



Memo

To: Public Service Committee
From: Daryl Halloch, Director of Public Works
Date: September 15, 2021
Subject: Third Quarter Capital Projects Update

Public Works

Pine/Poplar

- The project started back up in May of this year, where Poplar road was milled and transported to the City Public works yard on Hwy 108. Half the milled product was used on the trail from Esten Drive South to Esten Drive North, which resulted in a cost saving of \$100,000. The remainder of the milled product is being used for shouldering on local roads throughout the City. The project also involved the replacement of the watermain, sanitary sewer pipe and storm system up to 23 Poplar Road.
- The project is running on schedule and should be completed by the end of October of this year.
- To date the project should come in on budget, although \$85,000 of the \$300,000 contingency was utilized for geo-textile cloth (to improve drainage) and some replacement valves that were not identified on the original blueprints.
- There has been very little complaints as City staff, contractors and engineers have been working together to keep residents updated with information throughout the project.
- Currently all underground infrastructure has been replaced and the contracting crew is working on repairing residential properties.
- The final step will be completing the asphalt paving, which should be completed in the next few weeks.

Ice Resurfacer

- The new ice resurfacer was delivered on Wednesday June 2nd, where it was looked over by the City mechanics and then delivered to the Centennial arena, where it is ready to be utilized for the upcoming season.
- Unit has been in operation since the middle of August – staff love the new unit.

Backup Generator at City Hall

- The 400 amp generator and transfer switch have been ordered – PW crew will be pouring the concrete

Solar Powered Lighting for Airport Runway

- Council approved a capital budget of \$335,000 for the replacement of runway and taxi lighting with solar lighting
- The IT department has completed work required for the system
- The contractor just needs to complete the install of all lights, which are currently being stored at the airport – along with spare parts

Surface Treatment of Roads

- This project has been delayed until June of 2022, the contractor awarded the job was unable to have the pulverising equipment on-site until early October. With temperature being such an important factor, it was agreed to delay the project. This city received a letter stating the start date of the project and that the unit pricing will remain the same and will be offered to any future 2022 capital roads projects.

OPP Flooring

- The flooring has been ordered up and will be installed in the next week or two

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 to hold in the plug.
- The Public Works and Parks department will be working together to remove the reservoir cover, break it up and use it to fill the rest of the reservoir, where it would be filled in to the level as the ground surrounding it. Next, the current pad would be repaired with concrete and the building installed by City staff and the area surrounding cleaned up. The building was purchased in 2019 and is being stored on-site. At this point, staff hasn't be able to come up with any better location to have the navy league building installed.
- The forms have been installed and the concrete poured over the existing foundation and then the building installed.

Public Works Garage Roof

- This project has been completed

Kiwanis Park Basketball Court

- The contractor will be in town within the next week or so to paint the 3 point and half court lines, parks staff will be installing the benches along the court side for players, and a bench for people watching. Two signs have been ordered up and will be installed on both sides of the bottle refill station. One sign acknowledging the funders and the other sign documenting the rules.

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 and properly drain the 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.
- Staff recently met with engineers where areas were surveyed and stakes installed identifying future cells as well as the height garbage can be disposed of before needing to have a final cover. We also identified future areas where residents can enter the landfill and dispose of their waste. An example of that would be waste bins for household waste, metal pile, wood reclaim area, untagged appliances needing to be drained of Freon, recycling bins for cardboard and commingle, e-waste area, tire bin, asphalt stockpile and possible sea can for hazardous waste. This area will be well maintained and consist of a crushed asphalt roadway that allows residents to dispose of their garbage without getting a flat tire – it will be very organised with a staff member guiding them.

Pool Dehumidifier

- Council approved a capital project budget of \$305,000 towards the replacement of a new outdoor dehumidifier for the pool.
- Engineered drawings have been completed and will be added to the tender package that will be posted in the next week or so.
- Tender was posted and two bids were received – before the job is rewarded, staff is verifying that the modernization grant is approved, which is in phase 2

Demolition of 46 Ontario Avenue and 22 Phillip Walk

- This project is completed

Rio Den Arena Roof Coating

- Council approved a capital project budget of \$213,696 for the addition of a coating to help insulate and waterproof the current seams that are leaking.
- Both a structural and mechanical engineering inspection was completed on the Rio Den Arena (Report on agenda detailing inspection results)

Westhill Trailer Park

- The Plants department had an auto-flusher installed on Chalmers Road in the Westview trailer park. The auto-flusher installed was to draw cold fresh chlorinated water to the area, as there is

low water usage, due to a lower volume of water users, which directly affects the chlorine residuals. Along with the auto-flusher, a watermain repair was completed in February to the main water line feeding the trailer park as well plants staff flushed the hydrants and exercised all the valves in the area. All of these efforts combined, resulted in the return of acceptable chlorine residuals throughout the area. This allowed staff, with approval from the Ministry and local health unit, to lift the long standing boil water. Staff will continue to closely monitor the area.

- The plants staff continue to monitor the system, taking weekly chlorine samples – all has been good

Spruce Beach Lift Station

- Council approved a capital budget of \$305,280 to upgrade the Spruce Lift Station that receives waste from neighbourhood one and pumps it to Horne lift station. All equipment and supplies have been ordered up, including a new backup diesel generator with an automatic transfer switch. The project is 80% complete, with the remaining work to be completed in the next couple of months – Project total should be in the estimated range of \$150,000
- Project will be completed within the next couple of weeks

Sanitary Sewer Line between Westview and Spruce Lift Station

- Council approved a capital budget of \$356,000 to complete the replacement of the sanitary line from Westview to the Spruce Lift Station
- After having the sewer line inspected by camera – staff determined the sewer pipe to be in good condition and is now waiting on quotes to have the identified tree roots removed and the pipe possibly relined. Staff is anticipating an estimated cost around \$250,000, with the work to be completed in the 2021 calendar year.
- This project will be completed next year along with other areas of the sanitary sewer system that will be addressed during the 2022 capital budget process

Culvert replacement on Esten Drive South

- This project has now been completed

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 I 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.
- Bart and I will be travelling to the Niagara area by the end of the month to investigate a new system on the market.

Roof Repair on the Primary Clarifier Building at the Wastewater Plant

- This project is now complete

Repair to Bridges Located on City Trail System

- Council approved a budget of \$101,760 to complete the repairs to local trail bridges identified in a mandatory engineer inspection.
- Staff has requested quotes from 4 local companies, with the equipment necessary to lift the bridges and repair the structures below.
- Staff will purchase all materials related to this project as a cost savings and is confident in completing the project under budget.
- Majority of the bridges have had the boards replaced and repairs completed
- There are two bridges remaining, where heavy equipment will be used to lift them so the support systems below can be repaired properly. Will be completed by the end of October

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

- An application was completed and submitted to the government regarding the ICIP green stream phase 2 funding opportunity. City staff requested the replacement and relocation of both the water and sewer line running under Elliot Lake from Westview Park to the North Industrial area. The city proposed to have the two services installed along highway 108 from Timber road south to Lakeview drive. If successful, the project will be 73.33% funded by the government.

Asphalt grinding at Senator Park (Dog Park)

- Council approved a capital budget of \$254,000 to have a third of the asphalt stockpile crushed (6000 M³) and applied to predetermined projects.
- A City contract was signed between the City of Elliot Lake and Gilbertson Inc. to have 6000 M³ of stockpiled asphalt crushed up and stockpiled behind the Dog Park.
- The plan is to use 2500 M³ of the RAP towards the Ski Hill parking lot and road to Oakland Blvd.
- This has the Federal government excited as it checks off several boxes when it comes to Federal Gas tax money – Environmental (Reuse) Ski Hill and local trails (Tourism and Recreation)
- The city still has about 20 loads of RAP to transport to the ski hill parking lot, where it will be graded and packed in place.
- City staff are also going to apply this material to a section of Dunlop Shores road and monitor how it turns out and holds up over the next year or so.

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 motorized scooter can avoid being on Highway 108 alongside fast moving traffic. This will also help connect a future bike path as the trail was finished with milled asphalt from the Pine/Poplar project – this saved the City an estimated cost of \$100,000, which was quoted to pave this trail system in 2019.
- All of the lights have been installed along the trail system and are just waiting on an inspection from Hydro-one before they can be activated

Addition of street lighting from Spruce Ave to Manitoba area along Hwy 108

- This area is known as being very dark and also includes a walking path on both sides of the highway.
- Permits have been requested from hydro-one regarding the hydro poles from Spruce to Manitoba and again from Esten Drive North to Esten Drive South

- The work will begin at the end of July of this year and will be completed by the end of the summer.
- There was an approved capital budget \$106,000 – which should be completed for a total of \$75,000
- Waiting for sign off by Hydro-one and then lighting can be installed on predetermined hydro poles along hwy 108 between Spruce ave and Manitoba road.

FLEET

- A tender was posted for (5) Service Trucks which was identified during the budget process and approved – the City has received 4 of the 6 trucks to date
- A tender was also posted for (1) crew cab parks truck that is necessary during summer months when the department hires 15 summer students – Will not arrive till the Fall
- A tender was posted for a new articulating sidewalk machine and snow blower attachment to replace the 2003 unit – awarded to Work Equipment and has been ordered
- Waiting on the final trucks ordered, which have been delayed due to the microchip shortage, should arrive in the fall.
- The City Groomer sold for \$62,000 on Govdeals, which was also used to sell a utility van and old grader tires

CONTRACTS

- A 5 year contract for Curbside Garbage and Recycling services has been awarded to GFL Environmental.
- a one year contract extension agreement was signed regarding both the Conventional and Specialty Transit services.
- Currently working on an RFP for a complete transit review.
- 3 year contract to supply the City of Elliot lake with sludge haulage service was awarded to GFL Environmental
- 3 year contract for the supply of fuel and lubricants was awarded to McDougall Fuels
- Working on tender to supply the City facilities with frontend garbage pickup for a 3 year period

FUNDING

- The City was approved to receive \$50,000 in funding from a MAMP application completed in 2020 – This will go towards upgrading the current city asset management program and policy, having a complete scan of the City roads and sidewalks, where a priority list will be created and transferred into the City asset management program (DOT) Decision Optimization Technology – which now provides a risk based analysis and the ability to attach pdf files, photos and videos to any asset inventory, so if we have contracts, inspections, CCTV scans, etc., DOT is the perfect place to store them. This is all required in the new asset management policy effective July 1st of 2022.
- StreetScan has completed an in-depth scan of both the city streets and sidewalks. The information acquired will be inputted into the City asset management program (DOT) which will help staff when planning for future capital projects, as well as increasing the city's odds, when applying for funding.
- The City can now utilize the approved ICIP transit funding of over \$900,000 – This will start with the release of an RFP for review of both the Specialty and Conventional systems. Once the report is completed, staff will use this information when developing the new 5 year tender documentation, as well as upgrades to existing shelters, addition of new shelters, replacement of

buses along with the purchase of smart card bus pass system, that will allow riders to top up the card on-line or at a centralized machine located at a predetermined area.

- The transit busses are now equipped with the audio and visual call-out equipment as well as the on-off ridership software, which was installed in July of 2021.
- The City was approved for the Covid infrastructure funding of \$100,000 which is being used towards the trail projects throughout the City.
- There is a phase 2 to the connecting link funding app that has just opened. This funding is aimed at improving the hwy 108 corridor that runs from Esten Drive South to Timber Road North. The city was unsuccessful in phase 1 as our highway corridor is in much better shape than most municipalities. Just so councils aware, were looking at a proposal to widen the entire road along the highway for better traffic flow (Tim Hortons, Esso and any future development where turning lanes would be needed).

Cross Country Ski Trail (drag for groomer)

- A 1999 Scandic ski doo was gifted to the Cross Country Ski Club last year
- This year a pull behind groomer was ordered to allow the cross country ski club to maintain the trails – It arrived last week and will be stored at the Parks building for the 2021 Winter until a more permanent location can be arranged

Accesible Parking lot at Spruce beach

- Drawings were supplied by Tulloch engineering identifying an accessible parking area that will be attached to the beach mats purchased last year. This parking area will also join the future accessible trail project from Spruce Beach to Westview Park. Majority of the project will be completed by City staff, which again can utilize the crushed asphalt for the entire parking area
- Staff is still hoping to complete this project in 2021, along with several pathways, made of crushed stone, allowing people with mobility issues to access picnic tables located throughout the city

Addition of Turning Lane on Highway 108 across from the Esso

- This project was identified in 2018 and was requested due to health and safety concerns with traffic backed up to the lights at Hillside Drive South and Hwy 108, caused by vehicles trying to turn into the esso gas station. This expansion lane will allow traffic to easily drive through resulting in a better flow of traffic.
- The City will need to have engineering design completed before a tender can be created and posted.
- There has been no progress to date – as it is believed to be much more than the approved budgeted capital cost of \$135,000
- Will contact engineers next week for a better estimated cost to complete this project
- After surveying the area, it was determined that the road width would allow for a turning lane entering into the second Esso entrance.
- The city has been contacting specialized contractors, as the current painted lines would need to be removed and painted in the proper location, allowing for the extra lane to be created. Once created, this would allow traffic to continue through while vehicles are attempting to turn into the Esso. The city will also have to approach Esso, to request that the first entrance into Esso become an exit only. This will result in significant savings.