

**Road Weather Management Program
Best Practices for Road Weather Management**

PUBLICATIONS LIST

TITLE:

ADVANCED VEHICLE CONTROL SYSTEMS (AVCS) FOR
MAINTENANCE VEHICLE APPLICATIONS

ABSTRACT:

Highway maintenance operations most suitable for the application of AVCS are snow removal and work zone following by a shadow vehicle. This study explores opportunities for AVCS-based snow removal and work zone following vehicles. A description of these operations, and their suitability for the application of AVCS is presented. Previous and on-going work related to vehicle automation for these operations is introduced, along with recommendations for the future, based on an assessment of technical feasibility of AVCS and the attitudes of the highway and airport maintenance communities towards this technology.

SOURCE(S):

<http://ahs.volpe.dot.gov/avcsdoc/p1report.pdf>

Keyword(s):

Winter maintenance, Vehicle guidance