



The Corporation of the Municipality of Wawa
Staff Report

Office of the Director of Community Services and Tourism

Prepared For: Committee of the Whole	Report No.: AP 2024-01
Agenda Date: January 16, 2024	File No.: C11

Subject

This report concerns the Wawa Drill Rig Monument (drill rig) and provides Council with an update on the work completed to date as staff prepare for repairs.

Summary of the Recommendation


THAT the Council of the Municipality of Wawa direct staff to continue with making safety critical repairs to the Drill Rig as described in this report.

Summary of the Issues

The drill rig began a noticeable lean which was monitored by staff for the past 2 years. In the spring of 2023, staff observed that the lean had worsened, and Tulloch Engineering was contracted to provide staff with a report on the structural integrity of the monument. Staff worked with a local contractor to come up with alternative solutions and pricing for repairs and re-leveling the Drill Rig.

List of Stakeholders

- Municipal Council
- Ratepayers
- Tourists
- Retired miners and AOD staff
- Municipal Staff

Respectfully Submitted By: 	Prepared By: Alex Patterson, Director, Community Services and Tourism
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Purpose of Report

This report originates from inspections of Municipal infrastructure that staff complete on regular intervals. As part of monthly inspections, Staff of the Community Services and Tourism (CST) department noticed that the Drill Rig was beginning to lean in a way that was noticeable to the eye as early as fall 2021, and was noted by staff inspections as an observation in spring 2022. Staff began by taking regular pictures of the Drill Rig and in the spring of 2023 the lean had noticeably changed. This prompted staff to contract Tulloch Engineering to complete a structural review and assessment of the monument.

Due to the public nature, costs involved, and the historical importance of the monument, staff reviewed several options not identified in the engineer's report with a variety of local sources. After this information gathering, staff contacted the Engineer to review additional options, all of which are contained in this Report.

Since reporting to Council, staff have worked with a local contractor, North Star Fusion, to develop alternative lifting and reinforcement options to level the unit.

Analysis

Engineering Drawings

After receiving direction from Council to repair the drill rig, staff gave Tulloch Engineering (the "engineer") direction to prepare the necessary drawings to complete levelling and stabilization repairs on the drill rig. These drawings were completed and reviewed by staff before being sent to local welding companies for quotations on the work.

The engineering drawings can be found in **Appendix A**

Alternative Lifting and Reinforcements

The Director of CST received 2 Quotations from local welding and fabrication companies to compare with the Class D cost estimates provided by the engineer. With these three prices, staff selected North Star Fusion (the "contractor") and reviewed their proposed alternatives with the engineer. After a meeting between the Municipality, the Contractor, and the Engineer, staff received a final letter from the Engineer confirming that the alternative work methods were suitable to level the Drill Rig.

The contractor's proposal can be found in **Appendix B**
Confirmation of the proposal's suitability can be found in **Appendix C**

Current Site Conditions and Work Plan

Staff have been monitoring the drill rig since the receipt of the preliminary engineers’ report. The rig seems to have settled at the 2.5% grade that corresponds with the slope of the concrete pad, and the cracking in the cylinder has not grown since the initial assessment.

The contractor received the materials the week of January 8th and began pre-fabricating support column extensions in preparation for levelling the unit. On-site repairs are coordinated between the Municipality and the Engineer and are scheduled to be completed on January 18th-19th pending on safe winds and reasonable working weather.

Financial/Staffing Implications

Cost Forecast and Expenses

To date, staff have incurred engineering expenses and accepted a quotation for services for the fabrication and repair of the drill rig. The cost breakdown is as follows:

Item	Cost
Preliminary Engineering Report	\$3,955
Engineered Drawings and Review	\$14,871
Quote - Repairs	\$17,065
Total to-Date	\$35,891

****NOTE:** This cost forecast does not include any contingencies or issues with fabrication. It does not include final engineering and weld inspection.

Staff expects that a final welding inspection and report will cost approx. \$5,000, bringing the total project cost into the \$40,000 range, in line with previous staff estimates on the project.

An additional cost estimate of \$10,000 for painting the unit should be considered if the unit is to remain based on the decision of Council. Staff are currently in the process of gathering pricing information for this project.

Policies Affecting Proposal

Municipal Strategic Plan and Wawa 5 Year Tourism Action Plan

In both of these plans the state of the downtown is of key concern. By maintaining or removing infrastructure that is damaged, it will continue to beautify the area. While there are several options on how to deal with the issue at hand, the ones considered by staff (removal, repair) both provide opportunities to beautify the area.

Comments from Relevant Departments/Community and Corporate Partners

Consultations for this report are noted in the Analysis section of this report.

Alternatives

No alternatives recommended – project is underway.

Conclusion

This report provides Council with an update and recommendation on contractor to complete the Drill Rig repairs. Under our purchasing policy, staff is providing Council with the information on tasks completed under Council direction and seeks Council's endorsement on these activities.

Recommendation

THAT the Council of the Municipality of Wawa direct staff to continue work on repairing the Wawa Drill Rig as per the information contained in staff report AP 2024-01.

Attachments

Appendix A: Engineering Drawings

Appendix B: Proposal – North Star Fusion

Appendix C: Letter – Tulloch Engineering re: Proposal Suitability

End of Report.