

## MONITOR Freeway Traffic Management System

Freeway Traffic Management Systems (TMS) keep traffic flowing. They include such things as closed circuit television cameras (CCTVs), traffic detectors and ramp meters. When linked with traveler information systems, they are integral components of a coordinated traffic incident management program.

The Freeway Traffic Management System in southeastern Wisconsin is referred to as MONITOR. MONITOR includes CCTVs, ramp meters and traffic detectors, and is located in a state-of-the-art Traffic Operations Center in downtown Milwaukee. Information gathered from throughout the freeway system is constantly relayed to the center. The data is analyzed and used to alert emergency vehicles, adjust ramp signals and to inform motorists. These components working together are designed to improve the safety and efficiency of the southeast Wisconsin freeway system by reducing crashes and relieving traffic congestion.



By the year 2003, MONITOR included over 130 miles of freeway system equipped with 250 detection sites and more than 90 CCTVs. Over 100 ramps have meters and 80 percent of the ramps have high occupancy vehicle or carpool bypass lanes that provide quicker access for vehicles with multiple occupants. MONITOR also uses 21 freeway changeable message boards, 13 arterial changeable message boards, 4 portable changeable message boards, 5 Highway Advisory Radio sites, and 4 portable radio sites.

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