

CASE STUDY
West Virginia Department of Highways
District 5-Burlington

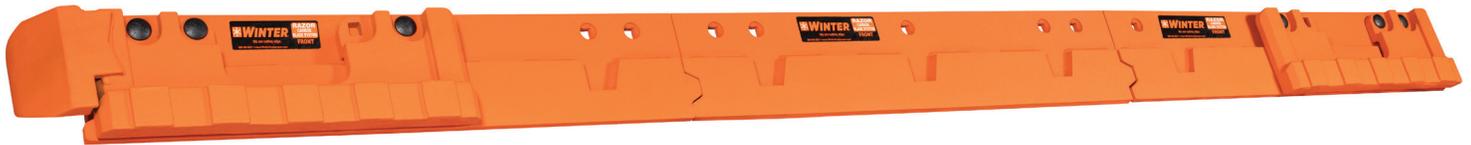
Reviewed and written by Winter Equipment Company



800.294.6837
WinterEquipment.com

RAZOR® XL System

DOT-rated, 3X blade life, engineered to provide best of both cutting power and long blade life.



SAVINGS ANALYSIS 5X Wear Life

\$2,004
Per Truck

\$729 (standard set up) X 5X Wear Life =
\$3,645 - \$1,641 (Razor XL) =
\$2,004 (per truck savings)

\$16,032
Burlington Garage
8 Trucks

\$2,004 (per truck savings) X 8
(number of plows at garage) =
\$16,032 (per garage savings)

\$200,400
West Virginia DOH
100 Trucks

\$2,004 (per truck savings) X 100 =
\$200,400 (UTDOT savings)

Challenge

The West Virginia Department of Highways faces the challenge of removing snow from high mountainous areas with high snowfall as well as lower long stretches of interstate with higher speeds. In a typical winter, it spends 4 to 5 months out of the year plowing at higher altitude and may have the plow down up to 24 hours a day, 7 days a week. Finding a blade that provides high wear life through these unique variables has proven to be difficult. The West Virginia road composite is primarily concrete.

Solution

The Burlington garage began testing the Razor XL during the 2015-2016 winter season. The Razor XL System was running alongside the Joma and carbide blade with two plow guards.

The blade proved to last **5X longer** than its standard carbide and guard set up. Additionally, the Razor XL was able to perform without damage over bridge joints. While the Joma also demonstrates high wear life, it's not able to manage routes with bridge joints without damage.

Key Advantages

The HammerHead® Bullnose Carbide insert allows for multiple attack angles. The Wear Bars are encased with Winter Carbide Matrix® totaling 56 lbs. of carbide protection.

NOTE: Does not include downtime cost. The Winter Equipment Company manufactures wear systems that can last up to a complete season. Each customer's experience will vary depending on wear factor expectations, weather, operator use, and other variables.

OTHER DOT USERS:

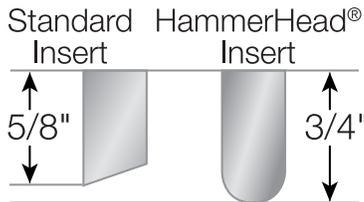
Indiana Toll Road, Oklahoma Turnpike Authority, Kentucky Transportation Cabinet, Utah Department of Transportation, Wyoming Transportation Department

Razor® XL is built to last 3Xs longer than your standard carbide, steel-covered blade — we guarantee it.



RAZOR® XL System

DOT-rated, carbide insert blade system.



**29%
MORE CARBIDE**



Profile View



Rear View

FEATURES & BENEFITS

Increased Blade Life

Bullnose HammerHead™ carbide inserts and Winter® Carbide Matrix™-filled cast steel wear bars.

High Wear Protection

Two PlowGuard MAXX™ of your choice to defend against uneven and premature wear, where you need it most.

Superior Cutting

Aggressive blade cuts through packed snow and ice leaving your roads clear and minimizes your salt and chemical treatment.

Multiple Attack Angles

Bullnose HammerHead Inserts perform on most attack angles.

FREE freight! Arrives in an easy-to-inventory crate.

ONE PART NUMBER INCLUDES:

Three Razor XL Blade Sections

Two PlowGuard MAXX

Grade 8 Hardware

BEST USED



Roads: Concrete, chip-seal, asphalt roads

Speed: Low, medium, high speed

Plow Type: Front reversible, one-way, wing and tow plows

Angle of Attack: 65° - 90°



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Our quality impacts and protects what matters most, people! Call us today.

800.294.6837 | WinterEquipment.com