HELPING DRIVERS GET HOME SAFELY

I-80 in WY is a major corridor for east-west freight movement in the U.S., with very few alternate routes and all located above 6,000 feet in elevation. Truck volume can make up as much as 70% of the traffic stream.

Challenges

High likelihood of dangerous driving conditions:
- Ice and snow-covered roads
- Heavy fog and blowing snow
- High wind events
- Presence of work zones

Consequences

In 1 year period alone:
- 700 commercial vehicle accidents
- 956 non-commercial vehicle accidents
- 3,832 hours road closures

1,500+ crashes in 1 year:
- 18 fatalities
- 271 injuries
- 1,317 property damage

Cost to society in 1 year:
- $865.3 million

WYDOT is using connectivity between vehicles and infrastructure to better inform travelers on I-80.

What does connectivity mean?

En-route hazard awareness:
Using Dedicated Short Range Communication (DSRC) capability between vehicles and roadside infrastructure to provide new applications to support driver awareness.

Vehicle to vehicle:
- Forward collision warning
- Distress notification

Vehicle to infrastructure:
- Alerts and advisories
- Road weather warnings

What does this mean for you?

Plan your trip better:
- Road closures
- Road weather forecasts
- Restrictions

Know what’s ahead on the road:
- Crash reported ahead
- Slow-moving snow plow or vehicle stopped ahead
- Work zone
- Reduce speed ahead
- Road conditions

Make better decisions while driving:
- Parking and detours
- Reduces speed
- Stop safely

Goal

Reduce crashes and crash severity on I-80.

Learn more about the future of safer driving: dot-cvpilot@wyo.gov

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