

Request for Decision

| Title | Meadowview Drive and Range Road 261A Rehabilitation |
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| Proposed Motion | <p>1. That Council accept the Klohn Crippen Berger Ltd. Slope Assessment Report (May 9, 2018) as information, direct Administration to implement a short-term solution (temporary shifting of road - item 6.1.1 and 6.1.2); and include a long-term solution (relocating the road and erosion control - item 6.2) within the Meadowview Drive Rehabilitation Project.</p> <p>2. That Council authorize Administration to transfer \$100,000 from 8.17 Road Network Reserve (Capital) to Range Road 261A for the implementation of a short-term solution.</p> <p>3. That Council direct Administration to focus feasibility and design for the Meadowview Drive Rehabilitation Project on the existing Meadowview Drive alignment, from Highway 44 to Range Road 261A, and without widening of the existing road right-of-way.</p> <p>4. That Council direct Administration to obtain proposals for the detailed design and construction of Meadowview Drive Rehabilitation Project, and bring back a debenture bylaw for funding of these projects for design and construction.</p> |
| Administrative Recommendation | <p>Administration recommends that the County undertake the following short-term measures in order to keep both lanes of traffic open:</p> <ol style="list-style-type: none"> 1) extend the Jersey barricade to the south (recommendation 6.1.1); 2) shift range road 261A about 1.7 metres to the west with guardrails on both sides of the road (recommendation 6.1.2); and 3) reduce the amount of drainage flowing towards the side slope area (recommendation 6.1.2). <p>In order to ensure functionality and safety are addressed in the long term, Administration recommends that the County ultimately:</p> <ol style="list-style-type: none"> 1) relocate 261A further to the west as a part of the Meadowview Drive Rehabilitation Project (recommendation 6.2.1); and 2) undertake erosion protection on the side slope (recommendation 6.2.2). <p>Administration recommends that Council endorse focusing the Meadowview Drive Rehabilitation Project on the existing Meadowview Drive alignment, from Highway 44 to Range Road 261A, and without widening of the existing</p> |

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| | road right-of-way. This scope will address the ongoing maintenance issues on Meadowview Drive and aim to have the road last for 20 years. |
| Previous Council Direction | <p>April 18, 2018 - Council Workshop. Meadowview Drive and Range Road 261A options were discussed in the workshop.</p> <p>December 20, 2017 – Motion 506/17 That Council approve the 2018 Operating and Capital Budget as amended.</p> <p>August 22, 2017 – Motion 364 /17 That Council approve the projects in Stage 2, 3 and 4 as presented in the 2018 – 2020 Capital Plan for Feasibility and Detailed Design, and subject to budget, for Construction.</p> <p>June 27, 2017 – Committee of the Whole presentation to Council to present the findings of the Meadowview Drive Functional Planning Study accepted by the previous Council for information on May 28, 2013 and discuss options moving forward.</p> <p>May 28, 2013 – Motion 241/13 That County Council accepts the Meadowview Drive Functional Planning Study as information and directs Administration to include this information in future planning.</p> <p>April 9, 2013 – Committee of the Whole presentation to Council after the second Public Open House.</p> <p>January 22, 2013 – Committee of the Whole presentation to Council after the first Public Open House.</p> <p>December 13, 2011 – Motion 511/11 That County Council approves the 2012 Operating and Capital Budget (\$58,068,712) which represents a projected 6.85% municipal property tax increase.</p> |
| Report | <p><u>Background Information</u></p> <ul style="list-style-type: none"> • In 2012, ISL Engineering was retained by Sturgeon County to undertake a Functional Planning Study for Meadowview Drive, from Highway 44 (Hwy 44) to the City of St. Albert municipal boundary at Carrot Creek. • Two open houses were held in connection with this study, and realignment options were presented on June 28, 2012 and February 12, 2013. The existing alignment was the recommended option in the Functional Planning Study. Besides other recommendations, the study recommended a 29-metre right-of-way and widening of Meadowview Drive to 10.8 metres. For Range Road 261A (RR 261A), the study recommended shifting the road 55 metres to west to improve sight lines on the Little Sturgeon River Bridge and to avoid the unstable river bank. • In keeping with the Meadowview Drive Functional Planning (FP) Study of 2013 and cost implications, the County has the following options: <ul style="list-style-type: none"> ○ Option 1: Reconstruct Meadowview Drive from Hwy 44 to St. Albert boundary (Carrot Creek) including realignment of |

RR 261A as per the study recommendations. Cost estimate for this option is \$24.4 million as per the study.

- **Option 2:** Reconstruct Meadowview Drive from Hwy 44 to RR 261A (including RR 261A realignment). The cost estimate for this option is \$17.3 million, as per the study.
 - **Option 3:** Rehabilitate Meadowview Drive from Hwy 44 to RR 261A without widening and within the existing right-of-way. Including relocation of RR 261A. The cost estimate for Option 3 is \$12 million.
 - **Option 4:** Rehabilitate only the bad portions of Meadowview Drive, including RR 261A realignment. The cost estimate for this option is \$7 million.
 - **Option 5:** Do nothing, increase the operational budget and keep maintaining Meadowview Drive and RR 261A.
- RR 261A was always a part of the Meadowview Drive improvement project. Side slope stability started undermining in 2007. By 2012 the guardrail had been undermined by the slope instability and was replaced by the Jersey barriers. In March 2018, the slope failure had retrogressed into edge of the pavement. Sturgeon County subsequently shifted the Jersey barriers 2 metres from the east edge of pavement, closing the northbound lane over a 40-metre length.
 - County Administration engaged the services of Klohn Crippen Burger Ltd (KCB), an engineering consulting firm, for the site assessment of RR 261A slope instability and to provide recommendations for a short-term and long-term solution to address the side slope failure and impacts to RR 261A. The KCB report is attached for reference.
 - As a short-term solution, KCB has recommended shifting about 40 metres length of road 1.7 metres towards the west with guardrails and providing measures to reduce the amount of drainage flow towards the eroding side slope area.
 - As a long-term solution, KCB has recommended relocating the road further to the west as part of the Meadowview Drive Rehabilitation Project.




External Communication

- As part of the Meadowview Drive Functional Planning Study, two (2) Public Open Houses were held on June 28, 2012 and February 12, 2013. See attached Request for Decision dated May 28, 2013.
- The preferred alignment recommended in the study was the result of 52% of residents being in support.

Relevant Policy/Legislation/Practices:

- None.

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| <p>Implication of Administrative Recommendation</p> | <p><u>Strategic Alignment:</u></p> <p>Strong Local Governance and Regional Leadership – Supports collaboration with the community, ensures safe connectivity between the provincial highway and two municipalities, and supports Sturgeon County’s 4 Stage Capital Plan.</p> <p>Planned Growth – Positioning the organization to serve the needs of the community in the face of continued and focused growth.</p> <p>Maintain and Enhance Strong Communities – Sourcing a solution to the ongoing problem demonstrates a commitment to the community to maintain and update existing infrastructure and focuses on engaging residents for feedback on how transportation infrastructure delivers on community expectations.</p> <p>Operational Excellence – Correcting this type of Infrastructure deficiency demonstrates Sturgeon County’s commitment to fund improvements to existing assets that affect residents. The completion of this project will reduce future maintenance costs and allow transportation resources to be re-allocated to other priority projects.</p> <p><u>Organizational:</u></p> <p>None.</p> <p><u>Financial:</u></p> <p>For RR 261A, Administration is recommending a transfer of \$100,000 from 8.17 Road Network Reserve (Capital) for the implementation of the short-term solution as recommended in the attached KCB report dated May 9, 2018.</p> <p>For the Meadowview Drive Rehabilitation Project and RR 261A Relocation (long-term solution) a debenture bylaw will be brought forward for Council approval after obtaining proposals for the design and construction of these projects. Debenture borrowing will be made in phases as the projects progress from Design through to the Construction completion phases.</p> |
| <p>Alternatives Considered</p> | <p>That County Council does not approve the Meadowview Drive Rehabilitation Project and continue to maintain the status quo through maintenance activities on Meadowview Drive on an as needed basis.</p> <p>That County Council not approve a long-term solution for RR 261A.</p> |
| <p>Implications of Alternatives</p> | <p><u>Strategic Alignment:</u></p> <ul style="list-style-type: none"> • Not moving ahead with these projects will be contrary to the expectations of the community and the public. Public safety will be at risk. There will higher maintenance and surveillance cost. Public frustration may escalate. |

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| | <p><u>Organizational:</u></p> <ul style="list-style-type: none"> • Current studies will need to be updated. The County will need to increase maintenance resource allocation, thus affecting the service levels in other areas. <p><u>Financial:</u></p> <p>Further delaying these projects could result in greater costs in the long run. as on gong maintenance costs will likely continue to rise.</p> |
| Follow up Action | <ol style="list-style-type: none"> 1. Administration will proceed with the short-term remediation works for RR 261A. 2. Administration will proceed with a Request for Proposal (RFP) to start the detail design of Meadowview Drive and RR 261A. 3. After finalizing the RFP process, a Debenture Bylaw will be brought back to Council for approval before starting the design work. |
| Attachment(s) | <ol style="list-style-type: none"> 1. May 28, 2013 Request for Decision 2. RR 261A KCB Initial Slope Assessment Report 3. RR 261A Site Location Plan View |
| Report Reviewed by: | <p></p> <p>Brian Hartman, Manager, Engineering Services</p> <p></p> <p>Collin Steffes, General Manager, Integrated Growth Division</p> <p></p> <p>Bill Minnes, 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 |
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| Strong Local Governance and Regional Leadership | | | |
| <i>We promote consistent and accountable leadership through collaborative and transparent processes (Strategic Plan, pg. 27 MDP)</i> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <ul style="list-style-type: none"> • <i>Consistent with neighborhood role (see MDP), master plans, policies</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>Has a positive impact on regional and sub-regional cooperation</i> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Respect the Natural Environment | | | |
| <i>We acknowledge the importance of a healthy environment and will minimize and monitor our impact on ecosystems (Strategic Plan, pg. 27 MDP)</i> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <ul style="list-style-type: none"> • <i>Compliance with Provincial and Federal regulations and/or legislation</i> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <ul style="list-style-type: none"> • <i>Ensure effective environmental risk management</i> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Community Identity & Spirit | | | |
| <i>We will build upon our strengths, where together we will create an inclusive, caring community (Strategic Plan, (Strategic Plan, pg. 27 MDP)</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>Enhances service provision through community partnerships</i> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> • <i>Supports Sturgeon County's cultural history</i> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 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, pg. 27 MDP)</i> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <ul style="list-style-type: none"> • <i>Does the proposal align with the Integrated Regional Growth Strategy (map/policies) pg. 26 MDP</i> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <ul style="list-style-type: none"> • <i>Considers cumulative costs and long-term funding implications</i> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <ul style="list-style-type: none"> • <i>Targets growth around current or planned infrastructure</i> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Maintain and Enhance Strong Communities | | | |
| <i>We are committed to a safe, secure community, where our residents are respected and provided with access to opportunities. (Strategic Plan, pg. 27 MDP)</i> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <ul style="list-style-type: none"> • <i>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>Supports and promotes volunteer efforts</i> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> • <i>Provides programs and services that are accessible to all residents</i> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Operational Excellence | | | |
| <i>We have the organizational capability to deliver consistent and defined levels of service to all stakeholders in a professional, efficient, and cost effective manner</i> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <ul style="list-style-type: none"> • <i>Staff have the knowledge, skills and capability to perform their jobs</i> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <ul style="list-style-type: none"> • <i>Streamlines operational processes and policies</i> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <ul style="list-style-type: none"> • <i>Promotes engagement and professional interaction with stakeholders</i> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <ul style="list-style-type: none"> • <i>Considers a cost-structure which allows Sturgeon County to remain competitive within a regional, national and global context</i> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |