this problem, a stop was put to the dumping in that area, where everyone was now directed to have it properly sorted and disposed of at the local landfill.
- Tulloch was then hired to estimate the amount accumulated in the area and add it to an excel sheet to determine a cost to have it ground up and A gravel added to it where it can be used towards projects throughout the city.
- At first I was going to budget a large amount to have it all ground up at once and instead spread it over 4 years. This year I'm going to determine how much needs to be ground to have it applied on Fire tower road, which is due to be surface treated. If it works out, then I will grind up enough asphalt every year to replace all surface treated roads, resulting in a large cost savings from not having to pay a contractor to surface treat the roads, while cleaning up the asphalt pile.

Solar lighting along trail system from Esten Drive South to Esten Drive North

- this is to have the trail system from Esten Drive South to Esten Drive North Lit up so anyone walking, biking or on a scooter can avoid being on highway 108.
- To date – have received pricing and will post a tender in next week or 2

Additional street lighting from Centennial area to the Miners' Memorial along Hwy 108

- This area is known as being very dark and also includes a walking path on both sides of the highway.
- To date I've been in touch with H & C pole line and will be determining what hydro poles streetlights will be installed for maximum lighting. Once this is determined – an application form is completed with hydro-one and it turns into a waiting game for them to inspect and approve. After that is done the lights can be ordered and installed by H&C pole line.

Supply of (1) back-up pump for the Horne Wastewater Lift station

- The Manager of the Lift Station has placed the order and waiting for delivery
- The Horne lift station consists of 2 pumps that cycle back and forth, but also run together during high flows. It is very important to have a back-up in case one of them fail. this avoids having to call a sludge haulage company and reduces the time to replace, as most take 6 months from the order date. The department will rotate it into service during its warranty period.

FLEET

- A tender was posted for (4) Service Trucks which was identified during the budget process and approved
- A tender was also posted for (1) crew cab parks truck that is necessary during summer months when the department hires 15 summer students
- A tender was posted for a new articulating sidewalk machine and snow blower attachment to replace the 2003 unit – which we have requested a trade in price

CONTRACTS

- Working on the Curbside Garbage and Recycling contract – where the current 5 year contract expires in May
- Working on the Conventional and Specialty Transit contract – as the current 5 year contract expires in September
- Posted a tender for a 3 year contract to supply the City of Elliot lake with sludge haulage service
- Posted the Fuel and Lube tender for a 3 year contract to supply the city with fuel and lubes
- Working on tender to supply the City facilities with frontend pickup for both garbage and recycling for a 3 year period