

Amendments to Purchase Order Number 6053935 with Green Infrastructure Partners Incorporated for Construction Services for the Basement Flooding Protection Program Phase 4 - Enhanced Road Rehabilitation on Heathrow Drive and Calvington Drive

Date: April 3, 2023

To: General Government Committee

From: Interim Chief Engineer and Executive Director, Engineering and Construction Services and Chief Procurement Officer, Purchasing and Materials Management Division

Wards: 6 (York Centre) and 7 (Humber River-Black Creek)

SUMMARY

The purpose of this report is to request authority to amend Purchase Order Number 6053935 with Green Infrastructure Partner Incorporated (formerly known as Green For Life Infrastructure Group Incorporated) for enhanced road rehabilitation work on Heathrow Drive and Calvington Drive.

Construction of the Basement Flooding Protection Program Phase 4, which includes storm and sanitary sewer improvements, watermain replacements and road resurfacing on various streets in Wards 6 and 7, began in 2020, with an expected completion date of October 2023. As work progressed, it was brought to the City's attention that sections of Heathrow Drive (from 60 metres west of Chesham Drive to Jane Street) and Calvington Drive (from Dalsby Road to Lexfield Avenue) were in poor condition. This matter was investigated by staff and a further technical assessment was completed. Ultimately, it was determined that enhanced road rehabilitation, beyond the base scope of local road resurfacing, is required. The enhanced road rehabilitation will include replacing old asphalt layers with new asphalt layers and repairs of any damaged granular sub-base soft spots, as necessary, on sections of Heathrow Drive and Calvington Drive. Completing an enhanced road rehabilitation will extend the service life of the road and result in cost saving due to reduced maintenance.

Working with AECOM, who is the City's design and contract administration consultant on this project, a construction cost of \$600,000 was estimated as the upset limit for the additional work. As such, a Purchase Order Amendment for an upset limit in the amount of \$600,000, net of all taxes and charges (\$610,560 net of Harmonized Sales Tax Amendments to Purchase Order No. 6053935 with Green Infrastructure Partners Incorporated for Construction Services for the Basement Flooding Protection Program Phase 4 Enhanced Road Rehabilitation on Heathrow Drive and Calvington Drive

recoveries) is being requested, revising the current Purchase Order value from \$24,832,823 net of all taxes and charges (\$25,269,880 net of Harmonized Sales Tax recoveries) to \$25,432,823 net of all taxes and charges (\$25,880,440 net of Harmonized Sales Tax recoveries). This amendment is necessary in order to complete the additional scope of work.

RECOMMENDATIONS

The Interim Chief Engineer and Executive Director, Engineering and Construction Services, and the Chief Procurement Officer, Purchasing and Materials Management recommend that:

1. General Government Committee grant authority to the Interim Chief Engineer and Executive Director, Engineering and Construction Services to amend the agreement with Green Infrastructure Partner Incorporated for the provision of Enhanced Road Rehabilitation on Heathrow and Calvington Drive and, as a result by amending Purchase Order Number 6053935 by increasing the value of the Purchase Order in the amount of \$600,000 excluding all taxes, revising the contract value from \$24,832,823 (excluding Harmonized Sales Tax) to \$25,432,823 (excluding Harmonized Sales Tax).
2. General Government Committee grant authority to the Interim Chief Engineer and Executive Director, Engineering and Construction Services to further negotiate the necessary amendment to the contracts with Green Infrastructure Partner Incorporated for additional scope of restoration on Heathrow and Calvington Drive, in accordance with the terms and conditions of the agreements and on terms, conditions and cost satisfactory to the Interim Chief Engineer and Executive Director, Engineering and Construction Services, and as a result to be able to amend the Purchase Order Number 6053935, as may be necessary from time to time, all in accordance with the condition of contract 19ECS-LU-01FP.

FINANCIAL IMPACT

The value of amendments for Purchase Order Number 6053935 with Green Infrastructure Partner Incorporated as described in the above portion of this report, is \$600,000 net of all applicable taxes and charges (\$610,560 net of Harmonized Sales Tax recoveries).

Funding for the contract amendment is available in the 2023-2032 Approved Capital Budget and Plan for Transportation Services, as summarized in Table 1 below (net of Harmonized Sales Tax recoveries).

Table 1 - Financial Impact Summary for Purchase Order Number 6053935

WBS Element	Account Description	PO Request 2023
CTP315-07-392	Local Road Rehabilitation	\$610,560

The Chief Financial Officer and Treasurer has reviewed this report and agrees with the financial impact information.

DECISION HISTORY

On May 09, 2018, by authority of the Bid Award Panel, the City retained AECOM Canada Limited to provide professional engineering services associated with Request for Proposal Number 9117-17-7337 for Basement Flooding Protection Program Phase 4 program management, design and contract administration, and post-construction services. The total fee for this assignment was \$10,503,439 net of all taxes and charges. Purchase Order Number 6047204 was issued for design and contract administration services in the amount of \$10,267,279 net of all taxes, and second Purchase Order for post-construction services will be issued at the end of construction (value of \$236,160 net of all taxes and charges). A copy of the Bid Committee Decision Document can be found at:

<https://secure.toronto.ca/council/agenda-item.do?item=2018.BA76.8>

On August 26, 2020, by authority of the Bid Award Panel, Contract Number 19ECS-LU-01FP (Tender Call Number 94-2020, Ariba Document Number 2351691332) for construction of sewers, watermains, and related improvements for Basement Flooding Protection Program Phase 4, Assignments 15-01/02/05/06/07/08/09/10/11/12/13 on Dalsby Road, Tavistock Road, Forthbridge Crescent, Calvington Drive, Lexfield Avenue, Exbury Road, Troutbrooke Drive, Buxton Road, Peacham Crescent, Camborne Avenue, Julian Road, Victory Drive, Wilson Avenue, Heathrow Drive, Tumpene Street, Deevale Road, Letchworth Crescent, canton Avenue, Richard Clark Drive, Clevedon Street, Epsom Downs Drive, Chappel Hill Road, Jane Street, William Cragg Drive, Smallwood Drive, Dana Avenue, Westcliffe Road, Datchet Road, Monclova Road, Gatesgill Crescent, Chalkfarm Drive, and Neames Crescent, was awarded to Green For Life Infrastructure Group Incorporated in the amount of \$47,223,261 net of all taxes and charges. Purchase Order Number 6051406 for construction services in the amount of \$47,223,261 net of all taxes and charges was subsequently issued to Green For Life Infrastructure Group Incorporated. A copy of the Bid Award Panel Decision Document can be found at:

<https://secure.toronto.ca/council/agenda-item.do?item=2020.BA98.3h>

On November 01, 2022, Purchase Order Number 6053935 was issued to Green Infrastructure Partners Incorporated to replace Purchase Order Number 6051406, as Green For Life Infrastructure Group Incorporated had changed its name to Green Infrastructure Partners Incorporated. Purchase Order Number 6051406 had an original

target value of \$47,223,261 net of all taxes. The target value for Purchase Order 6053935 was changed to \$24,832,823, net of all taxes to account for \$22,390,438 that had already been invoiced against the original Purchase Order Number 6051406.

COMMENTS

Since May 2000, the City has experienced multiple extreme storm events that has resulted in flooding of more than 14,000 homes, erosion in ravines and watercourses and damage to City infrastructure. Following the August 2005 extreme storm event, which exceeded the 100-year design storm intensity in areas north of Highway 401, Council established the Basement Flooding Protection Program. This program was initially focused on areas impacted during the May 2000 and August 2005 storms. The Basement Flooding Protection Program was extended citywide in 2013, to address the basement flooding impacts associated with the extreme storm event of July 8, 2013.

In August 2020, Green Infrastructure Partner Incorporated (formerly known as Green For Life Infrastructure Group Incorporated) was awarded the construction Contract 19ECS-LU-01FP for Basement Flooding Protection Program Phase 4 that includes upgrading the existing storm sewers and bundled local road resurfacing work along Heathrow Drive and Calvington Drive.

During construction of the underground works, area residents raised concerns that sections of both Heathrow Drive and Calvington Drive are in very poor condition and require additional rehabilitation. Further investigation and assessment was undertaken by the detailed design consultant, AECOM Canada Limited, and it was determined that additional rehabilitation work on Heathrow Drive (from 60 metres west of Chesham Drive to Jane Street) and Calvington Drive (from Dalsby Road to Lexfield Avenue) were needed to extend the service life of these roads.

AECOM Canada Limited, the consultant retained by the City for design and construction services on this project, was then asked to prepare a recommendation and cost estimate for the rehabilitation work. The cost of the enhanced road rehabilitation work is estimated to have an upset limit of \$600,000, net of all taxes and charges. Staff from Engineering and Construction Services and Transportation Services reviewed the recommendation and confirmed that it is reasonable. As such, Transportation Services requested that instead of local road resurfacing, enhanced road rehabilitation for both Heathrow Drive and Calvington Drive be added to the existing Contract to include replacing old asphalt layers with new asphalt layers and repairs of any damaged granular sub-base soft spots.

Since the existing Basement Flooding contract for this project does not include any contingency for enhanced road rehabilitation, additional funding is required to complete this work. An amendment to the purchase order with Green Infrastructure Partner Incorporated (formerly known as Green For Life Infrastructure Group Incorporated) in the amount of \$600,000, net of all taxes and charges, is required for the enhanced road rehabilitation work on Heathrow Drive and Calvington Drive.

CONTACT

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SIGNATURE

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