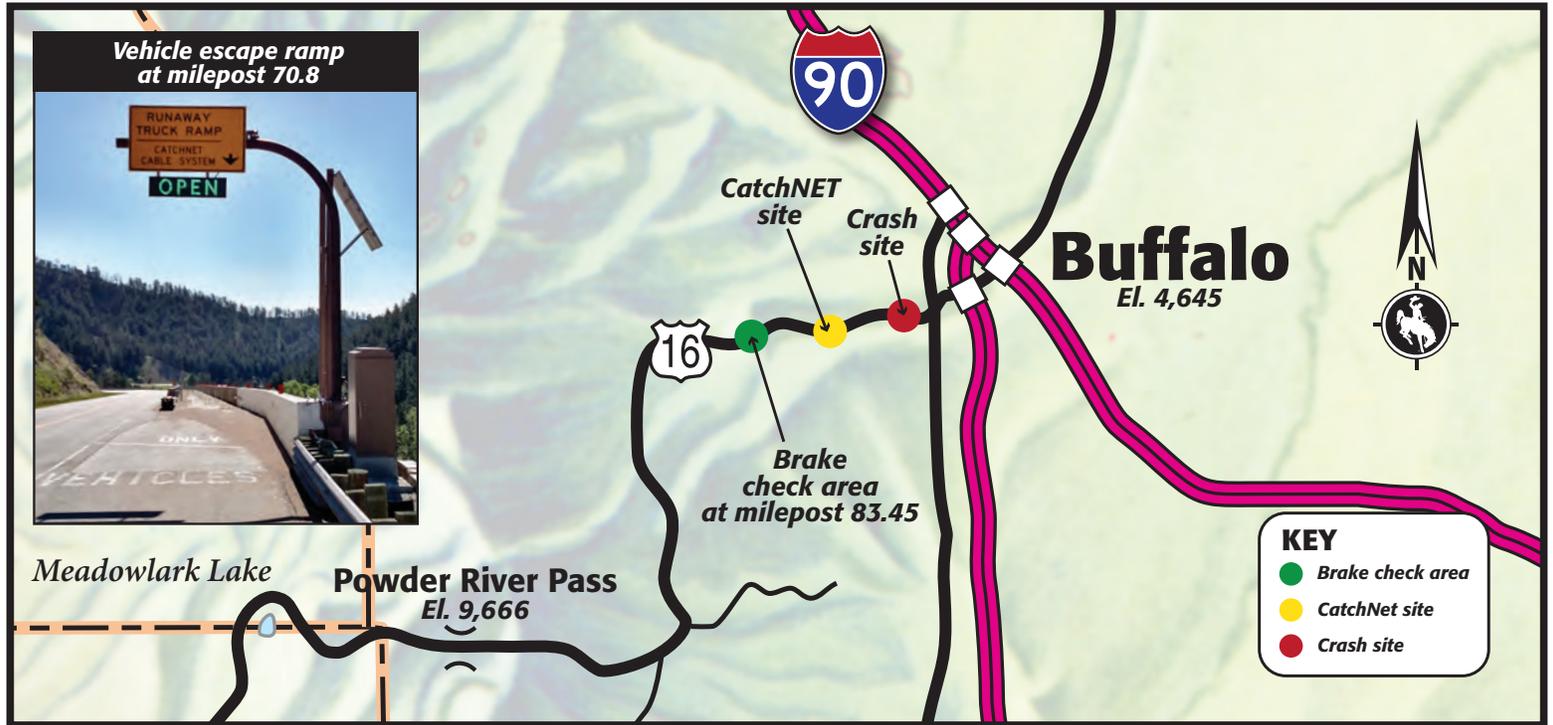


# Runaway Vehicle Arrestor

## US 16 between Worland and Buffalo

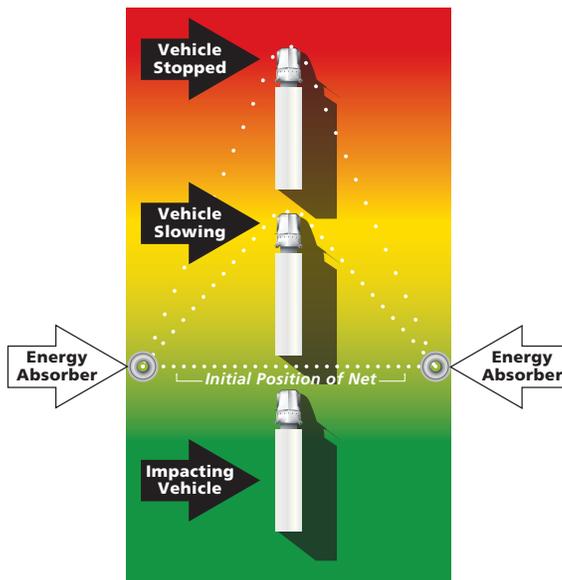


## About CatchNET

The US 16 runaway vehicle ramp with the CatchNET system is comprised of three energy-absorbing nets set up along the walls of the escape ramp. The array of nets is arranged to stop the vehicle in the distance allowed, while minimizing the deceleration forces. The energy absorbers are mounted within the concrete walls of the ramp.

The variables involved with determining the stopping distance and 'g' load response of a system are vehicle weight, vehicle speed and net width. CatchNET systems have been designed to stop a wide range of vehicles weighing up to 90,000 pounds and traveling up to 90 mph.

A 4,500-pound vehicle hitting a 30-foot wide net at a speed of 62 mph will stop in approximately 83 feet with an average deceleration of approximately 1.6 g's.



CatchNET's energy absorbers use a patented "metal bender" principle for absorbing energy, which provides the means to stop vehicles of varying weights and speeds. The absorbers are primarily comprised of a chamber, a length of metal tape and a series of offset pins.

As the metal tape is pulled through the series of offset pins, the tape is bent back and forth beyond its yield point. The process of bending the metal beyond its yield point is the principal mechanism for absorbing the energy of impact.

The absorbers utilize few moving parts, making them virtually maintenance free. Following an arrestment, the system can be quickly returned to service by replacing the metal tapes with minimal time and effort.

	Trucks & RVs	Injuries	Fatals
Used CatchNET	6	0	0
Bypassed CatchNET and crashed	5	1	4