Regional Municipality of Waterloo
Planning and Works Committee
Minutes

Tuesday, April 14, 2015
9:05 a.m.
Regional Council Chamber
150 Frederick Street, Kitchener, ON


Members absent: K. Kiefer and S. Strickland

Declarations of Pecuniary Interest Under The Municipal Conflict of Interest Act

K. Redman declared a pecuniary interest regarding report PDL-LEG-15-36, Authorization to Expropriate Lands (1st Report) for Manitou Drive Improvements (Homer Watson Boulevard to Bleams Road), in the City of Kitchener due to her husband being one of the principal owners.

Delegations

a) TES-TRP-15-03, Posted Speed Limit Reductions Near Schools

Bob Henderson, Manager, Transportation Engineering introduced the report and provided a presentation that is appended to the original minutes. The presentation highlighted: Regional Practices; Example Setting Appropriate Speed; Impacts of Arbitrarily Reducing Speed Limits; Example Impacts on Driver Speeds; City of Kitchener Pilot impacts on Driver Speeds; City of Waterloo Impacts on Driver Speeds; Example of Safety Impacts, and Conclusion.
i) Chris Martin-Root appeared before Committee stating he is a resident of New Dundee and he thanked Mayor Les Armstrong and the Township of Wilmot for requesting the speed restrictions. He stated he represents four Wilmot Township schools Baden, Grandview, Forest Glen and New Dundee Public School noting the schools created a letter highlighting their support for speed restrictions in school zones. He stated that they would like to see the speed limits lowered to 40 km/h to help create a safe school zone. He asked that Council vote to support a permanent and consistent speed restriction.

B. Henderson provided clarification on the statistics presented, signage, electronic signs, and road geometrics.

L. Armstrong made a motion to lower speed limits in school zones to 40 km/h in the Region. He stated the proposed motion is for the safety of the kids to help make a difference.

Moved by L. Armstrong

Seconded by S. Shantz

That the Regional Municipality of Waterloo approve the reduction in speed limits to 40 km/h in all school zones on Regional Roads in the Region of Waterloo.

S. Shantz proposed a friendly amendment that states speed limits will reduce to 40 km/h from 60 km/h and reduce to 60 km/h from 80 km/h.

Clarification was made on the motion stating the motion would be for all schools on Regional roads including private schools and the reduction of speed would be all year round.

A lengthy discussion occurred around education, enforcement, signage, electronic signs, data gathered, and consequences of reducing speed. Staff provided information on how the geometrics of a road reduce speed. Some Committee members noted more information was needed on how many schools are located on Regional roads stating the proposed motion would reduce speeds on Westmount Road and other major roads in multiple locations.

Moved by L. Armstrong

Seconded by S. Shantz

That the Regional Municipality of Waterloo approve the reduction in speed limits to 40 km/h from 60 km/h and 60 km/h from 80 km/h in all school zones on Regional Roads in the Region of Waterloo.
Motion Lost

B. Vrbanovic introduced a motion that directs staff to report back on additional information on flashing signs in school zones, costs and prioritize school zones on Regional roads and to consult with lower tier municipalities.

Moved by B. Vrbanovic

Seconded by S. Shantz

That Regional Council approve in principle the implementation of School Zone Maximum Speed when Flashing Signs in all school zones along Regional roads;

And that the issue be referred back to Regional staff for the following to occur before coming back to Council:

i) An implementation report including costs and priorities for school zones on Regional roads
ii) Consultation with lower tier municipalities to co-ordinate with possible school zones on local streets

And further that the issue come back by the end of 2015, so any impacts can be factored into the 2016 budget.

Some Committee members expressed concerns that the motion introduced is suggesting that flashing signals is the only option and is requesting that Committee make a commitment on an option when more information is needed. It was highlighted that the motions intent is made in principle and reflects the direction some Committee members want to go in.

A Committee member commented that if money is going to spent it should be spent on methods that are proven to work such as pedestrian refuges, traffic calming and the geometrics of the road. It was suggested that a pilot project take place by selecting a couple of schools and introducing some of those methods.

G. Lorentz brought forward a motion to defer B. Vrbanovic’s motion until the next Council meeting on Wednesday, April 22, 2015 to allow staff time to prepare a recommendation that is all encompassing that Committee can support that lays out a plan for the near and distant future since this issue affects all citizens.

Thomas Schmidt, Commissioner, Transportation and Environmental Services noted that staff can come back with a report that gives clear direction to staff on what Committee is looking for that highlights solutions to safety in school zones not just speed reductions and flashing lights.

Moved by G. Lorentz
Seconded by D. Craig

That the Region of Waterloo defer B. Vrbanovic’s motion until the next Council meeting held on Wednesday, April 22, 2015.

Carried

**Request to Remove Items from Consent Agenda**

G. Lorentz asked that item 4a) be removed from the Consent Agenda.

a) TES-DCS-15-08, 2015 Road Construction Activity in Waterloo Region

Received for Information.

G. Lorentz pointed out the poor condition of Ira Needles Boulevard due to widening it last year and asked staff if there are plans to resurface it. Marcos Kroker, Acting Head Transportation Rehabilitation Program stated the rough spots will be cleaned up but currently it is not in the budget to resurface it but did note they will be doing a warranty review which typically happens one year after completion.

**Motion to Approve Items or Receive for Information**

Moved by K. Redman

Seconded by J. Mitchell

That the following items be approved:


And that the following items be received for information:

- Kitchener Wastewater Treatment Plant - Contract 3 - Headworks and Secondary Treatment, and Contract 4 - Tertiary Treatment and Outfall – Pre-Construction Information Package in Advance of Public Information Centre

- Highland Road Improvements, Fischer-Hallman Road to Ira Needles Boulevard, City of Kitchener - Information Package in Advance of Public Consultation Centre #1

- TES-TRS-15-10, Preferred 2015 Grand River Transit Service Improvement Plan – Public Information Centres
• PDL-15-02, Supporting the Big Shift with Age-Friendly Development – Final Report of the Canadian Urban Institute

   Carried

Reports – Transportation and Environmental Services

Design and Construction

a) TES-DCS-15-09, Ottawa Street Improvements, Highway 7 Eastbound Ramp to Lackner Boulevard, City of Kitchener – Approval of Project

   Moved by K. Redman
   Seconded by B. Vrbanovic

   That the Regional Municipality of Waterloo:

   a) approve the proposed improvements on Ottawa Street (Regional Road 4) from the Highway 7 Eastbound Ramp to Lackner Boulevard in the City of Kitchener as outlined in Report TES-DCS-15-09;

   b) direct staff to file the Notice of Completion for this Class Environmental Assessment Study by means of advertisements in local newspapers and mailings to adjacent property owners, tenants and agencies, and place the Environmental Study Report on the public record for a period of 30 days; and

   c) upon completion of construction, amend Traffic and Parking By-law 06-072, as amended, to add to Schedule 24, Reserved Lanes on Both Sides of Ottawa Street (Regional Road 4) from Highway 7 to Lackner Boulevard for Bicycles.

   Carried

Rapid Transit

b) TES-RTS-15-01, Railway Flagging Services for LRT Construction

   Moved by K. Seiling
   Seconded by W. Wettlaufner

   That the Regional Municipality of Waterloo approve the sole source provision of railway flagging services to be provided by Goderich-Exeter Railway Company Ltd. (GEXR) to support LRT construction in the estimated amount of $1,674,000.00 plus applicable taxes to be funded from the approved Rapid Transit budget.

   1851140
Transportation

c) TES-TRP-15-04, Herrgott Road (Regional Road 10) Speed Limit, in the Township of Wellesley

J. Nowak noted that the last traffic study was done in 2014 and there have been significant changes since the study was complete. He stated that a factory is being built which will increase truck traffic and he also pointed out that the Countryside Christian School is also a church which produces a lot of traffic.

J. Nowak introduced a motion that recommends the speed limit on Herrgott Road be reduced to 60 km/h from 80 km/h.

A Committee member stated they were opposed to reducing speed limits on Regional Roads unless a very good case could be made. It was pointed out that the business being established was established with the 80 km/h speed limit.

B. Henderson provided clarification on statutory default speed limits.

Moved by J. Nowak

Seconded by W. Wettlaufer

That the Regional Municipality of Waterloo amend Traffic and Parking By-law 06-072, as follows:

- a) Remove from Schedule 18 – Rates of Speed, 80 km/h on Herrgott Road (Regional Road 10) from 300 metres south of Line 86 (Regional Road 86) to 450 m north of Sunset Drive;
- b) Add to Schedule 18 – Rates of Speed, 80 km/h on Herrgott Road (Regional Road 10) from 300 metres south of Line 86 (Regional Road 86) to Geddes Street;
- c) Add to Schedule 18 – Rates of Speed, 60 km/h on Herrgott Road (Regional Road 10) from Geddes Street to Ament Line (Regional Road 17); and
- d) Add to Schedule 18 – Rates of Speed, 80 km/h on Herrgott Road (Regional Road 10) from Ament Line (Regional Road 17) to 450 m north of Sunset Drive.”

Carried

d) TES-TRP-15-06, 2015 Roundabout Education

Received for information.

1851140
B. Henderson provided a presentation that highlighted Roundabout Education Campaign, Past Campaigns, 2015 Roundabout Education Continue, and Educational Video. A copy of the presentation is appended to the original minutes.

The new roundabout video was shown and it was noted that the video will be available on the Region’s website.

B. Henderson responded to Committees’ question regarding trucks maneuvering through roundabouts stating truck drivers were instructed to straddle both lanes in a roundabout.

**Waste Management**

e) TES-WMS-15-05, Preliminary Service Level Options for Consideration for a New Waste Collection Contract

Jon Arsenault, Director, Waste Management provided a presentation regarding waste management curbside collection policy considerations. He highlighted: Background Information; Public/Stakeholder Engagement; Objectives of Fall 2014 Engagement; Weekly Garbage Set Out; Bi-weekly Garbage Set Out; Options for Additional Waste; Engagement Summary; Opportunity to Divert More; Waste Collection – Current Services; Standardization/Best Practice; Curbside Collection Options; Timelines to a New Contract; and the Goal. A copy of the presentation is appended to the original minutes.

J. Arsenault responded to Committees’ questions regarding larger households, the use of clear bags, contract lengths, weight restrictions, fee for bag tags, education and promotion, metal pick up and the use of automated garbage pick up.

Moved by K. Redman

Seconded by J. Nowak

That the Regional Municipality of Waterloo approve a special meeting of the Planning and Works Committee for the evening of Wednesday, May 6, 2015, to allow for public feedback on the proposed collection service options presented in report TES-WMS-15-05, with the intent of a final service level option recommendation forthcoming in late May 2015.

Carried
Reports – Planning, Development and Legislative Services


Rob Horne, Commissioner, Planning, Development and Legislative Services introduced the report and briefly noted that the previous Council heard from delegations asking for more service in the Lovell Industrial Park area because of shift work and noted the ridership has increased 84% in that area.

Moved by D. Craig
Seconded by H. Jowett

That the Regional Municipality of Waterloo approve the projects included in the 2015 Implementation Plan for the Transit Supportive Strategy to enhance transit ridership in the City of Cambridge, as described in Report No. PDL-CPL-15-22, dated April 14, 2015 and summarized in Attachment A.

Carried

g) PDL-LEG-15-36, Authorization to Expropriate Lands (1st Report) for Manitou Drive Improvements (Homer Watson Boulevard to Bleams Road), in the City of Kitchener

Moved by K. Seiling
Seconded by G. Lorentz

That The Regional Municipality of Waterloo direct and authorize the Regional Solicitor to take the following actions with respect to the expropriation of lands for the reconstruction of Manitou Drive between Homer Watson Boulevard and Bleams Road, in the City of Kitchener, in the Region of Waterloo as detailed in report PDL-LEG-15-36 dated April 14, 2015:

A. Complete application(s) to the Council of the Regional Municipality of Waterloo, as may be required from time to time, for approval to expropriate land, which is required for the reconstruction of Manitou Drive and described as follows:

Fee Simple Partial Taking:

a) Part Lot 2, Registrar’s Compiled Plan 1521, being Parts 2, 3, and 4 on Reference Plan 58R-18262, being Part of PIN 22731-0021 (R), in the City of Kitchener (270 Manitou Drive, Kitchener);

b) Part Lot 1, Registrar’s Compiled Plan 1521, being Part 1 on 58R-18262, being part of PIN 22731-0020 (LT), in the City of Kitchener (262 Manitou

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Drive, Kitchener);

B. Serve notices of the above application(s) required by the Expropriations Act;

C. Forward to the Chief Inquiry Officer any requests for a hearing that may be received;

D. Attend, with appropriate Regional staff, at any hearing that may be scheduled;

E. Discontinue expropriation proceedings or any part thereof, in respect of the above described lands, or any part thereof, upon the registration on title of the required documentation to complete a transaction whereby the required interests in the lands are conveyed or if determined by the Commissioner of Transportation and Environmental Services that such lands, or any part thereof, are not required for the subject project; and

F. Do all things necessary and proper to be done, and report thereon to Regional Council in due course.

Carried

Information/Correspondence

a) Council Enquiries and Requests for Information Tracking List was received for information.

Other Business

a) W. Wettlaufer directed that staff provide Council when voting on segregated bike lanes to include information on the cost differential between the on road cycling lanes and the segregated bike lanes. T. Schmidt noted that staff can provide that information when the report comes forward to Council and during the Environmental Assessment phase.

b) J. Mitchell highlighted public concern with installing fences along the Ion in Waterloo Park and in other areas stating their concerns are regarding how high the fence will be and the material it will be made of. T. Schmidt stated that there may be a possibility of not having a fence highlighting that Grandlinq is currently looking into the requirements. He also stated that if a fence is installed it will be roughly 1.4 meters high. He noted that staff and City of Waterloo staff are currently looking at different options for fences and discussing how they will select a particular option. Darshpreet Bhatti, Director, Rapid Transit provided clarification on the fencing and governing agency.
c) B. Vrbanovic raised concerns with signs currently in place to address businesses being impacted by the construction of the Ion, noting they are difficult to read and asked what approach is being used to address those issues. D. Bhatti stated the intent of the signs is to show that the businesses along a particular corridor are open for business. He noted that the Region has no by-law or requirement to put up signs but that the Region is addressing concerns by posting those signs to inform the public that those businesses are still open.

Next Meeting – May 5, 2015

Adjourn

Moved by K. Redman

Seconded by H. Jowett

That the meeting adjourn at 12:10 p.m.

Carried

Committee Chair, T. Galloway

Committee Clerk, E. Flewwelling
Regional Practice

Set speed limit at or near observed average speed. This practice results in:

- More uniform traffic flows
- Less unsafe passing / tailgating
  - Fewer collisions
  - E.g. Rear-end, passing, head-on collisions
Posted Speed Limits

Example Setting Appropriate Speed

![Graph showing observed speed, average speed, and posted speed limit. The graph indicates that the observed speed is consistently above the average speed of 51 km/h, which is higher than the posted speed limit of 50 km/h.](image-url)
Posted Speed Limits

Impacts of Arbitrarily Reducing Speed Limits

average speed (52 km/h)

observed speed

average speed (51 km/h)

posted speed limit
## Posted Speed Limits

### Example Impacts on Driver Speeds

<table>
<thead>
<tr>
<th>Location</th>
<th>Posted Speed Before (km/h)</th>
<th>Posted Speed After (km/h)</th>
<th>Average Motorist Speed Change (km/h)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bridge Street, Chesapeake to Chesapeake</td>
<td>60</td>
<td>50</td>
<td>+5</td>
</tr>
<tr>
<td>Bridge Street, Eastbridge to Whitmore</td>
<td>60</td>
<td>50</td>
<td>+3</td>
</tr>
<tr>
<td>Sawmill, Northfiled to Flaxmill</td>
<td>50</td>
<td>40</td>
<td>-1</td>
</tr>
</tbody>
</table>
# Posted Speed Limits

## City of Kitchener Pilot

### Impacts on Driver Speeds

<table>
<thead>
<tr>
<th>Location</th>
<th>Posted Speed Before (km/h)</th>
<th>Posted Speed After (km/h)</th>
<th>85% Motorist Speed Change (km/h)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 Locations</td>
<td>50</td>
<td>40</td>
<td>-1.93</td>
</tr>
</tbody>
</table>
# Posted Speed Limits

## City of Waterloo

### Impacts on Driver Speeds

<table>
<thead>
<tr>
<th>Location</th>
<th>Posted Speed Before (km/h)</th>
<th>Posted Speed After (km/h)</th>
<th>Motorist Speed Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 Locations</td>
<td>50</td>
<td>40</td>
<td>3 locations speeds increased</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2 locations speeds decreased</td>
</tr>
</tbody>
</table>
## Posted Speed Limits

### Example Safety Impacts

<table>
<thead>
<tr>
<th>Location</th>
<th>Posted Speed Before</th>
<th>Posted Speed After</th>
<th>Total Collisions Before</th>
<th>Total Collisions After</th>
<th>Years Assessed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bridge Street, Chesapeake to Chesapeake</td>
<td>60</td>
<td>50</td>
<td>0</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>Bridge Street, Eastbridge to Whitmore</td>
<td>60</td>
<td>50</td>
<td>4</td>
<td>3</td>
<td>5</td>
</tr>
<tr>
<td>Sawmill, Northfiled to Flaxmill</td>
<td>50</td>
<td>40</td>
<td>0</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>
Thank-you
Roundabout Education Campaign

- The Region has been educating the public of Waterloo Region about roundabouts now for 10 years.
Roundabout Education Campaign

Past campaigns have addressed:

- Roundabout Signs
- Yielding
- No Passing / Overtaking
- Cycling
- Signaling
- How to cross as a pedestrian
- How to drive through a roundabout
Roundabout Education Campaign

Past campaigns have utilized:

- Television
- Radio
- Social Media
- Contests
- Pamphlets / Brochures
- Malls
- Libraries
- Hockey Arenas
2015 will see roundabout education continue:

- Updates to website
- On-street education using electronic signs
- Social media
- Region News (to all households)
- Free educational sessions for private business (new)
- New educational video
Roundabout Education Campaign

Educational video addresses:

- Failing to yield / aggression
- Failing to yield to pedestrians
- Unnecessary stopping
- Failing to signal
- Improper lane choice
Roundabout Education Campaign

Have you seen one of these drivers in a roundabout?

- WANTED Nonsignalator
- WANTED Pedestrian Interruptus
- WANTED Stopasaurus
- WANTED Wronglane-O-Saurus
- WANTED Neveryieldasaurus

Region of Waterloo
Waste Management Curbside Collection Policy Considerations
April 14, 2015
Background

• New WMMP study completed in fall of 2013 that established new direction for waste management
• The Region is growing: 729,000 residents by 2031
• The Region's residential waste diversion rate has plateaued at approximately 52%
• Approximately 15-20 years remaining disposal capacity
WMMP Recommendation

Diversion

- Consider curbside collection policy changes to increase diversion (e.g. bag limits, bi-weekly garbage collection, standardized Regional residential waste collection) and consider "user pay" options (e.g. bag tags)
October 2012 public meetings focused on curbside services and opportunities to improve diversion

Over 600 responses, online and in person at PICs
Objectives of Fall 2014 Engagement

- Inform residents of pending changes endorsed through WMMP (bag limits, bi-weekly collection, bag tags)
- Educate residents about possible curbside changes and what they mean
- Encourage public feedback on options endorsed through WMMP
- Use resident feedback to help develop curbside policy recommendations
Weekly Garbage Set Out

Average garbage bags per week
(Demographic survey)

Preferred weekly bag limit
(Demographic survey)
Bi-weekly Garbage Set Out

Households Could Manage Bi-Weekly Garbage Collection
(Demographic survey)

- Total: 50%
- HH 1-2 people: 57%
- HH 3-4 people: 49%
- HH 5+ people: 36%
- Green Bin Weekly: 60%
- No Green Bin Weekly: 40%

Preferred Bi-weekly Bag Limit
(Demographic survey)

- One: 10%
- Two: 21%
- Three: 12%
- Four: 23%
- 5-6: 18%
- 7+: 16%
Options for Additional Waste

Alternative Disposal Options
Percent Chosen First
(Demographic survey)

Transfer Station 22%
Bag Tags 41%
Store Items 37%

Demographic Survey

Alternative Disposal Options
Percent Chosen First
(Random survey)

Transfer Station 11%
Bag Tags 47%
Store Items 42%

Random Survey
Engagement Summary

- 2 bag weekly limit would serve majority of residents (86% based on curbside set out, 68% based on preference)
- 4 bag bi-weekly limit would serve majority of residents (86% based on current actions, 66% based on preference)
- Top 3 concerns with bi-weekly collection (smell, storage, animals) require education
- Residents overwhelmingly prefer curbside options for dealing with waste beyond bag limits
Opportunity to Divert More

- Curbside audits show too many resources are still being wasted and buried in the landfill:

  - 14% BLUE BOX
  - 53% GREEN BIN
  - 33% GARBAGE

% expressed by weight
# Waste Collection – Current Services

Contract expires March 4, 2017

150,000 homes/week (128,000 tri-cities, 22,000 townships)

<table>
<thead>
<tr>
<th></th>
<th>Blue Box Recycling</th>
<th>Green Bin</th>
<th>Garbage per property</th>
<th>Large Items</th>
<th>Yard Waste</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cambridge</td>
<td>Weekly collection</td>
<td>Weekly collection</td>
<td>Weekly collection</td>
<td>Weekly collection</td>
<td>April - November, Every second week</td>
</tr>
<tr>
<td>Kitchener</td>
<td>每週收集</td>
<td>每週收集</td>
<td>每月收集</td>
<td>每月收集</td>
<td>每週收集</td>
</tr>
<tr>
<td>Waterloo</td>
<td></td>
<td></td>
<td>10袋限制</td>
<td></td>
<td></td>
</tr>
<tr>
<td>North Dumfries</td>
<td>Weekly collection</td>
<td>If you receive weekly blue box collection:</td>
<td>Weekly collection</td>
<td>Monthly</td>
<td>If you receive weekly blue box collection:</td>
</tr>
<tr>
<td></td>
<td>Every second week in rural areas</td>
<td>Weekly</td>
<td>6袋限制</td>
<td></td>
<td>每週收集</td>
</tr>
<tr>
<td>Wellesley</td>
<td>Weekly collection</td>
<td>If you receive weekly blue box collection:</td>
<td>Weekly collection</td>
<td>Monthly</td>
<td>If you receive weekly blue box collection:</td>
</tr>
<tr>
<td></td>
<td>Every second week in rural areas</td>
<td>Weekly</td>
<td>3袋限制</td>
<td></td>
<td>每週收集</td>
</tr>
<tr>
<td>Wilmot</td>
<td>Weekly collection</td>
<td>If you receive weekly blue box collection:</td>
<td>Weekly collection</td>
<td>Monthly</td>
<td>If you receive weekly blue box collection:</td>
</tr>
<tr>
<td></td>
<td>Every second week in rural areas</td>
<td>Weekly</td>
<td>4袋限制</td>
<td></td>
<td>每週收集</td>
</tr>
<tr>
<td>Woolwich</td>
<td>Weekly collection</td>
<td>If you receive weekly blue box collection:</td>
<td>Weekly collection</td>
<td>Monthly</td>
<td>If you receive weekly blue box collection:</td>
</tr>
<tr>
<td></td>
<td>Every second week in rural areas</td>
<td>Weekly</td>
<td>3袋限制</td>
<td></td>
<td>每週收集</td>
</tr>
</tbody>
</table>
• Master plan approved recommendation
• Same limits and collection frequency for garbage, recycling, organics, bulky/appliances, and yard waste no matter where you live in the Region
• Streamlines education and awareness and reduces confusion about program requirements
• Weekly (2 bags or less) or Bi-weekly garbage collection shown to drive increased diversion
# Curbside Collection Options

<table>
<thead>
<tr>
<th>WASTE STREAM COLLECTED</th>
<th>OPTION 1 (Bi-Weekly)</th>
<th>OPTION 2 (Weekly)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blue Box</td>
<td>Weekly – Unlimited</td>
<td>Weekly - Unlimited</td>
</tr>
<tr>
<td>Green Bin</td>
<td>Weekly - Unlimited</td>
<td>Weekly – Unlimited</td>
</tr>
<tr>
<td>Garbage</td>
<td>Bi-Weekly – 4 Bag Limit (option to reduce further)</td>
<td>Weekly – 2 Bag Limit (option to reduce to 1)</td>
</tr>
<tr>
<td>Yard Waste (Apr–Nov)</td>
<td>Bi-Weekly</td>
<td>Bi-Weekly</td>
</tr>
<tr>
<td>Bulky Item/Appliances</td>
<td>Bi-Weekly – 3 item limit</td>
<td>Bi-Weekly – 3 item limit</td>
</tr>
</tbody>
</table>
Options 1 and 2 were compared versus:

- Diversion Potential – which option maximizes diversion from landfill
- Program Complexity – which option presents more of a challenge to implement
- Budget Implications – which option has greater potential for cost savings
## Curbside Collection Options

<table>
<thead>
<tr>
<th>COMPARITIVE ANALYSIS</th>
<th>OPTION 1 (Bi-Weekly)</th>
<th>OPTION 2 (Weekly)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diversion Potential</td>
<td>Estimated 5% to 10% increase in residential diversion rate or approx. 15,000 tonnes/yr diverted from landfill</td>
<td>Estimated 3% to 5% increase in residential diversion rate or approx. 8,000 tonnes/yr diverted from landfill</td>
</tr>
<tr>
<td>Program Complexity</td>
<td>More complex scheduling and promotion/education required. Expect more phone calls/complaints and administrative oversight.</td>
<td>Weekly garbage collection practice well established and easy to understand/implement. Less P&amp;E and administrative oversight</td>
</tr>
<tr>
<td>Anticipated Budget Implications</td>
<td>Net annual cost savings estimated at $500,000 to $1,500,000</td>
<td>Net annual cost savings estimated at $250,000 to $750,000</td>
</tr>
</tbody>
</table>
Both Options would increase program complexity and be expected to improve upon current residential collection metrics, however, Option 1 (Bi-weekly garbage) provides the greatest potential to:

- maximize diversion from landfill
- realize net cost savings

Option 1 preferred by staff
Curbside Collection Options

For either Option 1 or 2, would require:

• Flexibility to set out extra garbage (i.e. bag tag program)

• Consideration of special circumstances such as BIAs, medical exemptions, student areas, etc.

• Enhanced promo and education program and consideration of one-time provision of additional blue boxes/green bins
# Timelines to a New Contract

<table>
<thead>
<tr>
<th>ACTIONS/ACTIVITIES</th>
<th>WHEN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Report to P&amp;W – preliminary new collection contract service level options for consideration</td>
<td>April 14, 2015</td>
</tr>
<tr>
<td>Special P&amp;W session – public input/delegations</td>
<td>May 6, 2015</td>
</tr>
<tr>
<td>Final recommendation to P&amp;W</td>
<td>May 26, 2015</td>
</tr>
<tr>
<td>Final approval by Council</td>
<td>June 3, 2015</td>
</tr>
<tr>
<td>Proposal preparation and issue</td>
<td>May - July 2015</td>
</tr>
<tr>
<td>Proposal – vendor submission timeline</td>
<td>August – October 2015</td>
</tr>
<tr>
<td>Vendor submissions review</td>
<td>November 2015</td>
</tr>
<tr>
<td>Council approval; award to successful bidder</td>
<td>December 2015</td>
</tr>
<tr>
<td>Successful bidder – capital investments, permits, hiring, etc.</td>
<td>December 2015 – February 2017</td>
</tr>
<tr>
<td>New contract begins</td>
<td>March 6, 2017</td>
</tr>
</tbody>
</table>
The Goal!