

SNOW PLOW TRUCK CAB ERGONOMICS

Dan Peterson (author) and Eugene P. Valley (presenter)
Minnesota Department of Transportation

SUMMARY

A task force was organized by the Minnesota Department of Transportation in the Fall of 1992 and charged to improve snowplow truck ergonomics in the cab environment. The objective of the effort was to design an ergonomically correct snowplow truck cab that was cost-effective and efficient. The activities of the task force included a literature search, a search for products and ideas, and the formulation of proposals for implementation. The general areas addressed included visibility (mirrors, windshield and lighting), controls (accessories, levers, steering wheel, shift stick and warning systems), and comfort (climate control, noise and seats). The task force made recommendations in each of these areas and in the development of training programs on snowing plowing, winging, and sanding operations. The final report was entitled, "Snowplow Truck Cab Ergonomics Task Force Report" (MN/MO-93/06), and published by the Minnesota Department of Transportation, St. Paul, Minnesota in August 1993.