

Request for Decision

Title	Contract Award: Bridge File 2212 Cunningham Bridge (Meadowview Drive East of Range Road 261A) Project
Proposed Motion	That Council award the contract for the rehabilitation of Bridge File 2212 (Cunningham Bridge) to Bridgemen Services Ltd. at a contract price of \$1,336,800, excluding GST, and authorize the Chief Administrative Officer to execute the contract.
Administrative Recommendation	Administration recommends that Council award the contract for rehabilitation of Bridge File 2212 (Contract No. 2022-098) to Bridgemen Services Ltd. as the lowest compliant bidder.
Previous Council / Committee Direction	<u>December 14, 2021 Regular Council Meeting</u> Motion 549/21: That Council approve the proposed 2022 Operating and Capital Budget as amended by motions passed on November 30, 2021.
Report	<p><u>Background Information</u></p> <ul style="list-style-type: none"> • Candidates for bridge rehabilitation are identified by an annual inspection program that identifies repairs to extend the service life of the bridge structures managed by the County. • The Bridge Structure, BF 2212, on Meadowview Drive crossing the Sturgeon River was built in 1958 and is nearing the end of its service life. • The County completed an engineering and cost-benefit analysis on the existing structure in Q1-Q2 2022 to determine the best option (repair, rehab or replace) to extend the service life of the structure. The engineering assessment included a review of all available documentation, site inspection (including a level 2 girder inspection), load rating evaluation, and an assessment of the existing condition. • The latest Bridge Inspection and Maintenance (BIM) report was completed on February 15, 2022. The superstructure and substructure have a general rating of 3 (poor) with various degradation to the concrete girder components of the structure and various other noted areas. • The overall condition of this structure is fair considering its age (64 years). However, there are several deficient items that are leading to accelerated deterioration of critical bridge components (e.g., bearings and girders).

- Further, a previous BIM inspection, dated January 18, 2018, indicated that there was a large void under the approach slab at the southwest corner and that the angle of the approach slab suggested ongoing settlement. The approach slab was also noted to be pulling away from the backwall. The void under the approach slab at the southwest corner has since been repaired. The approach slabs were not visible during the most recent inspection, but it is suspected that the approach slabs have failed at both ends of the bridge. To reduce future approach settlement, the approach slabs should be replaced.
- Based on the assessment completed, it was recommended to complete a full rehabilitation of the bridge structure as the most cost-effective option to extend the service life of the structure for an assumed 25 years.
- By completing this project in conjunction with the ongoing roadwork on Meadowview Drive, all road and bridge assets within the portion of Meadowview owned by Sturgeon County will be fully rehabilitated, limiting future construction impacts to residents
- This bridge rehabilitation project scope of work includes, but is not limited to, the following:
 - Traffic accommodation;
 - Surface removal;
 - Cold milling of asphalt concrete pavement (ACP);
 - Partial depth repairs to the deck, curbs, abutments, diaphragms, pier, and girders;
 - Crack repairs to pier and girders;
 - Replacement of all deck joints;
 - Replacement and refurbishment of all bearings;
 - Replacement of approach slabs;
 - Concrete surface finish (sealer) to abutments, piers, curbs, and exterior girder fascia;
 - Bridge rail repairs and upgrade;
 - Installation of approach guardrail;
 - Roadway work;
 - Installation of waterproofing membrane;
 - Asphalt concrete pavement; and
 - Installation of drain troughs.
- The BF 2212 Rehabilitation project requires all works to be completed prior to August 15, 2023. Bridgemen Services' submitted schedule is to have the project completed in June 2023.

External Communication

- The construction Request for Tender (RFT) for the Bridge Maintenance Contract was posted on Alberta Purchasing Connection (APC) July 15, 2022 and closed on August 15, 2022.

	<ul style="list-style-type: none"> Four tender submissions were reviewed and assessed in accordance with standard practices before making the recommendation to award to the lowest compliant bidder. <p><u>Relevant Policy/Legislation/Practices</u> Procurement Policy</p> <ul style="list-style-type: none"> Invitation to Tender is identified as the acceptable method of procurement for construction contracts and other high value procurements. Sturgeon County’s standard for communicating competitive procurement opportunities is through the Alberta Purchasing Connection. Council must approve procurements of \$500,000 or more, with the Chief Administrative Officer being the signing authority. 																
<p>Implication of Administrative Recommendation</p>	<p><u>Strategic Alignment</u> Planned Growth – The awarding of this contract is consistent with the objective of <i>reliable and effective infrastructure</i>.</p> <p>Operational Excellence – The awarding of this contract is consistent with the objectives of <i>quality cost-effective service delivery, asset management, and performance measurement</i>.</p> <p><u>Organizational</u></p> <ul style="list-style-type: none"> The awarding of this contract will ensure that this bridge structure will remain safe and open to traffic for County residents. <p><u>Financial</u></p> <ul style="list-style-type: none"> To date, \$100,143.35 has been spent on BF 2212. As per the below table, the estimated total cost to complete BF 02212 Rehabilitation project is \$1,496,937. <table border="0" style="width: 100%;"> <tr> <td colspan="2">Estimated Costs (Based on the Tender Estimate)</td> </tr> <tr> <td>Estimated Construction (Less Site Occupancy)</td> <td style="text-align: right;">\$1,246,800.00</td> </tr> <tr> <td>Estimated Contingency (10%)</td> <td style="text-align: right;">\$124,680.00</td> </tr> <tr> <td>Estimated Engineering</td> <td style="text-align: right;">\$125,457.00</td> </tr> <tr> <td>Total Funding Requirement</td> <td style="text-align: right;">\$1,496,937.00</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <td>Budget</td> <td></td> </tr> <tr> <td>Budget (22-BD-01)</td> <td style="text-align: right;">\$1,500,000.00</td> </tr> </table>	Estimated Costs (Based on the Tender Estimate)		Estimated Construction (Less Site Occupancy)	\$1,246,800.00	Estimated Contingency (10%)	\$124,680.00	Estimated Engineering	\$125,457.00	Total Funding Requirement	\$1,496,937.00	 		Budget		Budget (22-BD-01)	\$1,500,000.00
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<p>Alternatives Considered</p>	<p>Council could decide not to award the contract at this time.</p>																
<p>Implications of Alternatives</p>	<p><u>Strategic Alignment</u></p> <ul style="list-style-type: none"> Planned Growth – Not awarding the contract would be inconsistent with this strategic objective. Operational Excellence – Not awarding the contract would only delay required work, requiring additional expense and maintenance. 																

	<p><u>Organizational</u></p> <ul style="list-style-type: none"> By not awarding the contract at this time, Sturgeon County may be required to pre-emptively close the bridge structure in the future due to poor conditions. <p><u>Financial</u></p> <ul style="list-style-type: none"> Not awarding this contract would only temporarily defer the required operational repair cost for this bridge asset. Sturgeon County's overall lifecycle cost of maintaining this asset would increase, thus decreasing affordability.
Follow up Action	<ol style="list-style-type: none"> Execute the contract with the lowest compliant bidder (CAO Office, Q4 2022). Notify affected residents (Transportation & Engineering Services, Q1 2023).
Attachment(s)	<ol style="list-style-type: none"> Attachment 1: Location Map Attachment 2: Tender Bid Results
Report Reviewed by:	<p>Gary Mayhew, Director, Transportation & Engineering Services</p> <p>Scott MacDougall, Chief Operating Officer – COO</p> <p>Reegan McCullough, County Commissioner – CAO</p>

Strategic Alignment Checklist

Vision: *Offering a rich tapestry of historical, cultural, and natural experiences, Sturgeon County is a municipality that honours its rural roots and cultivates desirable communities. Uniquely situated to provide world-class agricultural, energy, and business investment opportunities, the County prioritizes responsible stewardship and dreaming big.*

Guiding Principles: Collaboration | Accountability | Flexibility | Excellence | Safety | Future Readiness | Affordability | Innovation

Community Outcome	Not consistent	Consistent	N/A
Planned Growth			
<ul style="list-style-type: none"> Internationally competitive to attract, grow and sustain diverse businesses; tenacious focus on new growth and innovation 	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<ul style="list-style-type: none"> Modern broadband and digital capabilities 	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<ul style="list-style-type: none"> Low cost, minimal red-tape regulations 	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<ul style="list-style-type: none"> Reliable and effective infrastructure planning; comprehensive land use and infrastructure planning 	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Thriving Communities			
<ul style="list-style-type: none"> Beautiful, surprising places with high standards; integrated natural spaces & trail systems; healthy and resilient 	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<ul style="list-style-type: none"> Engaging cultural, historical, and civic amenities; strong community identity and pride 	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<ul style="list-style-type: none"> Safe, welcoming, and diverse communities; small community feel and personal connection; commitment to high quality of life 	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Environmental Stewardship			
<ul style="list-style-type: none"> Clean air, land, and water; Carbon neutral municipal practices; circular economy opportunities 	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<ul style="list-style-type: none"> Conservation of natural areas and agricultural lands; enhanced greening and biodiversity; safekeeping ecosystems 	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<ul style="list-style-type: none"> Sustainable development; partnerships with industry and others to drive emission reductions 	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Collaborative Governance			
<ul style="list-style-type: none"> Predictable and stable external relationships; volunteer partnerships 	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<ul style="list-style-type: none"> Meaningful connections with Indigenous communities 	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<ul style="list-style-type: none"> Ongoing community consultation and engagement; transparent and action-oriented decision making based on sound rationale 	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<ul style="list-style-type: none"> Respectful and informed debate; clear and supportive governance processes 	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Operational Excellence			
<ul style="list-style-type: none"> Engaged and effective people – Council, Admin and Volunteers; continuous learning and improvement mindset; nimble and bold, with strong leadership 	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Quality cost-effective service delivery; robust procurement and operational practices and policies; asset management and performance measurement; careful debt and reserve stewardship; long-term financial planning and sustainability 	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Future focused thinking to proactively respond to emerging opportunities and challenges 	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Alternative revenue generation and service delivery models integrated strategic and business planning 	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>