

3M Intelligent Transport Systems

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Key personnel

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Products

Bus guidance systems. 3M is developing a magnetic level indication system to help drivers with precise docking and manoeuvring situations as well as low- and high-speed guidance along dedicated rapid transit bus lanes.

The system under development consists of magnetic lateral warning and guidance tape installed on the road and an onboard sensor and display mounted in the vehicle. Once the sensor detects the magnetic tape, the lane location is displayed to the operator allowing the bus to be brought tight against the kerb. Future development will allow onboard mechanics to take over bus control to facilitate precision docking or to guide the bus along a dedicated rapid transit route.

It was first used for snowplough guidance in Minnesota.