



H A N O V E R S C H O O L D I V I S I O N

New Transportation Initiatives

Using technology to enhance rider safety, bus security, route efficiency, and assist in fleet management.

The Hanover School Division believes that the safety and personal security of the 5,000 children who ride our buses, are the first priority of student transportation. With over 100 bus routes, travelling an estimated 2.5 million kilometers per year, our buses play an important role in providing safe transportation to and from our schools.

Parents put their trust in HSD to get their children to and from school safely, in an efficient manner. We take that responsibility very seriously. The Hanover School Division is committed to providing the safest transportation system possible for all students within our division.

The new HSD transportation initiatives will serve to enhance rider safety, bus security, route efficiency, and assist in fleet management. This will be accomplished primarily through the use of three technologies; GPS, Video, and Radio Frequency ID Cards.



For additional information regarding these new transportation initiatives, please view our website at www.HSD.ca or contact the HSD Transportation Department at:

HSD Transportation Department
360 Fourth Street, Steinbach, MB.
Tel. 204-320-2347

Director of Transportation
Robert Warkentin rwarkentin@hsd.ca

Supervisor of Transportation
Pearl Knutson pknutson@hsd.ca

ACCURACY. KNOWLEDGE. SAFETY.

GPS Monitoring of HSD Buses

A GPS vehicle tracking system will improve route efficiency, scheduling, and provide valuable data for fleet management. For the purposes of safety and security, the whereabouts of your child's school bus can be known by HSD at all times. This technology also allows for the future integration of mobile apps, to provide parents/guardians with direct access to real-time information that includes location data, anticipated delays, and arrival

Surveillance Video Cameras on Buses

As much as school divisions can prepare for emergencies and challenges, not every situation is predictable. Video footage from bus cameras provide record of what students are experiencing during transit. This passive video monitoring can be of benefit, as situations arise. Video cameras also allow our bus drivers to stay focused on driving safely - without attempting to drive and visually monitor seating area at the same time.

Student Ridership System

Utilizing GPS technology along with RFID swipe cards can provide an additional layer of safety for bus riders. This system will confirm when students board the bus, and when they leave it. The cards will also track when students miss the bus, ride the wrong bus, or miss their stop. RFID technology also provides immediate positive identification for who is on-board a bus in the event of an emergency. The Student Ridership System will be implemented as pilot project on a select group of 2-3 bus routes. This trial phase will allow for assessment of benefit, prior to making a decision to implement division-wide.

Implementation Schedule & Cost

To ensure cost-effective allocation of resources, the HSD Transportation Initiatives are scheduled to be phased in over a three year period.

For the 2016-17 school year, all buses (86) will be fitted with GPS tracking, 25 buses will have video cameras installed, and a select number of existing bus routes will be included in a small pilot project for the Student Ridership System.

YEAR ONE

- October 2016**
GPS Installed on all Buses
- January 2017**
Surveillance Video Cameras
Installed on 25 Buses
- March 2017**
Student Ridership Pilot Project
Activated on Select Bus Routes

YEAR 2 AND 3

In subsequent years, video cameras will be added to the remaining buses, along with the potential expansion of the Student Ridership System to all bus routes.

Even with the addition of these initiatives, HSD continues to have among the lowest per-pupil transportation costs in the province.



HSD continues to have among the lowest per-pupil transportation costs in Manitoba.

www.hsd.ca