



**MINUTES OF REGULAR COUNCIL MEETING**  
**Thursday, October 21, 2021**

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**ATTENDANCE**

**PRESENT**

MAYOR  
COUNCILORS

Cathy Kotchea  
Julia Capot Blanc  
Colin Woehl

**ABSENT**

DEPUTY MAYOR  
COUNCILORS

Eva Hope  
Kathie Hardisty  
Derwin Kotchea

With Notice  
With Notice  
Without Notice

STAFF Senior Administrative Officer                      John W. McKee

The Chairperson (Mayor) took the chair and called the meeting to order at 7:05 pm.

**ADOPTION OF AGENDA**

Council reviewed the meeting agenda without changes.

**MOTION 2021-101**

That the agenda for the meeting of October 21, 2021, be approved as presented.

Moved:            Colin Woehl  
Seconded:        Julie Capot Blanc  
Carried.

**DECLARATION OF INTEREST**

No conflicts of interests were declared.

**ADOPTION OF MINUTES**

Council reviewed the minutes for the previous meeting and no changes were made.

**MOTION 2021-102**

That the minutes of the meeting of September 16, 2021, be approved as presented.

Moved: Julie Capot Blanc  
Seconded: Colin Woehl  
Carried.

**MUNICIPAL ELECTION**

Councilors reviewed the 2021 Countdown Calendar.

**FOLLOW-UP**

Council reviewed a presentation by Renewal Resources concerning wildfires and the need to protect the community. Options have been difficult to implement as an individual community and are underfunded. The NWTAC has agreed to co-ordinate a multi community approach with a vision for the next eight to ten years. The SAO will participate in an initial conference call October 22, 2021, and report back to council.

**NEW BUSINESS**

**COVID19**

The Fort Liard Council is committed to providing and ensuring a safe workplace for all employees and residents.

In accordance with the safety act council realizes they must take all reasonable practices and safety procedures to ensure the health of all employees.

To prevent the transmission of the Covid19 virus all employees are required to wear masks in the workplace.

Vaccinations are one of the most effective ways to protect our families, communities, and yourselves against Covid19. For this reason, Council will remind all employees to be vaccinated and follow-up with a letter signed by the Mayor.

**COST OF LIVING INCREASE**

The cost of living in the Northwest Territories has increased significantly in the last twelve months and especially in the last few months. Councilors reviewed Inflation Rate Schedules. Council agreed to the administrations recommendation the base wage rates for all employees be increased by one and a half percent (1.5%) effective November 1, 2021.

**MOTION 2021-103**

That a Cost-of-Living Increase of one and a half percent (1.5%) of base wages rates for all employees be approved effective November 1, 2021.

Moved: Colin Woehl  
Seconded: Julie Capot Blanc  
Carried.

**FINANCIAL**

The SAO made a power point presentation of the financial operational statements for the period ending September 30, 2021.

- ✓ Actively collecting overdue accounts - \$615 uncollectable
- ✓ Contribution agreements late
- ✓ \$500 k from last operational surplus to stabilization reserve fund
- ✓ \$267k surplus so far this year
- ✓ Solid waste expense \$38k over revenue collected
- ✓ Rental revenue down over prior years
- ✓ Reviewed expense for each department
- ✓ \$43k from MACA for COVID expenses deposited in emergency fund
- ✓ Noted that Fluid Master and Sage not reconciled - \$3k difference – account set up an issue
- ✓ \$26k spend on waste site this quarter plus an additional \$10k expense in October
- ✓ Water and Sewage fund still in large surplus situation
- ✓ CPI and Gas Tax Funds now reconciled with bank accounts
- ✓ No gas tax expenses so far this year
- ✓ A \$1.5 million difference in CPI values that has developed over prior years. Depreciation not properly recorded.

Council accepted the statements as presented.

**MOTION 2021- 104**

That the financial statements for the period ending September 30,2021 be accepted as presented.

Moved: Julie Capot Blanc  
Seconded: Colin Woehl  
Carried.

**COMMUNITY INFRASTRUCTURE PROJECTS**

Councilors were provided with a Project Brief for each project. The SAO reviewed project details, status, and budgets.

Hay Lake Recreation Area  
Water Plant Access Stairs  
Garage Construction  
Road Drainage  
Road Coating

After discussion projects were approved to proceed.

**MOTION 2021- 105**

That the following revised capital projects be approved to proceed as per the Project Briefs. Hay Lake Recreation Area  
Water Plant Access Stairs  
Garage Construction  
Road Drainage Works  
Road Coating (Chip Seal)

Moved: Colin Woehl  
Seconded: Julie Capot Blanc  
Carried.

**BYLAWS**

**Bylaw 306**

Council reviewed a bylaw to amend Second 58 of the Employment Bylaw. This permits employees to accumulate fifteen (15) days annual leave and increase of five (5) days. The amendment is effective January 1, 2022.  
Council gave Bylaw 306 first reading.

**MOTION 2021-106**

That Bylaw 306 "Employment Bylaw Amendment" receive first reading.

Moved: Julie Capot Blanc  
Seconded: Colin Woehl  
Carried.

Council gave Bylaw 306 second reading.

**MOTION 2021-107**

That Bylaw 306 "Employment Bylaw Amendment" receive second reading.

Moved: Colin Woehl  
Seconded: Julie Capot Blanc  
Carried.

**Bylaw 307**

The Hamlet has no further use for the 2003 Garbage Compactor. Due to its poor condition, it has not sold. Dealer will look for a buyer to purchase for scrap or parts. Council approved the disposal and gave the Bylaw first reading.

**MOTION 2021-108**

That Bylaw 107 "Asset Disposal" receive first reading.

Moved: Colin Woehl  
Seconded: Julie Capot Blanc  
Carried.

Council gave Bylaw 307 second reading.

**MOTION 2021-109**

That Bylaw 107 "Asset Disposal" receive second reading.

Moved: Colin Woehl  
Seconded: Julie Capot Blanc  
Carried.

**Bylaw 308**

Bylaw 308 is an amendment of Schedule "E" of the "Municipal Service Rates Bylaw". This amendment provides conditions for the provision of additional municipal services, hours that services will be provided, and the provision of Emergency Services. Rates are also increased to reflect actual costs. The restrictions are necessary due to the Hamlet's limited capacity to provide extra services. This amendment is effective December 1, 2021.

Council gave Bylaw 308 first reading.

**MOTION 2021-110**

That Bylaw 308 "Municipal Service Rate Amendments" receive first reading.

Moved: Colin Woehl  
Seconded: Julie Capot Blanc  
Carried.

Council gave Bylaw 308 second reading.

**MOTION 2021-111**

That Bylaw 308 "Municipal Service Rate Amendments" receive second reading.

Moved: Jullie Capot Blanc  
Seconded: Colin Woehl  
Carried.

**Bylaw 309**

The Hamlet has a CIBC credit card which is considered a temporary borrowing and must be approved by Bylaw.

Council gave Bylaw 309 first reading.

**MOTION 2021-112**

That Bylaw 309 "Temporary Borrowing 309" receive first reading.

Moved:           Colin Woehl  
Seconded:       Julie Capot Blanc  
Carried.

Council gave Bylaw 309 second reading.

**MOTION 2021-113**

That Bylaw 309 "Temporary Borrowing 309" second reading.

Moved:           Julie Capot Blanc  
Seconded:       Colin Woehl  
Carried.

**POLICIES**

**Uniform and Appearance Policy**

The Uniform and Appearance Policy is intended to identify a Community Safety Officer by site in a distinctive manner and distinguish them from other uniformed officers in the community. To reinforce the professionalism and standing of the *Community Safety Officer* and their role in the community. Council approved the Policy as presented.

**MOTION 2021-114**

That Hamlet Policy "*Uniform and Appearance Policy*" be approved as presented.

Moved:           Julie Capot Blanc  
Seconded:       Colin Woehl  
Carried.

**Complaint Policy Amendment**

The Hamlet Complaint Policy is intended to provide a consistent and uniform process to respond to program and service delivery concerns raised by members of the public. This amendment simplifies the procedures and set time limits for a response. Council approved the Policy as presented.

**MOTION 2021-115**

That Hamlet Policy "*Complaint Policy Amendment*" be approved as presented.

Moved: Julie Capot Blanc  
Seconded: Coli Woehl  
Carried.

**Code of Conduct Policy Amendment**

This amendment is to maintain public confidence by ensuring employees are accountable to the public in a way that is fair to the employee and to members of the Public, as well as in a manner that does not unduly interfere with staff's ability to carry out their duties. Council approved the Policy as presented.

**MOTION 2021-116**

That Hamlet Policy "*Code of Conduct Policy Amendment*" be approved as presented.

Moved: Colin Woehl  
Seconded: Julie Capot Blanc  
Carried.

**REPORTS**

Fire Chief Report – September 2021  
Recreation – September 2021  
Safety Officer – September 2021  
RCMP – September 2021  
National Indigenous Housing Corp

**CORRESPONDENCE**

Council reviewed correspondence -

MACA – SOGC – Council Orientation  
Northern Stores – Update  
MLA – COVID 19 Policy  
GNWT – Infrastructure = Land Use Permit Extension  
MACA – COVID Expense Reimbursement  
MLA – Follow-up re Simpson Crossing during Freeze Up

**NEXT MEETING**

November 19, 2021



**PROJECT BRIEF**  
Hay Lake Recreation Area Retrofit

850103



PROJECT BRIEF  
Page 2 of 4

**PROJECT DESCRIPTION:**

*Replacement and Upgrades to Hay Lake Recreation Area* including replacement of shelters, installation of code compliant outhouses, secure drinking water storage, upgrades to access road, and removal of trees.

**PROJECT OBJECTIVES**

- PROVIDE FOR PROTECTION OF THE ENVIRONMENT
- PROVIDE FOR MAXIMUM UTILIZATION
- PROVIDE FOR LIMITED OVERNIGHT CAMPING
- PROVIDE FOR A REDUCED RISK OF FIRE
- PROVIDE SIGNAGE TO PROMOTE THE AREA AND ITS SERVICES
- PROVIDE FOR A SAFE ENVIRONMENT
- PROVIDE FOR A REDUCTION IN OPERATIONAL COSTS
- AND COMPLY WITH CODE REQUIREMENTS

**BACKGROUND:**

The infrastructure at the Hay Lake Recreation Area is beyond economical repair and requires replacement.

- Infrastructure to be replaced -
- Water/Wood Shelter 12 ft x 30 ft - woodshed
- Campground Shelter 25 ft x 22 ft (560 sq. ft.) - log on concrete slab
- Outhouses (2) Wood frame outhouses
- Tables and grills
- Playground equipment

Leaning and trees in poor condition are dangerous and need to be removed.  
The access road is built on a wet base and is requires upgrading.

**SUBSTANTIATION:**

It is important that the community has an outdoor recreation area that is safe.  
The public restrooms are basic 'outhouses' that and do not meet environmental health standards. The Public Health Officer has expressed concern that the potable water installation is not secure.  
The log shelter has not been maintained and bottom logs and the roof structures are rotting. Repairs to this structure are not cost effective.  
Large trees are leaning or in poor condition and need to be removed. Underbrush creates a fire hazard in the summer months.  
The access road is built on a very wet base and has become soft and do not meet minimum design standards.  
Infrastructure at Hay Lake does not meet current code, design standards, and create a liability for the Hamlet.

PROJECT BRIEF  
Page 3 of 4

**PROJECT DETAILS**

The area will be developed with structures that have a low life cycle cost with a minimum of maintenance. New structures will be steel (zinc epoxy and polyester powder coating) installed on cement pads. They will resist vandalism and have long life cycle.

Public restrooms will be provided that meet environment and code requirements and are handicap accessible.

The road access will be upgraded with an expected life cycle of twenty years. Design and construction will provide for safe year-round access to the area.

Installations include -

- ✓ Two self contained portable toilets (one handicap) in shelter - can be pumped out with vacuum truck
- ✓ Three open air tables and fire pits on concrete pads
- ✓ One shelter 8' x 12' feet with table and grill on concrete pads
- ✓ One shelter 16' x 20' with two tables and grill on concrete pad
- ✓ One camper parking space will be developed
- ✓ Small playground with swing and horizontal bar - slide does not need to be replaced.
- ✓ Small 8-foot sea can will house portable water, so it is secure - exterior tap facility
- ✓ Waste bin installation

Materials will be purchased and delivered to the site by December 2021. Installations will be completed as soon as weather permits in spring 2022.

**Black River Recreation Area**

Upgrades to the Black River recreation area was to be included as part of this project. The Hamlet has been unable to secure land tenure therefore this upgrade will be deferred.

**LAND TENURE**

Lot 1005 Quade 98/3 Plan 1900 - Reserve for the municipality.

Lot 325 LTO 4428 - No land tenure.

**BUDGET:**

TASK/FISCAL YEAR	2021/22	2022/23	2023/24	2024/25	2025/26
Planning	\$ 1,000				
Material Supply	\$140,000*				
Construction		\$ 75,000			
Post Construction			\$ 5,000		
<b>Total</b>	<b>\$ 141,000.</b>	<b>\$75,000</b>	<b>\$ 5,000</b>		

\* Freight is 20% of cost.

PROJECT BRIEF  
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**PROCUREMENT PROCESS:**

Materials would be purchased in a "lot" by invitation tender from an authorized playground equipment supplier. Concrete pads and installation would be completed by a local contractor in connection with other capital projects.

Materials would be ordered in 2021 and erected on site in 2022.

**ONGOING OPERATIONAL COSTS:**

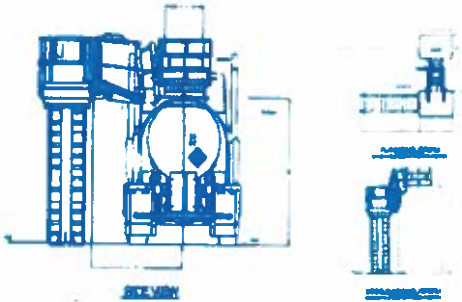
Equipment life cycle costs will be low. Sites will require regular site maintenance such as grass cutting, equipment cleaning, and toilet pump out. All done easily with local work crews.





**PROJECT BRIEF**  
**WATER PLANT – ACCESS STAIRS**

**830411**



**PROJECT DESCRIPTION:**

Installation of Truck Access Stairs at the Water Treatment Plant

**BACKGROUND:**

The WSCC now mandates that safer truck access be installed at the Water Plant Three options are available –

- Rails on the Truck – truck become too high for power line clearance
- Under Truck Filling – easy water contamination
- Truck Access Stairs – most practical while supplying safe access

Aluminum stairs with deep stair treads and rails would enable access to platform at the top. A gangway would enable the driver to access a platform suspended above the truck. Both would have safety cages. Adjustments could be made to suit the truck height.

Modifications will have to be made to the truck fill line and adequate lighting installed.

**SUBSTANTIATION:**

WSCC is making safe truck access mandatory since the death of a water truck driver when he fell from a water truck while refilling.

**LAND TENURE**

Lot 249 LTO 2159 – reserve for the municipality

**PROJECT BRIEF**

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**BUDGET: CPI**

TASK/FISCAL YEAR	2021/22	2022/23	2023/24	2024/25	2025/26
Planning	\$ 25,000				
Construction	\$40,000	\$80,000			
Post Construction			\$2,000		
<b>Total</b>	<b>\$65,000</b>	<b>\$ 80,000</b>	<b>\$2,000</b>		

**PROCUREMENT PROCEDURE**

Public Tender

**ONGOING OPERATIONAL COSTS:**

No costs other than clearing snow and debris from stairs.

**GENERAL SPECIFICATIONS**

**STAIRS**

- ✓ Oversized 11" (279 mm) deep stair treads.
- ✓ Elongated least tread (Operator Tread) to provide a large 22" x 24" (558 mm x 600 mm) working area.
- ✓ Two (2) Oversized 1" diameter solid stainless steel pivot rods with pivoting bushings at all load bearing pivots.
- ✓ High strength spring counterbalance mechanism.
- ✓ Over-travel stops with rubber bumpers.
- ✓ Outboard gangway uprights are 2" x 4" tube.
- ✓ Beze tread uprights with hot dipped galvanized steel construction.
- ✓ Laser layed upright chains to keep chains untangled around foot lock.
- ✓ Five-hundred-pound (226 kg) load capacity

**SAFETY CAGE**

- ✓ 4'-0" (1219 mm) x 6'-0" (1828 mm)
- ✓ Four rails deep (36" / 914 mm) for minimizing gaps to vehicles
- ✓ 1-1/2" and 2-inch Sch 10 Pipe
- ✓ 2" square tubing
- ✓ Applied to resist a load of 50 psf. applied in any direction and a single concentrated load of 200 # applied in any direction
- ✓ Handrails galvanized steel construction
- ✓ Universal Swing Gate
- ✓ Adjustable from 15" to 36" (405mm to 914mm)
- ✓ Adjustable swing direction (right or left-hand swing)
- ✓ Rail mounting adjusts from 19.75" to 38.5" (502mm to 927mm)
- ✓ Perpendicular mounting adjusts from 15" to 33.75" (405 mm to 867mm)
- ✓ Powder-coated Aluminum construction

**STAIR UNIT**

- ✓ 10'-0" (3,200 mm) high stair unit – 2'-6" wide (762 mm)
- ✓ OSHA Compliant 9/9 rise and run
- ✓ 2" square tubing handrail
- ✓ Designed to carry safely removing concentrated load of 1000 #, a concentrated load of 300 # (164 kg) on a 4 sq/ in (101 sq/ mm) area of stair and a uniform load of 100 psf.
- ✓ Galvanized Steel Construction
- ✓ Gate at the bottom of the stairs



**PROJECT BRIEF**  
**GARAGE CONSTRUCTION**

**830407**



**PROJECT DESCRIPTION:**

Construction of a 50 R. x 80 R. Pre-engineered Steel Garage - structural slab on grade.

A pre-engineered steel garage would be constructed at the Municipal Works Yard - Lot 319 LTO 4182 (Bypass Road). Structural steel framed garages are economical, durable, minimal maintenance, and provide open column free spaces. There are reduced foundation requirements from a lighter structure.

The garage would provide heated parking space for the heavy equipment fleet. Contract vehicle equipment and facility maintenance operations would be consolidated from this facility.

**BACKGROUND:**

Construction of additional garage space has been identified for six years and never constructed.

The Hamlet has one wood frame heated six-bay parking garage located at 322 Valley Main Street. The original three bays were constructed in 1997. Three more bays were added in 2007. The gross area is 6,240 square feet. This building was designed for parking for four water and sewage trucks, a waste compactor, and a dump truck. The facility has a staff room and a 1,040 square foot mezzanine storage area. Electrical service is only 100 amp. It is noted that all trucks have increased in size since the garage was designed. A new loader was purchased in 2021 and is also much larger and will no longer fit in this garage.

This building serves the purpose for which it was designed and with regular maintenance should achieve a useful life of fifty years. Replacement cost for this garage is \$3,000,000 (2017).

The Hamlet heavy equipment, loader, grader, and backhoe are stored outside making winter operations difficult. This fleet of heavy equipment is essential for the provision of basic essential services and maintenance. When mechanics maintain equipment, they must move a service vehicle outside.

Facility maintenance staff work from this garage with no specific area.

**PROJECT BRIEF**

Page 2 of 4

A twenty-four hundred square foot steel pre-engineered cold storage garage was constructed at the municipal works yard in 2013. Replacement cost for this warehouse is 305,000 (2017).

**SUBSTANTIATION:**

The Hamlet requires space to park the heavy equipment fleet and a designated area for facility and mechanical maintenance operations. This project is considered essential so that the hamlet can provide basic municipal services, environmental health services and maintain facilities so that they can achieve the full useful life of all of which are a prime objective of the municipal government.

In the event of a catastrophic loss of the parking garage and equipment the hamlet would be able to lease service vehicles and have heated parking space in the new garage. The objective would be to resume full basic services within two days.

Working conditions are not adequate and unsafe. WSCC has identified several noncompliant conditions. This has become very evident with COVID-19.

**GENERAL BUILDING SPECIFICATIONS**

The objective would be to achieve a minimum capital cost consistent with lowest life cycle cost and provide ongoing economical service. The planning and layout of the building will provide for heavy equipment/parking, ample space for equipment and facility maintenance staff, sufficient storage for tools and spare parts and convenient access to mechanical and electrical components. The building will allow for expansion as simply and fast as possible.

In interest of maintenance equipment will be compatible with existing systems. And incorporate technology for local resources. Installations will be designed to facilitate quick repairs.

The heating, ventilation will be designed to be dependable for local weather conditions. Air quality must meet reasonable standards for basic worker needs. Heating will provide the best occupant comfort with efficient mechanical systems.

Energy efficiency is of prime importance but must strike a balance between the ability to build and maintain easily. Operational efficiency is the post construction goal.

Fire systems will ensure occupants alerted and can stop localized fires quickly with systems dependable as simple as possible

Lighting will be adequate for visual tasks to be performed and incorporate energy efficient fixtures. Flood lights at the building access will provide for safety and security. Emergency lights will be required for safety and if necessary, repairs. There will be connections for emergency generators.

Water Sewage Systems – meet NWT health standards – and extra water to wash vehicles

WiFi Service – necessary for modern equipment maintenance technology.

**SPACIAL REQUIREMENTS**  
**EQUIPMENT BAYS**

Two equipment bays approximately 50 feet long x 15 feet wide

- 1 for 2012 Caterpillar 140 M Motor grader
- 1 for 2012 Caterpillar 430E Backhoe/Loader
- 1 for 2021 Caterpillar 930M Wheel Loader

- Each bay to have –
- adequate lighting for maintenance
  - grease/soil resistant floor finish
  - Bump pits
  - adjustable heat able to be lowered when no maintenance in progress
  - days do not need to accommodate track equipment
  - ventilation
  - metal wall finishes

**OFFICE**

- Approximately one hundred square feet
- Secure access
- Lighting suitable for detailed computer work
- Suitable floor finish for work boots and easy to keep clean

**UTILITY ROOM**

- Sufficient size to provide adequate space for equipment
- Layout must provide convenient access for repairs

**MAINTANCE SHOP**

- Approximately six hundred square feet of open space
- Ten feet high
- Metal protection on walls
- Dust control ventilation system
- Oil/grease resistant flooring
- Sixteen-foot x seven high overhead door access
- Sufficient electrical outlets to conveniently plug in small maintenance tools

**WASHROOM**

- Toilet, sink, shower, storage for supplies
- Ceramic tiled walls
- Easy to keep clean
- Adequate ventilation

**STAFF ROOM**

- Approximately four hundred square feet – six employees

- Space will be employee lockers, coffee table area, counter area with over stove microwave, dishwasher, sink, refrigerator, and storage cabinets.
- Counters and cupboards must durable and be easy to clean eg. tile backsplash, heat, and scratch resistant counter tops
- Easy to clean floors suitable for heavy work boots.

**PROJECT**

Dillon Consulting have been contracted to provide engineering services for this project. They will provide capital cost estimates and prepare and evaluate a design build proposal that would see construction of the garage in the summer of 2022.

NWT Power Corporation will evaluate, cost, and construct a three-phase power line to the site. Line clearing will be completed during the late fall 2021 and the line constructed May-June 2021.

A geotechnical investigation of the site was completed in the summer of 2021 provided a geotechnical appraisal and recommendation. The site is suitable for construction of the garage proposed.

**ONGOING OPERATIONAL COSTS:**

The building structure should require little maintenance and the ongoing costs would be for fuel, electricity, and maintenance services.

**BUDGET: CPI**

TASK/FISCAL YEAR	2021/22	2022/23	2023/24	2024/25	2025/26
Planning	\$ 10,000				
Geotech	\$ 50,000				
Construction		\$ 1,000,000			
Engineering		\$ 50,000			
Powerline		\$ 150,000			
Post Construction			\$ 10,000		
Furnishings					
<b>Total</b>	<b>\$ 60,000</b>	<b>\$ 1,060,000</b>	<b>\$ 10,000</b>		



**PROJECT BRIEF**  
**ROAD DRAINAGE BASE WORKS 840404**

**PROJECT DESCRIPTION:**

Road base work, stabilization, and drainage Birch Street in two areas. Total Distance - 225 meters

Engineers will conduct a site assessment and provide specific details of work required to ensure drainage facilities work adequately and maintenance costs can be reduced.

**BACKGROUND:**

The first section has sub surface water, and the asphalt is always breaking up and requiring expensive repairs.

The elevation of the second section slopes from the airport reserve down towards this section of road. The elevation of the Liard access road is higher, and water drains south towards this section of road. The elevation of the roadbed needs to be raised to an elevation of 214 to ensure adequate drainage. A fabric layer will reinforce the soil by adding tensile strength to it and creating a rapid de-watering layer in the roadbed.

If chip seal is to be applied to this section of road it is essential that drainage facilities work effectively. If they do not edges will break, and potholes will form.

**SUBSTANTIATION**

The most crucial step of a gravel road construction is associated to drainage. Roads that allow water to properly drain off the surface and out of roadbed soils are much easier to maintain and therefore less costly. Conversely, gravel roadways with poor drainage can never fully be maintained. Roads must be built on a strong subbase.

Community roads must be safe, meet engineering standards, and cost effective to maintain. It is expected that roads would have a life cycle of twenty years.

Roads must be able to withstand the heavy municipal surface vehicles continually turning and exiting customer driveways.

**Section 1**

The surface of this area continually breaks up and must be repaired. Resulting potholes may create vehicle damage. Undercutting will be necessary as the soil is weak and must be excavated and replaced. A fabric covering may be applied. Resurfacing will be completed when the Hamlet streets are resurfaced.



**Section 2**

The elevation of this area needs to be increased, and adequate drainage works constructed to remove the water from the road and its surroundings. Driveway culverts will require replacement.



Resurfacing will be completed when the Hamlet streets are resurfaced.

**LAND TENURE**

Public Road Plan 3621 (Commissioner's Lands)

**PROCUREMENT PROCEDURE**

Planning Engineering – Invitational Tender

Construction – Invitational Tender

**BUDGET: CPI**

TASK/FISCAL YEAR	2021/22	2022/23	2023/24	2024/25	2025/26
Planning/Design	\$ 50,000.00				
Construction		\$ 100,000.00	\$ 50,000		
Post Construction				\$ 25,000	
<b>Total</b>	<b>\$60,000.00</b>	<b>\$ 100,000.00</b>	<b>\$60,000.00</b>	<b>\$ 25,000</b>	

**ONGOING MAINTENANCE COSTS:**

Correcting drainage problems and with a proper base for chip seal ongoing maintenance costs would be lower.



## PROJECT BRIEF

ASPHALTIC ROAD RESURFACING – CHIP SEAL **840407**



### PROJECT DESCRIPTION:

Chip seal Hamlet Streets and Lanes. Place one more coat on Valley Main Street and Blackwater River Road chip sealed surface. Place two coats on Birch Street and two coats on Birch Street where repairs are made and there have been elevation changes. Roads not yet sealed will require two coatings.

ROADLANE	Total Meters	One Coat Meters	Two Coats Meters
Road – 6-meter width	6,300	4,860	3,660
Lane – 6-meter width	1,210		1,210

### BACKGROUND:

Chip sealing is a process of covering a gravel road with a layer of liquid asphalt and then a layer of small rocks embedded in the asphalt. The purpose of this procedure is to extend the useful life of the road by providing a wearing course. Chip sealing is a cost-effective procedure that prevents water from penetrating the road surface, improves skid resistance and suppresses road dust. Chip seal projects typically last seven to ten years.

It is important that drainage from the surface and beyond be away from the surface area. Poor drainage will cause deterioration of the edges and the surface as the services vehicles enter and exit driveways. A poor subgrade will allow water to seep inside the surface forming potholes. Drainage works must work effectively.

### PROJECT BRIEF

Page 2 of 2

Most roads have been treated with at least one coat. Exceptions are the 6-meter lanes and approximately 200 meters of Birch Street.

In the past chip seal has been applied in conjunction with sealing of MWT Highway 7. This reduces mobilization costs.

### SUBSTANTIATION:

Chip seal or seal coats are a cost-effective maintenance treatment for gravel roads. This treatment also controls dust.

Resurfacing roads that already have an application of chip seal will extend their life cycle and reduce costs. Roads not yet surfaced will benefit from dust control and approved drainage.

### LAND TENURE:

Public roads and lanes (Commissioner's Land)

### BUDGET: Gas Tax/Small Community

TASK/FISCAL YEAR	2021/22	2022/23	2023/24	2024/25	2025/26
Planning					
Construction			\$ 800,000 *		
Post Construction				\$ 5,000	
<b>Total</b>			<b>\$800,000</b>	<b>\$ 5,000</b>	

\* This does not include increased mobilization cost if project cannot be completed with road sealing on highway 7. Project Estimate to \$ 1.5 million

### PROCUREMENT PROCEDURE:

Project will be sole sourced so work can be completed on conjunction with GNWT to reduce mobilization costs.

### ONGOING OPERATIONAL COSTS:

No increased costs. Breaks can occur from water, frost, or vehicle damage. Breaks in the road surface will require sealing as required to prevent water penetration to the roadbed.

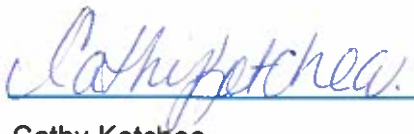
**ADJOURNMENT**

**MOTION 2021-117**

That the meeting of October 21, 2021, be adjourned.

Moved: Colin Woehl  
Seconded: Julie Capot Blanc  
Carried.

The meeting adjourned at 8:35 pm.



Cathy Kotchea  
Mayor

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John W. McKee  
Senior Administrative Officer