

SIZE OF SNOW CLOUD RELATED TO VEHICLE
STRUCTURE

KEISHI ISHIMOTO 1), YOSHIFUMI FUKUZAWA 1),
KOUICHI YOSHIDA 2)

1) Civil Engineering Research Institute, Hokkaido Development Bureau
Hiragishi 1-2, Sapporo 062 Japan

2) Machinery division, Hokkaido Development Bureau

Abstract

Visual information the driver can get is indispensable to keep safe driving. In addition to blowing snow, Vehicle - generated snow cloud reduces visual range. Size of snow cloud depends on vehicle speed and vehicle structure. Snow cloud by improved by an improved truck was compared with an unimproved one at the same time on a highway. Duration of reduced visibility below 100 m by an unimproved truck continued for 10 seconds, but one moment by improved one.