



## Staff Report

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**Report To:** Dan Best, Chief Administrative Officer  
**From:** **Megan Goss, Acting Manager**  
**Date:** June 17 2019  
**Report:** PW 07.2019  
**Subject:** Huron County LED Stop Signs

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### Recommendations:

**That** South Huron Council receives the report from Megan Goss, Acting Manager regarding Huron Country LED Stop Signs, for information purposes.

### Purpose:

As a follow up to Council's request for Information.

### Background and Analysis:

The County of Huron has purchased and installed a few LED stop signs and stop ahead signs as a pilot project. The signs have been a challenge. The intent was to install these in a number of locations. However, they have experienced a significant number of reliability issues with the lights, controller, battery, and the physical signage. The County has been working with the manufacturer and vendor of the product, to work through the issues and make some improvements. Both supplier and manufacturer have been good to work with and have provided replacements and extra warranties, and have accepted returns of most purchases. Some challenges include:

- 1) Ongoing failures of the power supply which is linked to controller failures.
- 2) Both sign and controller have been replaced will monitor to see if this has resolved the issue.
- 3) The signs themselves are structurally inadequate. Currently investigating stock signs to make them able to better withstand

snow/wind loadings, and to attempt to make them somewhat resilient to a knock-down.

- 4) Additionally, the angle of installation of the sign is quite sensitive to get best visibility of the LEDs. This issue has been resolved.

Generally, the County of Huron will be moving forward with these signs if the signs can be made reliable. The County has had great feedback about the signs. They expect to use them in County intersections that have some history of incidents but do not warrant higher order controls.

The County intends on installing a set in Blyth in the coming months with perhaps some additional options that include traffic movement sensors that will control what happens with the LEDs (i.e. higher intensity or rapid flash for vehicles approaching over some speed threshold). The manufacturer is producing more structural. The installation is still considered a pilot to validate the reliability before more are installed. These signs are expensive but are a good option for those problematic intersections.

**Operational Considerations:**

Not applicable.

**South Huron's Strategic Plan:**

Not applicable.

**Financial Impact:**

Not applicable

**Legal Impact:**

Not applicable

**Staffing Impact:**

Not applicable

**Policies/Legislation:**

Not considered.

**Consultation:**

Mike Hausser, Manager of Public Works, Huron County

**Related Documents:**

None

Respectfully submitted,

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**Megan Goss, Acting Manager**