

ACTION REQUEST – Transportation Services	
To:	Warden and Members of Council
Date of Meeting:	June 16, 2021
Subject:	2025-55-432-Culvert Lining Tender

RECOMMENDATION(S):

THAT the Council of the United Counties of Stormont Dundas and Glengarry accept the joint tender from Aqua Drain Sewer Services Inc. for culvert lining at their unit prices totaling \$665,960.35 plus HST.

The joint tender includes the following:

- The United Counties of SDG (\$496,597.05)
- The City of Cornwall (\$169,363.30); and

THAT the Manager of Capital Works be authorized to sign all necessary documents to give effect to the contract.

EXECUTIVE SUMMARY:

Culvert lining work is an annual budgeted item and incorporated in the 2025 budget.

BACKGROUND:

The culvert lining contract includes the installation of cured-in-place and/or PVC liners for twenty-one culverts at various locations within SDG Counties. The specified liners are designed to function as independent pipes, stabilizing the existing culverts and restoring their structural integrity. Staff anticipates a service life of 50 years following rehabilitation.

A summary of the bids, excluding H.S.T., is provided in Table 1.

Table 1: Summary of Bids

Company	Total Tendered Price
Aqua Drain Sewer Services Inc	\$665,960.35
Edgewater Sewer Services Inc	\$678,995.00
Clearwater Structures Inc- CMS Inc	\$697,508.00
Capital Sewer Services Inc	\$1,084,029.00

OPTIONS AND DISCUSSION:

1. **Approve the tender** - Recommended. As noted in the Financial Analysis, the tendered value is within the estimated budget. This option is recommended.
2. **Do not approve the tender** - Not recommended.

FINANCIAL ANALYSIS:

A detailed review of the Culvert Lining Tender has confirmed that the 2025 rehabilitation work will be within budget.

Table 2: Total Culvert Lining Costs (County Only)

Description	Total Tendered Price
Culvert Lining	\$496,597.05
Net HST	\$8,740.11
Contingency	\$ 25,000.00
Total	\$530,337.16
Budget (55-431) Culvert Replacement	\$420,000.00
Budget (55-432) Culvert Lining	\$275,000.00
Budget (50-431) Operations Portion	\$78,654.25
Budget Combined Total	\$773,654.25
Surplus	\$243,317.09

As noted in Table 2, SDG Counties has allocated \$275,000 for culvert lining rehabilitation and \$420,000 for conventional culvert replacement in 2025, specifically for culverts impacted by capital construction projects. The operational portion of \$78,654.25 is included as part of the overall maintenance replacement budget, which totals \$315,000.

Culvert lining is a cost-effective rehabilitation method that uses the existing culvert as a structural form, allowing the existing granular road base and asphalt surface to remain undisturbed. This approach significantly reduces material costs and minimizes traffic disruptions.

Conventional culvert replacements completed using in-house forces typically cost between \$45,000 and \$60,000 per culvert. This cost range is influenced by factors such as pipe size, pipe depth, pipe length, and water management. In comparison, the average cost to line a culvert under the current contract is approximately \$14,835 per culvert, for sizes ranging from 300mm to 1100 mm. This cost-effective



approach enables SDG Counties to rehabilitate a greater number of culverts within the same budget.

A second culvert lining tender is currently posted, with a scheduled closing date in June. Surplus funds identified through the financial analysis will be directed toward completing the additional work. The tender results and proposed scope of work will be presented to Council in July.

LOCAL MUNICIPAL IMPACT:

This was a joint tender available to all local municipalities.

RELEVANCE TO STRATEGIC PRIORITIES:

Investments in infrastructure (both capital and maintenance) align with Council's guiding principles. Well managed infrastructure assets are the cornerstone of sustainability of our region.

OTHERS CONSULTED:

- City of Cornwall
- Director of Financial Services/Treasurer.

ATTACHMENTS:

N/A

RECOMMENDED BY:

Dana Grant
Manager of Capital Work – Roads

APPROVED BY:

Maureen Adams
CAO