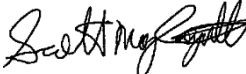



Request for Decision

Title	Re-scope of Bridge File 9433
Proposed Motion	That Council approve the re-scope of the 2019 capital replacement of Bridge File 9433 to a capital rehabilitation to be executed in 2020.
Administrative Recommendation	Administration recommends the re-scope of the 2019 capital replacement of Bridge File 9433 to a capital rehabilitation to be executed in 2020.
Previous Council Direction	<u>December 11, 2018</u> Motion 386/18: That Council approve the 2019 Operating and Capital Budgets as amended by motions passed at the November 30, 2018 and December 11, 2018 Council Budget Meetings represented by a 0% change to tax rates.
Report	<p><u>Background Information</u></p> <p>Bridge File 9433 is a culvert structure located approximately 12 kilometres northeast of Legal in Fairy Dell Creek, SW 16-58-24-W4, on Township Road 582. The referenced roadway has a recorded traffic count of approximately 20 vehicles per day.</p> <p>The existing 2.9-metre diameter culvert is 27.4 metres in length and was built in 1960. It has a 22.2% Structural Rating and a 34.7 Sufficiency Rating. Currently, the structure has a level 2 rating due to cracks in the seams and rings.</p> <p>The 2019 Capital Replacement Plan proposed a 3.0-metre diameter CSP 47 metre length with 4:1 side slopes and a concrete collar on the inlet with a finished road width of 8 metres. Road widening and side slope improvements are anticipated in the vicinity of the crossing.</p> <p>The current Capital Replacement Plan has a cost estimate of \$550,000 plus land acquisition. Administration has conducted a cost-benefit assessment with consideration for the number of vehicles per day that travel on the referenced roadway and is proposing a capital rehabilitation in lieu of a full-scale replacement. The rehabilitation would be executed by strutting the existing culvert structure and has a preliminary cost estimate of \$200,000. The proposed solution allows for efficient redeployment of capital funds. It is estimated that the proposed rehabilitation will extend the useful life of the culvert structure by up to ten years and has comparable annualized costs to the Capital Replacement Plan.</p>

	<p><u>External Communication</u></p> <ul style="list-style-type: none"> • None. <p><u>Relevant Policy/Legislation/Practices:</u></p> <ul style="list-style-type: none"> • Procurement Directive
<p>Implication of Administrative Recommendation</p>	<p><u>Strategic Alignment:</u></p> <p>Maintain and Enhance Strong Communities – This Request for Decision demonstrates Sturgeon County’s commitment to maintaining and updating existing infrastructure utilizing a cost-effective approach.</p> <p><u>Organizational:</u></p> <p>Additional inspections will be conducted in excess of the routine schedule leading to the rehabilitation. This will allow for mitigation measures should the current state of the culvert structure deteriorate.</p> <p><u>Financial:</u></p> <p>Associated increased inspection due to the deferral will be absorbed within existing approved operating budget limits without an anticipated request for additional funding.</p>
<p>Alternatives Considered</p>	<p><u>Alternative 1:</u></p> <p>Proceed with the \$550,000 Capital Replacement Plan as outlined In Bridge File 9433 capital replacement budget and execute tendering of the replacement within the 2019 window.</p> <p><u>Alternative 2:</u></p> <p>Self-managed asset preservation intervention including, but not limited to, the installation of concrete lining to the existing culvert to retain structural integrity.</p>
<p>Implications of Alternatives</p>	<p><u>Strategic Alignment:</u></p> <ul style="list-style-type: none"> • Both Alternatives 1 and 2 are consistent with the Focus Area of <i>Maintain and Enhance Strong Communities - Provides access to safe and reliable infrastructure assets.</i> <p><u>Organizational:</u></p> <ul style="list-style-type: none"> • Alternative 1: Tendering and contract award will proceed within 2019 with no disruptions or adverse impacts to ongoing project delivery. • Alternative 2: This option will require assessment for compliance to Alberta Environment and Parks regulations.

	<p><u>Financial:</u></p> <ul style="list-style-type: none">• Alternative 1: Risks being an expensive choice without the exploration of other opportunities to deliver the project for a similar, desirable outcome.• Regulatory hurdles associated with Alternative 2 could translate into additional administrative and consultant costs.
Follow up Action	Bridge File 9433 Briefing to Council.
Attachment(s)	None.
Report Reviewed by:	<p> Scott MacDougall – General Manager, Infrastructure Services</p> <p> Reegan McCullough – County Commissioner – CAO</p>

Strategic Alignment Checklist

Vision: Sturgeon County: a diverse, active community that pioneers opportunities and promotes initiative while embracing rural lifestyles.

Mission: Provide quality, cost effective services and infrastructure to meet the diverse needs of the Sturgeon County community, while improving competitiveness and sustainability.

Focus Areas	Not consistent	N/A	Consistent
Planned Growth and Prosperity			
<i>We encourage varied and integrated enterprises that enhance our strong economic base, while balancing the needs of the community and natural environment. (Strategic Plan and MDP pg. 36)</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> • <i>Supports a strong thriving business environment to strengthen our economic foundation</i> 	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> • <i>Plans for responsible growth through the MDP and regional growth plan.</i> 	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> • <i>Manages growth for current and future developments through: <ul style="list-style-type: none"> ○ <i>transparent bylaws, policies and processes to enable responsible land development</i> ○ <i>targeting growth around existing and identified future growth areas</i> </i> 	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Maintain and Enhance Strong Communities			
<i>We are committed to a safe and viable community, where our residents are provided with access to opportunities and quality of life. (Strategic Plan and pg. 27 MDP)</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<ul style="list-style-type: none"> • <i>Provides access to programs and services that have a positive impact on residents' quality of life</i> 	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<ul style="list-style-type: none"> • <i>Provides access to safe and reliable infrastructure assets</i> 	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<ul style="list-style-type: none"> • <i>Supports the safety of people and property</i> 	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Strong Local and Regional Governance			
<i>We promote consistent and accountable leadership through collaborative and transparent processes (Strategic Plan and pg. 27 MDP)</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> • <i>Provides effective leadership and management consistent with Strategic Plan, MDP, master plans, bylaws, policies, community engagement</i> 	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<ul style="list-style-type: none"> • <i>Considers fiscal stability and sustainability</i> 	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<ul style="list-style-type: none"> • <i>Fosters collaborative intergovernmental partnerships</i> 	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Community Identity & Spirit			
<i>We will build upon our strengths, where together we will create an inclusive, caring community (Strategic Plan and MDP pg. 27)</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> • <i>Promotes and/or enhances residents' identification with Sturgeon County</i> 	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> • <i>Support and/or collaborate with voluntary organizations in the region</i> 	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Environmental Stewardship			
<i>We foster a healthy environment and minimize our impact on ecosystems. (Strategic Plan and MDP pg. 27)</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> • <i>Plans and partnerships that minimize environmental impact on natural areas</i> 	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> • <i>Provides awareness of environmental issues impacting the County</i> 	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>