

**Document 5**

*Service Outcomes - 2012 Comprehensive Asset Management Program*

ACS2012-PAI-INF-0007

<b>Asset</b> (Typical Recognized Practice)	<b>Service Outcomes Based on Minimum State of Repair (Current Funding Plan to 2022)</b>	<b>Service Outcomes Based on Maintaining Assets in State of Good Repair (Recommended Funding Plan to 2022)</b>
<b>Roads and Sidewalks</b>		
<b>Ottawa Road 174</b> Multilane section  (12 to 15 year cycle)	Resurfaced approximately every 15 years.  In general, road users should experience a road in good to fair condition.  Some road sections are likely to receive at least one preservation treatment (i.e. microsurfacing or thin lift asphalt applications) before resurfacing.	Resurfaced approximately every 12 to 15 years.  In general, road users will experience a road in good condition.  Some road sections are likely to receive at least one preservation treatment (i.e. microsurfacing or thin lift asphalt applications) before resurfacing.
<b>Arterial Roads</b> (15 to 20 year cycle)	Resurfaced approximately every 20+ years.  In general, road users should experience most of the arterials to be in good to fair condition.  Roads are likely to receive at least one preservation treatment before resurfacing.	Resurfaced approximately every 15-20 years.  In general, road users will experience arterials in good condition.  Roads are likely to receive at least one preservation treatment before resurfacing..

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<b>Roads and Sidewalks</b>		
<b>Collector Roads</b> (25 to 35 year cycle)	Resurfaced approximately every 40-50 years.  In general, road users should experience many of the collectors in fair condition. Users will see more spot repairs and the City will continue to receive increased number of vibration complaints.  Some road sections will receive at least one preservation treatment before resurfacing.	Resurfaced approximately every 25-35 years.  In general, road users will experience collectors in good to fair condition.  Over time, the City will see a reduction in the number of vibration complaints.  Some road sections are likely to receive at least one preservation treatment before resurfacing.
<b>Local Roads and Lanes</b> (35 to 50 year cycle)	Resurfaced approximately every 75 <sup>+</sup> years.  In general, road users can expect the local roads to be in poor to very poor condition leading to increased number of complaints on road condition.  Residents can expect that resurfacing would only take place when condition becomes a safety concern, the underground infrastructure is renewed, or when the road can no longer be effectively	Resurfaced approximately every 50 years.  In general, road users can expect roads to be in poor condition leading to some complaints on road condition.  Consideration would be given to alternative cost effective renewal strategies (i.e. thin lift treatments instead of traditional mill and pave) until roads are reconstructed to address underground infrastructure needs.

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<b>Roads and Sidewalks</b>		
	maintained.	
<b>Gravel Roads</b> (upgrading to hard surface)	Funding allows for limited opportunities to upgrade gravel roads to address the highest operational safety needs.	Funding allows for additional opportunities to upgrade gravel roads to address operational improvements both in terms of safety and operational efficiencies.
<b>Sidewalks</b> (40 to 50 year cycle)	Sidewalks reconstructed every 75+ years.  In general, users can expect attention to be directed to sidewalks with higher pedestrian volumes.  The overall condition of sidewalks is expected to deteriorate. More spot repairs can be expected to address safety issues until these are replaced as part of road reconstruction projects.	Sidewalks reconstructed every 60+ years.  In general, users can expect lower volume sidewalks to see some deterioration and sidewalks with higher pedestrian volumes in safe condition. Funding provides the ability to undertake stand alone sidewalk replacements in addition to those replaced as part of road reconstruction projects.

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<p><b>Asset</b> (Non transit)</p>	<p><b>Service Outcomes Based on Minimum State of Repair (Current Funding Plan to 2022)</b></p>	<p><b>Service Outcomes Based on Maintaining Assets in State of Good Repair (Recommended Funding Plan to 2022)</b></p>
<p><b>Structures</b></p>		
<p>Bridges, Retaining Walls, Large Culverts, Sign Supports</p>	<p>Deficit between maintaining condition and funding required to address the needs is growing.</p> <p>Safety is maintained. In some cases, full scale rehabilitation projects are moved in the schedule or are phased due to annual budget limitations.</p> <p>This can lead to interim or recurring rehabilitation and repeated traffic disruptions over the long term.</p> <p>In some cases, there are short term closures or restrictions to address safety concerns.</p> <p>Functional changes (addition of cycling, load restriction mitigation) are delayed in their implementation.</p> <p>The number of load posted structures may increase over the long term.</p>	<p>Funding levels are anticipated to help provide some stability to reduce the rate of overall deterioration.</p> <p>Fewer schedule adjustments through reduction of interim or recurring rehabilitation interventions.</p> <p>Overall, provides an ability to reduce the number, frequency and duration of traffic disruptions.</p>

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<b>Buildings and Parks</b>		
<b>Fit and Finish</b> (carpet replacement, repainting, retiling, etc)	Very limited opportunities for fit and finish activities as focus is on life safety, structure, mechanical and electrical systems.	Some capacity for fit and finish activities to enhance customer experience where these are deemed to be cost effective.  Focus would remain on life safety, structure, mechanical and electrical systems.
<b>Mechanical System Replacement</b> (20 year life)	Funding allows for replacements where systems have typically exceeded their anticipated service lives.  Safety is maintained, but unscheduled service interruptions can be expected as systems are extended beyond their anticipated service lives.	Funding allows for replacements where systems are generally within their anticipated service lives..  Safety is maintained. Unscheduled service interruptions would be reduced.
<b>Roof Replacement</b> (25 year life meaning 30 per year)	Funding allows for roof repairs with replacements typically well beyond anticipated service lives.  Safety is maintained, but unscheduled service interruptions can be expected due to the need to undertake more frequent interim repairs.	Funding allows for roof repairs and replacements generally within anticipated service lives..  Safety is maintained. Frequency of unscheduled service interruptions would be significantly reduced as would be the deterioration of other building

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<b>Buildings and Parks</b>		
	The longer renewal cycles are also expected to result in more water penetration into the building envelop leading to deterioration of other building components.	components that could be susceptible to water penetration into building envelop.
<b>Accessibility Retrofits</b> (AODA standards under development have identified barriers to be removed by 2025)	Accessibility retrofits apply to both building facilities and parks. Funding allows for barriers to be removed over a 45+ year period, exceeding AODA timelines. Investments focused on removing public accessibility barriers.	Accessibility retrofits apply to both building facilities and parks. Funding allows for barriers to be removed over a 25+ year period, exceeding AODA timelines. Investments focused on removing public accessibility barriers, including more capacity to make parks and playgrounds more accessible.
<b>Park Pathways, Lighting, Wading Pools, Parking Lots.</b>	Funding allows for minimal maintenance and repairs focused on safety. Users can expect more spot repairs and lower priority items related to fencing, lighting, water play structures, wading pools,	Funding allows for maintenance of existing assets at levels that reduce the growing backlog of needs. Safety would be maintained and user experience would be

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<b>Buildings and Parks</b>		
	pathways, parking lots and signage are deferred resulting in growing backlog.	improved.
<b>Play Structures Replacement</b> (a 20 year life requires 30 per year)	Funding allows five to six play structures to be replaced per year.  Focus would be on keeping structures safe but there would be a growing number exceeding their anticipated service lives.  User experience would be impacted.	Funding allows 25 to 30 play structures to be replaced per year.  Safety would be maintained and user experience would be improved.