

Innovation Grant

Rubberized Sidewalk Pilot Project

Update March 2016

WE KEEP PORTLAND MOVING.



PBOT
PORTLAND BUREAU OF TRANSPORTATION

Rubberized Sidewalk - The Goal



Sidewalk hazards are created by mature tree roots pushing rigid concrete sidewalks – creating a trip hazard

Some sidewalks have been identified as a tripping hazard every 5-7 years

Average repair costs per property are \$1200

Rubberized Sidewalk - The Goal



Material could eliminate/elongate the time to next repair – saves \$\$

Material could eliminate long term safety issues – creating an accessible environment for all

Saves trees

Rubberized Sidewalk - What is it?



Flexible, porous pavement product

100% recycled crumb rubber (tires)
+ patented binder

Concrete – gravel, sand, cement,
water and it's RIGID

Rubberized Sidewalk - What is it?



Rubberized Sidewalk - What is it?



Rubberized Sidewalk - Progress



Installed July 2015

Grant amount: \$6000

Total Cost to install: \$14,838.48

Evaluation ongoing – first inspection
1/15/2016

Comments

no trip hazard

Perhaps slippery – need to evaluate
coefficient of friction

Concerns – skateboarders, bicycles,
wheelchairs

Rubberized Sidewalk - Next Steps



Continue evaluations – 6 month basis

Success? Then...

Modify Standard Specifications

Modify Standard Drawings

Add to the Construction Product List (CPL)

And save time, money, and have a safe pedestrian environment