



MEMORANDUM

FROM: Administration
TO: Public Works Committee
SUBJECT: Public Works Committee Meeting

A meeting of the Public Works Committee will be held on:

Monday, July 5, 2021

Immediately following the Planning Committee Meeting

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AGENDA

1. Call to Order
2. Adopt Agenda
3. Public Works Carryforward Action List
4. Public Works Director's Report
5. Hamlet Construction
6. South-Central Corman Park Groundwater Monitoring
7. Adjourn

Public Works Carryforward Action List - CURRENT

<p>June 3, 2019</p>	<p>Highway #12 Turning Lane</p>	<ul style="list-style-type: none"> • At the June 3, 2019 Committee meeting, Council reviewed safety concerns raised which included increased traffic movement and issues with people attempting to enter Hwy #12 from Lutheran Road (Twp Rd 384) northbound at peak times during the day. Administration to request MHI consider constructing turning lanes onto Hwy 12 from Lutheran Rd northbound. • June 18, 2019 – Letter sent to MHI requesting construction of turning lanes. • June 19, 2019 –Ministry response - MHI currently undertaking a review of this intersection to identify any further improvements that can be prioritized with other safety projects in the province, including a northbound acceleration lane. Awaiting Ministry response once assessment is complete. • December 3, 2019 – MHI has completed their safety assessment, and have now hired a consultant to complete a more in-depth review in identifying alternative safety solutions to the current situation. • February 26, 2020 - MHI is in the process of having the consultant prepare a detailed design of the recommendation and preparation of a tender package, for construction. At this time, MHI will be asking for the study to be complete by September 2020, design by December 2020 and Tender in spring of 2021. This will only be planned for construction when funding becomes available from the provincial budget for that year.
<p>February 24, 2020</p>	<p>Street Light Installation</p>	<ul style="list-style-type: none"> • February 24, 2020 - Administration to provide information regarding installation of streetlights at the intersection of Twp Rd 374 and Capital Circle. • June 8, 2020 – Administration to obtain quotes for street light installation. • August 17, 2020 – Council Item. Item deferred to a future meeting pending information on potential SGI Safety Fund grant intake dates. • August 18, 2020 – Will apply for project funding in the next round of SGI Safety Fund grant intakes which closes September 24, 2020. • September 14, 2020 – Street light Option #2 was selected to move ahead. • September 24, 2020 – Application for funding submitted. • January 11, 2021 – Committee Item. • January 13, 2021 – PSE Grant funding for Twp Rd 374 & Capital Circle Street Light installation denied. <ul style="list-style-type: none"> ○ Administration to re-apply for funding at next intake session which is open until 4:30 pm March 31, 2021. ○ January 20, 2021- Administration re-applied for funding. ○ March 31, 2021 – intake applications closed. ○ April 16, 2021 – Administration informed that announcement of funding awards will be June 30, 2021.

Public Works Carryforward Action List - CURRENT

May 17, 2021	Twp. Rd 390 & Hwy #305-02 Jurisdictional Transfer	<ul style="list-style-type: none">• May 17, 2021 meeting, Council was presented with an overlay proposal from the Ministry of Highways regarding the ownership transfer of existing Twp. Rd 390 and Hwy 305-02 to the R.M. of Corman Park. As per Council direction, Administration has continued negotiations on this matter.• MHI has spoken with both the Towns of Dalmeny and Langham. Currently the towns are awaiting a decision from MHI in regards to this matter.• June 22, 2021 - Administration sent a letter to MHI. A Deadline of July 31, 2021 has been set for the R.M. to negotiate an agreement with the Town of Dalmeny and notify MHI.
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July 5th, 2021

PW DIRECTORS REPORT

COPY

CAPITAL PROJECTS

ST203445 (Paving TWP RD 350 & TWP RD 374)

- 1- Resolution and evaluation measures are still being contemplated.

ST213442 (Gravel Crushing & Spreading)

- 1- The contractor has commenced gravelling segments. Liquidated damages take effect July 15th, 2021.

ST213443 (Clarence Ave Paving)

- 1- Construction is scheduled to begin Monday July 5th, 2021.

ST213444 (EMC² TWP RD 374 from RR 3064 – RR 3070)

- 1- Cost estimates are being created and evaluated to contemplate options and solutions.
- 2- Consultation with an alternative supplier, the R.M. and the Consultant on the project is underway to continue researching a subgrade strengthened strategy resulting in approximately \$50, 000.00 less per mile in product alone. If decided upon, the project can continue as planned this season. The costs savings could also account within the budgeted figures available to also rectify the previous 2 miles of compromised road resulting from the pre-existing failure.
- 3- If decided to proceed with this alternative, the project can be carried-out this season on scope and with minor schedule implications as previously planned.
- 4- Alternative options currently being derived could provide different considerations in choosing how to proceed with the segment of road and the eventual paving business case.

ST213445 (Rock Mulching)

- 1- The Contractor is expected to give a construction timeline this week. Liquidated damaged take effect July 31st, 2021.

OPERATIONAL PROJECTS

IN HOUSE SEAL COATING

Tentative next week start date

- 1- RR 3062 from Merrill School RD TWP 354 to Hamlet Merrill Hills (0.7 miles)
- 2- Merrill School RD TWP 354 from RR 3061 to RR 3062 (1 mile)
- 3- TWP 362 from RR 3063 to Western Boundary of Cedar Villa (0.6 mile)
- 4- Old 305 from Warman city limits to new 305
- 5- Old Dalmeny Access btw HWY 16 and HWY 305 – 3 segments (1.6 miles)
- 6- Old HWY 684 access to HWY 16 (0.9 miles)
- 7- Clarence Ave RR 3053 from city limits to Grasswood RD TWP 360 (1.6 miles)
- 8- Internal roads of Hidden Ridge Estates (2.3 miles)

SB90

Tentative 3rd week of July timeline

- 1- Ashwood Estates
- 2- Swytik Lane – Grasswood South
- 3- Betker Road (RR 3040) from HWY 5 to north boundary of Discovery Ridge (1 mile).
- 4- Internal roads of Discovery Ridge

IN HOUSE CONSTRUCTION

- 1- TWP 374 BTW RR 3044 & RR 3043
 - a. Construction operations are underway. Progress is tracking to a tentative 3 week completion timeline.
- 2- 401 BTW RR 3044 & RR 3043
- 3- TWP 382 BTW 3070 & RR 3071
- 4- Gravelock Stabilization
 - a. The segment of road that has been identified is the mile on RR 3074 (Langham Grid) from the intersection of RR 3074 & TWP RD 392 southbound there-from.
 - b. Tentative fourth week of July timeline.

OTHER

- 1- Crack Sealing
 - a. Set to start tomorrow.
- 2- Road Patching (hot patching)
 - a. Started as of May 3rd, 2021.
 - b. Stops during operational seal-coating and resumes afterwards.
- 3- Mowing
 - a. Starting at full capacity this week.
- 4- Dust Control

- a. The policy locations and haul road locations are believed to be complete.
 - b. Second or next rounds of dust control applications will be as needed or determined.
- 5- Line Painting
- a. Clarence Ave is scheduled to be painted immediately following construction completion.
 - b. Will likely commence in late August.
- 6- Graveling Program
- a. Graveling program progress is within the 90% ranges.

HAMLET CONSIDERATIONS/PROJECTS

- 1- Discovery Ridge: SB-90 application on internal roads.
- 2- Merrill Hills: Seal-Coat internal roads.
- 3- Furdale: Seal-Coat internal roads.
- 4- Cedar Villa: CRF application on internal roads.

WATER & WASTEWATER FACILITIES/COMPLIANCE

- 1- Water compliance requirements, monitoring and testing is being carried-out by designated personnel. No concerns or items have been advised to report on.

EQUIPMENT

- 1- The receipt of both graders purchased are now set for a late July timeline. The supplier is rumored to be providing an additional rental at no cost until the delivery of the purchased equipment.
- 2- The funds from the auction sale of the 2 graders sent to Ritchie Bros the first week of July have been received amounting in \$162 750.00

SUBDIVISIONS

- 1- Ravenswood
 - a. Evaluation of the required criteria to determine the final infrastructure, agreement and costs implications is in progress. This item is being treated as a priority in effort to satisfy the expedition of the request in the hopes of the applicant entering into a service agreement and construction operations.

OCCUPATIONAL HEALTH & SAFETY/PERSONNEL/STAFFING

- N/A

MISCELLANEOUS

- R.M. Boundary Signs are completed
- Civic Addressing sign installation are in progress

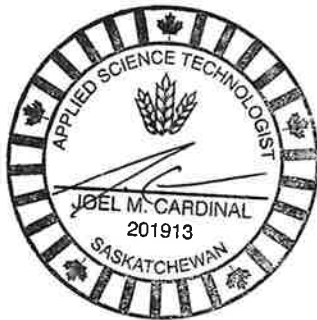
SUMMARY

- The construction season and volume of work and requests are taking full swing as expected. Public Works is focused on monitoring and tracking the designated items targeted as a priority.

APPENDICES

- CBR Values for TWP 374 E-mail Correspondence

Respectfully Submitted:



Joel Cardinal, A.Sc.T., PMP, CPT

Director of Public Works

R.M. of Corman Park No. 344



Public Works Committee Item

July 5, 2021

Reeve and Councillors

2021 Hamlet Construction

Background:

The 2021 construction season scope of work coordinated for Hamlet's within the R.M. of Corman Park has been planned. The projects currently set for this construction season by Hamlets is currently as follows; please note that some of this information can still be subject to variance depending on some final circumstances:

Cedar Villa

- CRF Application (Preservative Sand Seal), approximate range of \$40,000 plus taxes

June 30th, 2021 Reserve Balance = \$45,714

Furdale

- Seal Coating of Identified Segments, approximate range of \$75,000 plus taxes

June 30th, 2021 Reserve Balance = \$244,925

Merrill Hills

- Seal Coating of Internal Roads, approximate range of \$60,000 plus taxes

June 30th, 2021 Reserve Balance = \$122,530

Discovery Ridge

- SB-90 Application of Internal Roads, approximate range of \$80,000 plus taxes

June 30th, 2021 Reserve Balance = \$168,616

See attached quotes

Recommendation:

That Council consider the information presented and determine a course of action.



Proposal for

Rm of Corman Park

Furdale Chip Seal

Jun-15-2021

Quoted by:
James Read
Sales Manager
4036712886

Quote expires on: Jul-25-2021

Commercial in Confidence
©2019 Read on Roads Inc.



Attention: Joel Cardinal

2021 ASPHALT SEAL PRICING QUOTE

Read on Roads Inc. is pleased to quote the following prices for 2021 HF-250 Asphalt Seal:

Supply and Apply

Product: HF-250
Aggregate: 12.5 mm Chip
Estimated Project KM: 2.3

Pricing

\$ 3.93 / m²

Total Area: 19283.00

Total Price: \$75782.19

*Price includes product, freight, application, brooming and supervision.

*Standby: Nurse trucks will be charged out at \$160/hour and rain days including freight paid by customer

*Goods and Services Tax: Extra

*Terms and Conditions: Net 30 Days

Additional Information: Total price for chip sealing Furdale. Price is for a single application of chip seal.

A typical analysis and SDS is available for HF-250

If you have any questions, please call me at 4036712886

A handwritten signature in black ink, appearing to be "J. Read", written in a cursive style.

James Read
Sales Manager

TERMS AND CONDITIONS

Read on Roads is in good standing with WCB and carries \$10,000,000 liability insurance

- 1. Customer is responsible for notice to the public.
- 2. All signed quotes are final.
- 3. All Invoices will be emailed to the customer after job completion.
- 4. By Signing this quote the customer hereby agrees to pay READ ON ROADS INCORPORATED the amount as per this quote within 30 days of the invoice date.
- 5. All customers are responsible for product testing to determine quality and environmental compliance.

Please Email the signed price quote to your Read on Roads Representative as Acceptance (sign below):

X _____
Authorized Signature

Name: _____

Title: _____

Date: _____

PO #: _____

GST No: 812 005 973

Remote Signature:



Proposal for

Rm of Corman Park

Single Chip Seal Merrill Hills

Jun-15-2021

Quoted by:
James Read
Sales Manager
4036712886

Quote expires on: Jul-15-2021

Commercial in Confidence
©2019 Read on Roads Inc.



Attention: Joel Cardinal

2021 ASPHALT SEAL PRICING QUOTE

Read on Roads Inc. is pleased to quote the following prices for 2021 HF-150 Asphalt Seal:

Supply and Apply @ Merrill Hills

Product: HF-150

Aggregate: 12.5 mm Chip (Type 117)

Estimated Project KM: 4.0

Pricing

\$ 3.75 / m²

Total Area: 15365.00

Total Price: \$57618.75

*Price includes product, freight, application, brooming and supervision.

*Goods and Services Tax: Extra

*Terms and Conditions: Net 30 Days

Additional Information: Total price for chip sealing Merrill Hills. Price is for a single application of chip seal.

A typical analysis and SDS is available for HF-150

If you have any questions, please call me at 4036712886

A handwritten signature in black ink, appearing to be "JR" or "James Read", written in a cursive style.

James Read
Sales Manager

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Please Email the signed price quote to your Read on Roads Representative as Acceptance (sign below):

x _____
Authorized Signature

Name: _____

Title: _____

Date: _____

PO #: _____

GST No: 812 005 973

Remote Signature:



Proposal for

Rm of Corman Park

Cedar Villa CRF Sand Seal

Jun-15-2021

Quoted by:
James Read
Sales Manager
4036712886

Quote expires on: Jul-28-2021

Commercial in Confidence
©2019 Read on Roads Inc.



Attention: Joel Cardinal

2021 ASPHALT SEAL PRICING QUOTE

Read on Roads Inc. is pleased to quote the following prices for 2021 CRF Asphalt Seal:

Supply and Apply

Product: CRF
Aggregate: Sand
Estimated Project KM: 2.0

Pricing

\$ 2.05 / m²
Total Area: 19460.00
Total Price: \$39893.00

*Price includes product, freight, application, brooming and supervision.

*Standby: Nurse trucks will be charged out at \$160/hour and rain days including freight paid by customer

*Goods and Services Tax: Extra

*Terms and Conditions: Net 30 Days

Additional Information: Application rate is 0.55L/sqm. Dilution rate of 2:1 for applications on asphalt or chip seal.

A typical analysis and SDS is available for CRF

If you have any questions, please call me at 4036712886

A handwritten signature in black ink, appearing to be "JR" or "James Read", written in a cursive style.

James Read
Sales Manager

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5. All customers are responsible for product testing to determine quality and environmental compliance.

Please Email the signed price quote to your Read on Roads Representative as Acceptance (sign below):

X _____
Authorized Signature

Name: _____

Title: _____

Date: _____

PO #: _____

GST No: 812 005 973

Remote Signature:

From: [Joel Cardinal](#)
To: [Ed & Kathleen Underwood](#)
Cc: [Craig Clements](#)
Subject: Discovery Ridge Internal Roads
Date: Friday, May 21, 2021 9:27:00 AM

Good Morning,

As previously discussed and based on criteria and considerations mentioned to date, the derived cost-estimate resulted in a range of \$70,000.00 with a variance of 15% up or down to do the internal roads of discovery ridge. This estimate includes the cost of the SB-90 product, the applicable gravel, fore-seen/estimated contractor costs and P.S.T. As for the maintenance requirements of the product, the R.M. has no intimate knowledge in how the product performs on a long term basis and so if you wish to get further information about this I would re-direct you to Dwain Sands the supplier, his telephone number is as follows: 1-587-877-2323. As for Betker road, we have been in contact on an agile basis throughout the developments to date so you are privy to the same information as I have at the moment. When a final decision is made on Betker Road, the R.M. will notify you accordingly.

Thank you.

Joel Cardinal, A.Sc.T., PMP, CPT
Director of Public Works



R.M. of Corman Park
Phone- (306) 975-1669
Fax- (306) 242 6965
Email- jcardinal@rmcormanpark.ca



Public Works Committee Item

July 5, 2021

Reeve and Councillors

South-Central Corman Park Groundwater Monitoring

Background:

At the June 7th, 2021 Committee Meeting, Council directed administration to contact the Water Security Agency and enquire about the status of ground water quality, volumes and monitoring within the south-central vicinity of Corman Park.

The Director of Public Works contacted the Senior Hydrogeologist – Groundwater with WSA and forwarded the enquiry. The following information was retained from the conversations:

- Domestic/Residential Uses do not require an application to drill a well or a correlating license to source the water; All commercial, industrial and high volume anticipated uses are subject to apply for an application and applicable licence
- Currently WSA has no monitoring locations within the general area of the specified subject area
- Some preliminary observations of the available material and data collected by WSA suggest that the comprised aquifer within the subject area is of a sand based, lower volume composition
- Given the intensification and increased density of the development occurring within the subject area, WSA is of the preliminary opinion to invite and collaborate with the R.M. some form of a proposal to conduct appropriate or regular occurring monitoring

Recommendation:

That Council consider the information presented and advise accordingly.