

# SKIDABRADER



## PAVEMENT TEXTURING FOR SKID RESISTANCE

**BI-DIRECTIONAL SHOTBLASTING PROCESS FOR SAFETY**

*Built and operated in the USA & Canada for more than 30 years*



## WHY SKIDABRADER?

For the best pavement repair possible at the lowest price, pavement engineers choose the most technologically advanced equipment — Skidabrader.

Skidabrader provides bi-directional shotblast machines that eliminate shading and promote surface drainage by exposing new points of aggregate in the existing pavement.

### THE SKIDABRADER DIFFERENCE

- Built specifically for highway work
- Blasted material is transferred off-site
- Faster and more economical than other methods
- Most productive machinery of its type
- Maximum productivity in short work windows

Skidabrader machines are infinitely variable to achieve any specification or desired result that is needed.

The machines use self-contained lighting. The work is laser-guided for a straight, professional appearance, and markings can be left intact, if desired.



## SKIDABRADER REDUCES CAR CRASHES 71% IN KILGORE

Officials from Kilgore, Texas, told the Kilgore News Herald in October 2013 that Skidabrader “clearly saved lives” and that its technology “proved invaluable.”

Kilgore’s section of I-20 had a history of multiple car accidents when it rained, leaving police officers and first responders feeling unsafe. After the three-day Skidabrader process, improvement was immediate. Within six months, the number of accidents had dropped 71 percent.

“After the outstanding results and reduction in accidents that Kilgore achieved after the Skidabrader improved the traction on the part of I-20 in the city limits, it looks like a wonderful method to be used on even more of the interstate to increase safety and reduce wrecks,” Kilgore Mayor Ronnie Spradlin told the Herald.





# HIGHWAYS

Skidabrader is the remedy for the slick, wet surfaces that contribute to approximately 40,000 highway deaths annually.

Effective on all pavements, Skidabrader also reduces groove steering, removes ghost striping and eliminates road glare, while leaving paint stripes and reflectors intact.

Under a rolling safety zone, the fast and efficient Skidabrader produces miles of finished surface at night, when traffic volume is the lowest.

## THE SKIDABRADER ADVANTAGE

- Promotes surface drainage
- Improves both micro and macro texture
- Restores OGFC
- Makes retexturing possible. High polishing surfaces can be retextured multiple times
- Prepares surfaces for sealers and overlays
- Environmentally friendly



## 2011 LOUISIANA STATEWIDE CONTRACT

1,794,662 square yards

255 lane miles

Completion in 41 working days with two machines

This large-scale project spanned nine parish districts and consisted of all Interstate Highways. Skidabrader textured these roads to lower wet weather accident rates.

## 2013 TEXAS DOT / I-20 INTERSTATE KILGORE AREA

150,000 square yards

21 lane miles

Completion in two days with two machines

Worn asphalt on I-20 in eastern Texas was textured to restore wet-weather safety on this 75-mph highway.

# RUNWAYS



## ROSWELL, NEW MEXICO

145,000 square yards

Completion in two days with two machines

Major aircraft manufacturers use this operating airport for braking tests. Skidabrader textured this runway to a targeted skid number that met FAA specification.

## HUNTSVILLE, ALABAMA

190,000 square yards

Completion in two days with two machines

Skidabrader restored skid numbers to safe levels on their asphalt runway when a surface treatment six months earlier did not cure properly.

Major U.S. and Canadian airport contracts specify the Skidabrader exclusively to restore runway texture to FAA compliance. Airports report that Skidabrader periodically pays for itself in reduced rubber removal requirements.

In 1994, NASA needed a surface modification for its Florida shuttle-landing runway. The goal? A surface modification that would allow the \$2 billion shuttle to land safely in a 20-knot crosswind.

Skidabrader, with its bi-directional surface modification, outperformed all major competitive equipment. Two Skidabraders completed the 15,000 x 300-foot-wide

## THE SKIDABRADER PERFORMANCE

- Clean, dry operation
- No foreign object debris (FOD)
- Truck-mounted electro-magnets are used on all airport projects
- Excellent friction numbers with reduced tire wear and rubber build-up
- In emergencies, Skidabrader can evacuate the worksite in less than three minutes

runway to specifications in just eight working days. It continues to perform to NASA's expectations today.

# BRIDGES

Elevated roadways present a unique challenge because the surface is susceptible to freezing. Without adding material, Skidabrader increases the micro and macro texture.

This provides drainage and friction simultaneously without increasing the dead weight load limits and with minimal traffic disruption.

## THE SKIDABRADER SOLUTION

- No damage to finger joints or drainage inlets
- No airborne contaminants
- No contaminated runoff
- Truck-mounted vacuum units facilitate off-site blasted material disposal



## LAKE PONTCHARTRAIN CAUSEWAY

782,000 square yards

111 lane miles

Completion in 25 working days with three machines

The Causeway twin span bridge at 23.85 miles long is the longest bridge over water (continuous) in the world. The Skidabrader restored its surface to a safe texture and helped complete the project 90 days ahead of schedule.

## ATCHAFALAYA BASIN BRIDGE

500,684 square yards

71 lane miles

Completion in 12 working days with two machines

Also known as the Louisiana Airborne Memorial Bridge, this 18.2-mile-long twin span bridge is the second longest in the U.S. Skidabrader was able to texture the entire length with no traffic disruption.





## ABOUT SKIDABRADER

### WINNING PHILOSOPHY

Skidabrader services the needs of airport, bridge and highway engineers who have structurally sound pavement with surface problems. By using the most technologically advanced equipment, operated professionally, we deliver maximum productivity in short work windows. Fully instrumented controls and plenty of horsepower enable operators to quickly and easily produce the specified surface every time. No excuses.

### EXPERIENCE

Made in the USA is integral to the Skidabrader mission and results in the employment of a dedicated team of operators with more than 100 years of combined surface modification experience. Each member contributes to the cutting-edge technology of industry standards and test procedures. When a Skidabrader is on the job, so is an industry expert.

### A BRIEF HISTORY

Skidabrader originally started in 1979 as Humble Equipment Co. in Humble, Texas. Early "prototype" machinery was used for concrete overlay projects, routinely preparing a mile a day of 24-foot-wide roadway. Most of these overlay projects are still in use today. Our contracting/manufacturing experience has enabled us to evolve the Skidabrader into the most powerful, productive and fully adjustable machine built today.

**IT'S NOT JUST A SHOTBLASTER. IT'S A SKIDABRADER.**

