

# Intelligent Transportation Systems



With a view to helping clients optimize the capacity of existing infrastructure, Morrison Hershfield offers a wide range of Intelligent Transportation Systems (ITS) services, ranging from the development of conceptual and business plans through to detailed engineering and deployment. Our solutions aim to minimize risks and maximize the benefits of ITS implementations, and comply with National ITS Standards to allow for future expansion and interoperability between ITS systems.

Services include:

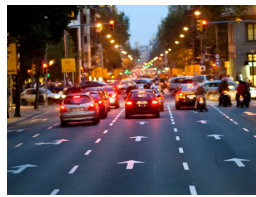
- **ITS architecture development**
- **ITS business and operational planning**
- **Emergency preparedness evaluation**
- **Traveler information systems**
- **Transit priority systems**
- **Control centers**
- **ITS data networks**
- **Mission critical structures**
- **Power systems**
- **Wireless and wireline communications**
- **ITS procurement and implementation support**
- **Software development and acceptance testing**
- **Static and variable message signage**
- **Traffic management systems**
- **Traffic counting systems/loop detectors**
- **Ramp metering and traffic queuing management systems**



Advanced Traveler Information System Pilot Project



Transit Priority Treatments



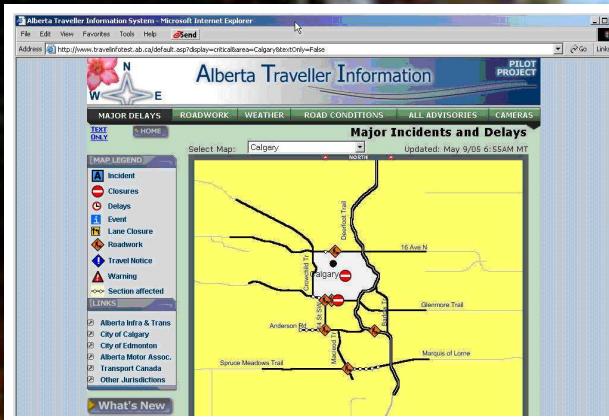
Multi-Modal Traveler Information and Pre-Trip Planning Tool



Transit Control Centre

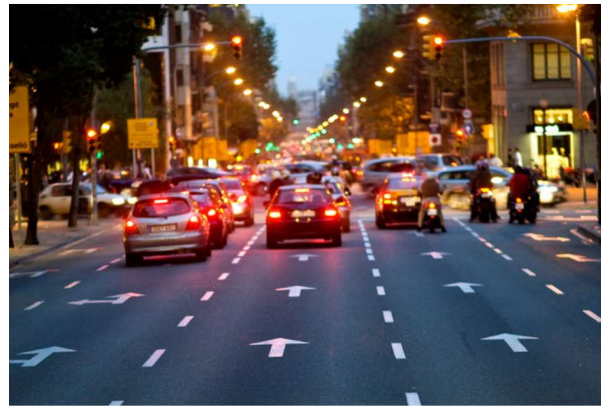


Road Weather Information System (RWIS) Business Plan



## Alberta Condition Acquisition and Reporting System (CARS) Pilot

In association with Castle Rock Consultants, we undertook a pilot project to explore the feasibility and benefits of deploying the Condition Acquisition and Reporting System (CARS) in the province of Alberta. CARS is an Advanced Traveler Information System (ATIS) that has been applied in ten U.S. State Departments of Transportation (DOTs). The assignment was undertaken for Transport Canada, Alberta Infrastructure & Transportation and the cities of Calgary and Edmonton.



## Multi-Modal Traveler Information and Pre-Trip Planning Tool

This project involved the development of a web-enabled travel time comparison tool to provide travelers within the Greater Toronto Area with the ability to compare in-vehicle travel times on the commuter train network and freeway network. The tool is considered to be an important first step in demonstrating the feasibility and economic value of an Advanced Traveler Information System (ATIS) in an urban context. The project was undertaken for Transport Canada and GO Transit.