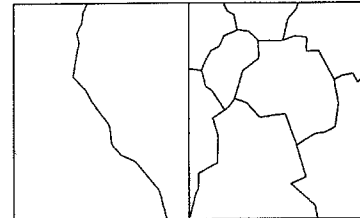


Sidewalk Repair/Replacement Standards

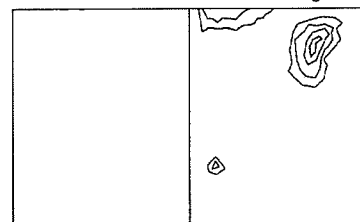
The repair/replacement standards the City uses are based on a combination of the Americans with Disabilities Act Accessibility Guidelines (ADAAG) and construction experience. The criteria falls into 5 repair criteria as follows:

Broken and Displaced Slabs – Any slab that is broken into 3 or more pieces, or 2 pieces and shifting. This is a problem because once slabs have started to break up and/or move, they could move drastically over one winter.



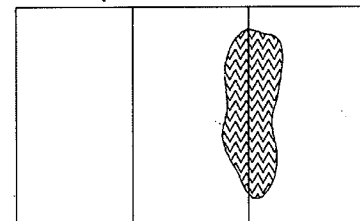
Broken and Displaced
3 Pieces or 2 Pieces and Shifting

Scaling and Spalling – The surface of the concrete starts to flake off and is marked when it reaches 6 square inches $\frac{1}{2}$ " in depth. This is covered in the ADAAG – any elevation change greater than $\frac{1}{4}$ " must be beveled, greater than $\frac{1}{2}$ " ramped. This also produces a rough surface texture that can be tripped on by an able-bodied individual and will cause a very uncomfortable situation for a wheelchair-bound individual. In addition, once the surface integrity has started to fail it will continue.



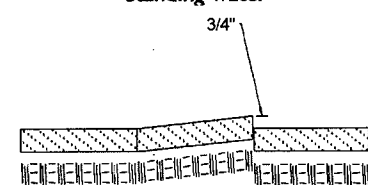
Scaling and Spalling
 $\frac{1}{2}$ " or greater in Depth
6 sq inches or more in Size

Standing Water – Any time there is standing water or the staining/collection of dirt, this is marked. This is a hazard that does not always involve slab replacement. It may be resolved by edging of the grass or "cutting" a drainage trench



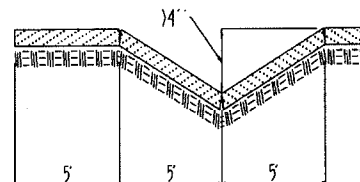
Accumulation of Standing water

Elevation Changes - An elevation difference between two slabs of $\frac{3}{4}$ " or greater. According to the ADAAG anything in excess of $\frac{1}{4}$ " must be beveled and above $\frac{1}{2}$ " must be ramped.



Raised greater than $\frac{3}{4}$ "

Settlement – The settlement across two slabs that exceed 4" creates a slope greater than 5%, which is considered a ramp by the ADA. This is often fixable by "lifting/mudjacking" the slabs back to their original elevation.



Settlement
Settlement greater than 4"