



# Memo

**To:** Public Service Committee  
**From:** Daryl Halloch, Director of Public Works  
**Date:** June 15, 2021  
**Subject:** Second Quarter Capital Project Update

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## Public Works

### Pine/Poplar

- The project started back up in May of this year, where Poplar road was milled and transported to the City's 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.

### Ice Resurfacer

- The new ice resurfacer was delivered on Wednesday June 2<sup>nd</sup>, 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.
- The City will have to make a decision on whether to sell the 2004 unit and receive an estimated amount around \$4,000 or to possibly utilize it for any outdoor ice rinks or pathway projects

## **Backup Generator at City Hall**

- The generator and electrical supplies have been ordered – the generator won't arrive till August, which gives City staff time to pour the concrete pad and install a chain linked fence around it. The electrical contractor will be completing all the upgrades necessary inside City Hall so the only required in August when the generator arrives – is the connection.

## **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
- This project will be completed the first week in July
- 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**

- The City approved a 2020 Capital project for \$305,000 to resurface the surface treated roads throughout the City (Fire Tower, Scott, Boychuck, South Bay and Pine Pond) which were all surface treated in 1992, with Scott road receiving a single surface again in 2005. After further investigation, it was determined that all roads would require a double surface treatment, which involves pulverizing the current road, addition of gravel, ditching, brushing, replacement of culverts and then the double service treatment. The double service treatment is required as too much time has passed, where the road width is disappearing – these roads should have a single surface completed every 10 years. To date the Public Works crew has completed the replacement of all culverts, ditching and brushing on Fire Tower, South Bay and Boychuck Road. The city was hoping to utilize the crushed asphalt but have been advised to keep it to parking lots, trails and for shouldering along city streets.
- A tender has been created and will be posted to find out the cost to have Fire Tower, South Bay, Boychuck and Pine Pond completed, which are all in a similar area and wait to have Scott road completed next year, where Public works staff are going to trial a 100 foot section with the crushed asphalt.
- A report is being written to complete all 4 roads proposed and to use money saved on other 2021 capital projects to make up the difference with what was budgeted which might be around \$200,000.

## **Prospector Monument**

- This project has been completed and is awaiting the official opening ceremony that will take place in September of this year.

## **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 fill 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 it cleaned up. The building was purchased in 2019 and is being stored on-site. At this point staff hasn't been able to come up with any better location to have the navy league building installed.

### **Public Works Garage Roof**

- The Tender was posted on Monday June 4 2021 and closes at the end of the month. City staff will evaluate the bids and award the contract to have the project completed this summer

### **Kiwanis Park Basketball Court**

- The new basketball nets were installed in May of this year by the Parks crew
- The Public Works crew recently repaired all the uneven surface areas
- The Plants department is installing a water refill station on the backside of the storage facility facing the basketball court
- There are two signs being made that will be installed on both sides of the water refill station, one thanking the funders and everyone involved in the project, with the other sign updating rules.
- Flexcourt Canada crew will be installing the court and bleachers, being stored in the Rio Den Arena, within the next two weeks.

### **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 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.
- 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.

## **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.

## **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

## **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.

## **Culvert replacement on Esten Drive South**

- Council approved a Capital budget of \$407,000 for the replacement of the Culvert at Esten Drive South and Hwy 108.
- Engineered drawings were completed and added to a tender package
- The culvert was ordered by the city – saving \$20,000 towards the project
- The Tender was posted three weeks ago on the City Webpage and Bids and Tenders and will close at the end of this week
- Once the project is awarded – work will begin and completed this year.

## **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.

## **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 tender was posted on the City Webpage and on Bids and Tenders on Monday June 4<sup>th</sup> 2021 and will close at the end of the month. City staff will evaluate the bids and reward accordingly to have the project completed this summer.

## **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.

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

- Council approved a capital project budget of \$407,040 towards the replacement of both the watermain and sanitary line running 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 advisory to the entire North Industrial. 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 document, which added the cost for services to the old Ministry property.
- We have finally received documentation regarding the licence of occupation for the underwater watermain and sanitary sewer line on the bed of Elliot Lake. The city can now proceed with the ECA application and then once approved post the tender.
- The city has also confirmed that they will not need to design the replacement line for the addition of services for the old MNR property.

## **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 M<sup>3</sup>) and applied to predetermined projects.
- A City contract was signed between the City of Elliot Lake and Gilbertson Inc. to have 6000 M<sup>3</sup> of stockpiled asphalt crushed up and stockpiled behind the Dog Park.
- The plan is to use 2500 M<sup>3</sup> 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)

## **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.

## **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

## **FLEET**

- A tender was posted for (5) Service Trucks which was identified during the budget process and approved – the City has received 3 of the 5 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 – but it 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 delivered.

## **CONTRACTS**

- Working on the Curbside Garbage and Recycling contract – Report to have Council approve a new 5 year contract with GFL Environmental
- Working on the Conventional and Specialty Transit contract –Report attached requesting a one year contract extension for both the operating services of Specialty and Conventional Transit services so an RFP can be posted for a complete review of the entire transit system
- 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 1<sup>st</sup> of 2022.
- 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 buses will also have the audio and visual call-out equipment as well as the on-off ridership software installed during the week of July 12<sup>th</sup> of this year.

- The City was approved for the Covid infrastructure funding of \$100,000 which is being used towards the trail projects throughout the City.

### **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

### **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