

CASE STUDY:

WYOMING DEPARTMENT OF TRANSPORTATION DISTRICT 3-EVANSTON

The Challenge

The Wyoming DOT Evanston location sits just outside of Utah in a mountainous area that experiences heavy snowfall accumulation and consistent snow events. Their plows must contend with hard-packed snow and ice while being subjected to aggressive wear conditions on high-speed concrete roads.

The Evanston garage was running 3/4"x6" single carbide insert blades. This blade setup gave them the cutting power to clear hard-packed snow and ice but meant that blades needed to be changed each shift with a wear life of only 12-30 hours.

The Solution

Winter Equipment's Razor® XL was the perfect solution for Evanston's challenges.

The Razor® XL is specifically engineered for an aggressive cutting ability with a long-lasting wide footprint. The Razor® XL easily cuts through hard-packed snow and ice leaving roads clear and minimizing salt or chemical treatment usage while also resisting wear in highly abrasive conditions.

The system incorporates our HammerHead® bullnose carbide inserts that are 30% larger and can run at a wide range of attack angles. An integrated cover blade protects the HammerHead® bullnose carbide inserts from impact, ensuring the carbide stays in place.

The back side features our Impervium® carbide filled wear bars that perform like a moldboard shoe. The wear bar widens the footprint of the blade and fortifies it with additional carbide giving the Razor® XL superior wear resistance.

Two PlowGuardMAXX® curb guard blade savers are included to guarantee the blade wears evenly. Ensuring even blade wear eliminates waste and allows the blade to be used to its full life potential.

The Result

Evanston purchased 4 Razor® XL systems in January 2017 and reported run times of over 100 hours, equaling a 4x-8x increase in wear life. The Razor® XL allowed them to clear hard-packed snow and ice, reduce plow downtimes, reduce costs, and eliminate blade waste.

Evanston has since purchased additional systems to convert its entire fleet and plans to continue using the Razor® XL.

How can Winter Equipment help you?

Winter Equipment offers a line-up of cutting edge systems specifically engineered for a range of conditions. Our wear parts experts are available to help you find the right solution for your challenges.

We offer three easy ways to get started:

Call us at **1-888-294-9401**

Email us at **sales@winterequipment.com**

Start the process online at **WinterEquipment.com**

OTHER DOT USERS:

Indiana DOT • Oklahoma DOT • Utah DOT
Colorado DOT • Oklahoma Turnpike Authority
Kentucky Transportation Cabinet

SAVINGS ANALYSIS

6X Wear Life Average

COST SAVINGS PER:

TRUCK

\$939*

Evanston Garage
6 TRUCKS

\$5,634*

Wyoming DOT
100 TRUCKS

\$93,900*

*Savings amounts do not include downtime costs. Winter Equipment Company manufactures wear systems that can last up to one complete season. Each customer's experience will vary based on wear conditions, weather, operator use, and other variables.

RAZOR® XL SYSTEM



- > DOT-rated
- > 30% More Carbide
- > 3X Longer Blade Life
- > Aggressive Cutting Power

Ideal for:

- > Roads: Concrete, chip-seal, asphalt
- > Speed: High
- > Plow Type: Reversible, one-way, wing and tow plows
- > Angle of Attack: 65°-90°

Includes:

- > Three Razor® XL sectional blades with
 - > Pre-welded wear bars
 - > Integrated impact-resistant cover blade
- > Two PlowGuardMAXX® curb guard blade savers
- > All Grade 8 hardware needed for installation

START A QUOTE

 **WINTER**
We are cutting edge.