



Highway Maintenance Manual

Bureau of Highway Maintenance

Chapter 02 Administration

October 2025

Section 20 Eligible Costs

Subject 95 Automatic Vehicle Location – Global Positioning System (AVL-GPS) and Sensors

1.0 Cost Reimbursement and Invoicing ID and Activity Codes

Funding for the MDSS/AVL-GPS is budgeted for under the Winter Readiness reimbursement, [HMM 02-20-70](#).

2.0 Cost Reimbursement and Invoicing of Equipment

To be eligible for reimbursement, the AVL-GPS vendor that is selected by the service provider must already and continue to have data integrated with the Maintenance Decision Support System (MDSS) so WisDOT will be able to view the data.

The minimal configuration for all trucks AVL-GPS equipped used on the state maintained highways installed with AVL-GPS will include:

Equipment or Service
AVL-GPS Unit
Pavement Temp Sensor
Auger Sensor
Plow Sensor
Flow Sensor **
Gate Sensor ***

**Not needed for all controller types

*** Needed for hopper, muni or flow and dump truck configurations

Rates: If the selected AVL-GPS provider meets all the above requirements, the service provider shall be reimbursed through the winter readiness payment. The reimbursement amount will vary annually depending on available funding. For plow trucks less than 100 percent dedicated to a plow route on the state highway system, the total reimbursement will be proportionate to the percentage the truck is on the state route.

Optional Equipment: Optional equipment (wing sensor, underbody plow sensor, trucks data terminal, material presence sensor, and monitors) beyond the minimal configuration described above and approved for installation will be maintained throughout the life of the equipment.

Invoicing: Invoicing of AVL-GPS shall be included with regular monthly construction invoices to WisDOT regions.