

Bill No. 91  
2021

By-law No. A.-\_\_\_\_\_ -\_\_\_\_\_

A by-law to approve and authorize the execution of Amending Agreement No. 2 to the Public Transit Infrastructure Fund (PTIF) Phase One (Ontario) Transfer Payment Agreement between Her Majesty the Queen in Right of Ontario as represented by the Minister of Transportation for the Province of Ontario and The Corporation of the City of London.

WHEREAS subsection 5(3) of the *Municipal Act, 2001*, S.O. 2001, c. 25, as amended, provides that a municipal power shall be exercised by by-law;

AND WHEREAS section 9 of the *Municipal Act, 2001* provides that a municipality has the capacity, rights, powers and privileges of a natural person for the purpose of exercising its authority under this or any other Act;

AND WHEREAS subsection 10(1) of the *Municipal Act, 2001* provides that a municipality may provide any service or thing that the municipality considers necessary or desirable for the public;

AND WHEREAS subsection 10(2) of the *Municipal Act, 2001* provides that a municipality may pass by-laws respecting, among other things: i) economic, social and environmental well-being of the municipality, including respecting climate change; and ii) financial management of the municipality;

NOW THEREFORE the Municipal Council of The Corporation of the City of London enacts as follows:

1. Amending Agreement No. 2 to the Public Transit Infrastructure Fund (PTIF) Phase One (Ontario) Transfer Payment Agreement between Her Majesty the Queen in right of Ontario, as represented by the Minister of Transportation for the Province of Ontario and The Corporation of the City of London (“Amending Agreement No. 2”) attached as Schedule “1” to this by-law is hereby authorized and approved.
2. The Mayor and the City Clerk are hereby authorized to execute Amending Agreement No. 2 authorized and approved under section 1 of this by-law.
3. The Managing Director Environmental and Engineering Services & City Engineer is hereby authorized to approve future Amending Agreements to the Public Transit Infrastructure Fund (PTIF) Phase One (Ontario) Transfer Payment Agreement between Her Majesty the Queen in right of the Province of Ontario, as represented by the Minister of Transportation for the Province of Ontario and The Corporation of the City of London provided it does not increase the indebtedness or liabilities of The Corporation of the City of London.
4. The Mayor and City Clerk are hereby authorized to execute any Amending Agreement to the Public Transit Infrastructure Fund (PTIF) Phase One (Ontario) Transfer Payment Agreement between Her Majesty the Queen in right of the Province of Ontario, as represented by the Minister of Transportation for the Province of Ontario and The Corporation of the City of London approved by the Managing Direct Environmental and Engineering Services & City Engineer under section 3 of this bylaw.

5. The Managing Director, Corporate Services & City Treasurer and Chief Financial Officer and City Manager (or delegate) are hereby authorized to execute any financial reports required as a condition under Amending Agreement No. 2 and such further Amending Agreements as may be approved under section 3 of this by-law.

6. This by-law shall come into force and effect on the day it is passed.

PASSED in Open Council on March 23, 2021.

Ed Holder  
Mayor

Catharine Saunders  
City Clerk

First Reading – March 23, 2021  
Second Reading – March 23, 2021  
Third Reading – March 23, 2021

**AMENDING AGREEMENT No. 2  
TO THE PUBLIC TRANSIT INFRASTRUCTURE FUND (PTIF) PHASE ONE (ONTARIO)  
TRANSFER PAYMENT AGREEMENT**

This Amending Agreement No. 2 to the Public Transit Infrastructure Fund (PTIF) Phase One (Ontario) Transfer Payment Agreement (this “Amending Agreement No. 2”) is effective as of the date of signature by the last signing party to it.

**B E T W E E N:**

**Her Majesty the Queen in right of Ontario**  
as represented by the Minister of Transportation for the Province of Ontario

(the “**Province**”)

- and -

**Corporation of the City of London**

(the “**Recipient**”)

**BACKGROUND**

The Province and the Recipient entered into the Public Transit Infrastructure Fund (PTIF) Phase One (Ontario) Transfer Payment Agreement effective as of February 22, 2018 (the “Agreement”).

The Agreement, pursuant to Article 3.0 (Amending the Agreement) of the Agreement, may be amended from time to time on written agreement of the Parties.

The Parties wish to amend the Agreement as set out in this Amending Agreement No. 2.

**CONSIDERATION**

In consideration of the mutual covenants and agreements contained in this Amending Agreement No. 2, and for other good and valuable consideration, the receipt and sufficiency of which is expressly acknowledged, the Parties agree as follows:

1. **Capitalized Terms.** Capitalized terms used in this Amending Agreement No. 2, unless defined in section 2 of this Amending Agreement No. 2, have the meanings ascribed to them in the Agreement.

2. **Definition.** In this Amending Agreement No. 2, the following term has the following meaning:

**“Amending Agreement No. 2”** means this Amending Agreement No. 2 and the appendices attached to this Amending Agreement No. 2.

3. Section 1.1 of the Agreement is amended by adding the following after “Sub-schedule “C.1” - Program Funding Request”:

“Sub-schedule “C.2” - Extended Program Funding Request

4. Section A.1.2 (Definitions) of the Agreement is amended by adding the following after “Sub-schedule “C.1” (Program Funding Request)” to the definitions of the terms **“Budget”**, **“Project”**, **“Sub-Projects”** and **“Timelines”**:

and, unless otherwise specified in the Agreement, Sub-schedule “C.2” (Extended Program Funding Request)

5. Schedule “B” (Project Specific Information) of the Agreement is deleted and replaced with the schedule attached as Appendix A to this Amending Agreement No. 2.

6. Sections C.1.1 (Project Description) and C.1.2 (Budget and Timelines) of the Agreement are amended by adding the following after “Sub-schedule “C.1” (Program Funding Request)”:

and Sub-schedule “C.2” (Extended Program Funding Request)

7. Sub-schedule “C.1” (Program Funding Request) of the Agreement is deleted and replaced with the schedule attached as Appendix B to this Amending Agreement No. 2.

8. Schedule “C” (Project Description, Budget and Timelines) of the Agreement is amended by adding the new Sub-schedule “C.2” (Extended Program Funding Request) attached as Appendix C to this Amending Agreement No. 2.

9. Schedule “E” (Eligible Expenditures and Ineligible Expenditures) of the Agreement is deleted and replaced with the schedule attached as Appendix D to this Amending Agreement No. 2.

10. Schedule “H” (Disposal of and Revenues from Assets) of the Agreement is deleted and replaced with the schedule attached as Appendix E to this Amending Agreement No. 2.

11. Schedule “J” (Requests for Payment and Payment Procedures) of the Agreement is deleted and replaced with the schedule attached as Appendix F to this Amending Agreement No. 2.
12. Except for the amendments provided for in this Amending Agreement No. 2, all provisions of the Agreement remain in full force and effect.
13. This Amending Agreement No. 2 may:
  - (a) be executed and delivered by scanning the manually signed Agreement as a PDF and delivering it by email to the other Party; or
  - (b) subject to the Province’s prior written consent, be executed and delivered electronically to the other Party.

The respective electronic signature of the Parties is the legal equivalent of a manual signature.

**- SIGNATURE PAGE FOLLOWS -**

The Parties have executed this Amending Agreement No. 2 on the dates set out below.

**HER MAJESTY THE QUEEN IN RIGHT OF ONTARIO** as  
represented by the Minister of Transportation for the  
Province of Ontario

\_\_\_\_\_  
Date

\_\_\_\_\_  
Name: Caroline Mulroney  
Title: Minister

**THE CORPORATION OF THE CITY OF LONDON**

\_\_\_\_\_  
Date

\_\_\_\_\_  
Name: Ed Holder  
Title: Mayor

I have authority to bind the Recipient.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Name: Catharine Saunders  
Title: City Clerk

I have authority to bind the Recipient.

**APPENDIX A  
TO THE PUBLIC TRANSIT INFRASTRUCTURE FUND (PTIF) PHASE ONE  
(ONTARIO) TRANSFER PAYMENT AGREEMENT**

**SCHEDULE “B” (PROJECT SPECIFIC INFORMATION)**

<b>Maximum Funds</b>	\$36,236,909.00
<b>Expiry Date</b>	March 31, 2023
<b>Contact information for the purposes of Notice to the Province</b>	<p><b>Address:</b> Strategic Investments Office Municipal Programs Branch Ontario Ministry of Transportation 777 Bay Street, 30<sup>th</sup> Floor Toronto ON M7A 2J8</p> <p><b>Phone:</b> 416-585-7637</p> <p><b>Email:</b> MTO_PTIF@ontario.ca</p>
<b>Contact information for the purposes of Notice to the Recipient</b>	<p><b>Position:</b> Managing Director &amp; City Engineer</p> <p><b>Address:</b> 300 Dufferin Avenue, London, ON., N6A 4L9</p> <p><b>Phone:</b> 519-661-2489 x 2391</p> <p><b>Email:</b> kscherr@london.ca</p>
<b>Authorized Representative of the Province for the purpose of sections C.2.2 (Amending Agreement for Minor Changes to the Project Description, Budget and Timelines) and D.7.2 (Amending Agreement for Minor Changes to the Reporting)</b>	<p><b>Position:</b> Director, Municipal Programs Branch; or Director, Capital Project Oversight Branch</p>
<b>Authorized Representative designated by the Recipient for the purpose of sections C.2.2 (Amending Agreement for Minor Changes to the Project Description, Budget and Timelines) and D.7.2 (Amending Agreement for Minor Changes to the Reporting)</b>	<p><b>Position:</b> Managing Director, Corporate Services &amp; City Treasure, Chief Financial Officer</p>
<b>Contact Information for the authorized representative of the Recipient to respond to requests from the Province related to the Agreement</b>	<p><b>Position:</b> Director, Roads &amp; Transportation</p> <p><b>Address:</b> 300 Dufferin Avenue, London, ON., N6A 4L9</p> <p><b>Phone:</b> 519-661-2489 x 4936</p> <p><b>Email:</b> dmacrae@london.ca</p>

**APPENDIX B**  
**TO THE PUBLIC TRANSIT INFRASTRUCTURE FUND (PTIF) PHASE ONE (ONTARIO) TRANSFER PAYMENT AGREEMENT**  
**SUB-SCHEDULE "C.1"**  
**PROGRAM FUNDING REQUEST**

Project Information										Federal Land	Financial Information							Project Objectives			Incrementality	Risk Assessment
Unique Project ID	Ultimate Recipient	Project Location	Actual Project Site (Civic Address or Geo Coordinates)	Project Title	Project Description	Eligible Investments Category	Project Nature	Forecasted Start Date (YYYY/MM/DD)	Forecasted End Date (YYYY/MM/DD)	Project Located on Federal Land (Y/N)	Total Project Cost	Total Eligible Cost	Program Contribution (Eligible Expenditures)	Other Federal Contributions (Eligible Expenditures)	Provincial Contribution (Eligible Expenditures)	Municipal Contribution (Eligible Expenditures)	Other Contribution (Eligible Expenditures)	Increased Capacity or Lifespan of the Asset (Y/N)	Enhanced Service (Y/N)	Improved Environmental Outcomes (Y/N)	Evidence of Incrementality (Y/N)	Risk Factors
LON-001	London, City of	London, City of	300 Dufferin Avenue, London ON	Shift Rapid Transit Environmental Assessment (EA) / Transit Project Assessment Process (TPAP)	Shift is London's Bus Rapid Transit Initiative. Project is the completion of the Shift Environmental Assessment / Transit Project Assessment Process for London's Rapid Transit Initiative.	III. Expenditures to support the design and planning for the expansion and improvements to public transit systems, including transportation demand management measures and studies and pilot projects related to innovative and transformative technologies	Planning	2016-04-01	2019-06-30	N	\$3,000,000.00	\$3,000,000.00	\$1,500,000.00	\$0.00	\$0.00	\$1,500,000.00	\$0.00	Y	Y	Y	Y	N/A
LON-004	London, City of	London, City of	42°59'01.4"N 81°14'58.9"W	Dundas Place Transit Improvements	Transit routing modifications in the downtown in the area of Dundas Place will improve the overall transit system and coordination with the Shift Rapid Transit implementation. The bus route reconfiguration is estimated to require three additional buses and infrastructure relocation such as wayside service information signage, stops, shelters, and transit priority measures.	I. Capital projects for the rehabilitation, optimization and modernization of public transit infrastructure, or that improve the efficiency, accessibility and/or safety of public transit infrastructure (including rehabilitation or enhancement of existing guide ways, maintenance and storage facilities, transit stations, or other public transit capital assets; refurbishment of existing rolling stock; intelligent transportation systems and replacement or enhancements of transit stations).	Expansion	2017-04-01	2020-03-31	N	\$2,000,000.00	\$2,000,000.00	\$1,000,000.00	\$0.00	\$0.00	\$1,000,000.00	\$0.00	Y	Y	Y	Y	N/A
LON-005	London, City of	London, City of	300 Dufferin Avenue, London ON	New Accessible Transit Pads and Sidewalks	Construction of new transit pads and sidewalks (multiple City wide locations) to make local transit more accessible and functional. Project modification request to extend timeline to September 1, 2018 due to delays starting project and contractor capacity to finish the work within the original timeline.	I. Capital projects for the rehabilitation, optimization and modernization of public transit infrastructure, or that improve the efficiency, accessibility and/or safety of public transit infrastructure (including rehabilitation or enhancement of existing guide ways, maintenance and storage facilities, transit stations, or other public transit capital assets; refurbishment of existing rolling stock; intelligent transportation systems and replacement or enhancements of transit stations).	New	2017/06/15	2018/09/15	N	\$2,000,000.00	\$2,000,000.00	\$1,000,000.00	\$0.00	\$0.00	\$1,000,000.00	\$0.00	Y	Y	Y	Y	N/A
LON-006	London, City of	London, City of	300 Dufferin Avenue, London ON	Installation of 25 (minimum) New Pedestrian Crossings	**Modified project** Modifications to title and description. See key notes for details. Construction of twenty five (minimum) pedestrian crossings to provide safer pedestrian road crossings and make public transit more accessible, crossing are compliant with the recent Ontario Traffic Manual Book 15 and Highway Traffic Act Amendments	IV. Projects for system expansion, which may include active transportation, if they can be completed within the program timeframe.	New	2016/10/15	2018/12/31	N	\$690,000.00	\$690,000.00	\$345,000.00	\$0.00	\$0.00	\$345,000.00	\$0.00	Y	Y	Y	Y	N/A
LON-008	London, City of	London, City of	42°59'08.2"N 81°10'55.6"W	Kiwanis Park Pathway Connection	Construction of an active transportation connection across the Canadian National Railway line that will improve neighbourhood connections to transit. (Provincial contribution funded through the Ontario Municipal Cycling Infrastructure Program). Project modification request to extend timeline to September 1, 2018 due to delays starting project and contractor capacity to finish the work within the original timeline.	IV. Projects for system expansion, which may include active transportation, if they can be completed within the program timeframe.	New	2017/06/15	2018/09/30	N	\$2,100,000.00	\$2,100,000.00	\$1,050,000.00	\$0.00	\$325,000.00	\$725,000.00	\$0.00	Y	Y	Y	Y	N/A

LON-009	London, City of	London, City of	42°59'15.9"N 81°14'25.3"W	Construct New Downtown Cycle Tracks	<b>**Modified project**</b> Modifications to description and funding. See key notes for details. Construction of cycle tracks on Colborne Street to promote active transportation and improve connections to the transit system. This project is an important feature in London ON Bikes, the new Cycling Master Plan. The cycle track will integrate with the local transit services along the corridor. Project modification request to extend timeline to May 31, 2018 due to delays starting project and contractor capacity to finish the work within the original timeline.	IV. Projects for system expansion, which may include active transportation, if they can be completed within the program timeframe.	New	2017/06/01	2019/09/30	N	\$1,750,000.00	\$1,750,000.00	\$875,000.00	\$0.00	\$0.00	\$875,000.00	\$0.00	Y	Y	Y	Y	N/A
LON-010	London, City of	London, City of	42°57'08.0"N 81°20'31.7"W	Byron Baseline and Wonderland Road Sidewalk and Bicycle Facilities	Bicycle facility and sidewalk construction along transit routes on Byron Baseline and Wonderland Road in coordination with other works.	IV. Projects for system expansion, which may include active transportation, if they can be completed within the program timeframe.	New	2016/10/01	2019/06/30	N	\$1,750,000.00	\$1,750,000.00	\$875,000.00	\$0.00	\$0.00	\$875,000.00	\$0.00	Y	Y	Y	Y	N/A
LON-011	London, City of	London, City of	42°59'01.8"N 81°17'33.5"W	Separated Bicycle Lane Renewal	Rehabilitation of the separated bicycle lanes on Wonderland Road, Fanshawe Park Road and Adelaide Street to provide improved active transportation links and road crossings to London's Transit Villages.	IV. Projects for system expansion, which may include active transportation, if they can be completed within the program timeframe.	New	2016/10/01	2017/12/30	N	\$1,290,000.00	\$1,290,000.00	\$645,000.00	\$0.00	\$0.00	\$645,000.00	\$0.00	Y	Y	Y	Y	N/A
LON-012	London, City of	London, City of	42°55'59.3"N 81°16'21.1"W	Construct Bradley Avenue Extension Transit and Active Transportation Features	Implementation new active transportation and transit stops on the Bradley Avenue Extension from Wonderland Road to Wharncliffe Road, a new transportation corridor in Southwest London.	IV. Projects for system expansion, which may include active transportation, if they can be completed within the program timeframe.	New	2016/05/01	2018/01/30	N	\$500,000.00	\$500,000.00	\$250,000.00	\$0.00	\$0.00	\$250,000.00	\$0.00	Y	Y	Y	Y	N/A
LON-013	London, City of	London, City of	42°59'55.0"N 81°13'19.0"W	Sidewalk and Bicycle Lane Improvements on the Field Marshall Wolseley Bridge	Widening of the sidewalks and installation of bollard separation for the bicycle lanes on the bridge over the Canadian Pacific Railway line, providing better pedestrian accessibility along an existing transit route.	IV. Projects for system expansion, which may include active transportation, if they can be completed within the program timeframe.	New	2016/05/01	2017/10/30	N	\$190,000.00	\$190,000.00	\$95,000.00	\$0.00	\$0.00	\$95,000.00	\$0.00	Y	Y	Y	Y	N/A
LON-014	London, City of	London, City of	42°59'20.3"N 81°15'25.9"W	Rehabilitate & Upgrade Blackfriars Bridge Active Transportation Components	<b>***Modified Project***</b> See timeline history and key notes for original information. Blackfriars Bridge provides an important active transportation connection across the Thames River but is currently partially closed. Rehabilitation of the Blackfriars Bridge sidewalk and creation of a new bicycle lane will improve the active transportation network and provide connectivity to nearby major transit corridors. Project completion date extended to March 28, 2019 due to magnitude of construction and also due to delays receiving Ministry of Environment and Climate Change (MOECC) approval to proceed to implementation.	IV. Projects for system expansion, which may include active transportation, if they can be completed within the program timeframe.	New	2016/05/01	2019/06/30	N	\$1,500,000.00	\$1,500,000.00	\$750,000.00	\$0.00	\$0.00	\$750,000.00	\$0.00	Y	Y	Y	Y	N/A
LON-015	London, City of	London, City of	42°59'23.6"N 81°13'48.6"W	Old East Village Shift Rapid Transit Route Parking Lot Improvements	Improvements to the parking lots in the Old East Village are part of the first phase of the Shift Rapid Transit project that will mitigate the loss of on-street parking as a result of the adjacent Dundas Street rapid transit route and station.	III. Expenditures to support the design and planning for the expansion and improvements to public transit systems, including transportation demand management measures and studies and pilot projects related to innovative and transformative technologies	New	2016/05/01	2019/01/31	N	\$1,300,000.00	\$1,300,000.00	\$650,000.00	\$0.00	\$0.00	\$650,000.00	\$0.00	Y	Y	Y	Y	N/A

LON-019	London, City of	London, City of	450 Highbury Avenue North, London ON N5W 5L2	Upgrade Automatic Vehicle Location/Communication System utilized at London Transit	Upgrade of system software and hardware will resolve a number of outstanding software issues and provide the opportunity for enhanced data integration going forward	I. Capital projects for the rehabilitation, optimization and modernization of public transit infrastructure, or that improve the efficiency , accessibility and/or safety of public transit infrastructure (including rehabilitation or enhancement of existing guide ways, maintenance and storage facilities, transit stations, or other public transit capital assets; refurbishment of existing rolling stock ; intelligent transportation systems and replacement or enhancements of transit stations).	Rehabilitation	2017/01/01	2018/03/31	N	\$242,000.00	\$242,000.00	\$121,000.00	\$0.00	\$121,000.00	\$0.00	\$0.00	Y	Y	N	Y	N/A
LON-021	London, City of	London, City of	450 Highbury Avenue North, London ON N5W 5L2	Upgrade of on-board bus audio/video recording system	Upgrade of on-board audio/video recording system including system software and replacement of on-board hard drives, noting current drives are subject to frequent failure. Replacements will provide a more stable and reliable system.	I. Capital projects for the rehabilitation, optimization and modernization of public transit infrastructure, or that improve the efficiency , accessibility and/or safety of public transit infrastructure (including rehabilitation or enhancement of existing guide ways, maintenance and storage facilities, transit stations, or other public transit capital assets; refurbishment of existing rolling stock ; intelligent transportation systems and replacement or enhancements of transit stations).	Rehabilitation	2017/05/01	2020/03/31	N	\$350,000.00	\$350,000.00	\$175,000.00	\$0.00	\$175,000.00	\$0.00	\$0.00	Y	N	N	Y	N/A
LON-022	London, City of	London, City of	450 Highbury Avenue North, London ON N5W 5L2	Replacement of current telephone system in use at London Transit	Replacement of telephone switching system for both conventional and specialized transit operations. Current system relies on old technology and is subject to frequent failure. Replacement will provide expanded feature set as well as a more reliable platform. Project modification request is to extend timelines to May 31, 2018 due to resource availability during remainder of 2017 given extent of PTIF projects underway.	I. Capital projects for the rehabilitation, optimization and modernization of public transit infrastructure, or that improve the efficiency , accessibility and/or safety of public transit infrastructure (including rehabilitation or enhancement of existing guide ways, maintenance and storage facilities, transit stations, or other public transit capital assets; refurbishment of existing rolling stock ; intelligent transportation systems and replacement or enhancements of transit stations).	Rehabilitation	2018/01/01	2020/03/31	N	\$300,000.00	\$300,000.00	\$150,000.00	\$0.00	\$150,000.00	\$0.00	\$0.00	Y	Y	N	Y	N/A
LON-023	London, City of	London, City of	450 Highbury Avenue North, London ON N5W 5L2	Retrofit current bus fleet (110 buses) with perimeter seating to increase accessibility	Retrofit existing fleet (approximately 110 buses) with perimeter seating in the front of the bus to provide for increased capacity for strollers and mobility devices, resulting in increased accessibility fleet wide. Project modification request is to extend timelines to March 31, 2019 due to inability of seat manufacturer to deliver seating within original timeframe.	I. Capital projects for the rehabilitation, optimization and modernization of public transit infrastructure, or that improve the efficiency , accessibility and/or safety of public transit infrastructure (including rehabilitation or enhancement of existing guide ways, maintenance and storage facilities, transit stations, or other public transit capital assets; refurbishment of existing rolling stock ; intelligent transportation systems and replacement or enhancements of transit stations).	Rehabilitation	2018/01/01	2019/06/30	N	\$1,125,000.00	\$1,125,000.00	\$562,500.00	\$0.00	\$562,500.00	\$0.00	\$0.00	Y	Y	N	Y	N/A
LON-024	London, City of	London, City of	450 Highbury Avenue North, London ON N5W 5L2 and 3508 Wonderland Rd, London, ON N6L 1A7	Asphalt repairs at both transit facilities	Repair of asphalt at both transit facilities including bus access rights of way, public access ways and employee parking, improving safety at both sites.	I. Capital projects for the rehabilitation, optimization and modernization of public transit infrastructure, or that improve the efficiency , accessibility and/or safety of public transit infrastructure (including rehabilitation or enhancement of existing guide ways, maintenance and storage facilities, transit stations, or other public transit capital assets; refurbishment of existing rolling stock ; intelligent transportation systems and replacement or enhancements of transit stations).	Rehabilitation	2017/05/01	2017/12/31	N	\$400,000.00	\$400,000.00	\$200,000.00	\$0.00	\$200,000.00	\$0.00	\$0.00	Y	N	N	Y	N/A

LON-025	London, City of	London, City of	450 Highbury Avenue North, London ON N5W 5L2 and 3508 Wonderland Rd, London, ON N6L 1A7	Upgrade lighting to Light-emitting diodes (LED) at both transit facilities	Replacement of existing lighting in bus storage barns at Highbury transit facility as well as all exterior lighting at both facilities, improving safety as well as environmental impacts	I. Capital projects for the rehabilitation, optimization and modernization of public transit infrastructure, or that improve the efficiency , accessibility and/or safety of public transit infrastructure (including rehabilitation or enhancement of existing guide ways, maintenance and storage facilities, transit stations, or other public transit capital assets; refurbishment of existing rolling stock ; intelligent transportation systems and replacement or enhancements of transit stations).	Rehabilitation	2017/02/01	2018/03/31	N	\$325,000.00	\$325,000.00	\$162,500.00	\$0.00	\$162,500.00	\$0.00	\$0.00	Y	Y	Y	Y	N/A
LON-026	London, City of	London, City of	450 Highbury Avenue North, London ON N5W 5L2	Replacement of (2) hoists at Highbury transit facility	Replacement of 2 hoists in the Highbury transit facility, noting the approximate age of those being replaced is 22 years	I. Capital projects for the rehabilitation, optimization and modernization of public transit infrastructure, or that improve the efficiency , accessibility and/or safety of public transit infrastructure (including rehabilitation or enhancement of existing guide ways, maintenance and storage facilities, transit stations, or other public transit capital assets; refurbishment of existing rolling stock ; intelligent transportation systems and replacement or enhancements of transit stations).	Rehabilitation	2017/01/01	2017/12/31	N	\$400,000.00	\$400,000.00	\$200,000.00	\$0.00	\$0.00	\$200,000.00	\$0.00	Y	N	N	Y	N/A
LON-028	London, City of	London, City of	450 Highbury Avenue North, London ON N5W 5L2	Upgrade of Fuel Cardlock system at Highbury Transit Facility	Upgrade of the fuel cardlock system in use at the Highbury transit facility noting the current system has been in use for 16 years. Upgrade will provide for integration with the system in use at the Wonderland facility	I. Capital projects for the rehabilitation, optimization and modernization of public transit infrastructure, or that improve the efficiency , accessibility and/or safety of public transit infrastructure (including rehabilitation or enhancement of existing guide ways, maintenance and storage facilities, transit stations, or other public transit capital assets; refurbishment of existing rolling stock ; intelligent transportation systems and replacement or enhancements of transit stations).	Rehabilitation	2017/01/01	2017/12/31	N	\$115,000.00	\$115,000.00	\$57,500.00	\$0.00	\$0.00	\$57,500.00	\$0.00	Y	N	N	Y	N/A
LON-029	London, City of	London, City of	450 Highbury Avenue North, London ON N5W 5L2	Replacement of 10 engines and related ancillary equipment in buses that have surpassed the planned 6 year replacement cycle	**Modified project** Modifications made to title and description. See key notes for details. Replacement of 10 engines and related ancillary equipment in a number of buses that have extended past the planned 6 year engine replacement. Engines being replaced are between 7 and 8 years old, and related buses are subject to ongoing maintenance issues. Replacement will result in a more reliable fleet.	I. Capital projects for the rehabilitation, optimization and modernization of public transit infrastructure, or that improve the efficiency , accessibility and/or safety of public transit infrastructure (including rehabilitation or enhancement of existing guide ways, maintenance and storage facilities, transit stations, or other public transit capital assets; refurbishment of existing rolling stock ; intelligent transportation systems and replacement or enhancements of transit stations).	Rehabilitation	2017/01/01	2019/06/30	N	\$900,000.00	\$900,000.00	\$450,000.00	\$0.00	\$450,000.00	\$0.00	\$0.00	Y	Y	N	Y	N/A
LON-030	London, City of	London, City of	450 Highbury Avenue North, London ON N5W 5L2	Replacement of all 380 bus shelters currently in place in the City of London	Fast track of shelter replacement for all 380 transit shelters noting the average age of the shelters being replaced is 20 years. Original project was to take place over a 7 year period, project will be fast tracked and completed in 1 year. New shelters will include lighting to improve rider safety. Project modification request is to extend timelines to June 30, 2018 due to requirement to pour cement pads for some remaining shelters which cannot be completed until spring.	I. Capital projects for the rehabilitation, optimization and modernization of public transit infrastructure, or that improve the efficiency , accessibility and/or safety of public transit infrastructure (including rehabilitation or enhancement of existing guide ways, maintenance and storage facilities, transit stations, or other public transit capital assets; refurbishment of existing rolling stock ; intelligent transportation systems and replacement or enhancements of transit stations).	Rehabilitation	2016/10/01	2020/03/31	N	\$2,639,000.00	\$2,639,000.00	\$1,319,500.00	\$0.00	\$1,319,500.00	\$0.00	\$0.00	Y	Y	N	Y	N/A

LON-031	London, City of	London, City of	450 Highbury Avenue North, London ON N5W 5L2	Upgrades to file server and network switching infrastructure in use at the Highbury Transit Facility.	Upgrades to current file server and network switching infrastructure supporting transit IT software. Upgrades will provide required flexibility going forward for future planned software upgrades and implementations.	I. Capital projects for the rehabilitation, optimization and modernization of public transit infrastructure, or that improve the efficiency, accessibility and/or safety of public transit infrastructure (including rehabilitation or enhancement of existing guide ways, maintenance and storage facilities, transit stations, or other public transit capital assets; refurbishment of existing rolling stock; intelligent transportation systems and replacement or enhancements of transit stations).	Rehabilitation	2017/05/01	2018/03/31	N	\$203,000.00	\$203,000.00	\$101,500.00	\$0.00	\$0.00	\$101,500.00	\$0.00	Y	Y	N	Y	N/A
LON-032	London, City of	London, City of	450 Highbury Avenue North, London ON N5W 5L2	Replacement of bus wash infrastructure at Highbury Transit Facility	Replacement of bus wash infrastructure at Highbury transit facility (2 bus washes), noting current infrastructure is 12 years old. New infrastructure will include ability to wash buses equipped with bike racks.	I. Capital projects for the rehabilitation, optimization and modernization of public transit infrastructure, or that improve the efficiency, accessibility and/or safety of public transit infrastructure (including rehabilitation or enhancement of existing guide ways, maintenance and storage facilities, transit stations, or other public transit capital assets; refurbishment of existing rolling stock; intelligent transportation systems and replacement or enhancements of transit stations).	Rehabilitation	2017/05/01	2018/03/31	N	\$736,000.00	\$736,000.00	\$368,000.00	\$0.00	\$0.00	\$368,000.00	\$0.00	Y	Y	N	Y	N/A
LON-034	London, City of	London, City of	450 Highbury Avenue North, London ON N5W 5L2	Replacement batteries for 8 Hybrid buses currently in fleet	Purchase and installation of replacement batteries for the 8 Hybrid buses in the fleet, noting the buses have exceeded the 5 year age mark where replacement is recommended by the manufacturer. Replacement will result in a more reliable fleet going forward.	I. Capital projects for the rehabilitation, optimization and modernization of public transit infrastructure, or that improve the efficiency, accessibility and/or safety of public transit infrastructure (including rehabilitation or enhancement of existing guide ways, maintenance and storage facilities, transit stations, or other public transit capital assets; refurbishment of existing rolling stock; intelligent transportation systems and replacement or enhancements of transit stations).	Rehabilitation	2017/01/01	2020/03/31	N	\$745,000.00	\$745,000.00	\$372,500.00	\$0.00	\$372,500.00	\$0.00	\$0.00	Y	N	N	Y	N/A
LON-035	London, City of	London, City of	450 Highbury Avenue North, London ON N5W 5L2	Replacement Dual Power Inverter Modules for 8 Hybrid buses	Purchase and installation of replacement Dual Power Inverter Modules for the 8 Hybrid buses in the fleet, noting the buses have exceeded the 6 year age when replacement is suggested. Replacement will result in a more reliable fleet	I. Capital projects for the rehabilitation, optimization and modernization of public transit infrastructure, or that improve the efficiency, accessibility and/or safety of public transit infrastructure (including rehabilitation or enhancement of existing guide ways, maintenance and storage facilities, transit stations, or other public transit capital assets; refurbishment of existing rolling stock; intelligent transportation systems and replacement or enhancements of transit stations).	Rehabilitation	2017/01/01	2018/03/31	N	\$400,000.00	\$400,000.00	\$200,000.00	\$0.00	\$200,000.00	\$0.00	\$0.00	Y	N	N	Y	N/A
LON-036	London, City of	London, City of	450 Highbury Avenue North, London ON N5W 5L2	Replacement of transmissions for 8 Diesel buses	**Modified project** Modifications made to title and description. See key notes for details. Purchase and installation of replacement transmissions for the 8 Diesel buses in the fleet, noting the buses have exceeded the 6 year age when replacement is suggested. Replacement will result in a more reliable fleet of buses.	I. Capital projects for the rehabilitation, optimization and modernization of public transit infrastructure, or that improve the efficiency, accessibility and/or safety of public transit infrastructure (including rehabilitation or enhancement of existing guide ways, maintenance and storage facilities, transit stations, or other public transit capital assets; refurbishment of existing rolling stock; intelligent transportation systems and replacement or enhancements of transit stations).	Rehabilitation	2017/01/01	2019/06/30	N	\$828,000.00	\$828,000.00	\$414,000.00	\$0.00	\$414,000.00	\$0.00	\$0.00	Y	N	N	Y	N/A

LON-037	London, City of	London, City of	450 Highbury Avenue North, London ON N5W 5L2	Replacement of the Autotechnik Joints for 9 articulated buses in the fleet	Purchase and installation of replacement Autotechnik Joints for 9 articulated buses in the fleet, noting buses are reaching the age where replacement of these components is required to ensure the bus remains reliable and available for service.	I. Capital projects for the rehabilitation, optimization and modernization of public transit infrastructure, or that improve the efficiency , accessibility and/or safety of public transit infrastructure (including rehabilitation or enhancement of existing guide ways, maintenance and storage facilities, transit stations, or other public transit capital assets; refurbishment of existing rolling stock ; intelligent transportation systems and replacement or enhancements of transit stations).	Rehabilitation	2017/01/01	2019/06/30	N	\$552,000.00	\$552,000.00	\$276,000.00	\$0.00	\$276,000.00	\$0.00	\$0.00	Y	N	N	Y	N/A
LON-039	London, City of	London, City of	3508 Wonderland Rd, London, ON N6L 1A7	Complete construction to enclose existing structure at Wonderland transit facility to provide for additional storage	Complete construction required to enclose a current structure at the Wonderland transit facility which will provide opportunity for alternate use including bus/equipment storage.	I. Capital projects for the rehabilitation, optimization and modernization of public transit infrastructure, or that improve the efficiency , accessibility and/or safety of public transit infrastructure (including rehabilitation or enhancement of existing guide ways, maintenance and storage facilities, transit stations, or other public transit capital assets; refurbishment of existing rolling stock ; intelligent transportation systems and replacement or enhancements of transit stations).	Rehabilitation	2017/01/01	2017/12/31	N	\$60,000.00	\$60,000.00	\$30,000.00	\$0.00	\$30,000.00	\$0.00	\$0.00	Y	N	N	Y	N/A
LON-040	London, City of	London, City of	450 Highbury Avenue North, London ON N5W 5L2	Replace/repair existing perimeter fencing at Highbury Transit Facility	Replace and/or repair existing perimeter fencing at the Highbury transit facility resulting in increased safety and security of the facility	I. Capital projects for the rehabilitation, optimization and modernization of public transit infrastructure, or that improve the efficiency , accessibility and/or safety of public transit infrastructure (including rehabilitation or enhancement of existing guide ways, maintenance and storage facilities, transit stations, or other public transit capital assets; refurbishment of existing rolling stock ; intelligent transportation systems and replacement or enhancements of transit stations).	Rehabilitation	2017/01/01	2017/12/31	N	\$80,000.00	\$80,000.00	\$40,000.00	\$0.00	\$40,000.00	\$0.00	\$0.00	Y	N	N	Y	N/A
LON-041	London, City of	London, City of	450 Highbury Avenue North, London ON N5W 5L2	Replace security gate infrastructure at Highbury Transit Facility	Replace all security gates and supporting infrastructure at Highbury transit facility resulting in increased safety and security at the facility	I. Capital projects for the rehabilitation, optimization and modernization of public transit infrastructure, or that improve the efficiency , accessibility and/or safety of public transit infrastructure (including rehabilitation or enhancement of existing guide ways, maintenance and storage facilities, transit stations, or other public transit capital assets; refurbishment of existing rolling stock ; intelligent transportation systems and replacement or enhancements of transit stations).	Rehabilitation	2017/01/01	2018/12/31	N	\$150,000.00	\$150,000.00	\$75,000.00	\$0.00	\$75,000.00	\$0.00	\$0.00	Y	N	N	Y	N/A
LON-042	London, City of	London, City of	450 Highbury Avenue North, London ON N5W 5L2	Replacement of all (25) man doors at Highbury Transit Facility	Replacement of all (25) steel man doors at Highbury transit facility due to significant rust/failure of doors and frames resulting in a safer and more secure facility.	I. Capital projects for the rehabilitation, optimization and modernization of public transit infrastructure, or that improve the efficiency , accessibility and/or safety of public transit infrastructure (including rehabilitation or enhancement of existing guide ways, maintenance and storage facilities, transit stations, or other public transit capital assets; refurbishment of existing rolling stock ; intelligent transportation systems and replacement or enhancements of transit stations).	Rehabilitation	2017/05/01	2018/03/31	N	\$30,000.00	\$30,000.00	\$15,000.00	\$0.00	\$15,000.00	\$0.00	\$0.00	Y	N	Y	Y	N/A

LON-043	London, City of	London, City of	3508 Wonderland Rd, London, ON N6L 1A7	Completion of concrete repair at Wonderland Transit Facility	Completion of concrete repair on public and employee walkways at Wonderland transit facility resulting in improved safety	I. Capital projects for the rehabilitation, optimization and modernization of public transit infrastructure, or that improve the efficiency, accessibility and/or safety of public transit infrastructure (including rehabilitation or enhancement of existing guide ways, maintenance and storage facilities, transit stations, or other public transit capital assets; refurbishment of existing rolling stock; intelligent transportation systems and replacement or enhancements of transit stations).	Rehabilitation	2017/01/01	2018/03/31	N	\$150,000.00	\$150,000.00	\$75,000.00	\$0.00	\$75,000.00	\$0.00	\$0.00	Y	N	N	Y	N/A
LON-044	London, City of	London, City of	3508 Wonderland Rd, London, ON N6L 1A7	Replacement of sewage pump infrastructure at the Wonderland Transit Facility	Replacement of sewage pump at Wonderland transit facility, noting current pump has reached its useful life and can be expected to be failing. Replacement will result in a safer work environment.	III. Expenditures to support the design and planning for the expansion and improvements to public transit systems, including transportation demand management measures and studies and pilot projects related to innovative and transformative technologies	Rehabilitation	2017/01/01	2018/12/31	N	\$69,000.00	\$69,000.00	\$34,500.00	\$0.00	\$0.00	\$34,500.00	\$0.00	Y	N	N	Y	N/A
LON-045	London, City of	London, City of	450 Highbury Avenue North, London ON N5W 5L2	Renovation of reception area at Highbury transit facility to provide greater security	Renovation of the reception area at the Highbury transit facility to provide for enhanced safety and security for employees working alone during off hours	III. Expenditures to support the design and planning for the expansion and improvements to public transit systems, including transportation demand management measures and studies and pilot projects related to innovative and transformative technologies	Rehabilitation	2017/01/01	2017/12/31	N	\$23,000.00	\$23,000.00	\$11,500.00	\$0.00	\$11,500.00	\$0.00	\$0.00	Y	N	N	Y	N/A
LON-047	London, City of	London, City of	450 Highbury Avenue North, London ON N5W 5L2	Completion of a Facility needs Assessment and detailed plan for Highbury Transit facility	Completion of a Facility Needs Assessment and Detailed Plan for the teardown/reconstruction of the Highbury transit facility. Facility is in excess of 50 years old and is not a purpose built transit facility. Replacement consideration has been identified in long-term asset management plan	III. Expenditures to support the design and planning for the expansion and improvements to public transit systems, including transportation demand management measures and studies and pilot projects related to innovative and transformative technologies	Study	2017/01/01	2019/03/31	N	\$300,000.00	\$300,000.00	\$150,000.00	\$0.00	\$150,000.00	\$0.00	\$0.00	Y	N	N	Y	N/A
LON-048	London, City of	London, City of	450 Highbury Avenue North, London ON N5W 5L2	Purchase and installation of 72 Automatic Passenger Counters for remainder of bus fleet	Purchase and installation of automatic passenger counters (APC) for 72 remaining buses in London Transit Commission (LTC) fleet. The addition of APC's enhances the data availability for system planning purposes.	I. Capital projects for the rehabilitation, optimization and modernization of public transit infrastructure, or that improve the efficiency, accessibility and/or safety of public transit infrastructure (including rehabilitation or enhancement of existing guide ways, maintenance and storage facilities, transit stations, or other public transit capital assets; refurbishment of existing rolling stock; intelligent transportation systems and replacement or enhancements of transit stations).	Expansion	2017/01/01	2019/12/31	N	\$575,000.00	\$575,000.00	\$287,500.00	\$0.00	\$287,500.00	\$0.00	\$0.00	Y	Y	N	Y	N/A
LON-050	London, City of	London, City of	450 Highbury Avenue North, London ON N5W 5L2	Increased bus replacement program in 2017 to include 7 buses planned for 2018 replacement	Fast track bus replacement program in 2017 to include 7 buses from the planned 2018 replacement program. Fast tracking will result in reducing the time required to attain the desired average fleet age of 6 years.	IV. Projects for system expansion, which may include active transportation, if they can be completed within the program timeframe.	Rehabilitation	2017/01/01	2017/12/31	N	\$4,000,000.00	\$4,000,000.00	\$2,000,000.00	\$0.00	\$850,000.00	\$1,150,000.00	\$0.00	Y	Y	Y	Y	N/A
LON-051	London, City of	London, City of	450 Highbury Avenue North, London ON N5W 5L2	Increased bus replacement program in 2018 to include 7 buses planned for 2019 replacement	Fast track bus replacement program in 2018 to include 7 buses from the planned 2019 replacement program. Fast tracking will result in reducing the time required to attain the desired average fleet age of 6 years. This project requires extended timelines given that the bus replacement process is completed with inhouse resources. The process requires the removal of all ancillary equipment from the bus being retired and the install of same equipment on the new bus. This process has to occur over the summer months when reduced service levels result in a greater number of spares to allow for this transition without impacting service.	IV. Projects for system expansion, which may include active transportation, if they can be completed within the program timeframe.	Rehabilitation	2018/01/01	2019/03/31	N	\$4,000,000.00	\$4,000,000.00	\$2,000,000.00	\$0.00	\$850,000.00	\$1,150,000.00	\$0.00	Y	Y	Y	Y	N/A

LON-052	London, City of	London, City of	1139 Hamilton Road, London ON	Rehabilitation of Thames Valley Parkway (TVP), South Branch	Rehabilitation & expansion of approx. 4.5km of south branch Thames Valley Parkway (TVP). The TVP is the backbone of London's 166km recreational pathway system and is an important component of the City's active transportation network. The TVP provides critical active transportation access to transit stops.	IV. Projects for system expansion, which may include active transportation, if they can be completed within the program timeframe.	Rehabilitation	2017/05/01	2018/02/21	N	\$1,000,000.00	\$1,000,000.00	\$500,000.00	\$0.00	\$0.00	\$500,000.00	\$0.00	Y	Y	Y	Y	N/A
LON-053	London, City of	London, City of	1205 Commissioners Road West, London ON	Rehabilitation of Thames Valley Parkway (TVP), Main Branch	Rehabilitation & expansion of approx. 1.5km of pathway and approx. 1km of interior park roads on the TVP Main Branch in Springbank and Greenway Park. The active transportation network in these parks sees over 400,000 user trips per year. The cycling networks connect to transit stops, encouraging cyclists from across the City to take transit. Project modification request to extend timeline to July 31, 2018 due to delays starting project and contractor capacity to finish the work within the original timeline.	IV. Projects for system expansion, which may include active transportation, if they can be completed within the program timeframe.	Rehabilitation	2018/01/01	2018/09/28	N	\$750,000.00	\$750,000.00	\$375,000.00	\$0.00	\$0.00	\$375,000.00	\$0.00	Y	Y	Y	Y	N/A
LON-054	London, City of	London, City of	650 Windermere Road, London ON	Rehabilitation of 3 Pedestrian Bridges	***Modified Project*** See timeline history for original information. Rehabilitation of four pedestrian bridge structures along the Stoney Creek Recreational Pathway System. This recreational pathway and associated bridges provide critical connections between London neighbourhoods and major destinations such as hospitals, the University of Western Ontario, the Thames Valley Parkway, and the City's transit network.	IV. Projects for system expansion, which may include active transportation, if they can be completed within the program timeframe.	Rehabilitation	2017/05/01	2020/03/31	N	\$600,000.00	\$600,000.00	\$300,000.00	\$0.00	\$0.00	\$300,000.00	\$0.00	Y	Y	Y	Y	N/A
LON-055	London, City of	London, City of	300 Dufferin Avenue	12 Audible Pedestrian Signal Upgrades	This project will upgrade twelve (12) traffic signals with audible pedestrian signal push buttons and tactile plates as per the Accessibility for Ontarians with Disabilities Act requirements. This project will target traffic signals that are not currently scheduled for reconstruction. Improved accessibility at the traffic signals will benefit all users but in particular, it will provide visually impaired pedestrians a safe and comfortable access to transit stops.	IV. Projects for system expansion, which may include active transportation, if they can be completed within the program timeframe.	New	2017/01/01	2018/07/31	N	\$390,000.00	\$390,000.00	\$195,000.00	\$0.00	\$0.00	\$195,000.00	\$0.00	Y	Y	N	Y	N/A
LON-056	London, City of	London, City of	300 Dufferin Avenue	Installation of 60 Pedestrian Countdown Signal Heads	**Modified project** Modifications to funding. See key notes for details. This project involves the installation of pedestrian countdown signal heads at sixty (60) signalized intersections. Pedestrian countdown signals assist pedestrians utilizing active mobility infrastructure. Positive feedback is provided with respect to how much time is available to cross the intersection. Improved pedestrian crossings at signalized intersections improves access to transit stops.	IV. Projects for system expansion, which may include active transportation, if they can be completed within the program timeframe.	New	2017/01/01	2017/10/30	N	\$200,000.00	\$200,000.00	\$100,000.00	\$0.00	\$0.00	\$100,000.00	\$0.00	Y	Y	N	Y	N/A
LON-057	London, City of	London, City of	300 Dufferin Avenue	Bicycle Detection Improvements at 4 intersections	The standard induction loop vehicle detection works well for automobiles but does not consistently detect bicycles. This project would upgrade four (4) intersections with improved bicycle detection thereby improving the City's cycling network and facilitating additional active transportation trips that connect cyclists to the City's transit network.	I. Capital projects for the rehabilitation, optimization and modernization of public transit infrastructure, or that improve the efficiency, accessibility and/or safety of public transit infrastructure (including rehabilitation or enhancement of existing guide ways, maintenance and storage facilities, transit stations, or other public transit capital assets; refurbishment of existing rolling stock; intelligent transportation systems and replacement or enhancements of transit stations).	New	2017/01/01	2017/10/30	N	\$100,000.00	\$100,000.00	\$50,000.00	\$0.00	\$0.00	\$50,000.00	\$0.00	Y	Y	Y	Y	N/A
											\$40,807,000.00	\$40,807,000.00	\$20,403,500.00	\$0.00	\$7,112,000.00	\$13,291,500.00	\$0.00					

**APPENDIX C**

**TO THE PUBLIC TRANSIT INFRASTRUCTURE FUND (PTIF) PHASE ONE (ONTARIO) TRANSFER PAYMENT AGREEMENT**

**SUB-SCHEDULE "C.2"  
EXTENDED PROGRAM FUNDING REQUEST**

Project Information										Federal Land	Financial Information							Project Objectives			Incrementality	Risk Assessment
Unique Project ID	Ultimate Recipient	Project Location	Actual Project Site (Civic Address or Geo Coordinates)	Project Title	Project Description	Eligible Investments Category	Project Nature	Forecasted Start Date (YYYY/MM/DD)	Forecasted End Date (YYYY/MM/DD)	Project Located on Federal Land (Y/N)	Total Project Cost	Total Eligible Cost	Program Contribution (Eligible Expenditures)	Other Federal Contributions (Eligible Expenditures)	Provincial Contribution (Eligible Expenditures)	Municipal Contribution (Eligible Expenditures)	Other Contribution (Eligible Expenditures)	Increased Capacity or Lifespan of the Asset (Y/N)	Enhanced Service (Y/N)	Improved Environmental Outcomes (Y/N)	Evidence of Incrementality (Y/N)	Risk Factors
LON-002	London, City of	London, City of	300 Dufferin Avenue, London ON	Shift Rapid Transit Pilot Project & Implementation	Shift is London's Bus Rapid Transit Initiative. Project is the advancement of further engineering studies and design for the rapid transit initiative. Engineering studies will include risk assessment, design of stations, field investigations and detail design of corridors. Project scope requires an extension into year 3 due to magnitude of construction and includes the implementation of a potential quick start rapid transit program and initial construction/utility relocation.	III. Expenditures to support the design and planning for the expansion and improvements to public transit systems, including transportation demand management measures and studies and pilot projects related to innovative and transformative technologies	Studies/ Planning/ Asset Management	2016-04-01	2021-07-31	N	\$14,750,818.00	\$14,750,818.00	\$7,375,409.00	\$0.00	\$0.00	\$7,375,409.00	\$0.00	Y	Y	Y	Y	Low risk - standard work
LON-003	London, City of	London, City of	42°59'01.4"N 81°14'58.9"W	Rehabilitation of Dundas Place	Dundas Place is the conversion of a portion of downtown Dundas Street from an auto oriented street into an active transportation friendly area that includes the reconfiguration of transit service routes/stops and relocation of the primary transit hub in the downtown. Project is being accelerated to help implement transit reorganization of routes and project scope requires an extension into year 3 due to magnitude of construction.	IV. Projects for system expansion, which may include active transportation, if they can be completed within the program timeframe.	Expansion	2016-04-01	2021-07-31	N	\$16,000,000.00	\$16,000,000.00	\$8,000,000.00	\$0.00	\$0.00	\$8,000,000.00	\$0.00	Y	Y	Y	Y	Coordination with Utilities & Downtown businesses.
LON-016	London, City of	London, City of	300 Dufferin Avenue, London ON	Feasibility Study for a Downtown Transportation Alliance	A Downtown Transportation Alliance (working title) in London would be modelled after a traditional Transportation Management Association (TMA) which is a formal organization of businesses, institutions, agencies and a local government dedicated to providing transportation solutions to meet the needs of its members (or geographic area). A key aspect of the Downtown Transportation Alliance will be raising awareness of the fundamental role the future Bus Rapid Transit (BRT) will play in moving Londoners and employees in and out of the core. The benefits of Downtown Transportation Alliance TMA include but are not limited to: <ul style="list-style-type: none"> <li>pooling the resources of many employers, thereby increasing their impact (e.g., often reducing cost, increasing environmental benefit, providing certainty in commuter travel, encouraging positive transportation behaviours)</li> <li>providing a way for businesses to help solve local transportation challenges for their employees</li> <li>allowing public and private entities to work together</li> <li>implementing programs to alleviate traffic congestion, improve air quality and reduce greenhouse gas generation</li> </ul> Project completion date extended to March 28, 2019 due to delays starting project and contractor capacity to finish the work within the original timeline.	IV. Projects for system expansion, which may include active transportation, if they can be completed within the program timeframe.	Studies/ Planning/ Asset Management	2017/05/01	2021/07/31	N	\$150,000.00	\$150,000.00	\$75,000.00	\$0.00	\$0.00	\$75,000.00	\$0.00	N	Y	Y	Y	Increased pressure on project participants (community engagement)

LON-017	London, City of	London, City of	300 Dufferin Avenue, London ON	Neighbourhood Bike Parking Infrastructure Preliminary Concepts Study	Within London's future Transit Villages and neighbourhoods along Bus Rapid Transit (BRT) Corridors, bike parking infrastructure will be required. The goal is to develop a base package of bike lockup facility needs and amenities located in common footprint designs or placed near BRT stations. The designs will be customizable to meet the design needs of the local neighbourhood; however many common elements will remain unchanged to ensure consistency across the city. Project completion date extended to September 30, 2018 due to delays starting project and contractor capacity to finish the work within the original timeline.	III. Expenditures to support the design and planning for the expansion and improvements to public transit systems, including transportation demand management measures and studies and pilot projects related to innovative and transformative technologies	Studies/ Planning/ Asset Management	2017/05/01	2021/07/31	N	\$50,000.00	\$50,000.00	\$25,000.00	\$0.00	\$0.00	\$25,000.00	\$0.00	N	Y	Y	Y	Increased pressure on project participants (community engagement)
LON-020	London, City of	London, City of	450 Highbury Avenue North, London ON N5W 5L2	Replacement of existing 8-line wayside transit information signs	Replacement of current 8-line wayside information signs given assets are in excess of 8 years old and are subject to frequent failure. Newer signs will provide increased reliability and also provide enhanced technology features. Project modification request is to extend timelines to March 31, 2019 due to extended delivery requirements of 12 months as indicated in RFP response.	I. Capital projects for the rehabilitation, optimization and modernization of public transit infrastructure, or that improve the efficiency, accessibility and/or safety of public transit infrastructure (including rehabilitation or enhancement of existing guide ways, maintenance and storage facilities, transit stations, or other public transit capital assets; refurbishment of existing rolling stock; intelligent transportation systems and replacement or enhancements of transit stations).	Rehabilitation	2018/01/01	2021/07/31	N	\$391,000.00	\$391,000.00	\$195,500.00	\$0.00	\$195,500.00	\$0.00	\$0.00	Y	Y	N	Y	Product delivery lead time and installation.
LON-046	London, City of	London, City of	450 Highbury Avenue North, London ON N5W 5L2	Supply and installation of 35 wayside transit information signs at identified locations across the City	Purchase and installation of 35 wayside transit information signs across London at key locations identified through service planning process, resulting in better access to transit information for customers. Project modification request is to extend timelines to March 31, 2019 due to extended delivery requirements of 12 months as indicated in RFP response.	III. Expenditures to support the design and planning for the expansion and improvements to public transit systems, including transportation demand management measures and studies and pilot projects related to innovative and transformative technologies	New	2018/01/01	2021/07/31	N	\$325,000.00	\$325,000.00	\$162,500.00	\$0.00	\$162,500.00	\$0.00	\$0.00	Y	Y	N	Y	Product delivery lead time and installation.
											\$31,666,818.00	\$31,666,818.00	\$15,833,409.00	\$0.00	\$358,000.00	\$15,475,409.00	\$0.00					

**APPENDIX D  
TO THE PUBLIC TRANSIT INFRASTRUCTURE FUND (PTIF) PHASE ONE  
(ONTARIO) TRANSFER PAYMENT AGREEMENT**

**SCHEDULE “E”  
ELIGIBLE EXPENDITURES AND INELIGIBLE EXPENDITURES**

**E.1.0 DEFINITIONS**

E.1.1 **Definitions.** For the purposes of this Schedule “E” (Eligible Expenditures and Ineligible Expenditures):

“**Eligible Investments**” means the Eligible Investments described in section E.2.2 (Eligible Investments).

“**Ineligible Expenditures**” means the costs of the Project that are ineligible for contribution by the Province under the terms and conditions of the Agreement, and that are described in this Schedule “E” (Eligible Expenditures and Ineligible Expenditures).

**E.2.0 ELIGIBLE EXPENDITURES AND ELIGIBLE INVESTMENTS**

E.2.1 **Eligible Expenditures Date of Effect.** Eligible Expenditures can begin to accrue as of April 1, 2016.

E.2.2 **Eligible Investments.** The following are Eligible Investments:

- (a) capital projects for the rehabilitation, optimization and modernization of public transit infrastructure, or that improve the efficiency, accessibility or safety, or both, of public transit infrastructure (including rehabilitation or enhancement of existing guide ways, maintenance and storage facilities, transit stations or other public transit capital assets, refurbishment or

- replacement of existing rolling stock, intelligent transportation systems and replacement or enhancement of transit stations);
- (b) expenditures to support the asset management capacity of a public transit system;
  - (c) expenditures to support the design and planning for the expansion and improvements to public transit systems, including transportation demand management measures and studies and pilot projects related to innovative and transformative technologies; and
  - (d) projects for system expansion, which may include active transportation, if they can be completed within the PTIF timeframe.

**E.2.3 Scope of Eligible Expenditures.** Eligible Expenditures are the direct costs which are, in the Province’s opinion, properly and reasonably incurred by the Recipient between April 1, 2016 and March 31, 2020 for the Sub-projects described in Sub-schedule “C.1” (Program Funding Request) and July 31, 2021 for the Sub-projects described in Sub-schedule “C.2” (Extended Project Funding Request), and are Eligible Investments. Eligible Expenditures include only the following:

- (a) all costs considered by the Parties to be direct and necessary for the successful implementation of the Project, excluding the costs identified under Article E.3.0 (Ineligible Expenditures);
- (b) costs of Aboriginal consultation and, where appropriate, accommodation;
- (c) costs of construction carried out in-house by the Recipient;
- (d) and other costs that, in the opinion of the Province, are considered to be necessary for the successful implementation of the Project and have been approved in writing prior to being incurred.

## **E.3.0 INELIGIBLE EXPENDITURES**

**E.3.1 Scope of Ineligible Expenditures.** Unless a cost is considered an Eligible Expenditure pursuant to section E.2.3 (Scope of Eligible Expenditures), such cost will be considered an Ineligible Expenditure. Without limitation, the indirect costs listed in section E.3.2 (Indirect Costs), the costs that are over and above the Project scope listed in section E.3.3 (Costs Over and Above Project Scope), and the following costs will be considered Ineligible Expenditures:

- (a) costs incurred prior to April 1, 2016 and after March 31, 2020 for the Sub-projects described in Sub-schedule "C.1" (Program Funding Request), unless otherwise approved pursuant to paragraph E.2.3(d);
- (b) costs incurred prior to April 1, 2016 and after July 31, 2021 for the Sub-projects described in Sub-schedule "C.2" (Extended Program Funding Request) unless otherwise approved pursuant to paragraph E.2.3 (d);
- (c) except as otherwise specified in the Agreement and at the Province's sole discretion, costs incurred for a cancelled Sub-project;
- (d) land acquisition;
- (e) leasing land, buildings and other facilities;
- (f) leasing equipment other than equipment directly related to the construction of a Sub-project;
- (g) real estate fees and related costs;
- (h) financing charges;
- (i) legal fees and loan interest payments, including those related to easements (e.g., surveys);
- (j) any goods and services costs which are received through donations or in kind;
- (k) taxes for which the Recipient is eligible for a rebate, and any other costs eligible for rebates;
- (l) costs associated with operating expenses and regularly scheduled maintenance work;
- (m) costs incurred by the Recipient for the purpose of the Project Evaluation; and
- (n) other costs which are not specifically listed as Eligible Expenditures under

Article E.2.0 (Eligible Expenditures and Eligible Investments) and which, in the opinion of the Province, are considered to be ineligible.

**E.3.2 Indirect Costs.** Without limitation, the following indirect costs are Ineligible Expenditures:

- (a) costs of developing the business case for the purposes of applying for provincial funding for a Sub-project;
- (b) costs related to Project evaluation, including the Project Evaluation, and audit, unless otherwise approved by the Province in writing;
- (c) costs associated with obtaining necessary approvals, licenses or permits where the Recipient is the entity providing the approval, license or permit;
- (d) costs associated with general planning studies, including the Recipient's Official Plan and Transportation Master Plan;
- (e) salaries and other employment benefits of any employees, overhead costs as well as other direct or indirect operating or administrative costs of the Recipient, and more specifically these costs as related to planning, engineering, architecture, supervision, management and other services provided by the Recipient's permanent staff and funded under the Recipient's operating budget, unless used specifically towards the Project and only for the portion of time that they are used to work on the Project;
- (f) costs of any activities that are part of the regular operation and maintenance of municipal assets, including operation and maintenance costs related to the Project;
- (g) carrying costs incurred on the funding share of any funding partner other than the Province;
- (h) costs associated with municipal staff travel and any Third Party;
- (i) litigation costs incurred by the Recipient in proceedings against the Province or the Recipient;
- (j) legal costs incurred by the Recipient; and
- (k) Recipient's upgrades not expressly approved by the Province.

E.3.3 **Costs Over and Above Project Scope.** Activities undertaken as part of the Project that are over and above the scope of the Project will not be funded under the Agreement. These costs include, but are not limited to:

- (a) upgrading of municipal services and utilities that is over and above relocation or replacement that is necessitated for the Project;
- (b) upgrades to materials and design beyond existing municipal standards; and
- (c) corridor and urban design enhancements over and above those that are described for the Project.

**APPENDIX E  
TO THE PUBLIC TRANSIT INFRASTRUCTURE FUND (PTIF) PHASE ONE  
(ONTARIO) TRANSFER PAYMENT AGREEMENT**

**SCHEDULE “H”  
DISPOSAL OF AND REVENUES FROM ASSETS**

**H.1.0 DEFINITIONS**

H.1.1 **Definitions.** For the purposes of this Schedule “H” (Disposal of and Revenues from Assets):

“**Fiscal Year**” means the period beginning April 1 of a year and ending March 31 of the following year.

“**Local Government**” means a single-tier, lower-tier or upper-tier municipality established by or under an Ontario provincial statute, and also includes a municipal service corporation established by such a single-tier, lower-tier or upper-tier municipality.

**H.2.0 DISPOSAL OF ASSETS**

H.2.1 **Gas Tax Funds Implications.** Despite section H.2.2 (Repayment) and unless the Province otherwise requires in writing, the Recipient agrees that the terms and conditions under the Ministry of Transportation Dedicated Gas Tax Funds for Public Transportation Program (the “Dedicated Gas Tax Program”) will apply to any Asset purchased, acquired, constructed, repaired, rehabilitated, renovated or improved, in whole or in part, with funds from the Dedicated Gas Tax Program, in addition to the Funds, if the Recipient proposes to sell, lease, encumber or use in a manner other than described in the Agreement, or otherwise dispose of, directly or indirectly, any such Asset.

H.2.2 **Repayment.** Subject to sections H.2.1 (Gas Tax Funds Implications) and H.2.3 (Reinvestment), the Recipient undertakes to notify the Province in writing, 180

days in advance if, at any time prior to March 31, 2026 for the Sub-projects described in Sub-schedule “C.1” (Program Funding Request) and prior to July 31, 2027 for the Sub-projects described in Sub-schedule “C.2” (Extended Program Funding Request), the Recipient proposes to sell, lease, encumber or use any Asset in a manner other than described in the Agreement, or otherwise dispose of, directly or indirectly, any Asset purchased, acquired, constructed, repaired, rehabilitated, renovated or improved, in whole or in part, with Funds, other than to Canada, the Province, a Crown agent of the Province or Canada, or a Local Government or, with the Province’s written consent, any other entity. Upon disposition, unless the Province otherwise consents in writing, the Recipient hereby undertakes to reimburse the Province, forthwith on demand, a proportionate amount of the Province’s contribution, in the proportion set out below:

Where Asset sold, leased, encumbered, used in a manner other than described in the Agreement, or otherwise disposed of for the Sub-projects described in Sub-schedule “C.1” (Program Funding Request):	Where Asset sold, leased, encumbered, used in a manner other than described in the Agreement, or otherwise disposed of for the Sub-projects described in Sub-schedule “C.2” (Extended Program Funding Request):	Return of Funds (in current dollars)
On or before March 31, 2026	On or before July 31, 2027	100%
After March 31, 2026	After July 31, 2027	0%

H.2.3 **Reinvestment.** Notwithstanding the foregoing, if the Recipient disposes of any Asset, directly or indirectly, during the period noted in section H.2.2 (Repayment) for the return of Funds and replaces it with an asset of equal or greater value, the Recipient may, in lieu of the repayment provided for in section H.2.2

(Repayment) and with the Province's prior written consent, reinvest the proceeds from the disposal into the replacement asset.

### **H.3.0 REVENUES FROM ASSETS**

H.3.1 **Revenues.** The Parties acknowledge that their contributions to the Project are meant to accrue to the public benefit. The Recipient will notify the Province in writing, within 90 days of the end of a Fiscal Year, if any Asset is used in a way that, in the Fiscal Year, revenues generated from the Asset exceeded the Recipient's operating expenses. In such instance, the Province may require the Recipient to pay to the Province immediately a portion of the excess, in the same proportion as the Province's contribution is to the total cost of the Asset.

H.3.2 **Period for Revenue Disclosure and Payment.** The Recipient's notification and payment obligations in section H.3.1 (Revenues) for the Sub-projects included:

(a) in Sub-schedule "C.1" (Program Funding Request), will apply only to the first three complete Fiscal Years following the Expiry Date.

(b) in Sub-schedule "C.2" (Extended Program Funding Request), will apply to the first five complete Fiscal Years following the Expiry Date.

### **H.4.0 DEDUCTION FROM FINANCIAL ASSISTANCE**

H.4.1 **Deduction by Province.** The Province may deduct any amount of funds to be repaid by the Recipient under this Schedule "H" (Disposal of and Revenues from Assets) from the financial assistance payable on any other current or future project(s) of the Recipient under any other provincial program(s).

**APPENDIX F  
TO THE PUBLIC TRANSIT INFRASTRUCTURE FUND (PTIF) PHASE ONE  
(ONTARIO) TRANSFER PAYMENT AGREEMENT**

**SCHEDULE “J”  
REQUESTS FOR PAYMENT AND PAYMENT PROCEDURES**

**J.1.0 DEFINITION**

J.1.1 **Definition.** For the purposes of this Schedule “J” (Requests for Payment and Payment Procedures):

“**Final Payment**” means the final payment by the Province to the Recipient for each Sub-project as described in and to be paid in accordance with Article J.8.0 (Final Payment).

**J.2.0 PROCEDURES AND TIMING FOR REQUESTS FOR PAYMENT**

J.2.1 **Procedures.** The Recipient agrees that the procedures provided for in Article J.3.0 (Procedures for Requests for Payment for Eligible Expenditures) will apply to requests for payment the Recipient submits to the Province under the Agreement.

J.2.2 **Diligent and Timely Manner.** The Recipient agrees to submit its requests for payment to the Province in a diligent and timely manner.

**J.3.0 PROCEDURES FOR REQUESTS FOR PAYMENT FOR ELIGIBLE EXPENDITURES**

J.3.1 **Timing, Reports and Documents.** The Recipient agrees to submit each Sub-project request for payment for Eligible Expenditures to the Province semi-annually and on a date to be specified by the Province at its sole discretion, and,

subject to paragraph K.4.1 (f), after review by the Committee. The Recipient agrees to submit, for each of the circumstances listed below, the following reports and documents:

- (a) for each request for payment, including the Final Payment, a Request for Payment Form, using the form provided in Sub-schedule “J.1” (Form of Request for Payment Form), fully and accurately completed by an authorized representative of the Recipient;
- (b) for each request for payment, except for the Final Payment, a Progress Report and an Outcomes Progress Report, acceptable to the Province, for the period to which the request for payment relates;
- (c) for each request for payment, except for the Final Payment, a certification, using the form of certificate provided in Sub-schedule “J.2” (Form of Certificate from Recipient), by an authorized representative of the Recipient;
- (d) for each request for Final Payment, a Declaration of Sub-project Completion, using the form provided in Sub-schedule “J.3” (Form of Declaration of Sub-project Completion), by an authorized representative of the Recipient;
- (e) for each request for Final Payment, the Final Progress Report and last Outcomes Report, acceptable to the Province, for the period to which the request for payment relates;
- (f) for each request for Final Payment for new and expansion Sub-projects, if applicable in the opinion of the Province and in addition to the Declaration of Sub-project Completion, a certification, using the form of certificate provided in Sub-schedule “J.4” (Form of Certificate from Professional Engineer), by a professional engineer;
- (g) if the Province so requests, a copy of all documentation provided to the Recipient by the authorized representative of the Recipient or professional engineer, or both, for the certification or declaration, as applicable, in

paragraphs J.3.1 (c), (d) and (f); and

(h) such other information as the Province may request.

#### **J.4.0 PAYMENTS**

**J.4.1 Payment by the Province.** Subject to the terms and conditions of the Agreement, including the Province receiving the necessary annual appropriation from the Ontario Legislature or funds from Canada, or both, upon receipt of a request for payment fully completed in accordance with this Schedule “J” (Requests for Payment and Payment Procedures), the Province will use its reasonable efforts to make a payment to the Recipient, if due and owing under the terms of the Agreement, in a timely manner. The Province will under no circumstances be liable for interest for failure to make a payment within the time limit provided for in this Article J.4.0 (Payments).

#### **J.5.0 TIME LIMITS FOR REQUESTS FOR PAYMENTS**

**J.5.1 Timing.** The Recipient will submit:

- (a) all requests for payment prior to September 1, 2020 for the Sub-projects described in Sub-schedule “C.1” (Program Funding Requests); and
- (b) all requests for payment prior to December 31, 2021 for the Sub-projects described in Sub-schedule “C.2” (Extended Program Funding Request).

**J.5.2 No Obligation for Payment.** The Province will have no obligation to make any payment for a request for payment submitted after:

- (a) September 1, 2020 for the Sub-projects described in Sub-schedule “C.1” (Program Funding Requests); and
- (b) December 31, 2021 for Sub-projects described in Sub-schedule “C.2” (Extended Program Funding Requests).

## **J.6.0 FINAL RECONCILIATION AND ADJUSTMENTS**

J.6.1 **Final Reconciliation and Adjustments.** For each Sub-project, following delivery of the completed Declaration of Sub-project Completion, confirming achievement of Sub-project Completion, the Final Progress Report and last Outcomes Progress Report, the Parties will jointly carry out a final reconciliation of all requests for payments and payments in respect of the Sub-project and make any adjustments required in the circumstances.

## **J.7.0 HOLDBACK**

J.7.1 **Holdback.** For each Sub-project, the Province may pay to the Recipient up to 90% of its contribution under the Agreement prior to final adjustments in accordance with Article J.6.0 (Final Reconciliation and Adjustments).

## **J.8.0 FINAL PAYMENT**

J.8.1 **Final Payment.** Subject to paragraph A.4.2 (c) and up to the Maximum Funds, the Province agrees to pay to the Recipient the remainder of its contribution under the Agreement, including the Holdback, after all of the conditions under section A.4.14 (Retention of Contribution) have been met.