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The Regional Municipality of Durham

MINUTES

WORKS COMMITTEE

Wednesday, June 4, 2025

A regular meeting of the Works Committee was held on Wednesday, June 4, 2025 in Council Chambers, Regional Headquarters Building, 605 Rossland Road East, Whitby, Ontario at 9:30 AM. Electronic participation was offered for this meeting.

1. Roll Call

Present: Councillor Barton, Chair
Councillor Marimpietri, Vice-Chair
Councillor Cook*
Councillor Foster
Regional Chair Henry
Councillor Lee*
Councillor Mulcahy
Councillor Nicholson*
***denotes Councillors participating electronically**

Absent: None

Also Present: Councillor Carter*
Councillor McDougall
Councillor Wotten*
***denotes visiting Councillors participating electronically**

Staff

Present: N. Andres, Manager, Water and Wastewater Infrastructure Planning
E. Baxter-Trahair*, Chief Administrative Officer
S. Ciani, Committee Clerk, Corporate Services – Legislative Services
S. Dessureault, Committee Clerk, Corporate Services – Legislative Services
D. Dunn, Director, Transportation & Field Services
A. Evans, Director, Waste Management Services
C. Goodchild, Director, Community Growth
M. Harris, Manager, Water & Wastewater Infrastructure Design
M. Hubble, Director, Environmental Services
J. Hunt, Commissioner of Legal Services & Regional Solicitor, Corporate Services – Legal Services
R. Inacio, Systems Support Specialist, Corporate Services – IT
R. Jagannathan, Commissioner of Works
R. McGregor, Manager, Transportation Design
L. Saha*, Manager, Waste Services

K. Smith, Committee Clerk, Corporate Services – Legislative Services
N. Taylor*, Commissioner of Finance
P. Veiga, Manager, Waste Management Operations
D. Waechter, Director, Capital Projects Delivery
*** denotes staff participating electronically**

2. Declarations of Pecuniary Interest

There were no declarations of pecuniary interest.

3. Adoption of Minutes

Moved by Councillor Foster, Seconded by Councillor Marimpietri,
(45) That the minutes of the regular Works Committee meeting held on
Wednesday, May 7, 2025, be adopted.

CARRIED

4. Statutory Public Meetings

There were no statutory public meetings.

5. Presentations

- 5.1 Michael Harris, Manager of Waster and Wastewater Infrastructure Design, re: Tender Award, Additional Engineering Services and Additional Financing required for Regional Municipality of Durham Contract D2024-52 for the Bowmanville Water Supply Plant Disinfection and Electrical Upgrades in the Municipality of Clarington (2025-W-23) [Item 8.2 E]
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Michael Harris, Manager of Waster and Wastewater Infrastructure Design, and Dan Waechter, Director of Capital Projects Delivery Branch provided a PowerPoint presentation regarding Report #2025-W-23: Tender Award, Additional Engineering Services and Additional Financing required for Regional Municipality of Durham Contract D2024-52 for the Bowmanville Water Supply Plant Disinfection and Electrical Upgrades in the Municipality of Clarington.

Highlights from the presentation included:

- Goal of Today's Presentation
- Bowmanville Water Supply System Overview
- Water Supply Regional Capital Projects Delivered 2022-2025
- Future Water Supply Regional Capital Projects
- Project Site: Bowmanville Water Supply Plant (WSP)
- Bowmanville Water Supply Plant – Existing Conditions
- Contract D2024-52 – Bowmanville Water Supply Plant Disinfection and Electrical Upgrades
- Project Consulting Assignment History

- D2024-52 as a Prerequisite to Future Capital Work
- Future Water Supply Plant Contracts – Sequencing

M. Harris and D. Waechter responded to questions from the Committee regarding the difference between the use of ultraviolet (UV) for primary water disinfection versus chlorine at the plant and their effectiveness; what the current chlorine levels are at the plant; whether bypassing the environmental assessment (EA) would save staff time and money; whether converting the diesel generator at the plant to natural gas would be a better option; and how much money is available in the budget to accommodate all of the Region's development projects.

Moved by Councillor Mulcahy, Seconded by Councillor Foster,
(46) That the agenda be altered to consider Item 8.3 E) Tender Award, Additional Engineering Services and Additional Financing required for Regional Municipality of Durham Contract D2024-52 for the Bowmanville Water Supply Plant Disinfection and Electrical Upgrades in the Municipality of Clarington (2025-W-23), next.

CARRIED

8. Works

8.2 Reports

- E) Tender Award, Additional Engineering Services and Additional Financing required for Regional Municipality of Durham Contract D2024-52 for the Bowmanville Water Supply Plant Disinfection and Electrical Upgrades in the Municipality of Clarington ([2025-W-23](#))
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Report #2025-W-23 from R. Jagannathan, Commissioner of Works, was received.

Moved by Councillor Foster, Seconded by Councillor Mulcahy,
(47) That we recommend to Council:

- A) That the lowest compliant bid of BGL Contractors Corp, in the amount of \$14,145,000*, be awarded for Regional Municipality of Durham Contract #D2024-52 for the Bowmanville Water Supply Plant Disinfection and Electrical Upgrades in the Municipality of Clarington;
- B) That contract amendment with R.V. Anderson Associates Ltd. (RVA) be authorized for consulting costs associated with additional engineering and contract administration services for the Bowmanville Water Supply Plant Upgrades project in the amount of \$970,112.57*, over the approved upset limit of \$1,750,656.41* for a revised upset limit not to exceed \$2,720,768.98*; and

- C) That the previously approved project budget of \$12,650,000 for Regional Municipality of Durham Project ID: D1814/D1927 be increased by \$6,800,000 to a revised total project budget of \$19,450,000; and
- D) That the additional financing of \$6,800,000 be provided from the following sources:

Previously Approved Financing

Water Supply Capital Budget

Bowmanville Water Supply Plant - standby power and upgrading the uninterrupted power supply (UPS), Project ID: D1814

User Revenue	<u>\$9,350,000</u>
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Bowmanville Water Supply Plant - Disinfection upgrades, Project ID: D1927

User Revenue	<u>\$3,300,000</u>
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Total Previously Approved Financing	<u>\$12,650,000</u>
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Additional Financing

Item #175: Whitby Water Supply Plant - Plant 1 Upgrades and Rehabilitation Works Proposed works to include but not limit to building envelope improvements, filter treatment process upgrades, rehabilitation works for electrical, mechanical and process systems (Project ID: D2419)

Water Stabilization Reserve Fund	\$6,800,000
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Total Additional Financing	\$6,800,000
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Total Revised Project Financing	\$19,450,000
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(*) before applicable taxes

CARRIED

5. Presentations

- 5.2 Ramesh Jagannathan, Commissioner of Works, re: Proposed Bowmanville Avenue (Regional Road 57) Expansion, Baseline Road (Highway 401 Ramps) to King Street, in the Municipality of Clarington (Video Presentation)

R. Jagannathan introduced a video regarding the proposed Bowmanville Avenue (Regional Road 57) Expansion, on Baseline Road (Highway 401 Ramps) to King Street, in the Municipality of Clarington.

The video presentation highlighted numerous upgrades and enhancements that will be implemented for the proposed Bowmanville Avenue (Regional Road 57) expansion in the Municipality of Clarington.

R. Jagannathan advised that the video presentation was used to help communicate the project to the funding agency and anticipates that such video communications will help residents and other stakeholders be able to visualize the scope of work for major projects.

The following suggestions were made from the Committee to staff:

- Include before photos of the expansion as part of the presentation to provide residents with the complete picture;
- Consider constructing monolithic medians with concrete infill instead of interlocking pavers;
- Consider constructing living walls/vegetation on the sound barrier walls;
- Consider having murals painted on the sound barrier walls to reduce tagging; and
- Consider placing cameras in the lit tunnel under the road for safety purposes.

Staff responded to questions from the Committee regarding how staff are working with the affected residents to ease the transition of having to hook up to water and sewer and what the costs will be for them; has a roundabout been considered instead of the current intersection proposed; whether there is enough space on the overpass to accommodate a twinned line if that decision is made by the Canadian Pacific Railway (CPR); and whether the CPR can accommodate potential electrification.

6. Delegations

There were no delegations heard.

7. Waste

7.1 Correspondence

There were no communication items considered.

7.2 Reports

A) Extension of Cart-based Waste Collection Pilot in the Town of Ajax and the Township of Scugog and Expansion Options ([2025-WR-4](#))

Report #2025-WR-4 from R. Jagannathan, Commissioner of Works, was received.

Moved by Councillor Foster, Seconded by Councillor Lee,
(48) That we recommend to Council:

- A) That staff be authorized to continue cart-based collection of garbage permanently in the following two pilot project collection areas as described below, at a one time cost not to exceed \$25,000, exclusive of taxes, to be funded from the approved 2025 Solid Waste Management Business Plans and Budget:
 - i) The pilot in the Township of Scugog to continue until the current solid waste collection contract (C003008) ends on March 31, 2028. After this date, a new contract utilizing fully automated waste collection equipment will commence; and
 - ii) The pilot in the Town of Ajax to continue until the current solid waste collection contract (C003326) ends on June 30, 2030. Following this, a new solid waste collection contract utilizing fully automated waste collection equipment will commence;
- B) That 2026 pre-budget approval be granted and staff be authorized to negotiate amendments to Contracts C003008 and C003326 to expand the cart-based collection of garbage and organics to include Tuesday, Wednesday and Thursday collection routes effective January 1, 2026, to optimize the use of the cart-based collection vehicle used in the current pilot area at an estimated one-time cost of \$504,000 for the purchase of the carts and incremental annual operating costs not to exceed \$30,000;
- C) That financing in the amount of \$534,000 be approved as follows:
 - i) \$504,000 for the purchase of the carts from the Solid Waste Management Reserve Fund; and
 - ii) \$30,000 for operating costs from the 2026 property tax levy;
- D) That staff be directed to continue investigating and report back on the financial and logistical implications of expanding cart-based waste collection operation to the remaining households in the Town of Ajax and the City of Pickering in the fall of 2025; and
- E) That all changes necessary to enact changes related to Recommendations A) and B) of Report #2025-WR-4 of the Commissioner of Works be made subject to the satisfaction of the Commissioner of Works and the Commissioner of Finance.

CARRIED

8. Works

8.1 Correspondence

There were no communication items considered.

8.2 Reports

- A) Approval of Unbudgeted Capital Work and Related Financing to Undertake the Detailed Design and Construction, and Sole Source Award to Stantec Inc. for Engineering Design Services for a 600 mm Zone 3 Feedermain on Columbus Road, in the Town of Whitby (2025-W-19)

Report #2025-W-19 from R. Jagannathan, Commissioner of Works, was received.

Moved by Regional Chair Henry, Seconded by Councillor Marimpietri,
(49) That we recommend to Council:

- A) That unbudgeted capital work in the amount of \$9,200,000* for the detailed design and construction of the 600 mm Zone 3 feedermain on Columbus Road from Cedarbrook Trail to Country Lane, in the Town of Whitby, be approved;
- B) That financing for the unbudgeted capital work for the detailed design and construction of the Zone 3 feedermain on Columbus Road, in the Town of Whitby, be provided from the following water supply development charge reserve funds:

Residential	\$8,519,200
Commercial	266,800
Industrial	349,600
Institutional	<u>64,400</u>
Total	<u>\$9,200,000</u>

- C) That staff be authorized to negotiate and enter into a sole source agreement with Stantec Inc. to provide detailed design services for the feedermain design, for an amount not to exceed \$300,000 included in the estimated project cost; and
- D) That the Commissioner of Finance or designate be authorized to execute the necessary documents related to the sole source agreement.
(* before applicable taxes

CARRIED

- B) Approval to Award a Sole Source Agreement to SNF Canada for the Purchase of Anionic Powder Polymer for Enhanced Total Phosphorus Removal at the Duffin Creek Water Pollution Control Plant, in the City of Pickering (2025-W-20)

Report #2025-W-20 from R. Jagannathan, Commissioner of Works, was received.

Moved by Regional Chair Henry, Seconded by Councillor Marimpietri,
(50) That we recommend to Council:

- A) That staff be authorized to negotiate and award the sole source purchase of anionic powder polymer from SNF Canada for the purpose of enhanced total phosphorous removal at the Duffin Creek Water Pollution Control Plant, with terms not to exceed three years;
- B) That financing for the sole source purchase be provided from the approved 2025 Sanitary Sewerage Operations Budget for the Duffin Creek Water Pollution Control Plant and future years Business Plans and Budgets. The estimated three-year total cost is \$750,000* or \$250,000* annually; and
- C) That the Commissioner of Finance be authorized to execute the necessary sole source agreement for supply of anionic powder polymer.
(*) before applicable taxes

CARRIED

- C) Approval for Additional Financing for the Carruthers Creek Sanitary Sewage Pumping Station Odour Control System Upgrades Project, in the Town of Ajax ([2025-W-21](#))
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Report #2025-W-21 from R. Jagannathan, Commissioner of Works, was received.

Moved by Regional Chair Henry, Seconded by Councillor Marimpietri,
(51) That we recommend to Council:

- A) That additional financing in the amount of \$2,000,000 for Odour Control Upgrades at the Carruthers Creek Sanitary Sewage Pumping Station (SSPS) located in the Town of Ajax, be approved; and
- B) That financing for the project be provided as follows:

Previously Approved Financing

2025 Sanitary Sewerage Capital Budget

Carruthers Sanitary Sewage Pumping Station - Odour Control System Upgrades, Project ID: D2523

User Revenue \$1,000,000

Total Previously Approved Financing \$1,000,000

Additional Financing

2025 Sanitary Sewerage Capital Budget, Item #193:

Michael Blvd. Sanitary Sewerage Pumping Station
- replacement of the Motor Control Centre (MCC) and pump,
Whitby (Project ID: D1832)

User Revenue \$1,800,000

2025 Sanitary Sewerage Capital Budget, Item #185:

Carruthers Sanitary Sewage Pumping Station
- Standby Power Upgrades (Project ID: D2522)

User Revenue \$200,000

Total Additional Financing \$2,000,000

Total Revised Project Financing \$3,000,000
CARRIED

- D) Sole Source Procurement of Engineering and Field Services, and Filter Media and Stainless Steel Underdrain Equipment System, for the Oshawa Water Supply Plant, located in the City of Oshawa (2025-W-22)

Report #2025-W-22 from R. Jagannathan, Commissioner of Works, was received.

Moved by Regional Chair Henry, Seconded by Councillor Marimpietri,
(52) That we recommend to Council:

- A) That staff be authorized to award a sole source contract to Anthratech Western Inc. (AWI) for the provision of engineering and field services for the supply of a design package and equipment for the new granular filter media and a custom engineered stainless steel underdrain system for Filters 1-4 in plant 2 at the Oshawa Water Supply Plant (WSP), located in the City of Oshawa, in the amount of \$2,900,000*, to be financed from within the approved project budget; and
- B) That the Commissioner of Finance be authorized to execute the applicable agreements.
(* before applicable taxes

CARRIED

- E) Tender Award, Additional Engineering Services and Additional Financing required for Regional Municipality of Durham Contract D2024-52 for the Bowmanville Water Supply Plant Disinfection and Electrical Upgrades in the Municipality of Clarington (2025-W-23)

This item was considered earlier in the meeting. See pages 3 and 4 of these minutes.

- F) Sole Source Procurement of Varec Biogas 244 Series Waste Gas Burner and Ignition System at Port Darlington Water Pollution Control Plant (WPCP) in the Municipality of Clarington (2025-W-24)
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Report #2025-W-24 from R. Jagannathan, Commissioner of Works, was received.

Moved by Regional Chair Henry, Seconded by Councillor Marimpietri, (53) That we recommend to Council:

That Regional staff be authorized to sole source the Varec Biogas 244 Series Waste Gas Burner through specifications in the contract tender documents for Plant 1 and Waste Gas Burner Upgrades at the Port Darlington Water Pollution Control Plant.

CARRIED

9. **Advisory Committee Resolutions**

There were no advisory committee resolutions to be considered.

10. **Confidential Matters**

10.1 Reports

- A) Confidential Report of the Commissioner of Works – Proposed or Pending Acquisition of Land for Regional Corporation Purposes as it relates to Property in the Community of Courtice, Municipality of Clarington (2025-W-18)
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Confidential Report #2025-W-18 from R. Jagannathan, Commissioner of Works, was received.

Moved by Councillor Foster, Seconded by Councillor Marimpietri, (54) That we recommend to Council:

That the recommendations contained in Confidential Report #2025-W-18 of the Commissioner of Works be adopted.

CARRIED

11. **Other Business**

There was no other business to be considered.

12. Date of Next Meeting

The next regularly scheduled Works Committee meeting will be held on Wednesday, September 3, 2025 at 9:30 AM in Council Chambers, Regional Headquarters Building, 605 Rossland Road East, Whitby.

13. Adjournment

Moved by Councillor Mulcahy, Seconded by Regional Chair Henry,
(55) That the meeting be adjourned.

CARRIED

The meeting adjourned at 10:30 AM

Respectfully submitted,

D. Barton, Chair

S. Ciani, Committee Clerk