

## CAMERAS FOR THE OLYMPIC ROAD

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City officials from Seoul, South Korea, are to use the Autoscope wide area video vehicle detection system for a large multiphase freeway transportation management project in the city. The first phase of the project will cover 18km of an eight-lane Olympic Road highway from the airport to the downtown area of Seoul.

### The Olympic Highway Traffic Information System

The management system is designed to monitor the freeway traffic as well as manage and control day-to-day traffic. Autoscope will provide average vehicle speed, volume and occupancy data, while the system's incident detection algorithm will detect incidents on the freeway. The data and



live video signals will be transmitted to the city's traffic management centre via fibre optic lines. Special purpose custom application software will poll each of the Autoscope Machine Visions Processors (MVPs) every 30 seconds through the ScopeServer communication server. Processed data will then provide estimated travel time, and Changeable Message Signs (CMS) will display this information to motorists.

## The Olympic Road Highway



### The Olympic Road Highway

The initial phase of the project includes 34 cameras and 17 two-camera Autoscope MVPs. KIA Information Systems Company, Ltd, the Autoscope distributor in Korea, received the contract in December 1996, with construction commenced earlier this year. The Autoscope equipment was installed in May. Representatives from KIA and Seoul City officials visited Atlanta's Advanced Traffic Management System (ATMS) featuring 57 Autoscope MVPs and 316 cameras. The Atlanta ATMS, conceived by the Georgia DOT, has more than 100 miles of fibre optics and covers more than 60 miles of freeway with cameras, CMSs, information kiosks, and highway advisory radios.

The Korean delegation chose to visit GDOT because the Atlanta ATMS is the world's largest integrated installation of traffic technologies. There are also many similarities between it and the Seoul Olympic Road project.

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