Regional Municipality of Waterloo
Planning and Works Committee
Minutes

Tuesday, November 1, 2016
10:14 a.m.
Regional Council Chamber
150 Frederick Street, Kitchener


Members absent: D. Craig

Declarations of Pecuniary Interest under the Municipal Conflict of Interest Act
None declared.

Request to Remove Items from Consent Agenda
No items were removed from the Consent Agenda.

Motion to Approve Items or Receive for Information

Moved by S. Foxton
Seconded by B. Vrbanovic

That the following items be approved:


And that the following items be received for information:
2258742
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- PDL-CPL-16-45, An Update on the Implications of Smart Growth for Our Communities Act, 2015 (Bill 73)

- Reconstruction of Church Street East, 120 meters East of Spruce Lane to Arthur Street, Town of Elmira, Information Package in advance of Public Consultation Centre

- Ottawa Street / Bleams Road Improvements, Fischer-Hallman Road to Knechtel Court, City of Kitchener / Township of Wilmot, Information Package in advance of Public Consultation Centre

- Weber Street Improvements, Blythwood Road to Northfield Drive, City of Waterloo, Information Package in advance of Public Consultation Centre

- East Side Lands Wastewater Servicing Class Environmental Assessment, Information Package in advance of Public Consultation Centre

- TES-WAS-16-24, Additional Consultation for William and Strange Street Water Supply Class Environmental Assessment

- TES-TRS-16-22, University of Waterloo Transit Plaza Public Information Centre

Carried

Regular Agenda Resumes

Reports – Planning, Development and Legislative Services

Community Planning

a) PDL-CPL-16-47, Draft Wetland Strategy for Ontario, 2016-2030

A Committee member noted that the GRCA advised further consultation with public conservation authorities is necessary and they are looking for improved compliance mechanisms for the wetlands stewardship and awareness. They would like to see net gain incentives in support of the resurrection of previously drained wetlands.

Moved by K. Kiefer

Seconded by L. Armstrong
That the Regional Municipality of Waterloo take the following actions with respect to the Ministry of Natural Resources and Forestry’s document “Draft: A Wetland Conservation Strategy for Ontario 2016-2030”:

   a) Endorse the seven guiding principles in the document, but request that greater emphasis be given to the role of wetlands in adapting to the effects of climate change;

   b) Request the Province to initiate extensive and detailed consultations with the scientific and ecological planning community prior to further consideration of a “no net loss” approach to wetland conservation policy in Ontario; and

   c) Forward Report PDL-CPL-16-47, dated November 1, 2016 to the Ministry of Natural Resources and Forestry for consideration in the ongoing consultation on wetland conservation policies.

    Carried

b) PDL-CPL-16-48, Breslau (Greenhouse Road) GO Station

Moved by S. Shantz
Seconded by K. Redman

That the Regional Municipality of Waterloo take the following actions regarding the development of a new GO Station at Greenhouse Road, Breslau in the Township of Woolwich:

   (a) Endorse the location of the GO station as identified in Attachment “B” to Report PDL-CPL-16-48.

   (b) Request the Ministry of Transportation and Metrolinx to fully fund all costs associated with the new GO station as part of the Regional Express Rail 10-Year Program.

   (c) Forward Report PLD-CPL-16-48, dated November 1, 2016, to Metrolinx, the Ontario Ministry of Transportation, and the Township of Woolwich.

    Carried

Airport

   c) PDL-AIR-16-06, Airport Master Plan Update

Received for information.

2258742
Committee members inquired about the length of time an Environmental Assessment (EA) is good for. Staff noted they will follow up and report back to Council.

Committee members commented on the direction the airport was going but suggested being cautious on the staging. It was also highlighted that the airport is more than just passenger service it is an important part of the growing region.

Chair T. Galloway mentioned the Chamber of Commerce is hosting an event on November 15th, 2016, a point of view luncheon with Howard Eng regarding Southern Ontario Regional Airports Strategy.

Reports – Transportation and Environmental Services

Design and Construction

d) TES-DCS-16-18, Fall 2016 Construction Update

Received for information.

Thomas Schmidt, Commissioner, Transportation and Environmental Services introduced the report and highlighted that the construction so far has gone well with no major issues.

A Committee member inquired about the opening of Nafziger Road South of Snyder’s Road. Phil Bauer, Director, Design and Construction, noted there was a delay with the culvert and they hope to have the road open late this week or early next week.

e) PDL-LEG-16-74, Authorization To Expropriate Lands (1st Report) for Improvements to Fountain Street (Regional Road 17) City of Cambridge from Kossuth Road / Fairway Road to Cherry Blossom Road (Phase 1) – 1105 Fountain Street North, City of Cambridge

Moved by K. Redman

Seconded by K. Kiefer

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 Fountain Street North, City of Cambridge, in the Region of Waterloo as detailed in report PDL-LEG-16-74 dated November 1, 2016:

1. 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 improvements to Fountain Street North and described as follows:
Temporary Easement Partial Taking:

The right and easement, being a temporary easement in gross, for the free and unobstructed, right, interest and easement terminating on the 31st day of December, 2021, for itself, its successors and assigns, and anyone authorized by it, on over, under and through the following properties for the purposes of excavation, construction, installation, replacement, alteration, grading, and landscaping as required in connection with road widening improvements to Fountain Street (Regional Road 17) from Kossuth Road / Fairway Road to Cherry Blossom Road, City of Cambridge, Regional Municipality of Waterloo, and all related improvements works ancillary thereto and for such purposes, the free, unimpeded and unobstructed access to the lands at all times by employees, agents, contractors, workers and anyone authorized by it, and vehicles, supplies and equipment at all times and for all purposes and things necessary for or incidental to the exercise and enjoyment of the right and easement:

a) Part of Lot 18, Beasley's Broken Front Concession being Parts 1, 2, 3 and 4, on 58R-19087 being Part of PIN 03755-0043 (LT) (Part of 1105 Fountain Street N.) all in the City of Cambridge, Regional Municipality of Waterloo;

b) Part of Lots 18 and 19, Beasley's Broken Front Concession being Part 1 on 58R-19088 being Part of PIN 03755-0043 (LT) (Part of 1105 Fountain Street N.) all in the City of Cambridge, Regional Municipality of Waterloo;

c) Part of Lot 19, Beasley's Broken Front Concession being Part 2 58R-19089 being Part of PIN 03755-0043 (LT) (Part of 1105 Fountain Street N.) all in the City of Cambridge, Regional Municipality of Waterloo;

Temporary Easement Partial Taking:

The right and easement, being a temporary easement in gross, for the free and unobstructed, right, interest and easement terminating on the 31st day of December, 2021, for itself, its successors and assigns, and anyone authorized by it, on over, under and through the following properties for the purposes of construction and installation of alterations to an existing Storm Water Management Facility and appurtenances thereto as required in connection with road widening improvements to Fountain Street (Regional Road 17) from Kossuth Road / Fairway Road to Cherry Blossom Road, City of Cambridge, Regional Municipality of Waterloo, and all related improvements works ancillary thereto and for such purposes, the free, unimpeded and unobstructed access to the lands at all times by employees, agents, contractors, workers and anyone authorized by it, and vehicles, supplies and equipment at all times and for all purposes and things necessary for or incidental to the exercise and enjoyment of the right and easement:

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a) Part of Lot 19, Beasley's Broken Front Concession, being Part 1, on 58R-19089 being Part of PIN 03755-0043 (LT) (Part of 1105 Fountain Street N.) all in the City of Cambridge, Regional Municipality of Waterloo;

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

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

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

5. 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 or interest thereof, are not required for the subject project; and

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

Carried

Transportation

f) TES-TRP-16-23, Turtle Mortality Issue on Roseville Road (Regional Road 46) Township of North Dumfries

Received for information.

g) TES-TRP-16-24, LED Street Light Conversion – Update

Received for information.

Bob Henderson, Manager, Transportation Engineering, provided a presentation on the LED Street Light Conversion. He highlighted why LED, procurement process, resident concerns, light pollution, light trespass, glare, blue light and next steps.

In response to a member inquiry, B. Henderson explained light trespassing and noted that it is complaint driven and that the Region is only responsible for lights on Regional roads.

B. Henderson provided clarification on disposal of lights, wattage, height of light standards, colour and temperature.

Waste Management

2258742
h) TES-WMS-16-07, Progress Report: Curbside Waste Collection Policy Changes Implementation Plan

Received for information.

Sue White, Manager, Waste Collection and Diversion, provided a presentation on the new curbside waste collection implementation plan. She highlighted the blue box giveaway, use of blue boxes, garbage tags, standardizing service, green bin kit, collection schedules and days, phases, webpages, collection day look up, and other initiatives underway. S. White provided a demonstration on how the website works.

S. White explained how they are educating the public in addition to providing education through the schools and students. She provided clarification on the 3600 homes in the townships that will be receiving green bins and commercial pick up.

In response to Committees inquires about by-laws and weight restrictions, S. White provided clarification on the Region’s garbage restrictions and explained enforcement procedures and noted that the weight limit is 50 lbs.

S. White talked about how they are preparing for the transition and have spoke with Peel Region to learn from their lessons. She provided clarification on additional staff and recognizes the first month will be challenging. Committee members suggested a grace period in the first month and pointed out that March Break will provide some challenges for home owners. It was pointed out that each household will be receiving 10 bag tags and suggested that is when the tags could be used.

Water Services

i) TES- WAS-16-19.1, Outdoor Water Conservation Program Update

Moved by K. Seiling

Carried by L. Armstrong

That the Region of Waterloo distribute 2,400 rain barrels at a cost of $40 per unit, promote low water use landscaping, and enforce By-law 07-069, A By-law Respecting the Conservation of Water in 2017; as detailed in Report TES-WAS-16-19.1.

Carried

j) TES-WAS-16-22, Hidden Valley Low Lift Pumping Station - Pump Acquisition

Received for information.
k) TES-WAS-16-23, Negotiation of Risk Management Plans for Existing Activities under the Source Protection Plan

Moved by J. Mitchell
Seconded by E. Clarke

That the Regional Municipality of Waterloo approve amendments to the Source Water Protection Incentive Program maximum grants as outlined in report TES-WAS-16-23 dated November 1, 2016;

And that The Regional Municipality of Waterloo approve amendments to the proposed Clean Water Act Risk Management By-law as outlined in report TES-WAS-16-23 dated November 1, 2016.

Carried

Information/Correspondence

a) Correspondence from Shawn Nielsen re: TES-TRP-16-24, LED Street Light Conversion – Update

Received for information.

b) News Release: Ontario Introduces Aggregate Resources and Mining Modernization Act

Received for information.

It was noted that staff will have a report on a response to this at the next Planning and Works meeting in November.

c) Council Enquiries and Requests for Information was received for information.

Next Meeting – November 22, 2016

Motion to go into Closed Session

Moved by K. Redman
Seconded by S. Foxton

That a closed meeting of Planning and Works Committee be held on Tuesday, November 1, 2016 immediately following Planning and Works Committee in the Waterloo County Room in accordance with Section 239 of the Municipal Act, 2001, for the purposes of considering the following subject matters:
a) labour relations

b) receiving of advice that is subject to solicitor-client privilege and proposed or pending acquisition of land in the Cities of Kitchener and Waterloo

Carried

Adjourn

Moved by S. Foxton

Seconded by L. Armstrong

That the meeting adjourn at 11:37 a.m.

Carried

Committee Chair, T. Galloway

Committee Clerk, E. Flewwelling
LED Street Light Conversion Project
Summary

- Replacement of 43,000 High-pressure Sodium Street Lights (cobra-head)
- Joint project with all 7 area municipalities (working group)
- All street lights on local, collector and arterial roads
- 8,300 street lights on Regional roads
Why LED?

• ~50% less energy consumption
• 2-3 times longer "bulb" life
• Reduced operating and maintenance costs
• Expected savings for the Region of $550,000 per year
Procurement Process

• Working group reviewed a number of options

• Prequalification process in advance of tender
  • Identify acceptable luminaire manufacturers
  • To meet stringent specifications
  • Identify acceptable adaptive control providers
Resident Concerns

Concerns raised during design:
1. Increased Light Pollution
   • Impact on night sky observations
2. Light trespass onto private property
   • Sleep disruption
3. Glare
   • Degradation in road safety
4. Blue light
   • Sleep disruption and health concerns
How is the Region helping to reduce light pollution?
Light Pollution

Luminaires used on this project had to be approved by the following agency:

International Dark-Sky Association

www.darksky.org
Light Pollution

• IDA's Fixture Seal of Approval Criteria as of March 1, 2016

• LED light shall have a listed correlated colour temperature (CCT) of 3000K or below

• Luminaires shall be fully shielded, emitting no light above 90 degrees
Light Pollution

- Other light pollution mitigation strategies
  - Adaptive street light technology
    - Dimming
Light Trespass

• Regional staff assessed the photometric "signatures" of all lights in response to claims that light trespass onto residential properties would worsen:
  • 0 – 60% less
Light Trespass

- Should future light trespass concerns arise:
  - Remedial action could include:
    - Tilting the fixture
Light Trespass

• Should future light trespass concerns arise:
  • Remedial action could include:
    • Tilting the fixture
Light Trespass

• Should future light trespass concerns arise:
  • Remedial action could include:
    • Tilting the fixture
    • Dimming
Light Trespass

• Should future light trespass concerns arise:
  • Remedial action could include:
    • Tilting the fixture
    • Dimming
Light Trespass

• Should future light trespass concerns arise:
  • Remedial action could include:
    • Tilting the fixture
    • Dimming
    • Shielding
Claim:

LED lights increase glare, therefore traffic safety will degrade.
Regional staff have been monitoring an LED pilot project since late 2013:

- Frederick Street, between Lancaster Street and Edna Street.
- 29 HPS lights replaced with LED lights (4000K)
- 2 years before / after safety evaluation
- No increase in night time collisions
Blue Light

Concern:

• LED's emit more blue light than HPS
• Too much blue light can be detrimental to health and can disrupt sleep patterns
Blue Light
Blue Light

• Prequalification specified a maximum colour temperature of 3000K
• Recent conversions in other municipalities specified 4000K
• 3000K is consistent with:
  • International Dark Sky Association criteria
  • American Medical Association recommendation
Next Steps

- Tender closed October 18, 2016
- Tender award recommendation to Regional Council before end of 2016
- Contract completion by December 31, 2017
- All new luminaires installed in future capital projects to conform to Region specifications
Questions
Progress Report:
Curbside Waste Collection Policy Changes Implementation Plan

Planning and Works Committee
November 1, 2016
Blue box giveaway/distribution

• Significant interest from citizens
• 17,000 ordered, 12,000 shipped, all given away, substantial contribution to the foodbanks
• Available (as supplies last):
  – A supply at township locations (in November)
  – Waste management sites (Cambridge & Waterloo)
• Larger box mandatory? No
• Sorting recyclables into two "streams"
Use two blue boxes to sort recyclables

A larger blue box can now be used for containers (bottles, cans, cartons) only! This will give you more space to recycle. For paper products and plastic bags continue to use a small blue box, 45 to 60 litres (12 to 16 gallons) to stay under the 50 lb. weight limit.

CONTAINERS
- Milk/juice cartons, paper coffee cups
- Plastic bottles, jars, tubs
- Metal cans, foil trays, wrap
- Glass bottles, jars

PAPER AND PLASTIC BAGS
- Newspapers, magazines, books, paper, envelopes
- Plastic bags (grocery, bread, water softener), outerwrap (from packages of diapers, pop) Do not bag loose paper and plastic bags together.

NEW! Use a larger blue box, 68 to 91 litres (18 to 24 gallons)!

CONTAINERS ONLY
- Maximum weight 23 kg (50 pounds)

PAPER PRODUCTS, PLASTIC BAGS
- Maximum weight 23 kg (50 pounds)

Flatten and bundle cardboard: maximum size 75 x 75 x 20 cm (30 x 30 x 8”)

Buy an approved blue box!
Make sure it has a rim around the top (so it can hook onto the side of the collection truck), and it is rigid and sturdy. Wheeled containers or bins are NOT permitted.

- Empty and rinse
- Do not bag
- No straws
- No broken glass
- No cutlery
- Dry paint cans only, lids off

August 2016
• Sheet of 5 garbage tags, cost of $10, no expiry date
• 10 free tags in the delivered calendars
• 49 locations to purchase Region-wide
  – online option in development
• When available? End of February
Standardizing service
All will have access to the same level of service

Service expansion in the rural areas of the Townships:
• Weekly blue box, seasonal yard waste, weekly green bin
• Approximately 3,600 homes

1\textsuperscript{st} step: Awareness: direct mail to homes
2\textsuperscript{nd} step: Green bin kit delivery in January
Green bin kit

- Welcome letter
- Green bin
- Kitchen catcher
- Education materials
- Samples
  - Paper liner bags and coupons
  - Compostable plastic liner bags
- Information magnet
  - What goes in the green bin
Collection schedules and days

Collection day of the week – little change in the tri-cities, significant changes in the townships

Informing citizens:

– Maps on website, ads in local township papers, annual collection calendars, SFCC informed and ready to respond, new GIS collection day look-up

First bi-weekly collection:

– March 6th week: Kitchener & four Townships
– March 13th week: Cambridge & Waterloo
Get ready, get set, go!

• Phase 1 complete – most citizens know change is coming

• Phase 2 (begins now)
  – new website pages
    www.regionofwaterloo.ca/wastechanges
  – ads, radio, direct mail, social media, GIS - collection day look-up

• Phase 3 (begins January 2017)
  – Annual calendars, additional website information
  – MyWaste app updated with new service information
Learn about the NEW collection changes [Click here]

- Learn more about new rules and limits on bags and containers.
- Garbage bag tag program. How does it work?

- Collection schedules
- Is my collection day changing?

- Collection rules by building type
- What are the rules at my house?
Other initiatives underway

• Scheduling presentations with area municipal Councils
• Updating the waste collection/disposal bylaw
• Contractor/driver training programs
• Next update? January 2017

Questions?
Address
Home Address: 72 Manor Dr

Coloured areas represent collection and gray areas represent no collection.

Your Current Waste Management Collection Schedules

Garbage Collection Day: Wednesday, Nov 02, 2016
Blue Box Collection Day: Wednesday, Nov 02, 2016
Green Bin Collection Day: Wednesday, Nov 02, 2016
Large Item Collection Day: Wednesday, Nov 02, 2016
Yard Waste Collection Day: Wednesday, Nov 09, 2016

March 2017 - Your New Waste Collection Schedules

Bi-Weekly Garbage Collection Day: Friday, Mar 10, 2017
Weekly Blue Box Collection Day: Friday, Mar 10, 2017
Weekly Green Bin Collection Day: Friday, Mar 10, 2017
Bi-Weekly Bulky Item/Appliance Collection Day: Friday, Mar 10, 2017
Bi-Weekly Yard Waste Collection Day: Friday, Mar 31, 2017
Waste Bag Limit: 4
Bulky Item/Appliance Limit: 3
Address
Home Address: 521 Beaverwood St

Coloured areas represent collection and gray areas represent no collection.

Your Current Waste Management Collection Schedules
Blue Box Collection Day: Monday, Oct 31, 2016
Large Item Collection Day: Monday, Oct 31, 2016

March 2017 - Your New Waste Collection Schedules
Bi-Weekly Garbage Collection Day: Monday, Mar 13, 2017
Weekly Blue Box Collection Day: Monday, Mar 06, 2017
Weekly Green Bin Collection Day: Monday, Mar 06, 2017
Bi-Weekly Bulky Item/Appliance Collection Day: Monday, Mar 13, 2017
Bi-Weekly Yard Waste Collection Day: Monday, Apr 03, 2017
Waste Bag Limit: 4
Bulky Item/Appliance Limit: 3
Address

Home Address: **3637 Empey Rd**

Coloured areas represent collection and gray areas represent no collection.

Your Current Waste Management Collection Schedules

Garbage Collection Day: **Monday, Oct 31, 2016**

Blue Box Collection Day: **Monday, Nov 07, 2016**

Green Bin Collection Day: **Service Not Available**

Large Item Collection Day: **Monday, Nov 14, 2016**

Yard Waste Collection Day: **Service Not Available**

March 2017 - Your New Waste Collection Schedules

Bi-Weekly Garbage Collection Day: **Wednesday, Mar 08, 2017**

Weekly Blue Box Collection Day: **Wednesday, Mar 08, 2017**

Weekly Green Bin Collection Day: **Wednesday, Mar 08, 2017**

Bi-Weekly Bulky Item/Appliance Collection Day: **Wednesday, Mar 08, 2017**

Bi-Weekly Yard Waste Collection Day: **Wednesday, Mar 29, 2017**

Waste Bag Limit: **4**

Bulky Item/Appliance Limit: **3**
Address
Home Address: **785 Industrial Rd**

Coloured areas represent collection and gray areas represent no collection.

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**Your Current Waste Management Collection Schedules**

- Garbage Collection Day: **Service Not Available**
- Blue Box Collection Day: **Service Not Available**
- Green Bin Collection Day: **Service Not Available**
- Large Item Collection Day: **Service Not Available**
- Yard Waste Collection Day: **Service Not Available**

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**March 2017 - Your New Waste Collection Schedules**

- Bi-Weekly Garbage Collection Day: **Service Not Available**
- Weekly Blue Box Collection Day: **Service Not Available**
- Weekly Green Bin Collection Day: **Service Not Available**

- Bi-Weekly Bulky Item/Appliance Collection Day: **Service Not Available**
- Bi-Weekly Yard Waste Collection Day: **Service Not Available**

- Waste Bag Limit: **Not Applicable**
- Bulky Item/Appliance Limit: **Not Applicable**