

--	--

TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON MAY 29th, 2012
FROM:	JOHN BRAAM, P. Eng. ACTING EXECUTIVE DIRECTOR, PLANNING, ENVIRONMENTAL & ENGINEERING SERVICES & CITY ENGINEER
SUBJECT:	APPOINTMENT OF CONSULTING ENGINEERS INFRASTRUCTURE LIFECYCLE RENEWAL PROGRAM 2013 - 2014

RECOMMENDATION

That, on the recommendation of the Acting Executive Director, Planning, Environmental and Engineering Services & City Engineer, the following actions **BE TAKEN** with respect to the appointment of Consulting Engineers for the 2013-2014 Infrastructure Lifecycle Renewal Program (ES2414-11, ES2464-11, EW3765-12, EW3787-12, TS1445, TS3014-12, TS1739-11, TS4067-12):

- (a) The following Consulting Engineering firms **BE APPOINTED** Consulting Engineers for the pre-design and design of the said projects, in the amounts identified below, in accordance with the estimate on file, based upon the Fee Guideline for Professional Engineering Services, recommended by the Ontario Society of Professional Engineers; and in accordance with Section 15.2 of the City of London's Procurement of Goods and Services Policy; it being noted that these consultants shall obtain approval to proceed with subsequent phases of engineering for award of balance of a project subject to satisfying all financial, reporting and other conditions contained within this Policy.
- (i) Contract 1: Stantec Consulting Ltd, 800-171 Queens Avenue, London, ON, N6A 5J7; in the amount of \$153,972.50, exclusive of HST.
 - (ii) Contract 2: Spriet Associates, 155 York Street, London ON, N6A 1A8; in the amount of \$133,182.50, exclusive of HST.
 - (iii) Contract 3: R.V. Anderson Associates Limited, 557 Southdale Road East Suite 200; in the amount of \$ 137,280.00, exclusive of HST.
 - (iv) Contract 4: Archibald, Gray & McKay Engineering Limited, 3514 White Oak Road, London ON, N6E 2Z9; in the amount of \$ 84,766.00, exclusive of HST.
 - (v) Contract 5: IBI Group 350 Oxford Street West, Suite 203, London, ON, N6H 1T3; in the amount of \$161,410.70, exclusive of HST.
 - (vi) Contract 6: Development Engineering Ltd., 41 Adelaide Street North, Unit 71, London ON, N6B 3P4; in the amount of \$119,735.00 exclusive of HST.
 - (vii) Contract 9: Dillon Consulting Ltd., 130 Dufferin Avenue, Suite 1400, London, ON, N6A 5R2; in the amount of \$241,835.00 exclusive of HST.
 - (viii) Contract 10: Delcan Corporation, 1069 Wellington Road South, Suite 214, London ON, N6E 2H6; in the amount of \$210,281.50, exclusive of HST.
 - (ix) Contract A: Dillon Consulting Ltd., 130 Dufferin Avenue, Suite 1400, London, ON, N6A 5R2; in the amount of \$197,774.50 exclusive of HST.
 - (x) Contract B: Archibald, Gray & McKay Engineering Limited, 3514 White Oak Road, London ON, N6E 2Z9; in the amount of \$261,222.50, exclusive of HST.
 - (xi) Contract C: AECOM Canada Ltd., 285 King Street, Suite 300, London ON, N6B 3M6; in the amount of \$240,350.00 exclusive of HST.
- (b) the financing for design of the projects identified in (a), above, **BE APPROVED** in accordance with the "Sources of Financing Report" attached hereto as Appendix "A";
- (c) the Civic Administration **BE AUTHORIZED** to undertake all the administrative acts that are necessary in connection with this project;
- (d) the approvals given herein **BE CONDITIONAL** upon the Corporation entering into a formal contract with each Consultant for the respective project; and

--	--

- (e) the Mayor and City Clerk **BE AUTHORIZED** to execute any contract or other documents, if required, to give effect to these recommendations.

It **BEING NOTED** we anticipate additional annual operating costs to the Planning, Environmental and Engineering Services (PEES) budget in 2014 and subsequent years associated with approval of these contracts, noting the amounts are not determined at this time and not associated with engineering assignments but will be included later in the construction phase of these projects and will be presented at the time of contract award, if required.

BACKGROUND

Purpose:

The Infrastructure Lifecycle Renewal (ILR) Program is an annual program intended to maintain the life of our infrastructure at an acceptable performance level. Typically, about ten Capital Works Projects are awarded to consultants every year to work with the City to help deliver the program. This report recommends for your approval the consultants to be appointed for the coming year's ILR program.

Discussion:

This report recommends the appointment of Engineering Consultants for 11 engineering assignments identified in Appendix "B". The projects are scheduled for construction in the 2013 and 2014 construction seasons. Funds have been budgeted in the Transportation, Water and Sewer Capital Budgets to support the engineering design work for these projects as identified in the "Sources of Financing Report", Appendix "A". Engineering services during construction and the actual construction approval requests will come later, following design and tender of each project.

The projects include watermain and sewer replacement/repairs, as well as restoration of areas disturbed by the construction activity. The scope of each project varies in length and infrastructure components which require rehabilitation or replacement. In some cases, full road reconstruction will be part of the overall project. Location maps are provided in Appendix "C".

For the past several years, the design groups within each service area have been working closely together to coordinate infrastructure repair, rehabilitation and replacement. City staff from each service area prepare a list of their highest priority projects depending on condition assessment, capacity, criticality of the infrastructure link and the safety and social impacts should the link fail. These staff meet regularly throughout the year to coordinate their respective work with the goal to build projects where more than one infrastructure element can be renewed, thereby significantly reducing social disruption and saving on construction costs. Six separate Divisions within PEES take part in this effort: Water Engineering, Wastewater and Drainage Engineering, Transportation Planning and Design, Transportation Parking and Traffic Signals, Construction Administration, and Geomatics (Surveys and Graphical Information System maintenance). The long term integrity of the City's infrastructure rests on the work done by these core service groups, noting these projects are also coordinated with other City service areas such as but not limited to; Risk Management, Parks Planning and Design, Planning and Development (Forestry, Heritage etc), Technology Services (Fibre Optics), Transportation Sewer and Water Operations, Solid Waste Management and Pollution Control Operations. In addition, all projects are communicated with external utility groups (Bell, Union Gas, Hydro etc.) well in advance of construction to ensure partnerships are established, budgets are in place, and effective coordination of work takes place early in design and on to construction.

Agenda Item #	Page #

There has been a clear initiative to undertake this coordination work earlier each budget cycle to develop a more efficient process and have projects on the shelf and ready to go to tender early in the season to realize the most competitive construction pricing.

Further improvements to the process include, early survey of streets to reduce design lag time, program “block funding” to establish a consistent budget base so that advance planning and coordination can be done well ahead of the annual budget approval stage; and greater efficiency of City staff and Consultant time so that efforts can be focussed on quality and value delivery.

In the past, six to ten projects awarded to consultants annually (representing approximately 20 to 25% of the annual consulting assignments) were undertaken as individual proposals, occupying considerable time of City staff and our Consultants. This is the seventh year where most ILR Projects have been grouped together in one request for qualifications. This saves significant administrative time for both the City and the consultants involved and respects both the formal City consultant selection process and the various initiatives which the industry is pursuing. Of significant note is that we are now operating as a team with the consultant with respect to developing the detailed work plan to be followed. It is now widely recognized that London is a leader in the manner in which it selects professional engineering consultants for the long term benefit of the City’s ratepayers and taxpayers.

Consolidation of 11 assignments into one report significantly reduces the number of individual reports going to Council for award. This is a considerable benefit to Councillors as it respects their time and streamlines what was formally a drawn-out process. Award of the majority of consultant assignments on one date then allows City staff to maintain an orderly schedule where design deliverables are generally submitted on similar timelines for all consultants throughout the year. This ultimately allows for early, strategic and well coordinated tender calls once construction budgets are later approved.

Conclusions:

The recommendation of this report is to appoint the Consultants to undertake the pre-design and detailed design for the eleven projects from the 2013-2014 ILR Program identified in Appendix “B”, it being noted that these consultants shall obtain the approval to proceed with subsequent phases of engineering for award of the balance of a project subject to satisfying all financial, reporting and other conditions contained within this Policy.

The selection process has saved significant administrative time for both the City and the consultant community and fosters a collaborative working relationship that focuses on achieving the lowest life cycle cost or highest service performance of our infrastructure to the benefit of our water and sewer rate payers and taxpayers in the long term. All the firms selected have shown their competency and expertise with replacement projects of this type and have provided good performance in the past on City projects.

Administration anticipates additional annual operating costs to the PEES budget in 2014 and subsequent years associated with approval of these contracts, noting the amounts are not determined at this time and not associated with engineering assignments but will be included later in the construction phase of these projects and will be presented at the time of contract award, if required.

--	--

Acknowledgements:

This report was prepared by Ugo DeCandido, P.Eng. Wastewater and Drainage Engineering Division.

SUBMITTED BY:	SUBMITTED BY:
TOM COPELAND, P. ENG. DIVISION MANAGER WASTEWATER & DRAINAGE ENGINEERING	ROLAND WELKER, P.ENG. MANAGER, WATER ENGINEERING
RECOMMENDED BY:	
JOHN BRAAM, P.ENG. ACTING EXECUTIVE DIRECTOR, PLANNING, ENVIRONMENTAL & ENGINEERING SERVICES & CITY ENGINEER	

May 10, 2012

UD/rw

- Attach: Appendix "A" – Sources of Financing
 Appendix "B" - Project Information list, Consultants & Construction Estimates
 Appendix "C" – Project Locations Maps

Y:\Shared\Wastew\WPDOCS\RPRT_ETC\Sewer Replacement - Consulting awards\QBS awards\May 10 2012 - 2013 Infrastructure Renewal Consultant grouped selection rw.doc

- c.c. Consulting Firms as noted in Recommendation
 Justin Lawrence
 John Lucas
 Janice Verhaeghe

--	--

Appendix "B"

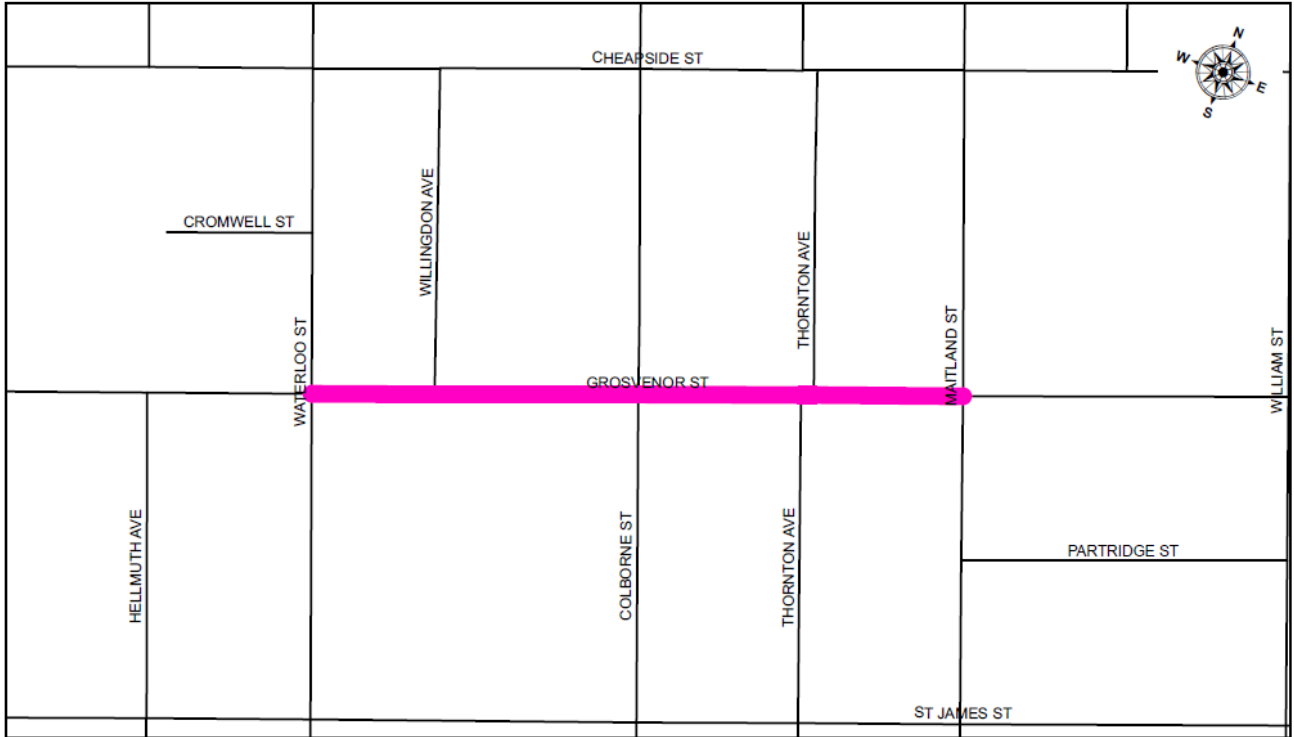
Project Information List, Consultants & Construction Estimates

2013-14 INFRASTRUCTURE LIFECYCLE RENEWAL PROJECT LIST - CONSULTANT ASSIGNMENTS								
<small>(as of May 8, 2012)</small>								
CONTRACT	STREET	FROM	TO	LEAD DIVISION City Project Manger (PM) and support staff	CONSULTANT	LENGTH (~ m)	CONCEPTUAL ESTIMATE	DIVISIONS FUNDING
1 2013	GROSVENOR	WATERLOO	MAITLAND	WATER Lead: George Negas ES: Steve Mansell / TS: Mark Ridley	STANTEC	500	\$ 1,490,000	WADE/Water
2 2013	WATERLOO	VICTORIA	HURON	WATER Lead: Bob Moore ES: Jeff Conrad	SPRIET	400	\$ 1,380,000	WADE/Water
3 2013	DREANY KING EDWARD	NELSON VERONICA (outlet)	HAMILTON THOMPSON	WADE Lead: Jeff Conrad EW: Bob Moore	RVA	420 320	\$ 1,720,000	WADE/Water
4 2013	EDWARD	BRUCE	BRISCOE	WADE Lead: Doug Harron EW: Dave Chromczak	AGM	630	\$ 2,700,000	WADE/Water
5 2013	PAUL EDINBURGH	LORRAINE WOODWARD	COOPER PAUL	WADE Lead: Doug Law EW: Jake Blancher	IBI GROUP	460	\$ 1,250,000	WADE/Water
6 2013	CLEMENS LANDOR	OXFORD CLEMENS	CHEAPSIDE WETHERED	WATER Lead: Shaun Chen ES: Doug Law	DEV ENG	690 120	\$ 1,770,000	WADE/Water Transportation
9 2013	BURBROOK PL	ELIAS	DUNDAS	WADE Lead: Kyle Chambers EW: George Negas	DILLON	540	\$ 1,660,000	WADE/Water
10 2013	COMMISSIONERS	GRANDVIEW	BOLER	WATER Lead: Jake Blancher TS: Jane Fullick / Phil D'Agostino	DELCAN	1000	\$ 2,100,000	Water/ Transportation
2014 Construction: 2012-2013 Design Engineering								
A 2014	WESTON FAIRVIEW FAIRVIEW CRT	TREVITHEN WESTON FAIRVIEW	FAIRVIEW WHETTER THOMPSON	WATER Lead: Dave Chromczak ES: Brad Weber	DILLON	190 560 190	\$ 3,100,000	WADE/Water
B 2014	TRAFALGAR	ASH	HIGHBURY	WADE Lead: Steve Mansell EW: George Negas / TS: Phil D'Agostino	AGM	800	\$ 3,100,000	WADE/Water
C 2014	NELSON MAITLAND	COLBORNE NELSON	ADELAIDE PHILIP	WADE Lead: Doug Law EW: Bob Moore	AECOM	650 90	\$ 2,210,000	WADE/Water

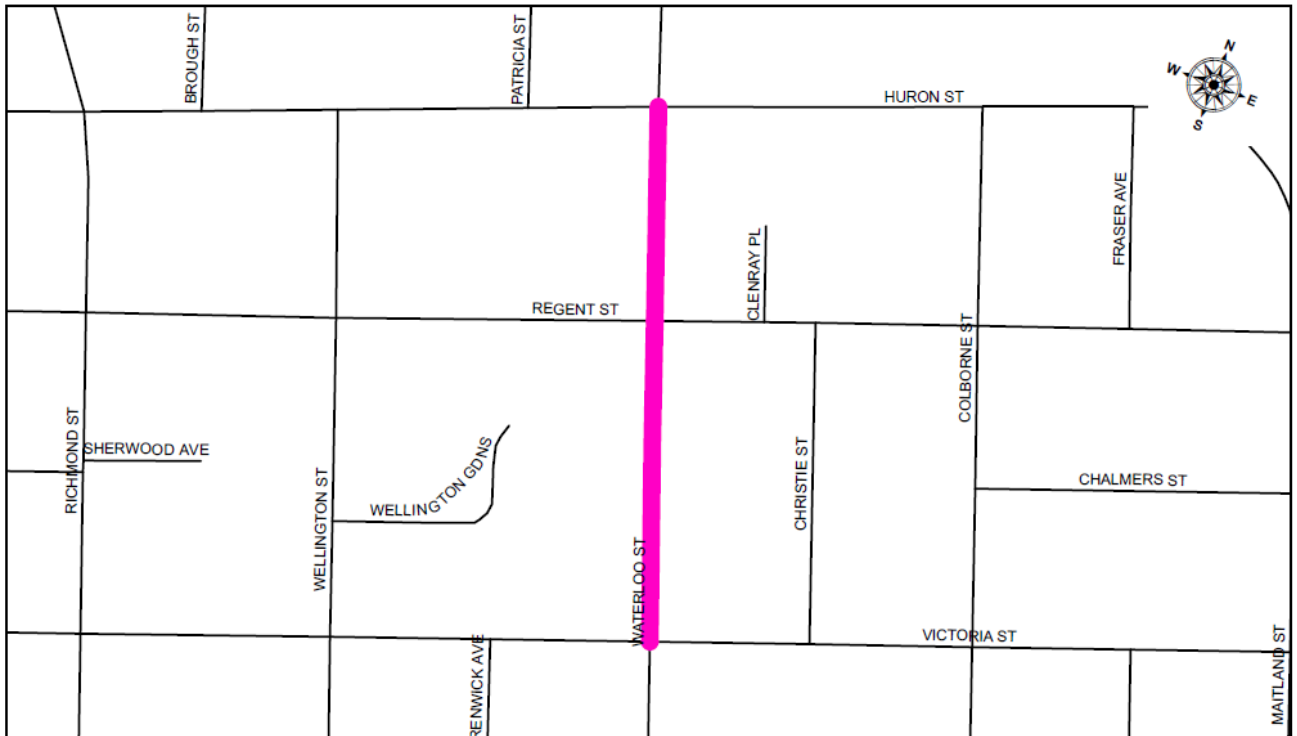
--	--

APPENDIX 'C' - LOCATION MAPS

CONTRACT #1



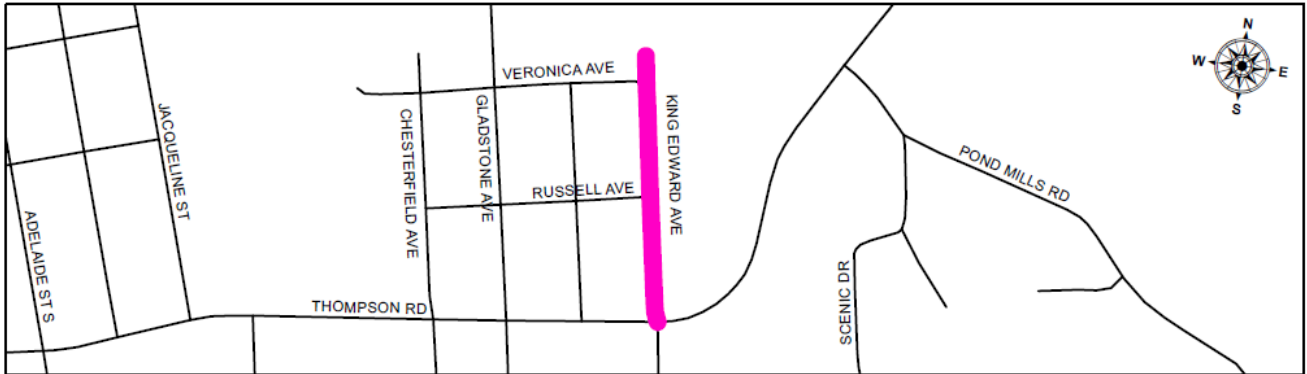
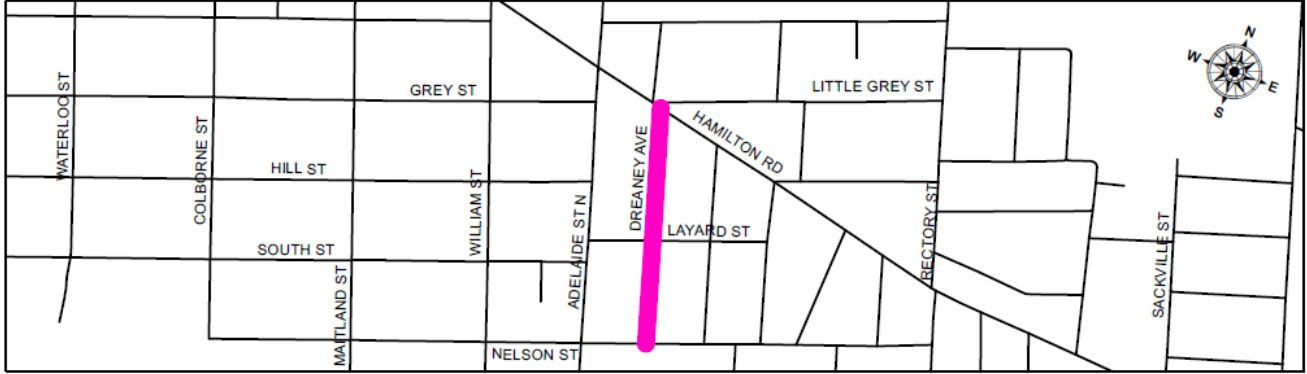
CONTRACT #2



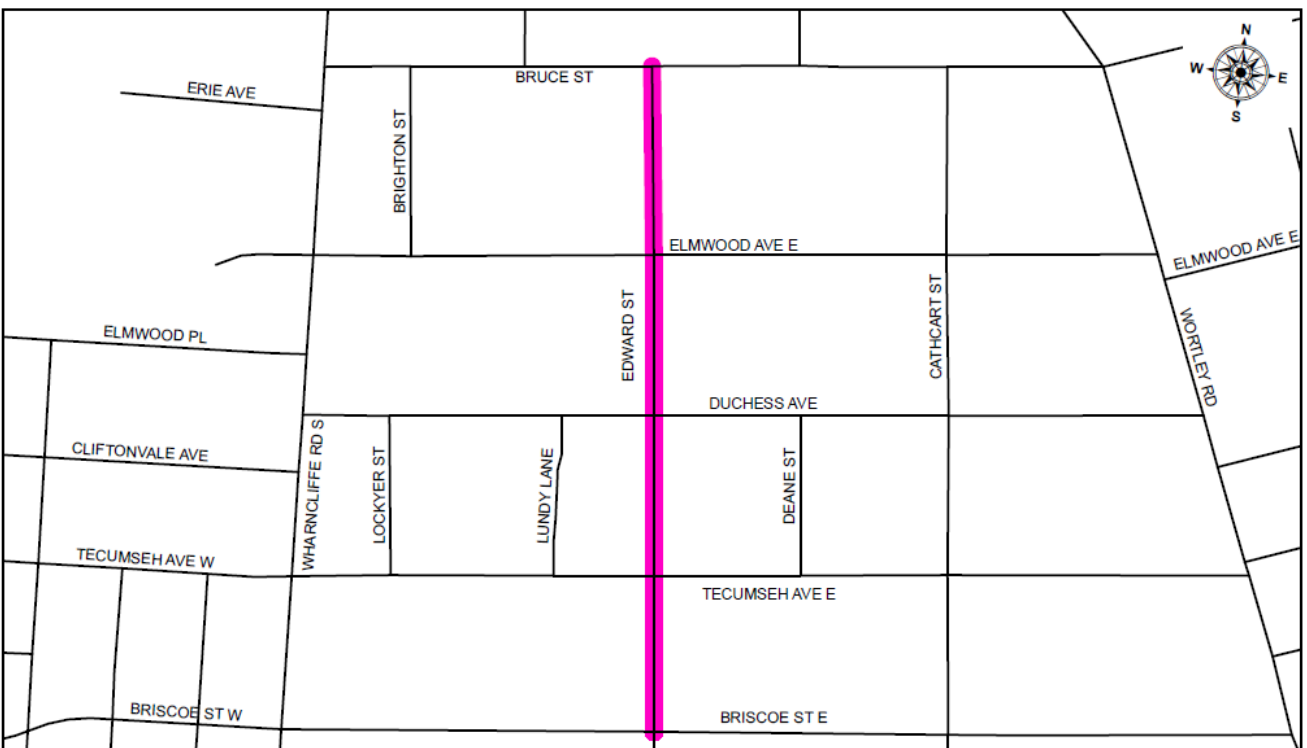
--	--

APPENDIX 'C' - LOCATION MAPS

CONTRACT #3



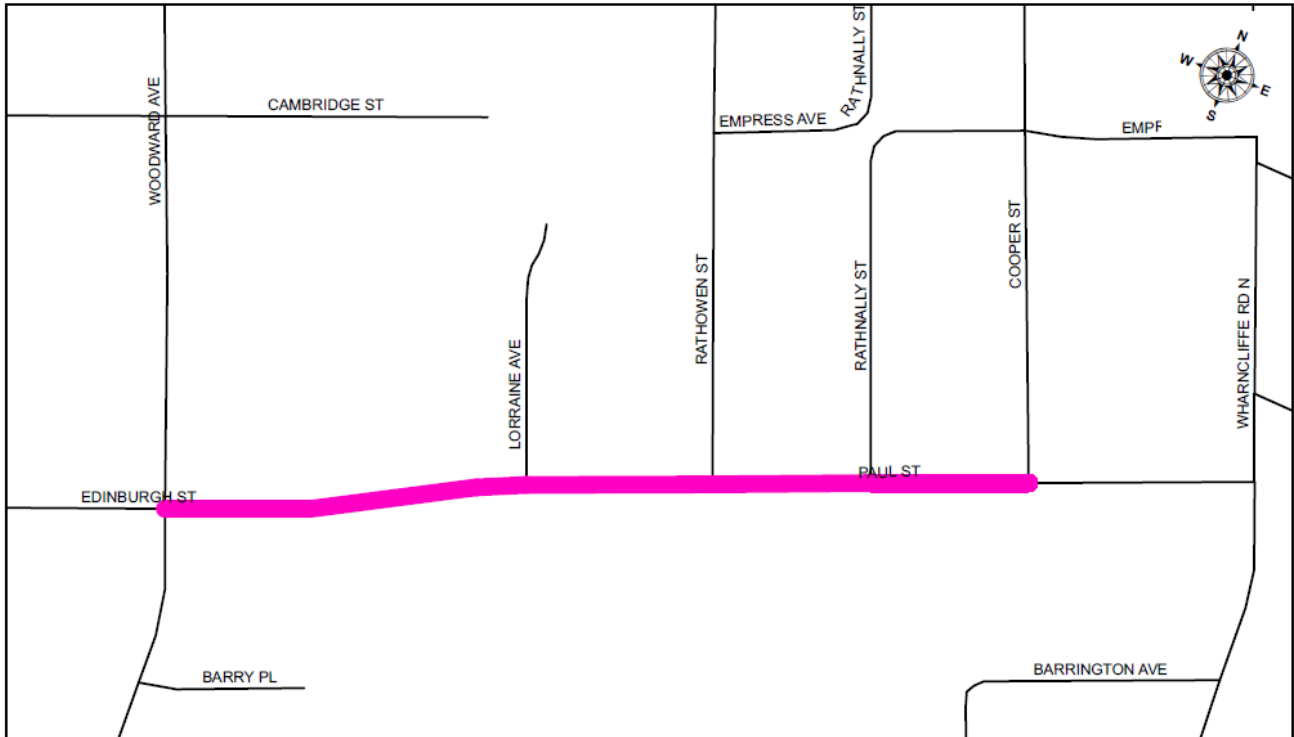
CONTRACT #4



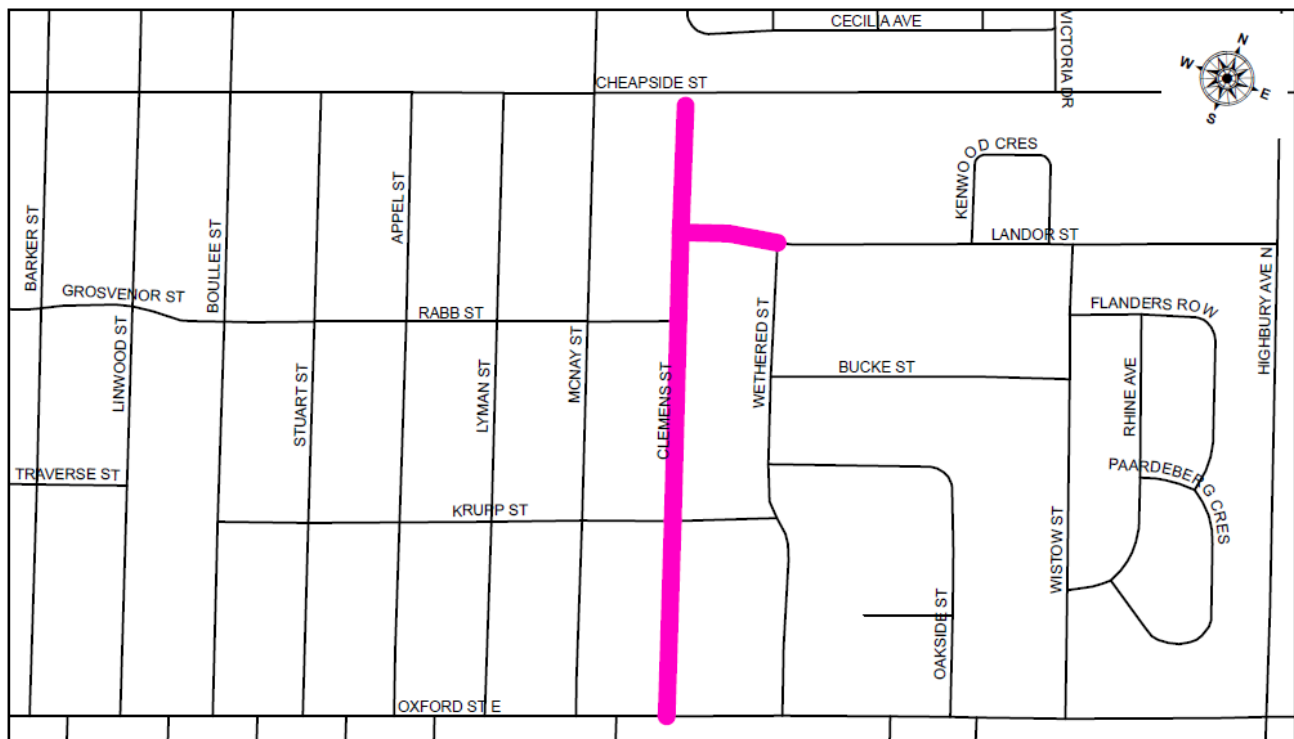
--	--

APPENDIX 'C' - LOCATION MAPS

CONTRACT #5



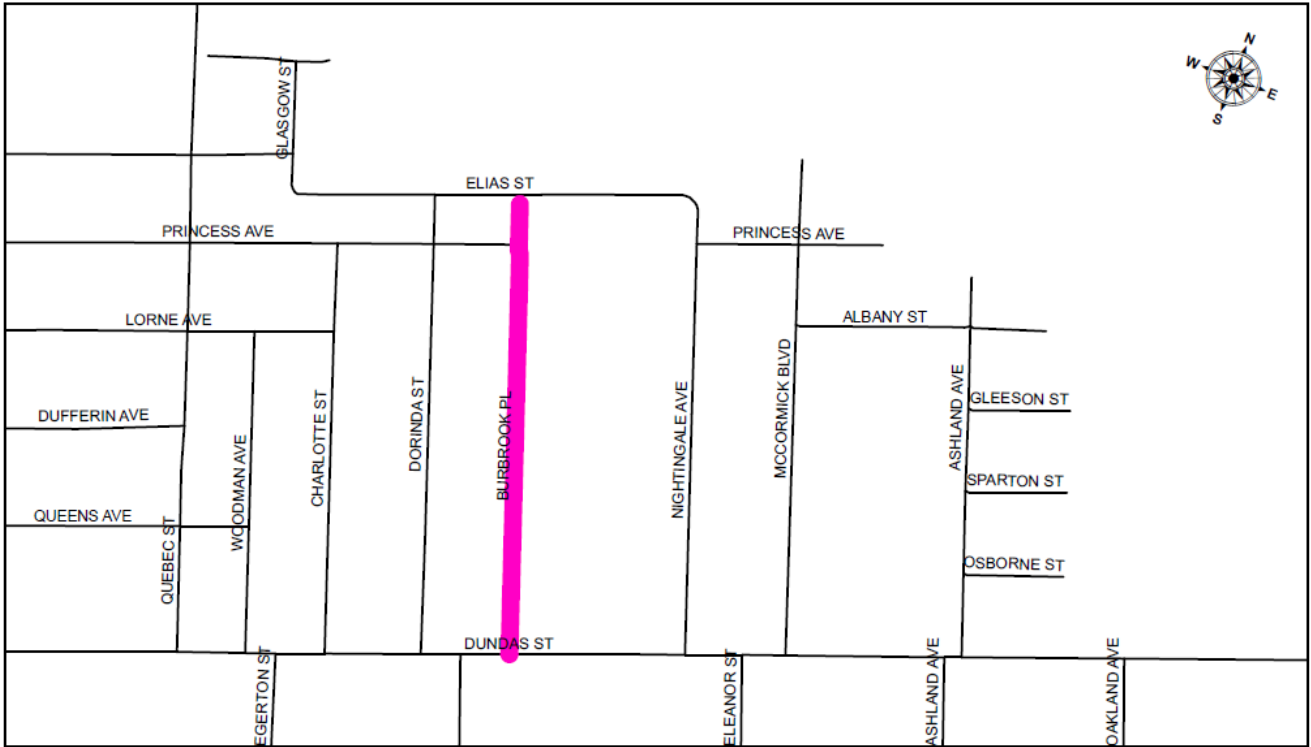
CONTRACT #6



--	--

APPENDIX 'C' - LOCATION MAPS

CONTRACT #9



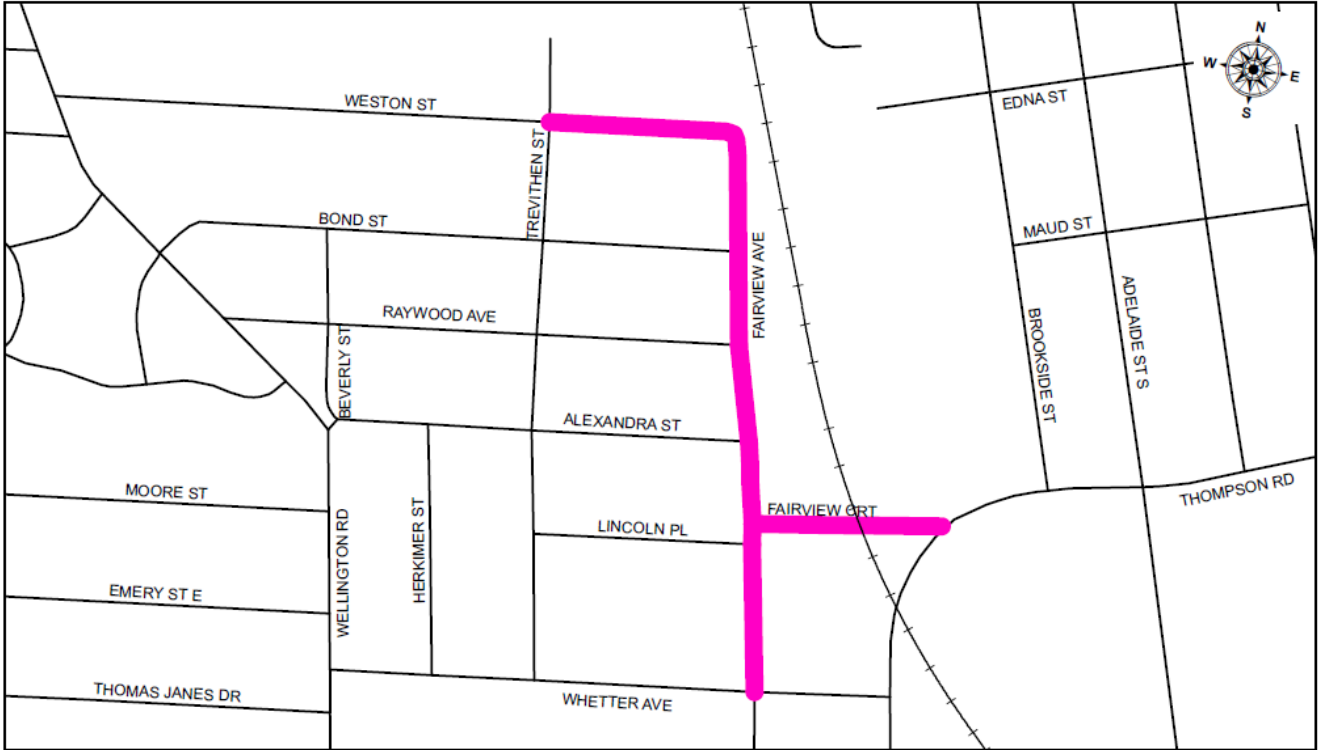
CONTRACT #10



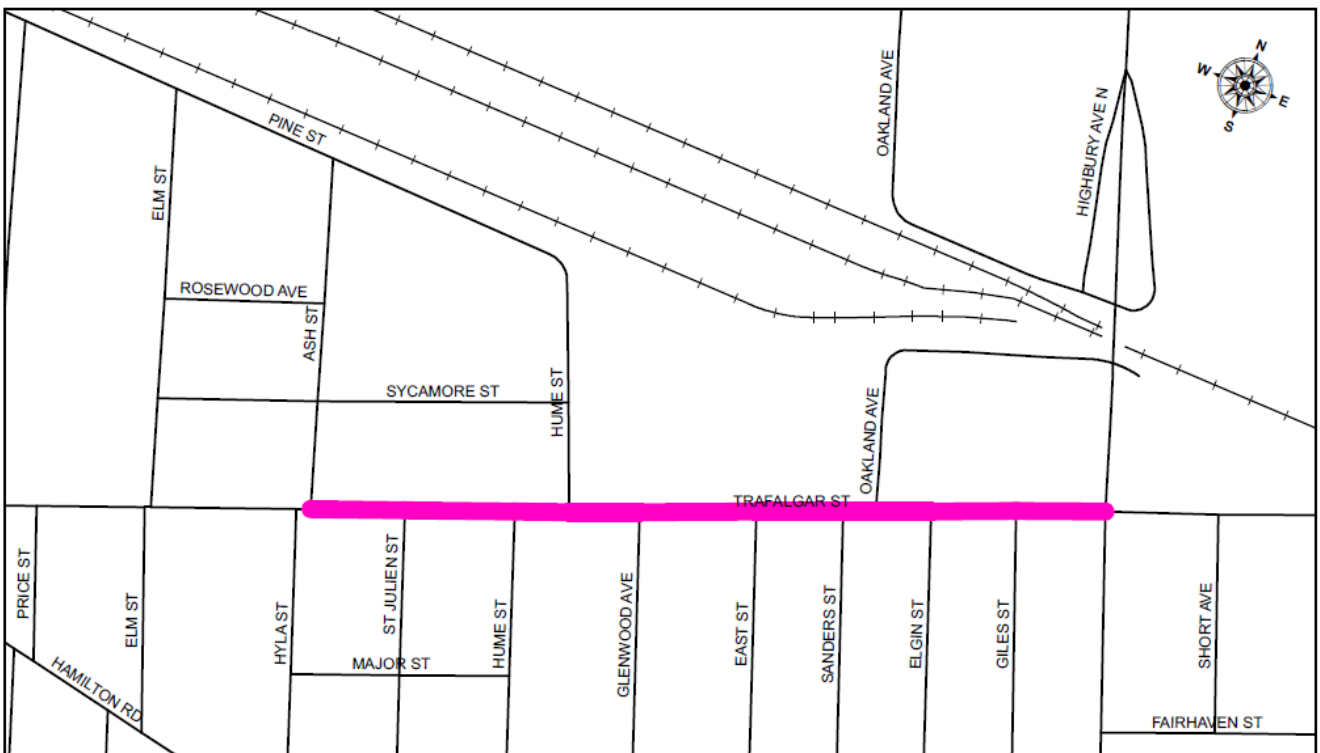
--	--

APPENDIX 'C' - LOCATION MAPS

ASSIGNMENT A



ASSIGNMENT B



--	--

APPENDIX 'C' - LOCATION MAPS

ASSIGNMENT C

