

The high speed/environmental snow plow

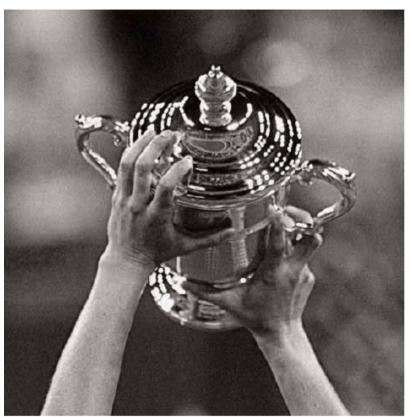
Is it possible to remove snow at 50mph and be effective?

9th of February 2010















The Road to Excellence

A new, international challenge between national road managers



Main issues

- □ Technology
- ☐ Traffic safety
- □ Environment
- ☐ Cost savings



Technology





Technology





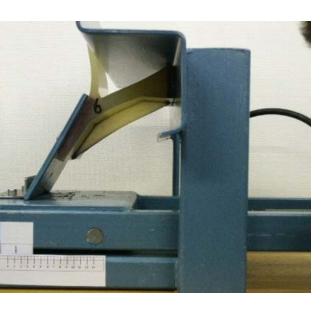
Technology

- ☐ Lighter
- ☐ Different types of wheels
- ☐ Flexible cutting edge holders

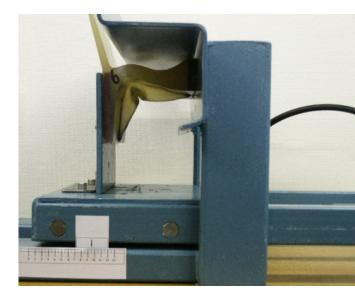




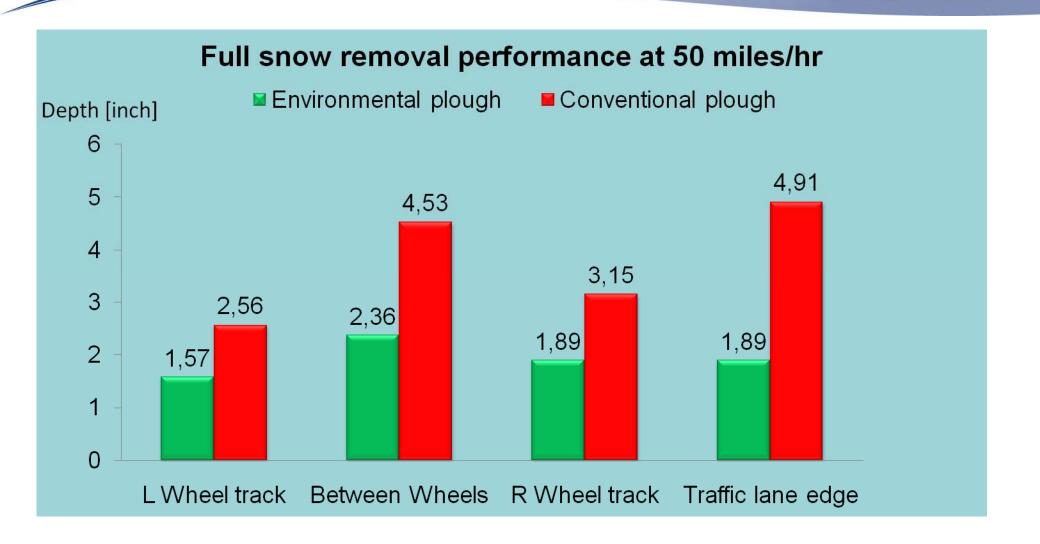
Cutting edge holders





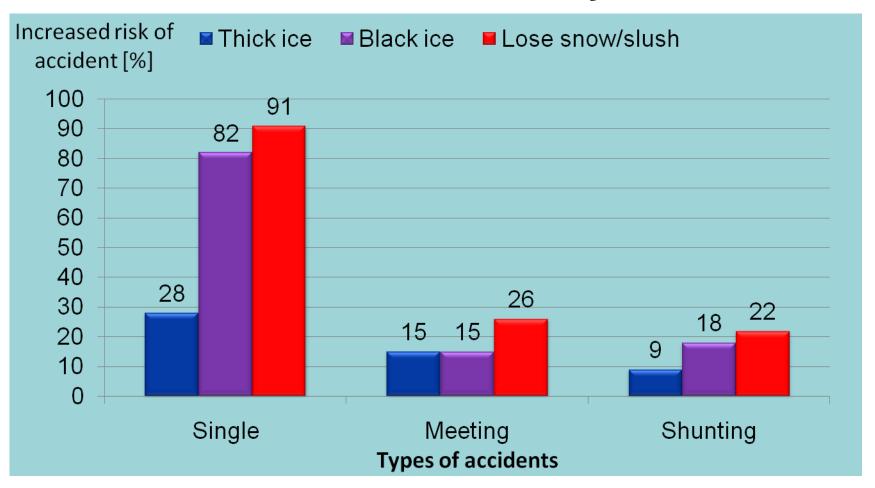




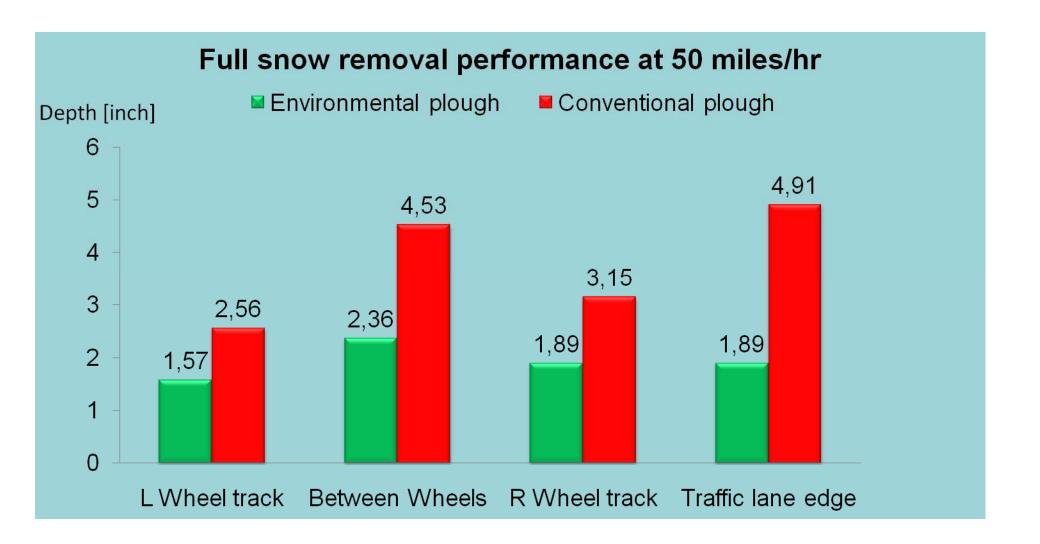




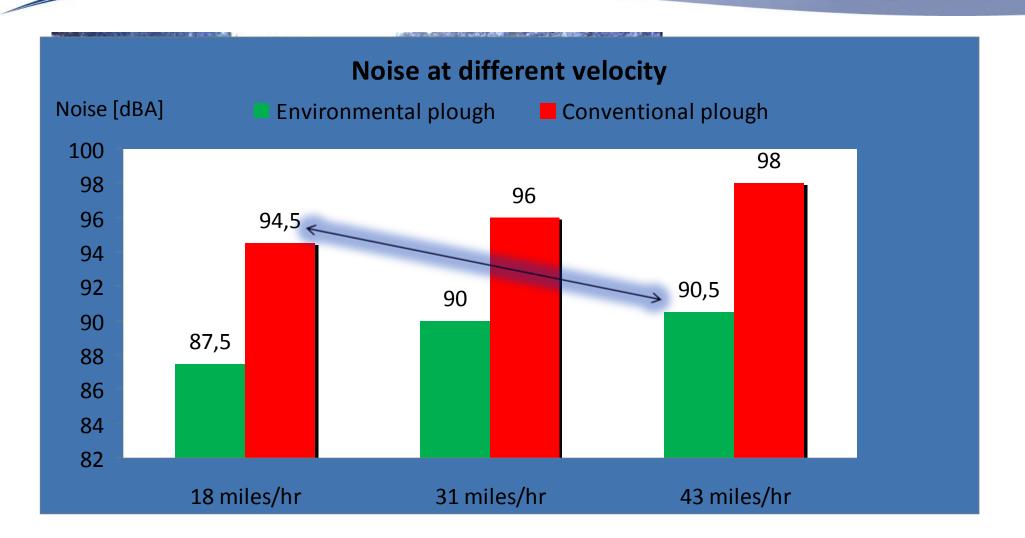
Traffic Safety













Environment

- ☐ Less NaCl2 required
- Reduced noise pollution
- \square Reduced CO_2 emissions



Fuel consumption

- ☐ Snow plough: 10 % saving
- ☐ Other road vehicles: 10-11 % saving



Cost savings

- ☐ Likely decreased maintenance of road markings
- □ 120 000 €/ operational area and year (140 areas)



Projected cost savings

- ☐ Lower personnel costs (37 %)
- ☐ Fewer contracted vehicles (37 %)
- ☐ Fewer salt-spreaders and ploughs (37 %)
- ☐ Reduced cutting edge wear (80 %)

120 000 €/ operational area and year (140 areas)



Summary

- ☐ It is possible to remove snow at 50 mph the finish
- is very good
- □ Save costs (120 000 €/area and year)
- ☐ Increasing traffic safety
- □ Better environment



Thank you for your attention.

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