

CASE STUDY

Utah Department of Transportation
District 1-Ogden

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 4X Wear Life

\$2,759

Per Truck

\$1,100 (standard set up) X 4X Wear Life =
\$4,400 - \$1,641 (Razor XL) =
\$2,759 (per truck savings)

\$60,698

Ogden Garage
12 Trucks/22 Plows

\$2,759 (per truck savings) X 22
(number of plows at garage) =
\$60,698 (per garage savings)

\$275,900

Utah DOT, 100 Trucks

\$2,759 (per truck savings) X 100 =
\$275,900 (UTDOT savings)

Challenge

The Utah DOT- Ogden garage struggles with wear life as a result of high accumulation in the mountain region and repeated snow events. Its blade assembly consisted of a carbide insert blade, steel cover, and two plow guards. Primarily, Ogden removes snow from high-speed highway roads made of concrete and asphalt.

Solution

Testing of the Razor XL began in November of 2016. They were installed on 4 of the 22 trucks in their fleet. After experiencing favorable results regarding wear life, Ogden decided to purchase 4 additional systems in January of 2017.

Over the course of just a couple of months, the Razor XL proved to last **3X-5X longer** than its standard carbide insert blade, steel cover blade, and plow guard stack.

Moving forward, Ogden, along with other Utah DOT locations, will be converting to the Razor XL.

"The Razor XL is outlasting our standard set up on average of 4X. We just purchased 53 additional sets."

Jason Stimpson, UDOT Region 1 Area Supervisor

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:

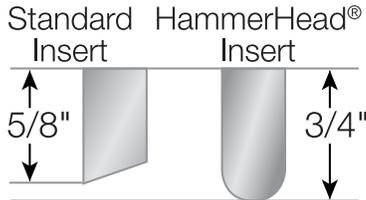
Indiana Toll Road, Oklahoma Turnpike Authority, Kentucky Transportation Cabinet, State of West Virginia DOT, Wyoming Transportation Department

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.

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