Associated Engineering | GLOBAL PERSPECTIVE. LOCAL FOCUS.

PROGRESS REPORT

Client:	Resort Village of Elk Ridge	Date:	June 16, 2025
Client Contact:	Michele Bonneau	Report No.:	05
Project Name:	WTP Upgrades	Report Period:	May 20, 2025 to June 17, 2025
Project No.:	2024-4199		

1 WORK COMPLETED

This report period Associated Engineering (AE) has completed the following:

- WTP Upgrades
  - Continued Preliminary Design.
  - Requested and received additional water quality sampling and testing to inform UV Reactor design.
  - Contacted Beckie Hydrogeologists Ltd. to discuss Council's questions related to the discrepancies BHL's 2014 Replacement Well Construction Project report and their 2024 proposal. Provided June 10, 2025 email (attached) to respond to Council's questions and propose a go-forward plan.
- Wastewater System Assessment
  - Commenced desktop assessment of wastewater systems.
- Roadway Repairs
  - Met on-site with Precision Asphalt to review asphalt failures on Arne Petersen Way.
  - Obtained quotation from Precision Asphalt (attached) for $17,146.50 + tax. Precision Asphalt is anticipated to be in Elk Ridge completing other work within the next 1 to 2 weeks.

2 WORK IN PROGRESS

Work in progress for AE include the following:

- WTP Upgrades
  - Continuing preparation of the Preliminary Design Report.
  - Awaiting updated UV Rector vendor information based on recent quarter quality analysis results.
- Wastewater System Assessment
  - Continuing preparation of the Wastewater Systems Assessment Report.
- Roadway Repairs
  - Continuing to assist Resort Village of Elk Ridge with contractor procurement.

3 ANTICIPATED WORK

The following work is anticipated:

- WTP Upgrades
  - Submit a draft version of the Preliminary Design Report for review. Submission of the draft Preliminary Design Report is tentatively scheduled for July 9, 2025, contingent upon:
    1. Receipt of information from UV Rector vendors.
    2. Resort Village of Elk Ridge's decision on well improvements. The selected approach for upgrading the wells will directly impact the electrical design for the WTP, which may have residual impacts on the mechanical and structural portions of the design.
  - Meet with the Resort Village of Elk Ridge to review the draft Preliminary Design Report.
  - Submit a finalized version of the Preliminary Design Report to incorporate review comments from the Resort Village of Elk Ridge.

- Wastewater System Assessment
  - Complete and submit a Wastewater Systems Assessment Report.
  - Prepare CHIF application on behalf of the Resort Village of Elk Ridge.
- Roadway Repairs
  - Assist Resort Village of Elk Ridge with administering construction contract.

4 ISSUES, COMMENTS, CONCERNS

- WTP Upgrades
  - Direction on well improvements required. See comments above in Section 3.
- Wastewater System Assessment
  - Signed scope change required. See comments below in Section 5.
  - Additional info required from the Resort Village of Elk Ridge on Sewage Pumping Station No. 2.
- Roadway Repairs
  - Direction for engineering services required. See comments below in Section 5.
  - Direction on Precision Asphalt quotation required.

5 SCOPE CHANGES IN THE WORK

- WTP Upgrades
  - Scope Change No. 1 – Waster Systems Assessment
    - This scope change was approved at the May 20, 2025 Council Meeting. AE requests the Resort Village of Elk Ridge return a signed copy of Scope Change No. 1 at their earliest convenience.
  - Pending Scope Change – Well Improvements
    - If desired by Council, AE will submit a scope change to engage the services of Beckie Hydrogeologists Ltd.
- Roadway Repairs
  - Following discussions at the May 20, 2025 Council Meeting, AE has submitted a revised proposal (attached) for Council's consideration. The proposal has been updated to include engineering services related to immediate asphalt repairs, in addition to conducting a roadways assessment.
  - If the proposal is accepted by the Resort Village of Elk Ridge, AE will require a signed copy. In addition, AE will require direction from the Resort Village of Elk Ridge on the preferred method for establishing a contract. Options include:
    - Execute a new Engineering Agreement, separate from the WTP Upgrades project, or
    - Add the roadways works to the existing WTP Upgrades project (no additional agreement required).

Prepared by: Josh Yohnke, P.Tech.

Title: Project Manager

Joshua Yohnke

From: Joshua Yohnke
Sent: June 6, 2025 11:02 AM
To: 'Resort Village of Elk Ridge'
Cc: manager@elkridgeutility.ca; 'Elk Ridge Utility Manager'; Shea Allison
Subject: RE: Elkridge - Water Wells

Hi Michele,

In follow-up to the last Council meeting, I have contacted Beckie Hydrogeologists Ltd. (BHL) to discuss Council's questions related to the discrepancies BHL's 2014 Replacement Well Construction Project report and their 2024 proposal. As identified at the meeting, the 2014 report stated the following:

> With well PW6-2011 shut off and assuming that the static water level in the developed aquifer remains stable and that the well efficiency is maintained through regular and effective rehabilitation work, it is estimated that well PW7-2014 is capable of a maximum day (intermittent) pumping rate 0.265 cubic metres per minute, which is the same rate as that previously recommended by BHL for well PW6-2011. The recommended individual maximum day well(s) capacities exceed the Elk Ridge Utility's estimated maximum day raw water requirement of 0.139 cubic metres per minute.
>
> PW7-2014 was designed, located and constructed to provide redundancy to existing well PW6-2011, but not to be operated simultaneously with well PW6-2011.

Conversely, BHL's 2024 proposal stated the following:

> It is understood that the Utility currently requires a maximum day (intermittent) well(s) pumping rate of + 6.05 L/s (80 igpm). Simultaneous well(s) pumping could be implemented if the individual capacity of the proposed or the existing wells is less than 6.05 L/s and/or if a higher well(s) pumping rate is required at a future date. Provided that the work outlined in items 6) and 9) above is completed as proposed, the Utility would have 3 operational wells and any 2 of the wells could then be pumped simultaneously to supply the water requirements and the third well would provide redundancy; the operating and the redundant wells could be alternated as required.

In addition, to the above, initial conversations with BHL suggested that wells PW6-2011 and PW7-2014 could theoretically operate simultaneously at ~9.7 L/s.

Council's specific concerns were related to the discrepancies in maximum day pumping capacities, simultaneous well operation, and well/aquifer sustainability. The questions posed to BHL and their subsequent answers are as follows:

1. Is it feasible and sustainable for the maximum day pump rate of wells PW6-2011 and PW7-2014 to be increased from 0.265 m3/m (4.4 L/s) to 6.7 L/s (projected 2050 maximum day raw water demand)?

   The recommended maximum day pumping rate(s) of 0.265 m3/min (4.42 L/s) for wells PW6-2011 and PW7-2014 was based on Elk Ridge's maximum day raw water requirements at the time of well(s) construction, plus a buffer to allow for future growth. As such, it is theoretically possible to increase

the maximum day raw water pump rate to 6.7 L/s. It is important to understand that actual pumping rates may vary from what is theoretically possible. Key factors and considerations include:

- The average day capacity of the aquifer is currently unknown
    - The 2011 and 2014 well(s) construction projects directed by Beckie did not include an assessment of the developed aquifer, so the average day capacity of the aquifer is currently unknown. Beckie previously recommended that an aquifer monitoring program be implemented by Elk Ridge. Hydrogeologic assessment of the information compiled from such a program over time would allow the average day capacity of the developed aquifer to be evaluated. Beckie prepared a proposal to assist Elkridge with the design and implementation of a monitoring program, but this proposal was not accepted. This recommendation is still applicable.
- The current efficiencies and pumping capacities of wells PW6-2011 and PW7-2014 are unknown
    - During normal operation over time, the efficiency of a water well will decline as the openings in the intake screen and in the surrounding aquifer sediments become partially plugged due to naturally occurring chemical, biological and/or mechanical processes within the aquifer and in the well. The plugging will result in additional water level drawdown in the well, without a corresponding increase in the well pumping rate. Rehabilitation work is required to reverse the plugging, to maximize well capacity and to extend the overall service life of the well.

Assuming new well efficiencies for PW6-2011 and PW7-2014, each can be individually operated at Elk Ridge's maximum day (intermittent) raw water requirement of 6.7 L/s, provided that the average day capacity of the developed aquifer is not exceeded. Supplementary testing and hydrogeologic analyses are required to determine the current efficiency and maximum day pumping capacity of the wells and if applicable, to determine the effect of installing a screen liner into PW7.

2. Is it feasible and sustainable for PW6-2011 and PW7-2014 to operate simultaneously at ~9/7 L/s? If yes, please provide rational as to why this is now possible.

Well PW7-2014 was constructed for redundancy, so that simultaneous operation with PW6-2011 was not required at that time. If required and subject to successful liner installation, wells PW6-2011, PW7-2014, and/or future PW8 can be operated simultaneously, provided that the combined pumping rate from the wells does not exceed Elk Ridge's projected year 2050 raw water requirement of 6.7 L/s and that the average day capacity of the aquifer is not exceeded. As noted above, the theoretical design capacity is a function of the physical construction of the intake screen and does not necessarily reflect the actual capacity of the well(s) or of the developed aquifer. Based on this, simultaneous pumping of wells PW6-2011 and PW7-2014 at 9.7 L/s is not recommended unless future hydrogeologic testing and analyses indicates otherwise.

With respect to drilling of a new well PW8, BHL wishes to remind Council of the following:

Elk Ridge has purchased land for the future construction of well PW8, however the aquifer characteristics and suitability of this site for future well construction are currently unknown. Therefore, the August 24, 2024 BHL proposal included the installation of a 50 mm diameter observation well at this site so that the aquifer characteristics could be evaluated prior to well construction. To facilitate future planning, this work should be completed even if the construction of PW8 is deferred to a late date.

In summary, BHL's 2024 proposal references theoretical well capacities and not actual well capacities. The average day capacity of the aquifer and current efficiencies and pumping capacities of wells PW6-2011 and PW7-2014 are all currently unknown. To provide more certainty in terms of what the aquifer and wells can supply, additional hydrogeological assessment and testing is required. To facilitate this testing, an observation well at the PW8 well site will need to be drilled. If a well driller is being engaged, it would be opportunistic to install the sleeve in PW7-2014 at that time and refurbish PW6-2011. Based on this, we suggest the following plan going forward:

1. Village / AE to engage BHL to design PW7-2014 screen liner, prepare tender documents to procure a well driller, and complete a hydrogeological assessment.
2. BHL to complete PW7-2014 screen liner design.
3. BHL to issue well drilling tender.
4. Village to award well drilling contract, with assistance from AE and BHL.
5. Contractor to drill observation well, refurbish PW7-2014 and install screen liner, and refurbish PW6-2011 (if no issues are encountered with PW7-2014 work), under supervision of BHL.
6. BHL to conduct hydrogeological assessment to determine current efficiencies and pumping capacities of wells PW6-2011 and PW7-2014.
7. AE to determine appropriate pump upgrades for PW6-2011 and PW7-2014 based on projected raw water demands and results of the hydrogeological assessment.
8. AE to include well pump upgrades in WTP Upgrade project.
9. BHL to determine if proposed PW8 site is viable for development of a production well based on the hydrogeological assessment.
10. AE to determine when PW8 is required based on PW6-2011 and PW7-2014 pumping capacities and forecasted raw water demands.

If Council agrees with the above plan, AE can submit a scope change to hire BHL as a sub-consultant. Proposed fees from BHL and estimated drilling contractor costs are as follows:

Proposed Scope of Work	Hydrogeologic Services to be Provided by Beckie	Estimated Drilling Contractor Costs *(refer to note 5 below)*	Combined Costs
1. Pre-design, Design and Bid Period services, including the preparation of unit price tender and contract documents.	5,500.00	0.00	5,500.00
2. Personnel and equipment mobilization to Elkridge, including travel time and daily travel disbursements.	8,000.00	10,500.00	18,500.00
3. Confirmatory test drilling and the installation of one 50 mm diameter observation well at the proposed PW8 site, including the supply, programing and installation of a levelogger, barologger and direct read data cables into the observation well. *The levelogger will automatically measure and record the water level every 6 hours, or at any other pre-programmed time interval.*	7,500.00	26,500.00	34,000.00
4. Mechanical rehabilitation work on well PW7 prior to the installation of the screen liner (noted in item 5 below), including a post rehabilitation efficiency pumping tests and if required, a camera inspection using equipment supplied and operated by Beckie.	8,500.00	18,000.00	26,500.00
5. Installation of a screen liner into well PW7, including a post installation efficiency pumping test and the collection and laboratory analyses of 1 set of water samples from the well.	14,000.00	45,000.00	59,000.00
6. Provided that the installation of the screen liner into PW7 is successful and after PW7 is operational, mechanical rehabilitation work on well PW6, including pre and post	9,000.00	20,000.00	29,000.00

rehabilitation efficiency pumping tests and a camera inspection using equipment supplied and operated by Beckie. *To our knowledge, mechanical rehabilitation work has not been completed on well PW6 since it was constructed in 2011.*			
7. Following the installation of the observation well (noted in item 3 above) and prior to or following the mechanical rehabilitation work (noted in items 4 and 6 above) and/or the installation of the screen liner (noted in item 5 above), conduct a pumping test on well PW6 or on PW7. The test would be conducted at a constant pumping rate 6.7 L/s for a continuous duration of 24 hours, using contractor supplied test pumping equipment. *The pumped water will be disposed in the lift station and/or at an alternate location arranged and piped by Elkridge.*	8,000.00	16,000.00	24,000.00
8. Hydrogeologic data analyses and summary reporting, including a summary of the maximum day pumping capacities of the wells and provided that items 3 and 7 above are completed, an estimate of the average day capacity of the developed aquifer.	9,500.00	0.00	9,500.00
Total Estimated Cost *(if all the scope of work is completed - refer to note 3 below)*	$ 70,000.00	$ 136,000.00	$ 206,000.00

Notes to the cost estimates:

1) *The engineering fees presented above include only the fees for BHL. If council agrees to the proposed work, AE will evaluate the additional effort required to coordinate with BHL..*

2) *The drilling contractor services are subject to the Federal GST and to the Sk. PST. The hydrogeologic services are subject to the Federal GST and 30% of the value of the Design and Bid Period services are also subject to the Sk. PST.*

3) *Elk Ridge would only be invoiced for the actual scope of work that is approved by Elk Ridge and completed as proposed.*

4) *The costs were prepared with the assumption that all scope of work approved by Elk Ridge is completed consecutively, so that re-mobilization and supplementary reporting are not required.*

5) *The drilling contractor costs are based on the estimated (by BHL) quantities of labour and material that may be supplied by the contractor and on tendered unit prices recently received by Beckie for other similar projects. BHL will re-estimate the drilling contractor costs following the proposed Bid Period services phase of the project. The final amount invoiced by the selected drilling contractor will be based on their tendered unit prices and on the actual quantities of labour and materials that they supply during the project, as will be field verified by BHL and as such, could be marginally higher or lower than the contractor's tendered cost.*

I plan to be in attendance for the June 17th Council meeting to discuss the contents of this email and answer any questions. Mike from BHL has offered to attend the meeting as well if Council desires.

Please let me know if you'd like to discuss ahead of the Council Meeting and if Mike should plan to attend the meeting.

P.S. I will be away on vacation June 9th through 13th. In my absence, please do not hesitate to contact Shea with any questions.

Thanks,

Joshua Yohnke, P.Tech.
Project / Construction Manager
Associated Engineering (Sask.) Ltd.
579 -28th Street West, Prince Albert, SK S6V 4T1
Tel: 306.764.3040 | Cel: 306.370.4664 | Dir: 306.808.3126
yohnkej@ae.ca

Associated Engineering respectfully acknowledges that the lands on which we live and work are the ancestral territories of the Indigenous Peoples, who have cared for these lands since time immemorial.

From: Joshua Yohnke
Sent: April 30, 2025 8:16 AM
To: Resort Village of Elk Ridge <infoelkridge@sasktel.net>
Cc: manager@elkridgeutility.ca; Elk Ridge Utility Manager <utility_manager@hotmail.com>; Clint Austin <clintaustin@shaw.ca>; Candice Wist <wistc@ae.ca>
Subject: RE: Elkridge - Water Wells

Hi Michele,

In follow-up to your email below and the various discussions to date, we have prepared the attached memo to provide the Village with greater context on the well upgrade options proposed by Beckie Hydrogeologists (1990) Ltd. This memo is intended to assist Mayor and Council in the decision-making process, by assessing the options in consideration of ability to meet future water demands, longevity, serviceability, and overall cost.

From the perspective of the WTP Upgrades project, it would be ideal to capture the preferred well upgrades approach within the Preliminary Design Report. This will help to ensure the WTP upgrades and well upgrades are properly coordinated and completed in the most cost-effective manner.

Please let me know if there are any questions or if you'd like me to attend an upcoming Council meeting to discuss.

Regards,

Joshua Yohnke, P.Tech.
Project / Construction Manager
Associated Engineering (Sask.) Ltd.
579 -28th Street West, Prince Albert, SK S6V 4T1
Tel: 306.764.3040 | Cel: 306.370.4664 | Dir: 306.808.3126
yohnkej@ae.ca

Associated Engineering respectfully acknowledges that the lands on which we live and work are the ancestral territories of the Indigenous Peoples, who have cared for these lands since time immemorial.

From: Resort Village of Elk Ridge <infoelkridge@sasktel.net>
Sent: March 7, 2025 4:04 PM
To: Joshua Yohnke <yohnkej@ae.ca>
Subject: Fwd: Elkridge - Water Wells

Hi Joshua,

Here is other information.

Michele

Begin forwarded message:

From: "Mike Famulak, P.Geo." <Mike_Famulak@beckiehydro.com>
Date: March 7, 2025 at 11:49:36 AM CST
To: infoelkridge@sasktel.net
Subject: Elkridge - Water Wells

Hello Michelle:

This email has been prepared to clarify the recommendation(s) outlined in the August 14, 2024 letter proposal prepared by Beckie Hydrogeologists Ltd. (copy attached).

The proposal included a cost estimates for a confirmatory testhole, for the installation of a 50 mm diameter observation well and assuming that acceptable aquifer conditions are encountered, for the subsequent design, construction and pump testing of 1 – 200 mm diameter water well; the proposed well would be referred to as PW8. This work would be completed at a location approximately 150 metres north of the water treatment plant, on a land parcel owned by the Village.

The proposal also included a cost estimate to install a 75 mm diameter stainless steel screen liner into existing well PW7-2014. The intent of the screen liner is to reduce or eliminate the concentration of entrained sediment in the water currently produced from well PW7-2014. The installation of a screen liner into well PW7-2014 will not affect the serviceability or the operation of existing well PW6-2011.

If the work is approved and successful, well PW8 and/or the re-lined well PW7-2014 could be operated by Elkridge as a primary, as a supplementary and/or as a backup water supply.

Please contact me if the Elridge Council has any questions.

Please note my new email and mailing address and update your contact list accordingly

Regards,

Mike Famulak, P.Geo. (SK), P.Geol. (AB)
Beckie Hydrogeologists (1990) Ltd.
48 - 6 Ratner Street, Emerald Park, Sk. S4L 0E3
cellular: +1 (306) 536-1625
mike_famulak@beckiehydro.com

238 Stechishin Crescent Saskatoon, SK S7K 5P7
Bus: (306) 221-5668 Fax: (306) 933-1065
Email: superiorsweeping@sasktel.net

Precision Asphalt
A DIVISION OF SUPERIOR SWEEPING SERVICES INC.

- Parking lot patching
- Seal coating
- Asphalt driveways
- Crack filling

DATE OF PROPOSAL
June 10th, 2025

PROPOSAL SUBMITTED TO (COMPANY NAME)	PHONE	FAX
Elkridge Golf Course	306-380-6996	
CONTACT NAME	E-MAIL	
Ian	ian.farthing@ae.ca	
STREET ADDRES	JOB NAME	
CITY, PROVINCE AND POSTAL CODE	JOB LOCATION	
Elkridge	Golf Course	

We hereby submit estimate for:
Page 4

Remove and replace failed asphalt areas on Road to Golf Course (approx. 219.5m2as per site visit with Josh) - 17,146.50 plus taxes

Above work to Include
-sawcut and remove asphalt
-recompact exsisting base gravel
-apply tack oil
-supply and install 65mm asphalt

Above price does not Include the following
-base excavation
-surveying
-testing

WE PROPOSE hereby to furnish materials and labour - complete in accordance with above specifications, for the sum of:

QUOTE PRICE _____ + GST _____ = TOTAL _____
Payment to be made as follows:

GST# 891959397

Authorized Signature

MARK VOSSEN

Note: This proposal may be withdrawn by us if not accepted within 15 days.

ACCEPTANCE OF PROPOSAL - The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Signature _____
Signature _____
Date of Acceptance _____

THANK YOU FOR YOUR BUSINESS!

Associated Engineering | GLOBAL PERSPECTIVE. LOCAL FOCUS.

Associated Engineering (Sask.) Ltd.
579 - 28th Street West
Prince Albert, SK S6V 4T1 Canada
www.ae.ca

TEL: 306.764.3040

May 21, 2025
Reference/Project No.:

Michele Bonneau
CAO
Resort Village of Elk Ridge
221 Arne Pedersen Way
Elk Ridge, SK S0J 2Y0

Re: RESORT VILLAGE OF ELK RIDGE
ROADWAY REPAIRS
ENGINEERING SERVICES PROPOSAL

Dear Michele:

This letter is in response to correspondence with the Resort Village of Elk Ridge (the Village) requesting a proposal from Associated Engineering (Associated) to provide engineering services related to roadway repairs.

1 PROJECT UNDERSTANDING

Associated understands the Village is seeking to undertake repairs to the following roadways:

1. Arne Petersen Way - highway 264 to Eagle View Villas gate,
2. Arne Petersen Way - intersection to the beginning of the Fairway townhouses, and
3. Elk Ridge Place - Arne Petersen Way to the firehall.

2 SCOPE OF SERVICES

2.1 IMMEDIATE ROADWAY REPAIRS

The Village requires engineering assistance to repair 5 to 6 asphalt failures along Arne Petersen Way. The required services include:

- Coordination with a roadways contractor to obtain a quotation for repairs.
- Oversight and quality assurance during construction to ensure work conforms to industry standards and best practices.
- Preparation of project paperwork, including recommendation for progress payment, substantial completion, etc

Associated understands that the Village wishes to engage the services of Precision Asphalt to undertake the immediate roadway repairs. Precision Asphalt has been awarded a construction contract by the Elk Ridge Estates Condo Corporation, and is anticipated to be in the Resort Village of Elk Ridge in June 2025.

2.2 LONG-TERM ROADWAY REPAIRS

Prior to undertaking major repairs and upgrades, the condition of roadway assets must firstly be determined. To accomplish this, it is recommended that an assessment be conducted. This assessment would involve an inspection of each roadway to determine overall condition and identify locations requiring repair. The findings of the inspection would be summarized in an assessment report. This report would also provide recommendations for repair and estimated construction costs.

Should the Village with to proceed with design and construction of the recommended roadway repairs, Associated will prepare and submit a scope change to add the necessary additional services to the engineering contract.

3 WORK PLAN

Associated proposes to provide engineering services using the following task-based work plan.

3.1 TASK 100 – ROADWAY ASSESSMENT

Within this task, Associated proposes to include the following procurement services as they relate to the scope described above in **Section 2.2**:

- Perform an inspection of each of the roadways listed in Section 1.
- Prepare and submit to the Village a draft Assessment Report, complete with Class D (-30% to +50%) construction cost estimate.
- Attend a Council meeting to review the Assessment Report with Village.
- Update the Assessment Report based on Village feedback and submit a final version of the report to the Village.

3.2 TASK 500 – CONSTRUCTION SERVICES

Within this task, Associated proposes to include the following procurement services as they relate to the scope described above in **Section 2.1**:

- Attend a site meeting to review immediately required asphalt repairs with a contractor and the Village.
- Obtain a lump sum quotation from contractor and review with Village.
- Inspect and monitor compliance with the procurement documents and industry standards.
- Keep the Village informed on the progress and quality of the work.
- Provide guidance to the contractor.
- Complete a final inspection following completion of deficiencies.
- Prepare a progress payment certificate and Substantial Performance Certificate.

4 SCHEDULE

Associated proposes to complete this project in accordance with the schedule below. In our experience, it is best to conduct roadway condition assessments in late summer or early fall. This ensures the ground is no longer frozen and provides adequate time for the roadway surface to react from the previous freeze-thaw cycle. Conducting the assessment too early in the year increases the risk that underlying conditions may not yet be visible at the surface.

Table 4-1 Proposed Project Schedule

Milestone	Date
Award of Engineering Work	May 2025
Immediate Roadway Repairs	
Meet with Contractor and Village	May 2025
Construction	June 2025
Long-Term Roadway Repairs	
Site Inspection	August 2025
Submission of draft Assessment Report	September 2025
Council Meeting	September 2025
Submission of final Assessment Report	October 2025

Notes:

1. *The scheduled outlined above does not consider prolonged client review times, changes in scope, or other unforeseen issues.*
2. *Schedule for Construction activities will be determined by the successful contractor.*

5 PROJECT TEAM

Associated has a strong team of in-house professionals with relevant experience who will work collaboratively to successfully deliver this project. The following staff will provide the key services outlined in this proposal.

Josh Yohnke, PTech.
Project Manager

Josh has over 20-years of experience, including operations, design, project management, and construction management. He has successfully led projects through the various engineering phases; concept to detailed design, tender through to commissioning. Clients range from small to large municipalities, federal and provincial governments and corporate clients of all sizes.

Responsibilities: As Project Manager, Josh will be responsible for project team leadership, design support, client liaison, planning, schedule and budget control, and project delivery.

Jeff Horan, P.Eng.
Quality Assurance

Jeff has nearly 20 years of experience in design and construction of infrastructure projects as a contractor, government representative, and consultant. Jeff has been involved in various levels of planning and design for projects ranging from roadways, residential areas, and commercial developments. Jeff also has several years of on-site project experience in northern and remote locations.

Responsibilities: As Quality Assurance, Jeff will be responsible for providing guidance to the project team and completing quality reviews of the design.

Ian Farthing, P.Eng.
Project Engineer

Ian has over 15-years of experience in municipal infrastructure and transportation. He has been involved in design, tender, and construction phases of a variety of projects. As a Project Engineer, Ian has been responsible for site supervision, earthworks modelling, site surveys, progressive estimates and assisting with final reports.

Responsibilities: As Project Engineer, Ian will be responsible for overseeing the procurement process and administering the construction contracts. Ian will also be responsible for completing all on-site survey and inspection work.

6 ENGINEERING FEE

In consideration of the above, Associated proposes to complete this project on a fixed basis for a fee as shown below including disbursements and excluding applicable taxes. Disbursements include the cost for printing, mileage, communications, and special equipment. A task-based breakdown of the proposed fees is as follows:

Table 6-1 Task-Based Breakdown of Proposed Fees

Task	Proposed Fees
Task 100 – Roadways Assessment	$5,600
Task 500 –Construction Services	$2,400
TOTAL PROPOSED FEES	**$8,000**

In the event that additional work is required, we would respectfully request recovery of our costs at the hourly rates plus disbursements as listed in our 2025 Rate Table (attached). Our fees will be billed monthly based on our estimate of the work complete and are due on receipt of invoice. Interest of 1.5% per month applies to overdue accounts.

CLOSURE

Thank you for the opportunity to submit this proposal. We trust this meets your expectations and would be pleased to discuss any aspect of the proposal we have presented. We appreciate your confidence in our services and look forward to working together with you on this project.

Should you wish us to proceed, please sign below and return a copy via email. A formal engineering agreement will be forwarded to you upon receipt of authorization.

Respectfully submitted,

Josh Yohnke, P.Tech
Project Manager

Jeff Horan, P.Eng.
Division Manager, Prince Albert

JY/JH/cw

Enclosure:

- 2025 Rate Table

AUTHORIZATION TO PROCEED

AUTHORIZED SIGNATURE **DATE**

SCHEDULE I

ASSOCIATED ENGINEERING (SASK.) LTD.

CLASSIFICATION RATE SCHEDULE
JANUARY 1, 2025

Level	Engineer (E)	Landscape Architect (Z)	Environmental Scientist (C)	Geoscientist (P)	Planner (N)	Technician (T)	Specialist Consultant (R)	Support Staff (S)
0	$108.00	$100.00	$100.00			$90.00		
1	$143.00	$131.00	$121.00	$143.00	$106.00	$113.00		$87.00
2	$164.00	$152.00	$150.00	$168.00	$118.00	$133.00		$98.00
3	$193.00	$183.00	$177.00	$200.00	$143.00	$144.00	$212.00	$109.00
4	$227.00	$216.00	$212.00	$240.00	$162.00	$166.00	$258.00	$128.00
5	$266.00	$247.00	$243.00	$265.00	$173.00	$178.00	$314.00	$132.00
6	$286.00	$297.00	$285.00	$297.00	$198.00	$204.00	$355.00	
7	$314.00	$322.00	$311.00	$338.00	$218.00	$218.00		

- These rates conform generally with guidelines published by ACEC Saskatchewan and Manitoba. They will be adjusted annually.

SCHEDULE II

ASSOCIATED ENGINEERING (SASK.) LTD.

EXPENSES AND DISBURSEMENTS SCHEDULE
JANUARY 1, 2025

Item		Rate	Unit
Disbursements will be charged at the rate of 8% of total labour for preliminary design, detailed design and tender services. The following special charges will be applied relative to project requirements.			
Special Charges:			
Equipment	GPS	$150.00	/day
	GPS Rover on local base station	$150.00	/day
	FLIR Camera	$150.00	/day
	BLK 360 Scanner	$500.00	/day
	Soils Lab	$175.00	/day
	Asphalt Lab	$350.00	/day
	Nuclear Densometer	$60.00	/day
	Depth Sounder	$50.00	/day
	Drone	$100.00	/day
	LiDAR Drone	$500.00	/day
	Bathymetric Survey Unit	$500.00	/day
Vehicles	Rental Vehicle Rate	$0.77	/km
	Hourly Rate (construction vehicles, 4 hour min)	$22.00	/hr
Accommodations		Cost	
Meals		$65.00	/day

NOTES:

- Above rates are exclusive of all taxes. Federal Government Goods & Services tax will be applied in addition to the charge out rates. Saskatchewan Provincial Sales Tax will be applied as directed by Sask. Finance as 6% of 30% of design tasks.
- All expenses will be billed at cost plus a markup of 10% to cover handling, financing & Liability Insurance.
- Level E6 & E7 includes principals and specialists.
- Rates in effect to the earlier of project completion or December 31, 2025.
- Invoices are due and payable upon receipt. Overdue invoices will accrue interest at 12% per annum, calculated monthly or as stipulated in the Client/Engineer Agreement.