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TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON MARCH 29, 2016
FROM:	JOHN BRAAM, P. Eng. MANAGING DIRECTOR, ENVIRONMENTAL & ENGINEERING SERVICES & CITY ENGINEER
SUBJECT:	CONTRACT AWARD: TENDER NO. 16-02 2016 INFRASTRUCTURE RENEWAL PROGRAM SOUTH, WATERLOO AND HILL STREET RECONSTRUCTION PROJECT

RECOMMENDATION

That, on the recommendation of the Managing Director, Environmental & Engineering Services & City Engineer, the following actions **BE TAKEN** with respect to the award of contracts for the 2016 Infrastructure Renewal Program, South, Waterloo and Hill Streets Reconstruction Project:

- (a) the bid submitted by L82 Construction (L82), at its tendered price of \$4,327,420.51, excluding HST, **BE ACCEPTED**; it being noted that the bid submitted by L82, was the lowest of six bids received and meets the City's specifications and requirements in all areas;
- (b) AECOM Canada Ltd. (AECOM), **BE AUTHORIZED** to carry out the resident inspection and contract administration for the said project in accordance with the estimate, on file, at an upset amount of \$351,824.00 excluding HST, based upon the Fee Guideline for Professional Engineering Services, recommended by the Ontario Society of Professional Engineers; and in accordance with Section 15.2 (g) of the City of London's Procurement of Goods and Services Policy, noting that this firm completed the engineering design for this project;
- (c) the financing for this project **BE APPROVED** subject to the 2016 Budget approval as set out in the Sources of Financing Report attached hereto as Appendix "A";
- (d) the Civic Administration **BE AUTHORIZED** to undertake all the administrative acts that are necessary in connection with this project;
- (e) the approval given herein **BE CONDITIONAL** upon the Corporation entering into a formal contract or issuing a purchase order for the material to be supplied and the work to be done relating to this project (Tender 16-02);
- (f) the Mayor and City Clerk **BE AUTHORIZED** to execute any contract or other documents, if required, to give effect to these recommendations;
- (g) the Civic Administration **BE AUTHORIZED** to take all necessary actions to dedicate as public highway the northerly portion of the easterly half of the Waterloo Street road allowance, lying immediately south of South Street that was previously closed for public travel; and
- (h) the attached proposed by-law (Appendix "C") **BE INTRODUCED** at the Municipal Council meeting to be held on April 5, 2016 for the purpose of amending the Traffic and Parking By-law (P.S. 111).

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PREVIOUS REPORTS PERTINENT TO THIS MATTER

Appointment of Consulting Engineers, Infrastructure Lifecycle Renewal Program 2016-2017, (Contract 1), Civic Works Committee, June 2, 2015, Agenda Item # 5.

2015-19 STRATEGIC PLAN

The 2015 – 2019 Strategic Plan identifies this objective under Building a Sustainable City: 1B – Manage and improve our water, wastewater and stormwater infrastructure and services.

BACKGROUND

Purpose:

This report recommends award of a tender to a contractor and continuation of consulting services for the reconstruction of:

South Street from Colborne Street to Wellington Street,
Waterloo Street from South Street to Thames River, and
Hill Street from Waterloo Street to Wellington Street

Infrastructure replacement needs have been coordinated within the Environmental and Engineering Services Department with support from Planning and Development for efficient use of funds during construction. The project budget has been included in the approved 2016 Wastewater & Treatment, Water and Transportation Capital Works Budgets.

Discussion:

This Infrastructure Renewal project includes the following improvements:

- Elimination of combined sewers within the entire project limits;
- Installation of sanitary and new storm sewers including private drain connections as required;
- Removal of a sanitary overflow outlet to the Thames River;
- Replacement of watermain and individual water services to property line where applicable;
- Full road reconstruction, including new asphalt, curb and gutter, sidewalks, parking bays.

A Project Location map is included for reference in Appendix B. South, Waterloo and Hill Streets are located in the South of Horton Street (SoHo) Development area and have been identified as a high priority in the replacement programs due to the poor condition of the municipal infrastructure. The sewers and watermains on these streets were originally installed in 1897, and have reached the end of their life expectancy.

The work has also been designed to complement the recently constructed Nelson Street Project (2014) and Colborne and South Street Project (2015). This undertaking will provide the infrastructure servicing requirements needed to support development as per the vision outlined in the 2011 SoHo Community Improvement Plan (SoHo Plan). This project will eliminate existing combined sewers.

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A public information session was held on December 3, 2015 specifically for all owners and residents within and immediately bordering the project area to address questions and concerns.

South Street temporary one-way to two way conversion:

This project will require the temporary removal of some one-way road designations to allow access to homes and businesses in the area of the construction. Changes to the on-street parking are required to implement recommendations from the SoHo plan. The following amendments to the Traffic and Parking By-law are proposed:

The South Street reconstruction requires conversion to two-way traffic flow from Maitland Street to Colborne Street from Monday June 6, 2016 to Friday June 17, 2016, to complete top lift asphalt and deficiencies from Contract 1 – 2015 Colborne and South Street reconstruction.

The South Street reconstruction requires conversion to two-way traffic flow from Wellington Street to Colborne Street from Monday July 11, 2016 to Friday October 28, 2016 to allow access and egress from neighbouring properties. A Stop Sign location is required for westbound traffic at Wellington Street. A No Left Turn restriction is also required for westbound traffic on South Street at Wellington Street to address sightline issues. Once construction is complete, South Street will revert back to one-way traffic flow and the Stop Sign and No Left Turn restriction will be removed. The above construction completion dates are estimates and the actual dates will vary. A separate report will be submitted when the above streets can be returned to one-way operation.

Removal of on-street parking:

The redesign and reconstruction of Hill Street from Wellington Street to Colborne Street requires the 2 Hour metered on-street parking be replaced with No Parking Anytime Zones on the south side of Hill Street from Wellington Street to Waterloo Street.

The redesign and reconstruction of South Street from Wellington Street to Colborne Street requires the 2 Hour metered on-street parking be replaced with No Parking Anytime Zones on the north side of South Street from Wellington Street to Waterloo Street.

Removal of on-street parking meters:

The SoHo community plan recommended that the on-street parking meters within the study area be removed and replaced with time limited parking. It is recommended that the parking meters on the following streets be removed as part of this construction project:

- 2 Hour zones
 - west side of Colborne Street from 85 meters west of Hill Street to Nelson Street;
 - west side of Colborne street from that portion which lies west of the roadway and constitutes the drive around beside 370 South Street;
 - south side of Hill Street from Waterloo Street to 54 meters west of Colborne Street;
 - south side of South Street from Waterloo Street to 63 meters east of Waterloo Street;
 - south side of South street from that portion which lies south of the roadway and constitutes the drive around in front of 375 South Street;

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- 4 Hour zones
 - north side of Hill Street from Wellington Street to Colborne Street;
 - both sides of South Street from Colborne Street to Maitland Street.
 - south side of South Street from Wellington Street to Waterloo Street; and

Amendments to Schedule 2 (No Parking Anytime), Schedule 6 (Limited Parking), Schedule 8 (Prohibited Turns), Schedule 12 (One-way Streets), Schedule 20 (2 Hour Metered Zones), and Schedule 21 (4 Hour Metered Parking) for the above changes are included in the attached By-Law amendment.

Streetscape Improvements:

Similar to the Colborne Street Reconstruction project completed in 2015, this work includes the integration of streetscape improvements along the South Street corridor. These enhancements coincide with the SoHo and Old Vic Plans.

As a result, several Urban Design elements have been included along South Street from Colborne Street to Wellington Street. This includes the implementation of a wider pedestrian friendly streetscape, enhanced tree planting and street lighting which completes the “four corners” concept at the intersection of South Street and Colborne Street.

Service Replacement:

In conjunction with the construction of this Capital Works Project, the City is administering the Private Drain Connection (PDC) program, which allows property owners within the projects limits an opportunity to voluntarily replace their PDC's at a subsidized cost under the authority of City By-laws. As part of this project, the water service connection will be replaced to the property line at the City's cost and the property owner may elect to replace their private side connection at their own cost. Homeowners may be eligible to participate in the Lead Service Extension Replacement Loan Program.

Tender Summary:

Tenders for the 2016 Infrastructure Renewal Program, South, Waterloo and Hill Street Reconstruction Project were opened on February 17, 2016. Six (6) contractors submitted tender prices as listed below, excluding HST.

CONTRACTOR		TENDER PRICE SUBMITTED	CORRECTED TENDER PRICE
1.	L82 Construction	\$4,327,420.51	
2.	Blue-Con Construction	\$4,444,444.00	
3.	Bre-Ex Construction Ltd.	\$4,749,186.40	\$4,739,186.40
4.	Omega Contractors Inc.	\$4,766,870.28	
5.	Elgin Construction Ltd.	\$4,985,874.90	
6.	291Construction Ltd	\$5,142,174.02	

All tenders have been checked by the Environmental and Engineering Services Department and the City's consultant, AECOM. One of the submitted tenders was found to contain minor mathematical errors; however the order of the bidders remains the same.

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The tender estimate just prior to tender opening was \$4,685,000.00, excluding HST. The low tender is 8% below the estimate indicating a competitive environment and illustrates the benefit of tendering projects early in the construction season. All tenders include a contingency allowance of \$400,000.00. Additional annual sewer operating costs of \$750.00 are attributed to new infrastructure installation.

Consulting Services:

AECOM was awarded the detailed design by Council on June 10, 2015. Due to their knowledge and experience with this project, AECOM was requested to submit a proposal to carry out the contract administration and resident supervision for this project. In accordance with Section 15.2 (g) of the City of London’s Procurement of Goods and Services Policy, the Administration is recommending that AECOM be authorized to carry out the remainder of engineering services to complete this project for the provided fee estimate of \$351,824.00, excluding HST, noting the upset amount for total engineering services for the project is \$634,150.00 excluding HST, spread over 2015 – 2016.

Conclusions:

Award of the 2016 Infrastructure Renewal Program, South, Waterloo and Hill Street reconstruction project to L82 Construction Ltd. will allow the project objectives to be met within the available budget.

The use of AECOM, for the remainder of engineering services for this project is in the best financial and technical interests of the City.

Acknowledgements:

This report was prepared within the Wastewater and Drainage Engineering Division by Doug Law, Senior Technologist, Doug Bolton, Senior Technologist, Traffic Signal and Street Lighting and reviewed by Kyle Chambers, P. Eng., Environmental Service Engineer, WADE.

SUBMITTED BY:	REVIEWED & CONCURRED BY:
TOM COPELAND, P. ENG. DIVISION MANAGER WASTEWATER AND DRAINAGE ENGINEERING	JOHN LUCAS, P. ENG. DIRECTOR, WATER AND WASTEWATER
RECOMMENDED BY:	
JOHN BRAAM, P.ENG. MANAGING DIRECTOR, ENVIRONMENTAL & ENGINEERING SERVICES & CITY ENGINEER	

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March 21, 2016 /DL

Attach: Appendix "A" – Sources of Financing
Appendix "B" – Project Location Map
Appendix "C" – By-law to Amend the Traffic & Parking By-Law (P.S. 111)
Appendix "D" – By-law to Amend the Traffic & Parking By-Law (P.S. 111)
To return one-way designation to South Street from Wellington Street to Adelaide

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c.c.	Roland Welker	John Freeman	Pat Shack
	Edward Soldo	Ugo DeCandido	Shane Maguire
	Sean Galloway	City Solicitor's Office	Annette Drost
	L82 Construction	AECOM	

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Appendix B

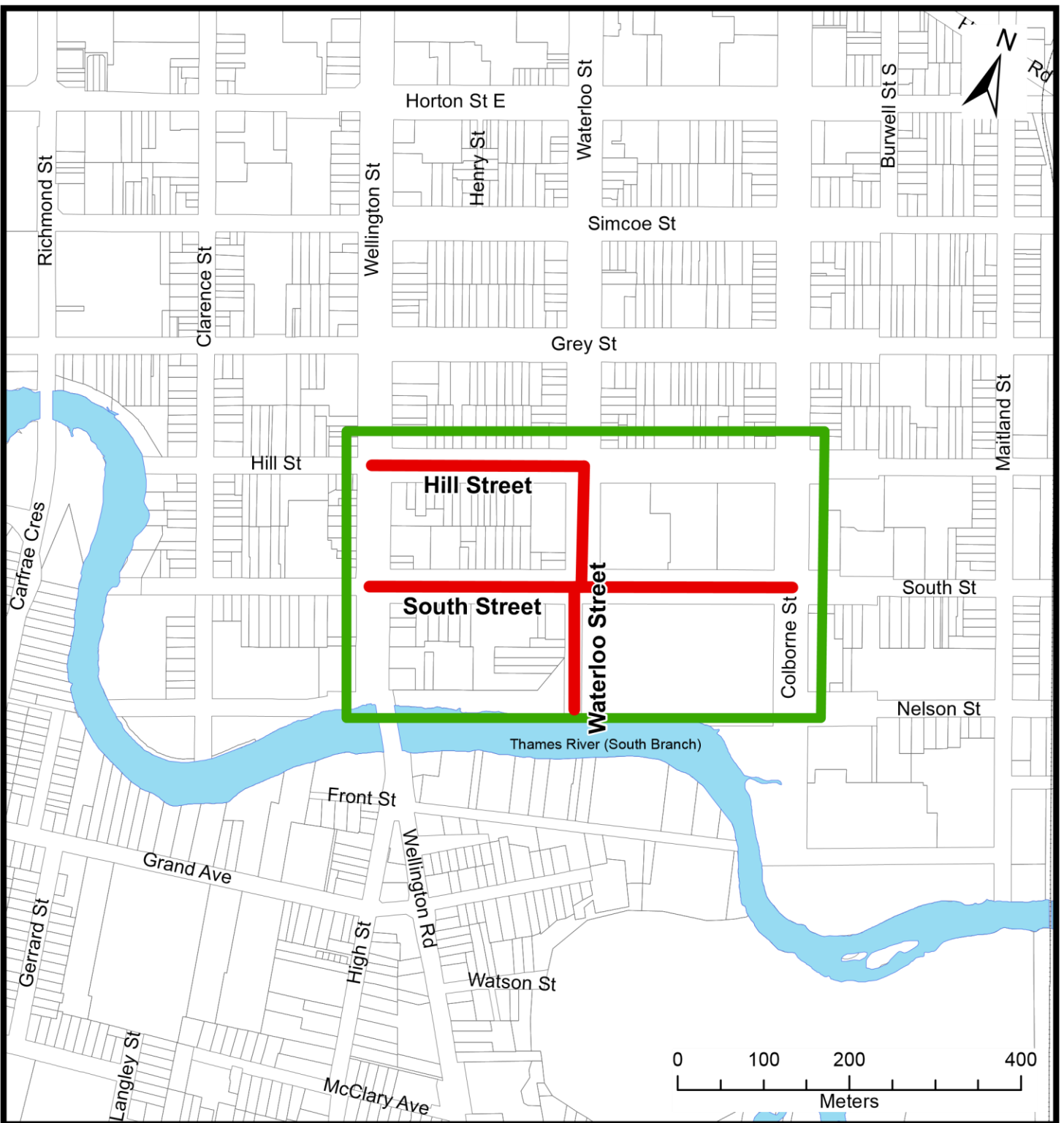
2016 Infrastructure Renewal Program

Contract 1 - Location Map

Waterloo Street (from South Street to Hill Street)

South Street (from Colborne Street to Wellington Road S)

Hill Street (from Waterloo Street to Wellington Road S)



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APPENDIX "C"
BY-LAW TO AMEND THE TRAFFIC & PARKING BY-LAW (P.S. 111)

Bill No.

By-law No. PS-111

A by-law to amend By-law PS-111 entitled, "A by-law to regulate traffic and the parking of motor vehicles in the City of London."

WHEREAS subsection 10(2) paragraph 7. Of the *Municipal Act, 2001*, S.O. 2001, c.25, as amended, provides that a municipality may pass by-laws to provide any service or thing that the municipality considers necessary or desirable to the public;

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

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

1. No Parking

Schedule 2 (No Parking) of the PS-111 By-law is hereby amended by **deleting** the following rows:

Hill Street	South	A point 40 m east of Waterloo St	A point 61 m east of the said street	Anytime
South Street	North	West end of street	A point 73 m east of Wellington St	Anytime
South Street	North	A point 86 m east of Wellington St	A point 142 m east of the said street	Anytime
South Street	North	A point 51 m west of Waterloo St	Waterloo St	Anytime

Schedule 2 (No Parking) of the PS-111 By-law is hereby amended by **adding** the following rows:

Hill Street	South	Waterloo Street	A point 61 m east of the said street	Anytime
South Street	North	West end of street	Waterloo Street	Anytime

2. Limited Parking

Schedule 6 (Limited Parking) of the PS-111 By-law is hereby amended by **adding** the following rows:

Colborne Street	West	A point 85 m west of Hill	8:00 a.m. to 6:00 p.m.	2 Hours
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Street	Direction	Street to Nelson Street	Time	Duration
Colborne Street	East	That portion which lies west of the roadway and constitutes the drive around beside 370 South Street	8:00 a.m. to 6:00 p.m.	2 Hours
Hill Street	North	Wellington Street to Colborne Street	8:00 a.m. to 6:00 p.m.	4 Hours
Hill Street	South	Waterloo Street to 54m west of Colborne Street	8:00 a.m. to 6:00 p.m.	2 Hours
South Street	North	Waterloo Street to a point 63 m easterly	8:00 a.m. to 6:00 p.m.	2 Hours
South Street	South	Wellington Street to Waterloo Street	8:00 a.m. to 6:00 p.m.	4 Hours
South Street	South	Waterloo Street to a point 63 m easterly	8:00 a.m. to 6:00 p.m.	2 Hours
South Street	Both	Colborne Street to Maitland Street	8:00 a.m. to 6:00 p.m.	4 Hours

3. Prohibited Turns

Schedule 8 (Prohibited Turns) of the PS-111 By-law is hereby amended by **adding** the following row:

South Street with Wellington Street	Westbound	Left
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4. One-Way Streets

Schedule 12 (One-way Streets) of the said By-law PS-111 is hereby amended by **deleting** the following rows:

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South Street Wellington Street Adelaide Street Eastbound

Schedule 12 (One-way Streets) of the said By-law PS-111 is hereby amended by **adding** the following row:

South Street Colborne Street Adelaide Street Eastbound

5. 2 Hour Metered Parking Zone

Schedule 20 (2 Hour Metered Parking Zone) of the PS-111 By-law is hereby amended by **deleting** the following rows:

Colborne Street	West	A point 85 m west of Hill Street	Nelson Street	8:00 a.m. to 6:00 p.m.
Colborne Street	West	That portion which lies west of the roadway and constitutes the drive around beside 370 South Street		8:00 a.m. to 6:00 p.m.
Hill Street	South	A point 85 m west of Waterloo	A point 54 m west of Colborne Street	8:00 a.m. to 6:00 p.m.
South Street	North	Waterloo Street	A point 63 m easterly	8:00 a.m. to 6:00 p.m.
South Street	South	Waterloo Street	A point 63 m easterly	8:00 a.m. to 6:00 p.m.
South Street	North	That portion which lies north of the roadway and constitutes the drive around in front of 375 South Street		8:00 a.m. to 6:00 p.m.

6. 4 Hour Metered Parking Zone

Schedule 21 (4 Hour Metered Parking Zone) of the PS-111 By-law is hereby amended by **deleting** the following rows:

Hill Street	North	Wellington Street	Colborne Street	8:00 a.m. to 6:00 p.m.
Hill Street	South	Wellington Street	A point 85 m west of	8:00 a.m. to 6:00 p.m.

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South Street	Both	Colborne Street	Waterloo Street	Maitland Street	8:00 a.m. to 6:00 p.m.
South Street	Both	Wellington Street	Waterloo Street	Waterloo Street	8:00 a.m. to 6:00 p.m.

This by-law comes into force and effect on July 11, 2016.

PASSED in Open Council on April 5, 2016

Matt Brown
Mayor

Catharine Saunders
City Clerk

First Reading – April 5, 2016
Second Reading – April 5, 2016
Third Reading – April 5, 2016

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APPENDIX "D"

BY-LAW TO AMEND THE TRAFFIC & PARKING BY-LAW (P.S. 111)

To return one-way designation to South Street from Wellington Street to Adelaide Street and No Left Turn restriction for westbound traffic on South Street at Wellington Street

Bill No.

By-law No. PS-111

A by-law to amend By-law PS-111 entitled, "A by-law to regulate traffic and the parking of motor vehicles in the City of London."

WHEREAS subsection 10(2) paragraph 7. Of the *Municipal Act, 2001*, S.O. 2001, c.25, as amended, provides that a municipality may pass by-laws to provide any service or thing that the municipality considers necessary or desirable to the public;

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

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

1. Prohibited Turns

Schedule 8 (Prohibited Turns) of the PS-111 By-law is hereby amended by **deleting** the following row:

South Street with Wellington Street	Westbound	Left
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2. One-Way Streets

Schedule 12 (One-way Streets) of the said By-law PS-111 is hereby amended by **deleting** the following rows:

South Street	Colborne Street	Adelaide Street	Eastbound
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Schedule 12 (One-way Streets) of the said By-law PS-111 is hereby amended by **adding** the following row:

South Street	Wellington Street	Adelaide Street	Eastbound
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This by-law comes into force and effect on October 29, 2016.

PASSED in Open Council on April 5, 2016

Matt Brown
Mayor

Catharine Saunders
City Clerk

First Reading – April 5, 2016
Second Reading – April 5, 2016
Third Reading – April 5, 2016