Attendance:

Chair: Councillor Brian Thompson

Members: Councillor Nancy Alcock
            Councillor Dan Armour
            Councillor Jason FitzGerald
            Councillor Tim Withey *Arrived at 1:37 p.m.*

Staff: Crystal Best-Sararas Deputy Clerk *(Recording Secretary)*
       Denise Corry Chief Administrative Officer
       Brandon Hall Engineering Technician
       Steve Hernen Director of Operations and Protective Services
       Kari Lambe Director of Community Services
       Colleen MacDonald Manager of Parks and Cemeteries
       Gary Monahan Deputy Fire Chief
       Lee Ripenburg Manager of Operations
       Madeleine Robins Customer Services Representative, Transportation Infrastructure

Guests: Deputy Mayor Karin Terziano

1. **CONVENE**

   Moved by Jason FitzGerald  

   **IT IS RECOMMENDED THAT:** We do now convene as a meeting of the Operations and Protective Services Committee at 1:30 p.m. 

   Carried.

2. **ADOPTION OF AGENDA**

   Moved by Jason FitzGerald  

   **IT IS RECOMMENDED THAT:** The Operations and Protective Services Committee Meeting Agenda dated Tuesday, January 29, 2019 be adopted as printed and circulated. 

   Carried.

3. **DISCLOSURE OF PECUNIARY INTEREST**

   Nil
4. **DEPUTATIONS**

4.1 **Commercial Property Entrance - 876 Greer Road**

Bridgette Kenny and Dave Leslie requested committee consider staff recommendation to allow an entrance permit for 876 Greer Road.

**Report OPS-2019-04 Commercial Property Entrance - 876 Greer Road**

Moved by Jason FitzGerald

**IT IS RECOMMENDED THAT:** Staff be directed to approve the entrance permit for 876 Greer Rd., described as Part Lot 22, Conc. 8, Plan 35R-21819, Part 1 based on the conditions outlined in Report OPS-2019-04.

Carried.

5. **NEW BUSINESS**

5.1 **Committee Mandate Letter**

Councillor Withey arrived at this time.

Motion to Amend

Moved by Nancy Alcock

**IT IS RECOMMENDED THAT:** The following be added at the end of the first paragraph:

> with the following amendments:

**Under Roads and Bridges:**

Hereby strike out:

- Pursue the elimination of District Road Department – downloading roads to the local level

And insert in its place:

- Pursue downloading District Roads to the local level as determined to be mutually viable

Carried.

Main Motion as Amended

Moved by Jason FitzGerald

**WHEREAS:** The Operations and Protective Services committee supports the Operations and Protective Services priorities as outlined in the 2018-2022 Term of Council Mandate Letter with the following amendments:
Under Roads and Bridges:
Hereby strike out:
  • Pursue the elimination of District Road Department – downloading roads to the local level

And insert in its place:
  • Pursue downloading District Roads to the local level as determined to be mutually viable

**THEREFORE IT IS RECOMMENDED THAT:** The priorities be incorporated into the 2018-2022 strategic plan.  

Carried.

5.2 **Storm Sewer Work - Finding from Phase 1 and 2**

Brandon Hall and Sean Wetmore presented committee with the Town’s storm sewer assessment and inventory program to date. (Schedule “A”)

5.3 **Winter Plowing**

Lee Ripenburg shared YourTV’s videos of winter plowing ([https://www.yourtv.tv/muskoka/videos?page=1](https://www.yourtv.tv/muskoka/videos?page=1)) in the Town of Huntsville as well as provided and overview of the 2018 and 2019 winter operations. (Schedule “B”)

6. **REPORTS FROM MUNICIPAL OFFICERS**

6.1 **Report OPS-2019-04 Commercial Property Entrance - 876 Greer Road**

This item was previously addressed.

6.2 **Report OPS-2019-05 Street Sweeping Contract Level Of Service**

Moved by Tim Withey

**IT IS RECOMMENDED THAT:** All streets within the entire Town of Huntsville be swept clean of previous years’ winter sand material including all rural roads;

**AND FURTHER THAT:** The additional $15,000.00 cost be forwarded to council for 2019 budget considerations.  

Carried.

6.3 **Report OPS-2019-01 Road Assumption - Phase 3 of Woodland Heights Subdivision (Natures Way)**

Moved by Jason FitzGerald

**IT IS RECOMMENDED THAT:** The Town of Huntsville assume ownership and maintenance of Natures Way;
AND FURTHER THAT: A road assumption By-law be prepared for Council's consideration;

AND FURTHER THAT: The Mayor and Clerk be authorized to sign any necessary documentation. Carried.

7. GENERAL INFORMATION

Nil

8. ADJOURNMENT

Moved by Jason FitzGerald

IT IS RECOMMENDED THAT: We do now adjourn at 3:04 p.m. Carried.

Chair (Councillor Brian Thompson)
Background

- The Town of Huntsville owns and maintains over 20km of storm sewer infrastructure.
- Records were not complete, outdated, and not in a readily available GIS format.
- Five Zones delineated for the study.
- Zone 1 & Zone 2 have been inspected so far...
- Remaining Zones (3, 4, and 5) to be completed in 2019
Before: Existing data was linear linework, no structures shown, included gutters (blue).

After: New data. All sewer lines verified. Structures shown. Data can be joined to GIS Shapefiles.
Procedure

• The flusher will attempt to flush the line three times.
• The camera operator drives the truck through the pipe and notes all defects.
• The coding is assessed and reduced down to a tier rating system.

Engineers Four Tier Rating

• **Rating “A”** – The pipe is in good overall condition.
• **Rating “B”** – The pipe has some minor defects and should be monitored.
• **Rating “C”** – The pipe has enough defects or singular defect to warrant replacement or repair. The pipe will function in the short-term.
• **Rating “D”** – The pipe has defects which impact its function, and must be replaced as soon as possible.
Engineers Recommendations

- **“None”** – The pipe segment is in good condition.
- **“Monitor”** – Some defects were found and may worsen over time.
- **“Repair”** – There are defects in the pipe which may be feasible to repair.
- **“Replace”** – Pipe replacement required.

Examples

- **Rating “A”**
  - None, or minor structural defects.
  - Minor O&M needs.
  - None
  - STP2-0008
  - (Good condition)

- **Rating “B”**
  - Defects present low structural damage.
  - May have O&M needs.
  - Monitor
  - STP2-0065
  - (Sediment in pipe)

- **Rating “C”**
  - Defects which impact function of pipe or serious O&M needs.
  - Rehab
  - STP2-0043
  - (Offset pipe joint)

- **Rating “D”**
  - Major structural defects which are impacting function and require attention.
  - Replace
  - STP2-0098
  - (Hole forming in pipe)
Project Findings Summary to Date

ENGINEER’S RATING SUMMARY

<table>
<thead>
<tr>
<th>Rating</th>
<th>“A”</th>
<th>“B”</th>
<th>“C”</th>
<th>“D”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meters</td>
<td>7,140</td>
<td>1,571</td>
<td>1,199</td>
<td>681</td>
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<tr>
<td>%</td>
<td>67.4%</td>
<td>14.8%</td>
<td>11.4%</td>
<td>6.4%</td>
</tr>
<tr>
<td>Combined</td>
<td>82.2%</td>
<td>17.8%</td>
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</tbody>
</table>

- A total of 10.6km of storm sewer pipe has been inspected.
- 82% of the pipe inspected had a rating A or B, in good condition.
- 18% of the pipe inspected had a rating of C or D, should be monitored.
- 6% of the pipe inspected had a rating of D and require attention (20 pipes).

‘D’ Rated Example #1 – STP1-0036

STP1-0036 (Dufferin St.)
- 14.4m long 300mm diameter concrete pipe with plastic splice.
- 20.5% slope
- 1.9m deep
- 5 major structural defects
- Survey abandoned due to offset joint.

Engineer’s Rating: 'D'

Engineer’s Recommendation: Replace

- Large joint offset 8.1m upstream, 1.9m below road
- Hole in pipe with soil visible, 7.2m upstream and 1.9m below road
‘D’ Rated Example #2 – STP1-0032

STP1-0032 (Caroline St. W.)
- 38m long 250mm diameter concrete pipe at a 3% slope with a plastic splice
- 1.2m deep
- 4 major structural defects
- Previously repaired

Engineer’s Rating:
‘D’

Engineer’s Recommendation:
Replace

Hole in pipe 16.7m downstream, 1.2m below road

Wide circumferential cracks at 1.4m downstream, 1.2m below road.

‘D’ Rated Example #3 – STP1-0127

STP1-0127 (Knotty Pine Tr.)
- 60m long 375mm diameter concrete pipe at a 5% slope.
- 2.5m deep
- 5 major structural defects
- Previously repaired

Engineer’s Rating:
‘D’

Engineer’s Recommendation:
Replace

Numerous longitudinal cracks throughout length.

Large hole in pipe with soil visible at 45.2m downstream, 2.5m deep.
What can we use this information for?...

- Mitigate damage to surrounding infrastructure.
- Identify sewer that can be repaired instead of replacing.
- Combine repairs/replacements with other planned construction projects.
- Make sure existing pipes won’t interfere with future projects underground.
- Event based Town-wide stormwater modeling.

Questions / Comments?
Public Works Department

Prepared by:
Lee Ripenburg, Manager of Operations
Steve Hernen, Director of Operations and Protective Services

Pilot Project

- Well received by staff & overall performance
- Many new faces (since Jan. 2018) – 5 full-time, 7 seasonal, 3 full-time pilot program
  71% of total staffing complement.
- Continual review of project – brainstorming of ideas for changing if necessary
- Social media for communicating to residents
Plowing/Sanding/Salting

**STATS**

**November 2018 to Present**

- 34 days of plowing and sanding/salting utilizing all staff:
- 4,853 total staff hours
- 86,256 kilometres

1 day totals for a plowing event (average):
- $35,679 incl. material, fuel, staff wages
- 1,233 litres of fuel usage
- 364 tonnes of sand & salt used
- Trucks will be driven avg. 2,324 kms

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**Snow Removal Activities**

<table>
<thead>
<tr>
<th>Area</th>
<th>No. of times removed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Huntsville Town core</td>
<td>1</td>
</tr>
<tr>
<td>Port Sydney</td>
<td>1</td>
</tr>
<tr>
<td>Side streets</td>
<td>1</td>
</tr>
<tr>
<td>Turn-arounds/cul-de-sacs</td>
<td>2</td>
</tr>
<tr>
<td>Parking lots</td>
<td>2-3</td>
</tr>
</tbody>
</table>

**Total number of loads removed**

- 600 -
Snow Removal

Loader & trucks

Snow Removal

Grader, sidewalk machine and snow blower attachment, trucks