

9.3

Town of Blind River Projects
 Job No. 19-1131
 Prepared by: Tulloch Engineering Inc.
 Updated: April 29, 2020

Priority	Projects	Action Needed/Comments	Status	Completion Year	Action by Whom
Water Projects					
HIGH	New Water Intake Source Assessment	Katie would like a S.O.W. from TULLOCH to provide to Council. S.O.W. should include different project phases, such as modelling, preliminary design, evaluation of alternatives, Municipal Class EA.		2020	Chris
	Water Treatment Plant Building Roof	Removal of existing roof and re-install with insulated metal panels with proper gaskets/seals. Work to be completed by Mike Moore & Sons in Spring 2020. Begin scaffold setup in April 2020.	Spring 2020	2020	Matt
	Water Treatment Plant Building Stairs	Stairs at water treatment plant are high priority - Treads have been tap-conned onto the concrete. Structural to review.	Spring 2020	2020	Matt
	Water Treatment Plant Rapid Mixer	It was discussed that the Rapid Mixer does not have a bypass line, therefore if it goes down the plant goes down. Investigate a Bypass line for redundancy and a new mixer.			
MED	Water Treatment Backwash	TULLOCH to prepare a cost estimate and plan to work with PUC to redirect/retreat the backwash flows instead of discharging direct to sanitary.		2020	Chris
MED	Water System Valve Survey & Mapping	TULLOCH to prepare a cost estimate and plan for surveying all visible/known valves within the Town to create a higher accuracy CAD drawing of the water system network.		2020	Chris
HIGH	Water System Modelling	TULLOCH to propose a cost to complete EPANet based model for Town. TULLOCH to talk with PUC to see if they complete flow testing throughout the Town that could be used to calibrate the model.		2020	Chris
HIGH	Water Tower Assessment	Has not been completed in several years. Overdue for review. No set frequency for inspection, however 3-5yrs seems to be the standard. Recommend issuing a tender for assessment in 2020.		2020	Chris
HIGH	Mary Place Water Pressure	Low pressure concerns. Investigate further during water modelling.		2020	Chris
HIGH	PTTW	Expires November 2, 2020. Need to be completed at a minimum of 3 months from expiry date.		2020	Chris
HIGH	Water & Sewer Operations	Current PUC Extension expires December 31, 2020 (to be confirmed by Town). Town to consider further extension due to COVID situation, or to tender.		2020	Chris
	Water Supply Capacity Assessment	Plant rated capacity - 6,000 m ³ /d, max day - 2,271 m ³ /d, max average day - 1,540 m ³ /d. Well Rehab Report showed that total max well supply capacity is currently at 2,333 m ³ /d.	Complete	Q4 2019	Chris
	Well Rehab Recommendation	Provide a letter to the Town confirming Kresin's findings in their report that the wells are failing and another option is required in the near future.	Complete	Q4 2019	Chris
Waste Water Projects					
HIGH	Clarifier Rake Improvements	Rake is installed, Rebuild-it review Dec.11, 2019, 9am. Phoenix to also address toe rail, skimmer brush (seasonal) & automatic solenoid (on order). Warning strobe light (on order), both to be installed in the Spring during pump-down.	Ongoing	2020	Matt
HIGH	Inlet Maintenance Hole Basket & Lift & PLUG	Structural Group finalizing design for lift to suit PUC needs for cleanout. Plug for Intake Line. June tender.	Ongoing	2020	Matt
HIGH	Grindhog Lift & Bar Screen	Plan is to specify the same lift for the grindhog, to allow for order and install both at the same time. June tender	Ongoing	2020	Matt
MED	Extraneous Flows to Sewage Treatment	Town to investigate if there are known areas with combined sanitary and storm sewers and see if we can separate those to decrease demand from sanitary sewer. Can we divert the water treatment plant backwash water? TULLOCH to estimate a rough plant expansion cost to provide to the Town in case expansion is the only/best option.		2020	Chris to Contact CIMA+
	Sewer System MH Survey & Mapping	TULLOCH to prepare a cost estimate and plan for surveying all visible/known maintenance holes within the Town to create a higher accuracy CAD drawing of the sewer system network.		2020	Chris
	Sewage Treatment Plant Outlet Inspection	Outlet has not been inspected in quite some time.			
	Francis Street Storm Sewer Extension	Town would like to explore extending the storm sewer easterly on Francis Street to reduce volume of flow along West Street. TULLOCH to provide a cost estimate for investigations and construction cost estimate.		2020	Chris
	West End Sewer Easement	Town would like to secure an easement at the west end of the sanitary sewer along Causley Street. There may be several other easements to secure for various locations. Details to be discussed with the Town.		2020	Chris
	Sewage Treatment Plant Capacity Assessment	Plant rated capacity - 3,500 m ³ /d, max day - 12,845 m ³ /d, max average day - 2,885 m ³ /d. Need to determine volume of backwash currently going into the sanitary. PUC estimates 25% (344m ³ /d). Town has concerns about capacity.	Complete	Q4 - 2019	Chris

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Structural Projects					
	Asbestos Survey and Management Plan	Needs to be Completed Prior to Demolition of any Town Buildings	Ongoing	2020	Town/Matt/Tyler
	Building Condition Assessment	Architectural, Structural, Mechanical & Electrical, with possible site assessments for ALL Municipal Buildings. Currently completed approximately 98% of exterior reviews. All interior reviews completed. Reports being finalized, estimated mid-May 2020.	Ongoing	2020	Matt/Tyler
	Old Public Works Demolition	ON HOLD due to construction materials present and cost to demolition.	ON HOLD	2020	Matt/Tyler
	Courthouse	Intrusive sampling - completed air quality testing and passed. Tyler is waiting for Service Ontario Rep to contact them. Tyler has reached out to Contractor's for price to clean up upstairs mold (lowest category risk). Spring Cleanup Likely.	Spring 2020 Cleanup	2020	Tyler
	Fire Hall Slab Cracking	Preliminary Report has been submitted to the Town. Recommending exterior drainage to help alleviate exasperation of existing ground conditions. Report to be finalized.	Ongoing	2020	Matt/Tyler
	Intrusive DSS and Demolition Plan for the TIC and Museum	To be determined based on Master Planning exercise.	TBD	2020	Matt/Dan
	Town Backup Generator Review	Town realizes that waiting for new facility may be unrealistic. Proceed with tender for supply and installation.		2020	Town/Chris
	Roof Anchor Reviews	Review anchor points onto the existing building framing to pass onto the manufacturer.	Ongoing	2020	Matt/Dan
	Arena Structural Inspection	TULLOCH to start in the near term.	Ongoing	2020	Matt/Dan
	Public Works Building Roof	TULLOCH to complete inspection at same time as Arena inspection.	Ongoing	2020	Matt/Dan
Funding Applications					
	Green Infrastructure Funding	Apply for work with new water intake OR sewer treatment plant expansion/upgrades. Jan. 22nd 2020 funding deadline. Expansion work may be excluded from funding requirements. Town to confirm with funding agency. If expansion work is excluded, consider replacement of water tower. EXPANSIONS excluded (new intake/water tower). Applied for Huron Street Improvements	Complete	Q1 2020	Chris
Bridges/Culverts/Roadwork					
	Dawsey St. Culvert	Engineering design must be completed for replacement of Dawsey St. Culvert. Katie will let us know if this design work is high priority for the Town for 2020.	ON HOLD	2020	Chris
	OSIM's	2020 OSIM Inspections & Reporting	Ongoing	2020	Matt
Town Development/Planning					
	Facility Master Planning Study	Review of available municipal property or potential land that could be acquired by the Municipality. Report/Drawings, High level cost estimate. Phase 1 Report Preliminary Submission for May 1, 2020.	Ongoing	2020	Kevin/Vanessa
	Feasibility Study/Community Needs Study	Explore funding opportunities, poll for community feedback, determine how best to leverage funding opportunities		2020	Kevin/Vanessa
Landfill					
	Landfill Monitoring	Currently being done by Kresin. Town to decide if they want TULLOCH to take over, or leave with KRESIN.			KRESIN
	Landfill Expansion	KRESIN is completing the EA			KRESIN
	Landfill Operations Concerns	Marshall has completed works with MECP Reviewer	Complete	Q4 2019	Marshall
	Landfill Waste & Recycling	Marshall has completed tenders & contracts for 5yr cycle.	Complete	Q4 2019	Marshall
Other					
HIGH	Boardwalk/Viewing Platform	Options for repairs and rebuilding to be reviewed. Town has a budget of \$20,000 right now to complete the planning.		2020	Matt/Chris