

Asset Condition Nomenclature and Repair Levels

Deficiency: Joint Displacement

Description: Difference in elevation between sidewalk panels at the joint; Displacement may or may not cross the entire width of the sidewalk; Joint separation (a gap between panels) is generally not considered displacement unless it is accompanied by a difference in elevation.

Repair Level	Measurement: <Height/elevation>
Minimal displacement no work required	<5 mm
Sidewalk Displacement: patch with bagged concrete product. Grind concrete displacement with walk grinder	5-10 mm
Sidewalk Subsidence: patch with bagged concrete product. Place asphalt patch. grind lip off displacement.	11-19 mm
Sidewalk Displacements / Subsidences: patch with bagged concrete product. Place asphalt patch. Grind displacement, possible replacement of walks.	20-29 mm
Severe Distortion / Heat expansion: perform preventative maintenance by patching with bagged concrete product. Place asphalt patch. Replace walks as required	>30 mm

Deficiency: Vertical/Horizontal displacement (Heave)

Description: Frost heave is when the sidewalk has no place for lateral movement. When the concrete heats up and expands it displaces the concrete creating a deficiency. (heave, shattered concrete)

Repair Level	Measurement:
Dry saw cutting or bagged cement product to make	<15

Attachment 4

safe	
Dry saw cutting, Remove and replace affected panels	>15

Deficiency: Horizontal/Longitudinal cracking

Description: Crack created along the center of a concrete sidewalk from having poor base material leaving a displacement on the walking surface hazardous to pedestrian traffic.

Repair Level	Measurement:
minimal displacement no work required	< 15 mm
patch with bagged concrete product. Grind concrete displacement with walk grinder	> 15 mm
Remove and replace affected area of walk if temporary patching was done	> 25 mm