Protect, Direct, and Inform

What to do with hazards...

Accidents will never go away!

We all make mistakes

March 25, 2003
Road Safety is like a 3 legged stool.

ALL 3 LEGS ARE NECESSARY
OR THE STOOL IS USELESS

The Three Legs of Roadway Safety Are:
The Driver

The Three Legs of Roadway Safety Are:
The Car

The Three Legs of Roadway Safety Are:
& The Road
Each leg is critical for roadway safety

The Driver
The Car
& The Road

If anyone of the legs is not safe...

The Driver
The Car
& The Road

The result could be a disaster!

Today we will focus on...

The Road

What to do with road hazards

Protect, Direct, Inform

Although 400,000 to 700,000 people are killed on the roads around the world each year, it takes the death of someone famous or close to you before anyone pays attention...
Approximately 1/3rd of these fatal accidents, are single vehicle, non-pedestrian accidents.

TODAY’S EXCELLENT HIGHWAYS USE TODAY’S TECHNOLOGY...

In the beginning...

No matter where in the world the road is located...

Hazardous areas will exist!
The satellite dish is safe, but what about this post?

What is this supposed to do?

If these sites are not properly treated...

...
WHY DO DRIVERS MAKE MISTAKES?

DRINKING & DRIVING

DISTRACTIONS

"I HAVE TO HANG UP NOW, I'M CRASHING!"
The best solution is to...
ELIMINATE THE HAZARD

This could be the most expensive option ...
especially on an existing road

IF IT IS NOT POSSIBLE TO
ELIMINATE THE HAZARD . . .
MOVE THE HAZARD AWAY FROM THE ROAD

ACCORDING TO AASHTO . . .
The best solution is to...
ELIMINATE THE HAZARD

THAT'S THE PROBLEM!
SO WHAT CAN YOU DO ABOUT IT?
A breakaway device makes the rigid object less rigid, allowing the car to pass through.

If it's impossible to eliminate the hazard...

If it's impossible to move the hazard, and...

If it's impossible to make the hazard breakaway, then...

Protect: The motorist from the hazard
Direct: The motorist away from the hazard
Inform: The motorist of the hazard
A crash cushion is like a parachute for your car

The first crash cushions were very simple

The concept was improved

Plastic replaced the steel
MAINTENANCE DEPARTMENTS

LOVE THESE SYSTEMS!

Protect

What came first, the post or the terminal?

WHY?
What is this guardrail shielding?

A TOTAL waste of money!

WHY?

WHY?
For God's sake,
DRIVE CAREFULLY!

ANY QUESTIONS?