

DIAMOND
ROAD
BOARD
DIAMOND

Diamond Road Smoother™

Smooth Roads...

Diamond Road Smoother™

- All-in-one design includes water, diamond grinding, and clean-up.
- Full automation yields extremely quick setup between each bump to be ground.
- Grinds concrete or asphalt.
- Grinds marked bumps or grinds bumps directly from profilograph data.

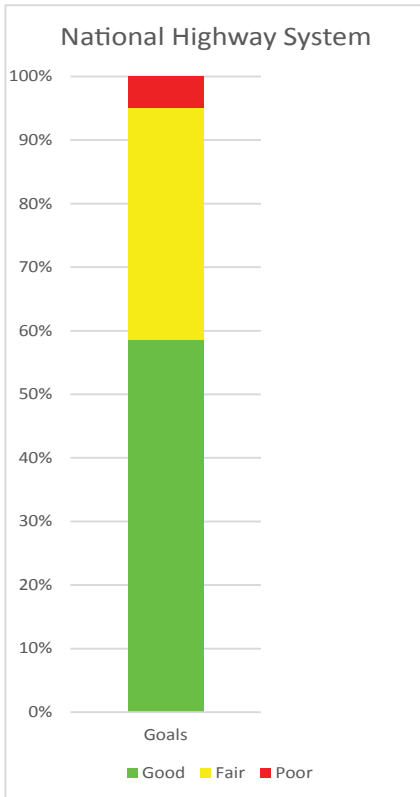
Patent Pending



The Diamond Road Smoother™ is designed for Road Smoothing

Everybody loves smooth roads. Now there is a way to smooth your roads, and keep them that way. With a grinding width of eight feet and its quick set up time, the **Diamond Road Smoother™** can smooth roads fast. The **Diamond Road Smoother™** has the accuracy and speed needed to economically smooth all of your roads.

Smooth Roads...



How smooth are your roads?

Federal Highway Administration goals set in 2006.

Good ride quality roads are defined as having a roughness index of 95% or better.

Smooth roads save money!

Smooth Roads:

- Increase public satisfaction¹
- Increase fuel mileage²
- Cause less wear and tear on vehicles³
- Extend pavement life. Last at least 10% longer⁴
- Smooth roads are safer⁵
- Are more comfortable to drive on, reducing fatigue
- Smoother roads save money

1- Based on the 1995 survey, which was conducted by the FHWA, smoothness of ride was found to be one of the most important factors in increasing public satisfaction with the highway system.

<http://www.fhwa.dot.gov/pressroom/fhwa0014.cfm>

2- Improving IRI (roughness index) by 10 % improved fuel economy by 4.5%.

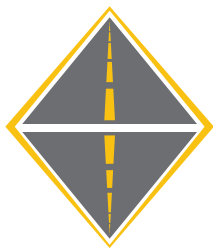
<http://www.fhwa.dot.gov/publications/focus/00apr/smoothier.cfm>

3- After a long trip on good highways, motorists realize that they're not as tired from the constant vibration of rougher roadways, and they know logically that there's been less "wear and tear" on the vehicle, especially its suspension system. <http://www.fhwa.dot.gov/publications/publicroads/99marapr/smoothie.cfm>

4- A side bonus is that these smoother roads will last longer, meaning the state spends fewer hours on maintenance and less money on upkeep. <http://www.fhwa.dot.gov/publications/publicroads/99marapr/smoothie.cfm>

5- Why are smoother roads safer? Rough roads can result in a loss of vehicle control, a reduction in a person's ability to perform motor tasks, driver fatigue, and an increased frequency of lost load accidents. Additionally, when considering the effect of roughness on pavement friction, increased roughness results in higher average friction loss.

<http://www.smoothpavements.com/content.aspx?id=1>



DIAMOND ROAD BOARD

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