

MANUAL OF SERVICE REQUEST & SIDEWALK DISTRESS MATRIX

Note: This Matrix is for the evaluation of Point Distresses

CRITERIUM	PAVEMENT				SIDEWALK			
	RAVELING	CRACKING	RIDE	PAVEMENT DRAINAGE	Poor Drainage	Spalling	Excessive Cross Slope	Trip Hazard
DESCRIPTION	<i>Losing smaller surface particles</i>	<i>Surface or structural breaks</i>	<i>Smoothness and driving comfort</i>	<i>Pavement Depression, Drainage and Pounding Issue</i>	<i>Depression on Sidewalk, Pounding Issue</i>	<i>Losing Surface Particles</i>	<i>cross slope of the sidewalk to vary from the normal design slope of 3%</i>	<i>Vertical Displacement, Broken Walk or cracks</i>
Level 10	As new. No signs of raveling.	As new. No visible cracking.	As new. Very smooth surface. Excellent ride at design speed.	As new. Good crown allowing water to reach the sides.	As new. Level gutter causing good Drainage to CB.	As new. No walk damage.	Within normal standards (0% to 3% grade)	As new. No visible cracking, or other distresses.
Level 8	Some smaller particles missing in front of 1 or more properties.	3 to 5 clearly developed transverse and longitudinal cracks in front of 1 or more properties.	Occassional dips, or repaired cuts, or other unevenness. Good ride at 50 km/hr in front of 1 or more properties.	Shallow rutting, or unevenness is appearing along 1 or more properties.	Small (3' x 1'), shallow area of water collecting in gutter.	Less then 25% of one or more panels with good to fair spalling.	5%-10%	TH of 0mm - 10mm, CR width 0mm - 5mm, BW with less then 25% of a single panel
Level 6	Small to medium particles missing in front of 1 or more properties.	Frequent transverse and longitudinal cracks, and / or starting to block crack in front of 1 or more properties.	Dips, repaired cuts, patched potholes or other unevenness. Uncomfortable at 50 km/hr in front of 1 or more properties.	Rutting, inverted crown, medium shallow to deep ponding issues appearing along 1 or more properties.	Medium (5' x 3'), shallow area to deep area of water collecting in gutter.	Upto 50% of one or more panels with fair to severe spalling.	15%-20%	TH of 20mm - 35mm, CR width 10mm - 15mm, BW upto 50% of a single panel
Level 4	Large particles missing, becoming sandy in front of 1 or more properties.	Large areas of block cracking and/or noticeable area of alligator cracking in front of 1 or more properties.	Many dips, repaired cuts, potholes or other unevenness. Slow down to 30 - 40 km/hr in front of 1 or more properties.	Deep rutting, inverted crown, large shallow ponding issues appearing along 1 or more properties.	large car sized (10' x 6'), shallow area of water collecting in roadway and gutter.	Upto 75% of one or more panels with severe spalling	25%-30%	TH of 40mm - 60mm, CR width 20mm - 30mm, BW upto 75% of a single panel
Level 2	Large particles missing, becoming very sandy and turning to gravel in front of 1 or more properties.	Large area of alligator cracking with chunks breaking out in front of 1 or more properties.	More than 50% of surface is patched, many depressions. Slow down to 20 km/hr in front of 1 or more properties.	Deep rutting, inverted crown, large deep ponding issues appearing along 1 or more properties.	large car sized (10' x 6') or greater, deep area of water collecting in roadway and gutter.	Over 85% of one or more panels with severe spalling.	35%-40%	TH greater than 65mm, CR width over 35mm, BW over 85% of a single panel

VERSION: July 7, 2015

	PAVEMENT				SIDEWALK			
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