

Report to Civic Works Committee

To: Chair and Members
Civic Works Committee

From: Kelly Scherr, P.Eng., MBA, FEC
Deputy City Manager, Environment & Infrastructure

Subject: Contract Award: Tender RFT-2023-001
Southdale Road West and Colonel Talbot Road Roundabout

Date: March 21, 2023

Recommendation

That, on the recommendation of the Deputy City Manager, Environment and Infrastructure, the following actions **BE TAKEN** with respect to Southdale Road West and Colonel Talbot Roundabout Project (Tender RFT-2023-001):

- (a) The bid submitted by J-AAR Excavating Limited, at its tendered price of \$8,670,199.14 excluding HST, **BE ACCEPTED**; it being noted that the bid submitted by J-AAR Excavating Limited was the lowest of seven bids received and meets the City's specifications and requirements in all areas;
- (b) AECOM Canada Ltd., **BE AUTHORIZED** to complete the contract administration and construction inspection for this project as per the AECOM Canada Ltd. work plan, in the total amount of \$517,600.00 excluding HST;
- (c) the financing for this project **BE APPROVED** 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 approvals given, herein, **BE CONDITIONAL** upon the Corporation entering into a formal contract for the material to be supplied and the work to be done relating to this project (Tender RFT-2023-001); and
- (f) the Mayor and the City Clerk **BE AUTHORIZED** to execute any contract or other documents, if required, to give effect to these recommendations.

Linkage to the Corporate Strategic Plan

Municipal Council's 2019-2023 Strategic Plan identifies "Building a Sustainable City" and "Growing our Economy" as strategic areas of focus. The following report supports the Strategic Plan by implementing and enhancing safe and convenient mobility choices for pedestrians, cyclists, transit, and automobile users.

Analysis

1.0 Background Information

1.1 Previous Reports Related to this Matter

- June 19, 2012 - Civic Works Committee – London 2030 Transportation Master Plan
- October 2012 – Planning and Environmental Committee –The Southwest Area Secondary Plan Report
- September 7, 2016 - Civic Works Committee - London ON Bikes Cycling Master Plan
- January 10, 2017 – Civic Works Committee – Environmental Assessment Appointment of Consulting Engineer

- April 2, 2019 – Civic Works Committee – Southdale Road West and Bostwick Road Improvements Environmental Study Report
- May 6, 2019 – Strategic Priorities and Policy Committee – Approval of 2019 Development Charges By-Law and DC Background Study
- July 23, 2019 – Civic Works Committee – Southdale Road West Improvements Phase 1 Detail Design and Tendering Services – Appointment of Consulting Engineer
- October 20, 2020 – Strategic Priorities and Policy Committee – 2021 Development Charges Update Covering Report and Proposed By-law
- August 31, 2021 – Civic Works Committee – Outcome of Climate Lens Screening Applied to Major Transportation Projects
- November 2, 2021 – Civic Works Committee – Initiation of the Mobility Master Plan Development
- March 29, 2022 – Civic Works Committee – Southdale Road West and Colonel Talbot Road Roundabout Detail Design and Tendering Services – Appointment of Consulting Engineer

1.2 Purpose

This report recommends award of construction tender RFT-2023-001 for the Southdale Road West and Colonel Talbot Road roundabout project to J-AAR Excavating Limited. It also recommends that the existing engineering agreement with AECOM Canada Ltd. be extended to include contract administration and construction supervision required for this project.

1.3 Background

Southdale Road West and Colonel Talbot Road are both identified as Civic Boulevards in the London Plan and their intersection represents a vital link in the City of London's mobility network.

Recent and future developments in southwest London will increase pedestrian, cyclist, transit, and motorist movements at this intersection. This project will enhance the functionality and safety of the intersection by better accommodating the significant turning movements and bringing the intersection to current design standards. The project will follow the complete streets approach and will improve traffic capacity, active transportation connectivity and accessibility for the adjacent communities, and safety for all users.

An Environmental Assessment (EA) for the Southdale Road West corridor from Colonel Talbot Road to Pine Valley Boulevard was completed and the Environmental Study Report (ESR) was approved by Council in April 2019. The ESR identified the transportation infrastructure needs for the Southdale Road West corridor and recommended that this work be completed in phases, with the current proposed phasing:

- Phase 1 – Southdale Road West, from Bostwick Road to Pine Valley Boulevard (construction substantially completed in 2022)
- Phase 2 – Southdale Road West and Colonel Talbot Road intersection (this phase pertains to this report)
- Phase 3 – Southdale Road West, from Colonel Talbot Road to Bostwick Road

The Phase 2, Southdale Road West and Colonel Talbot Road roundabout project was originally scheduled to begin construction in 2024. In order to improve coordination with other adjacent projects it was recommended that construction timing for the roundabout project be advanced to 2023 as part of the 2023 Budget Amendments approved by Council on February 14, 2023.

The Phase 2 of the Southdale Road West improvements was recently reviewed using the Climate Emergency Screening Tool. This review supported a complete streets approach for these incomplete rural corridors that currently lack some pedestrian, cycling and transit amenities. Reconstruction to a Civic Boulevard standard is recommended as an effective approach to provide sustainable mobility choices.

A map of the Southdale Road West corridor improvements is included below.

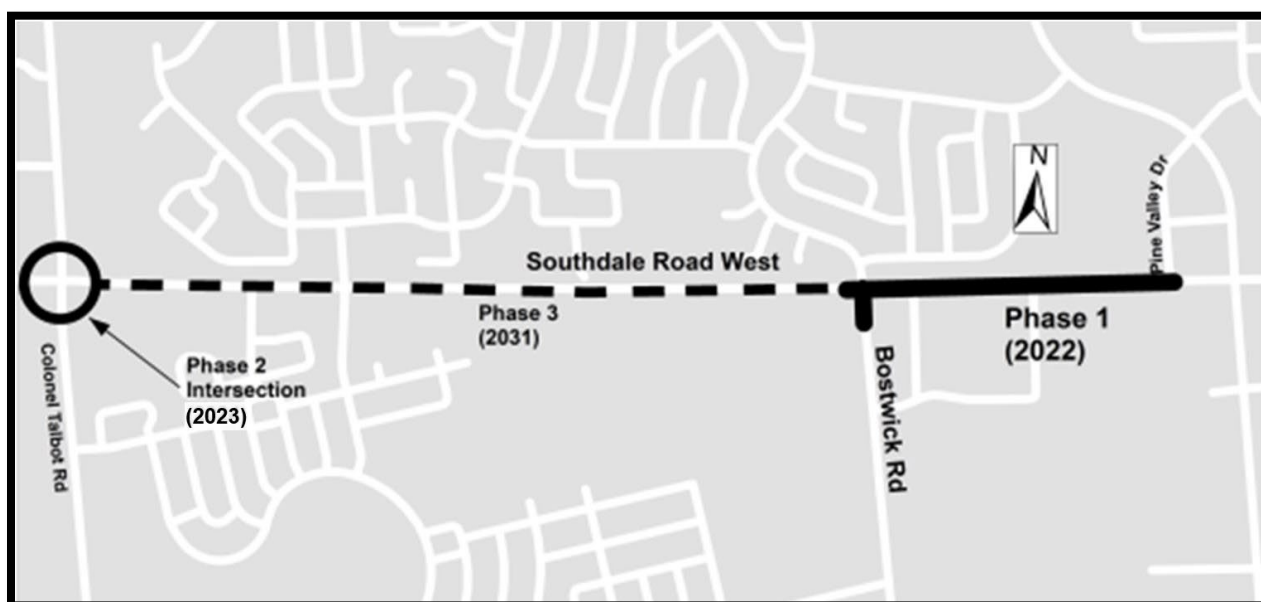


Figure 1: Phases of the Southdale Road West corridor improvements

1.4 Other Future Network Improvements in Southwest London

Other future-years planned improvements in the area to address growth include:

- Colonel Talbot Road from Southdale Road West to James Street to be upgraded to a complete street standard including new active transportation facilities.
- Bostwick Road, from Southdale Road West to Wharncliffe Road to be improved and realigned.
- Southdale Road, from Wickerson Road to Byronhills Drive to be improved to a complete street standard including new active transportation and safety improvements.
- Wickerson Road, from Southdale northerly 650m to be improved to a complete street standard including new active transportation facilities.
- The Bradley Avenue extension, from Wonderland Road to Bostwick Road is currently scheduled as a longer term initiative.
- Pack Road improvements

The City has initiated a new Mobility Master Plan which will consider the timing of these future growth projects in coordination with the Growth Management Implementation Strategy and next Development Charges Background Study.

2.0 Discussion and Considerations

2.1 Project Description

The Southdale and Colonel Talbot Road roundabout project was identified as a priority in the Smart Moves 2030 Transportation Master Plan (TMP) and the Transportation Development Charge Background Study.

Improvements to this intersection will include:

- A new two-lane roundabout with pedestrian crossovers on all four intersection legs including signage, flashing beacons and pavement markings to meet accessibility requirements,
- New sidewalks and boulevard improvements
- New in-boulevard bike paths,
- New street lighting,
- Tree planting and other landscaping,
- Improvements to meet current Accessibility for Ontarians with Disabilities Act (AODA) standards,
- Underground infrastructure work consisting of water, storm sewer, and sanitary sewer system improvements.

2.2 Advance Works

This project will require the relocation of various utilities including, London Hydro and Bell Canada. Coordination with these utility companies has been underway in support of the project to ensure that the necessary utility relocations are completed in a timely and efficient manner.

Tree removals have been completed in advance of the utility relocations and the upcoming construction activities. New trees will be planted as part of this project.

2.3 Traffic Management and Communications

A pre-construction public meeting was held on November 23, 2022 to provide an update and share information about the upcoming construction. Property owners, residents, emergency services and businesses located near the project area were invited to attend.

A detailed traffic staging plan and a pedestrian management plan have been developed and included in the construction plans. These plans will balance mobility and access during all stages of construction while allowing the project to be completed in a timely and cost-effective manner. It is anticipated that, during construction:

- Access to homes and businesses will be maintained,
- Temporary traffic signals will be in operation at the intersection,
- Traffic movements will be maintained along Southdale Road West and Colonel Talbot Road (south leg) for most of the construction.
- Colonel Talbot Road (north leg) is expected to be closed for the majority of the construction phase with a detour in place.
- A short duration, full closure of the intersection will be required and it is anticipated that this closure will be in place for two weeks. A detour will be in place during the full closure.
- Construction activities will be coordinated with London Transit Commission (LTC) and emergency services.

The traffic management plan will be communicated, monitored, and adjusted during construction based on traffic conditions.

2.4 Construction Schedule

Construction of the Southdale Road West and Colonel Talbot Road intersection is planned in 2023. The construction of the roundabout is anticipated to be mostly undertaken in one construction season (i.e. early May to December), with the placement of the final layer of asphalt and completion of any remaining minor works in the 2024 construction season.

2.5 Procurement Process

The request for tenders (RFT) was published on January 31, 2023. Tenders for RFT-2023-001 were opened on February 15, 2023. Seven contractors submitted prices as listed below (excluding HST).

Contractor	Company Name	Tender Price Submitted
1.	J-AAR Excavating Limited	\$8,670,199.14
2.	L82 Construction Ltd.	\$8,678,359.20
3.	Birnam Excavating Ltd.	\$9,004,719.25
4.	Bre-Ex Construction Inc	\$9,089,902.17
5.	CH Excavating (2013)	\$9,659,812.36
6.	PV-EX Construction Ltd.	\$9,687,405.00
7.	291 Construction Ltd.	\$10,067,540.60

All tenders have been checked by the City's consultant, AECOM Canada Ltd., and the Environment & Infrastructure Service Area. No mathematical errors were found, and the bids were determined to be compliant. The submitted low bid by J-AAR Excavating Limited is 4% below the tender estimate that was prepared prior to the tender opening. The tender results indicate competitive pricing from the construction industry and represent good value for a project of this size, scope, and complexity recognizing current market and supply chain conditions. All tenders include a contingency allowance of \$825,000.

The tender amount can be funded from the City's Transportation Planning & Design, Stormwater Engineering, and Water Engineering capital project budgets.

2.6 Consulting Services

AECOM Canada Ltd. was awarded the detailed design of the Southdale Road West and Colonel Talbot roundabout project by Council in March 2022, after previously completing the associated Environmental Assessment (EA) Study. With the consultant's knowledge and performance during the EA and detailed design phases of the project, the consultant was invited to submit a proposal to carry out the contract administration and construction inspection. Staff have reviewed the fee submission, including the time allocated to each project task, along with hourly rates provided by each of the consultant's staff members. The review of assigned personnel and hourly rates for

various activities are in alignment with the original competitive procurement process and other city infrastructure assignments.

The continued use of AECOM Canada Ltd. on this project for the construction administration phase is of financial advantage to the City because the firm has specific knowledge of the project and has undertaken work for which duplication would be required if another firm were to be selected. The City’s requirement for the creation of record drawings following construction requires the reviewing professional engineer to seal the drawings based on field verification and ongoing involvement. This requirement promotes consultant accountability for the design.

In accordance with Section 15.2(g) of the Procurement of Goods and Services Policy, Civic Administration is recommending that AECOM Canada Ltd. be authorized to carry out the remainder of engineering services, as contract administrators, and complete the project for a fee estimate of \$517,600.00 excluding HST.

3.0 Financial Impact/Considerations

3.1 Operating Cost

Anticipated annual operating costs associated with additional infrastructure is summarized below:

Service Area	Rationale	Increase in Annual Operating Cost
Roadway Operations	Additional maintenance required for the roadway, bike paths, sidewalks, and additional pavement markings.	\$27,386
Traffic Engineering	Additional costs for streetlights, pavement markings at intersections and electrical equipment	\$7,492
Parks Operations	Additional landscaping, cutting grass	\$39,000
Forestry Operations	Additional tree maintenance	\$430
Sewer Operations	Operating cost for new storm sewer and sanitary sewer improvements	\$1,100
Water Operations	Watermain chamber maintenance	\$225
Solid Waste Operations	Collection and disposal of new garbage receptacles	\$3,300

The property tax supported operational budget impacts will be addressed as part of the annual assessment growth case process where appropriate, while the additional Water and Wastewater costs will be addressed in future budget processes.

Conclusion

Civic Administration has reviewed the tender bids and recommends that the construction contract for the Southdale Road West and Colonel Talbot Road roundabout project be awarded to J-AAR Excavating Limited in the amount of \$8,670,199.14 (excluding HST), in accordance with Section 8.5(a)ii of the City of London’s Procurement of Goods and Services Policy.

It is recommended that AECOM Canada Ltd. be awarded to carry out the contract administration and construction inspection services of the Southdale Road West and

Appendix "A"

#23052

March 21, 2023
(Award Contract)

Chair and Members
Civic Works Committee

RE: RFT-2023-001 Southdale Road West and Colonel Talbot Road Roundabout
(Subledger RD220003)

Capital Project ES514819 - Wastewater Strategic Links
Capital Project EW376523 - Infrastructure Renewal Program - Watermains
Capital Project TS126417 - Rural Intersections
Capital Project TS126419 - Rural Intersection
Capital Project TS1336 Intersection - Southdale - Colonel Talbot (Roundabout)

J-AAR Excavating Limited - \$8,670,199.14 (excluding HST)
AECOM Canada Ltd. - \$517,600.00 (excluding HST)

Finance Supports Report on the Sources of Financing:

Finance Supports confirms that the cost of this project can be accommodated within the financing available for it in the Capital Budget and that, subject to the approval of the recommendation of the Deputy City Manager, Environment and Infrastructure, the detailed source of financing is:

Estimated Expenditures	Approved Budget	Committed To Date	This Submission	Balance for Future Work
ES514819 - Wastewater Strategic Links				
Engineering	529,458	496,467	32,991	0
Construction	7,355,176	4,222,153	552,620	2,580,403
Construction (LTC, Casino, Start.ca)	163,594	163,594	0	0
ES514819 Total	8,048,228	4,882,214	585,611	2,580,403
EW376523 - Infrastructure Renewal Program - Watermains				
Engineering	2,500,000	239,829	5,825	2,254,346
Construction	15,787,375	2,699,444	97,567	12,990,364
ES376523 Total	18,287,375	2,939,273	103,392	15,244,710
TS126417 - Rural Intersection				
Engineering	3,994	3,994	0	0
Construction	504,476	167,217	337,259	0
TS126417 Total	508,470	171,211	337,259	0
TS126419 - Rural Intersections				
Engineering	27,092	0	0	27,092
Construction	801,698	418,012	163,607	220,079
TS126419 Total	828,790	418,012	163,607	247,171
TS1336 - Intersection - Southdale - Colonel Talbot (Roundabout)				
Engineering	1,447,186	498,361	487,894	460,931
Construction	9,487,169	144,120	7,671,741	1,671,308
TS1336 Total	10,934,355	642,481	8,159,635	2,132,239
Total Expenditures	\$38,607,218	\$9,053,191	\$9,349,504	\$20,204,523

Sources of Financing

ES514819 - Wastewater Strategic Links				
Drawdown from Sewage Works Renewal Reserve Fund	788,464	471,862	58,561	258,041
Drawdown from City Services - Wastewater Reserve Fund (Development Charges) (Note 1)	7,096,170	4,246,758	527,050	2,322,362
Other Contributions (LTC, Casino, Start.ca)	163,594	163,594	0	0
ES514819 Total	8,048,228	4,882,214	585,611	2,580,403

Appendix "A"

#23052

March 21, 2023
(Award Contract)

Chair and Members
Civic Works Committee

RE: RFT-2023-001 Southdale Road West and Colonel Talbot Road Roundabout
(Subledger RD220003)
Capital Project ES514819 - Wastewater Strategic Links
Capital Project EW376523 - Infrastructure Renewal Program - Watermains
Capital Project TS126417 - Rural Intersections
Capital Project TS126419 - Rural Intersection
Capital Project TS1336 Intersection - Southdale - Colonel Talbot (Roundabout)
J-AAR Excavating Limited - \$8,670,199.14 (excluding HST)
AECOM Canada Ltd. - \$517,600.00 (excluding HST)

Sources of Financing continued	Approved Budget	Committed To Date	This Submission	Balance for Future Work
EW376523 - Infrastructure Renewal Program - Watermains				
Capital Water Rates	12,193,444	2,939,273	103,392	9,150,779
Drawdown from Water Works Renewal Reserve Fund	4,668,931	0	0	4,668,931
Canada Community-Building Fund	1,425,000	0	0	1,425,000
ES376523 Total	18,287,375	2,939,273	103,392	15,244,710
TS126417 - Rural Intersection				
Drawdown from City Services - Roads Reserve Fund (Development Charges) (Note 1)	508,470	171,211	337,259	0
TS126419 - Rural Intersections				
Drawdown from City Services - Roads Reserve Fund (Development Charges) (Note 1)	828,790	418,012	163,607	247,171
TS1336 - Intersection - Southdale - Colonel Talbot (Roundabout)				
Debenture By-law No. W.-5684-134 (Note 2)	1,366,793	80,310	1,019,953	266,530
Drawdown from City Services Roads Reserve Fund (Development Charges) (Note 1)	434,850	434,850	0	0
Debenture By-law No. W.-5684-134 (Serviced through City Services - Roads Reserve Fund (Development Charges)) (Note 1 and 2)	9,132,712	127,321	7,139,682	1,865,709
TS1336 Total	10,934,355	642,481	8,159,635	2,132,239
Total Financing	\$38,607,218	\$9,053,191	\$9,349,504	\$20,204,523
Financial Note: Engineering				
Contract Price	ES514819	EW376523	TS1336	Total
	\$32,420	\$5,724	\$479,456	\$517,600
Add: HST @13%	4,215	744	62,329	\$67,288
Total Contract Price Including Taxes	36,635	6,468	541,785	584,888
Less: HST Rebate	-3,644	-643	-53,891	-\$58,178
Net Contract Price	\$32,991	\$5,825	\$487,894	\$526,710
Financial Note: Construction				
Contract Price	ES514819	EW376523	TS126417	TS126419
	\$543,062	\$95,880	\$331,426	\$160,777
Add: HST @13%	70,598	12,464	43,085	20,901
Total Contract Price Including Taxes	613,660	108,344	374,511	181,678
Less: HST Rebate	-61,040	-10,777	-37,252	-18,071
Net Contract Price	\$552,620	\$97,567	\$337,259	\$163,607
Financial Note: Construction continued				
Contract Price	TS1336	Total		
	\$7,539,054	\$8,670,199		
Add: HST @13%	980,077	1,127,125		
Total Contract Price Including Taxes	8,519,131	9,797,324		
Less: HST Rebate	-847,390	-974,530		
Net Contract Price	\$7,671,741	\$8,822,794		
Total Engineering and Construction	\$9,349,504			

Note 1: Development Charges have been utilized in accordance with the underlying legislation and the approved 2019 Development Charges Background Study and the 2021 Development Charges Background Study Update.

Note 2: Note to City Clerk: The City Clerk be authorized to increase Debenture By-law No. W.5684-134 by \$10,437,384.00 from \$62,121.00 to \$10,499,505.00.

Note 3: There will be additional annual operating costs of \$27,386 for Roadway Operations, \$7,492 for Traffic Engineering, \$39,000 for Parks Operations, \$430 for Forestry Operations, \$1,100 for Sewer Operations, \$225 for Water Operations and \$3,300 for Solid Waste Operations.