




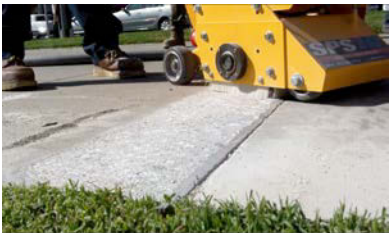
















Joint Deflection Removal Comparison

Raised sidewalks caused by tree roots and ground movement is a pedestrian safety hazard as determined by ADA. Having a sidewalk management program that can eliminate these hazards protect pedestrians and prevents injury and legal liabilities. Sidewalk grinding of concrete sidewalk pad risers up to 2" has been identified as the most cost effective method to address tripping injury. Here are two methods used by governments and property owners.

Trip Removal Method	Horizontal Cutting Saw Blade	Scarifier/Grinder w/ carbide flails
Manufacturers	Sidewalks Plus USA Ltd. www.SidewalksPlus.com	SMITH Manufacturing www.SMITHmfg.com
Value Proposition	Patented tractor mounted cutter cleanly and quickly removes a slice of concrete from (sidewalk) edge to edge eliminating the hazard	Fast, Easy and Cost effective Surface Removal with a Portable SMITH
Work completed by	Sidewalks Plus contractor	Contractor or Maintenance Ops
Equipment Size, Versatility	Very large tractor mobilization requires open areas. 	Portable compact walk behind 
Equipment Cost	Equipment cannot be purchased, work must be contracted	\$1,000 - \$6,000
Cost to Cut 1" H X 5' with 12" taper	\$50 - \$100 per panel by contractor	\$25 - \$75 per panel by contractor \$5.00 material cost by you
Set-up time	15 minutes	5 minutes
Time to Cut – 1"	30 minutes	15 minutes
Working Area	Requires open access without obstructions. 	Operates in tight locations 
Repairs or Tight Locations	Obstructions are cut with a hand-operated grinder. 	Can use same machine 

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Dust Free Operations	<p>Yes: Large Cutting Blade uses water to cut dust but creates slurry.</p> <p>No: Small cutting blade cuts dry without dust collection</p>	Yes, with Dust Collector
Clean-up Tool 1	<p>Use power washer to clean slurry into swale or drain</p> 	<p>Dust-free, Water-free removal application</p> 
Clean-up Tool 2		
Surface Finish flatness and Skid Resistance	<p>Leaves a flush, groove free surface, CSP1. Very Slick surface, no traction</p> 	<p>CSP3-4 no-groove finish, with a high non-skid surface finish</p> 
Finished Transition	<p>severe ramp in many locations</p> 	<p>tapered back slope</p> 
Maintenance of Risers	<p>Hand-held open grinding blade</p> 	<p>Upright protected cutting tool</p> 

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<p>Costs to maintain sidewalk (1/4" risers)</p>	<p>Requires new contract or asphalt patch</p> 	<p>\$1.00/grind with SMITH ownership</p> 
<p>Safety</p>	<p>Use of an open, high speed diamond blade without guards or covers</p> 	<p>Cutter removal operation are covered behind guards</p> 
<p>Options</p>	