

Trinity Cable Safety System CASS S3

Highway 16 (14 km east of Vermilion)

Installed September 2011

Evaluated on March 6, 2012 (after collision)

Summary

The Trinity Cable System CASS S3 has been hit twice this winter.

The first hit was by a passenger vehicle on February 5, 2012. The vehicle took out 12 posts and was re-directed back onto the road after the collision.

The second hit was by a tractor trailer on March 1, 2012. The tractor trailer took out 22 posts and was also re-directed back on to the road after the collision. The tractor trailer did flip on to its side due to the driver cranking on the steering wheel (according to Vermilion office).

The turn around time to replace the broken posts for the first collision was 4 hours.

Cable Barrier vs W-beam Guardrail

1. No snow drifts to contend with when using Cable Barrier
2. Quick turnaround after a collision with cable barrier
3. It took only 4 hours to replace 24 posts and tension cable
4. W-beam Guardrail of the same length would have taken 1 day during summer months or 1.5 days in winter

Overall the Cable Barrier at this location has been a success.

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See photographs below:



22 posts have been taken out



Broken Post



Cable lying on ground





More broken posts



Cable is out of steel hooks