



P.O. Box 5035
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London, ON
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April 6, 2016

J. Braam
Managing Director, Environmental and Engineering Services and City Engineer

I hereby certify that the Municipal Council, at its meeting held on April 5, 2016 resolved:

7. That, on the recommendation of the Managing Director, Environmental and Engineering Services and City Engineer, the staff report dated March 29, 2016, with respect to the 2016 Renew London Infrastructure Construction Program, BE RECEIVED for information; it being noted that the Civic Works Committee received the attached presentation from the Director, Roads and Transportation with respect to this matter. (2016-T10) (7/5/CWC)

C. Saunders
City Clerk
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cc. London Hydro
J. Lucas, Director, Water and Wastewater
E. Soldo, Director, Roads and Transportation
D. MacRae, Division Manager, Transportation Planning and Design
U. DeCandido, Environmental Service Engineer
K. Grabowski, Transportation Design Engineer
Chair and Members, Transportation Advisory Committee



2016 Renew London Infrastructure Program





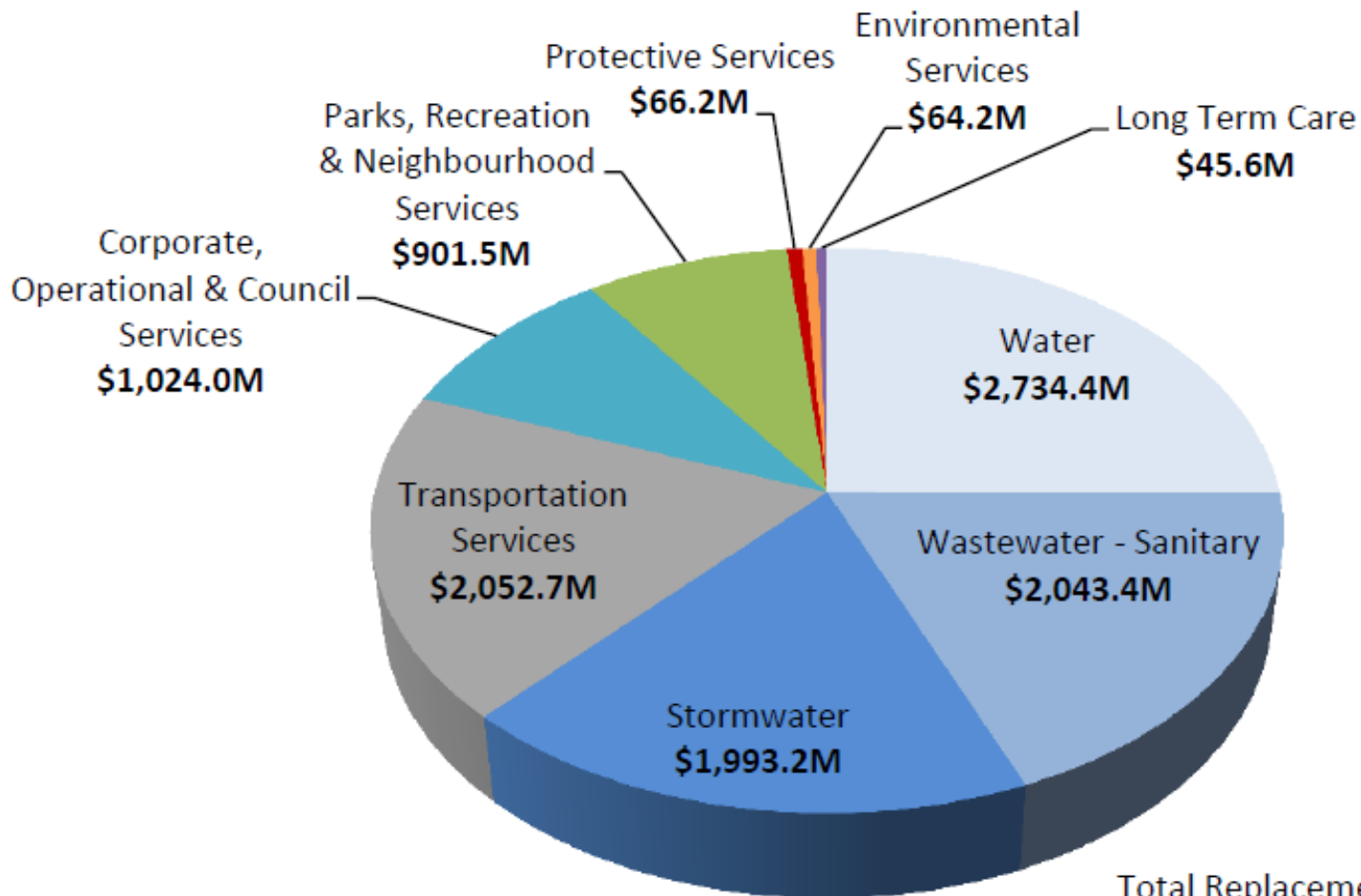
2016 Renew London Infrastructure Program

- Life Cycle Renewal and Growth Projects
- Complete Street Approach - Roads, Water, Sewers, and Streetscapes
- Sustainable Infrastructure





About London's Infrastructure.....



Total Replacement Value = **\$10.9 Billion**



2016 Renew London Infrastructure Program

- \$173.8 M worth of infrastructure projects
- Includes \$63.5 M of road improvements, \$68.5 M of sewer improvements, \$42.6 M of water improvements.

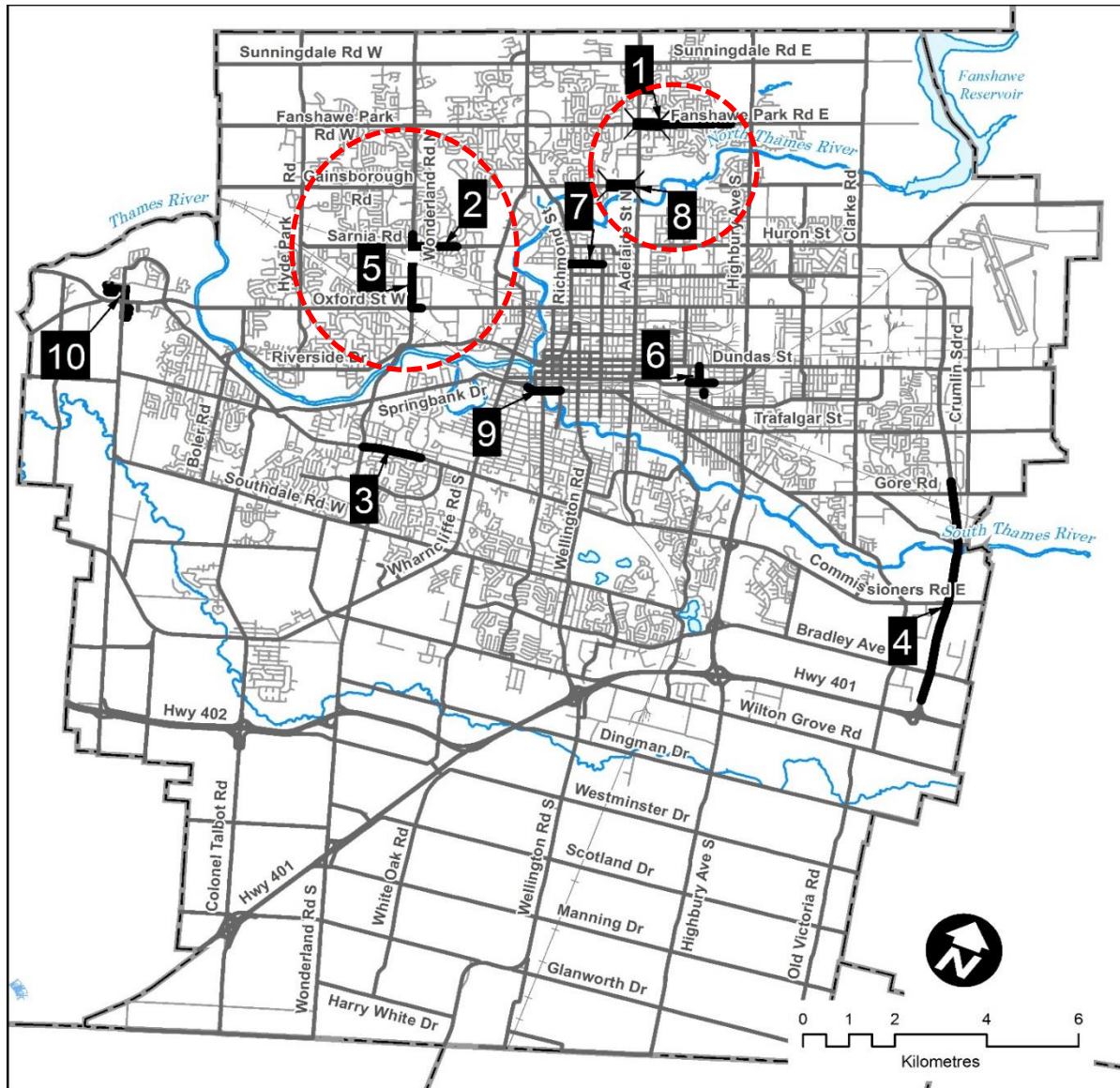




2016 Renew London Infrastructure Program

Top 10 Projects

	Street/Project	Scope	Budget	Schedule	Traffic Impact
1	Fanshawe Park Road	Road widening, bridge, sewer, water	\$14.5m	April – Nov 2016	Reduced lanes
2	Sarnia Road	Road widening, sewer, water	\$8.99m	March – Nov 2016	Reduced lanes
3	Commissioners Phase 2	Road widening, sewer, water	\$13m total Ph.2 - \$8m	March – Nov 2016	Reduced lanes
4	Veterans Memorial Parkway	Road	\$5.93m	April – Nov 2016	Reduced lanes
5	Wonderland/Oxford Intersection	Road	~ \$3m	summer 2016	Reduced Lanes/Intersection
6	Florence St / Kellogg Lane	Sewer, water, road	\$5.79m	April – Nov 2016	Reduced Lanes/ April - Sept 2 - Florence complete closure
7	Victoria Street	Sewer, water, road	\$4.47m	May – Nov 2016	Richmond Intersection
8	Windermere Road Bridge	Bridge rehabilitation over Stoney Creek	~\$900k	May – Nov 2016	Windermere closed Eastbound
9	Horton Street East	Road	~\$500k	summer 2016	Reduced Lanes
10	Riverbend Tributary C	Storm water management facility (4 ponds)	~ \$12 m	May – Nov 2016	none



2016 Renew London Infrastructure Program

Top 10 Projects



Fanshawe Park Road Improvements

- Widening from 2 lanes to 4 lanes
- From Adelaide Street N to McLean Drive
- 2.0 km road widening
- Includes sewers, watermain, signals, streetlighting, sidewalks and on-road cycling lanes
- Stoney Creek Bridge widening to accommodate multi-use pathway
- Tendered in December





Sarnia Road Improvements

- Widening from 3 lanes to 4 lanes
- From Wonderland Road North to Sleightholme Avenue
- 1.1 km road widening
- Includes sewers, watermain, signals, streetlighting, sidewalks and on-road cycling lanes
- Pocket park at the NE corner of Wonderland and Sarnia
- Tendered in November 2015





Veterans Memorial Parkway Rehabilitation

- Asphalt Rehabilitation
- Hwy 401 – Gore Road
- 4 lanes wide, 8.0 km long
- Potential carry-over
- Tendered in February

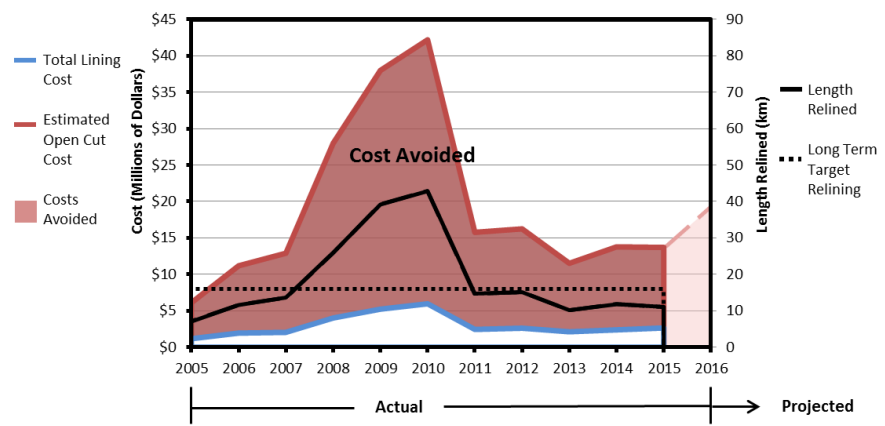


Trenchless Sewer Lining



- Benefits are significant capital cost avoidance, and minimized social impact

\$166 M cost avoidance by Lining Sewers vs. Open Cut in last 10yrs

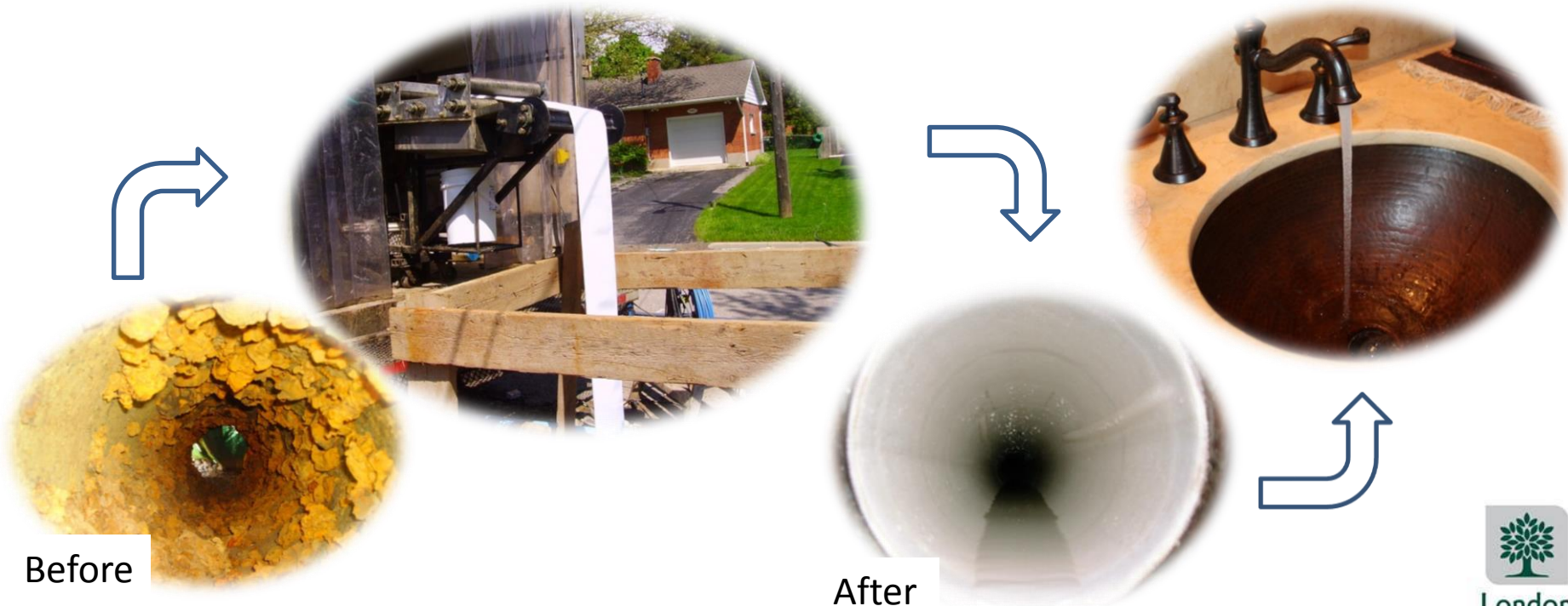


Notes: Data produced by Construction Administration. Theoretical costs are indexed to 2009 average costs. Lining costs are for the actual year.



Trenchless Water Lining

- Benefits are significant capital cost avoidance, and minimized social impact





2015 Renew London Infrastructure Program



BEFORE



AFTER



BEFORE



AFTER

Improving our Community and the Quality of Life for Residents



Bridge Rehabilitation



- Maintaining our existing infrastructure



Major Road Rehabilitation

- Pavement rehabilitation
- 3 tenders grouping like projects:
 - Veteran's Memorial Parkway
 - Expanded Asphalt
 - Mill & Pave & Mat Replacement
- Tenders January to April



Addressing the
Infrastructure Gap



2016 Renew London Infrastructure Program

- Impacts minimized by:
 - Project Level Coordination (individual impacts and schedules)
 - Program Level (cumulative effects)
 - City of London's Utility Coordinating Committee (UCC) coordinates planned works in the ROW.
 - Communication with LTC, Police, Fire, EMS, schools, school bus providers, Canada Post
 - Minor Works, Special Events, etc.



2016 Renew London Infrastructure Program

Communications

- Media Releases
- Public Meetings, Mail outs & Social Media
- Signage
- Website



www.london.ca/construction



2016 Renew London Infrastructure Program

