

Expected Treatment Service Life

Below is the expected service life of particular types of road treatments, which is informed by the City’s existing asset management system. It is guided by the City’s Infrastructure Asset Management Policy (Policy C598). The performance of any individual treatment is based on many factors including pavement type, existing pavement structure, traffic loading, existing condition and subgrade strength.

Roadway Classification	Treatment			
	New Construction / Full Reconstruction	Full Depth Reclamation	Structural Overlay	Grind and Overaly
Arterial / Major Arterial	20 - 25 years	15 - 20 years	12 - 15 years	8 - 12 years
Collector	22 - 27 years	20 - 25 years	12 - 15 years	8 - 12 years
Local	30 - 35 years	25 - 30 years	20 - 25 years	15 - 20 years

Projected Treatment Service Life based on Field Study

The following information is based on a limited scope case study, which assessed 30 asphalt surfaced road sections approximately 10 years after application of treatment. The assessment included a projected service life based on observed existing road conditions and would be impacted by many of the factors noted above, including future traffic loading, the rate at which deterioration takes place and whether or not existing structures perform as expected. This limited scope study is not considered comprehensive to confirm actual treatment service life for the entire asphalt road network.

Roadway Classification	Treatment			
	New Construction / Full Reconstruction	Full Depth Reclamation	Structural Overlay	Grind and Overaly
Arterial / Major Arterial	19 years	16 years	12 - 20 years	16 - 18 years
Collector	21 years	17 - 22 years	18 - 22 years	23 years
Local	X	22 - 27 years	19 - 25 years	19 years