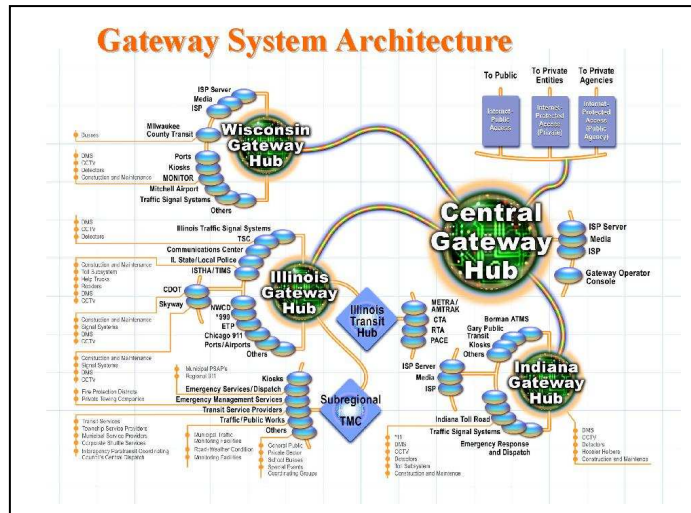


## Gateway Traveler Information System

The Gateway Traveler Information System is the core system that facilitates the integration and interoperation of ITS within the urban GCM Corridor. Gateway collects transportation related information from geographically dispersed systems validates and fuses the information collected, and disseminates it to public and private partners and the general public at [www.gcmtravel.org](http://www.gcmtravel.org). The information handled by the Gateway includes

both incidents and planned events that affect traffic operations; data from field devices such as vehicle detectors, cameras, variable message signs, highway advisory radio, and weather sensor stations; as well as derived traffic measures such as congestion, travel times, and speeds. Gateway interfaces with traffic management centers, transit operators, emergency dispatch centers, police and fire departments, weather systems, and traveler information service providers. The foundation of the Gateway is the Common Object Request Broker Architecture (CORBA) for Center-to-Center (C2C) communications. The object-oriented Gateway is based on ITS standards such as the Location Reference Message Sets (LRMS), the Traffic Management Data Dictionary (TMDD), the Message Sets for External Traffic Management Center Communications (MS/ETMC2), and other emerging ITS standards. The Gateway system design has pioneered the effort to develop a full set of CORBA-based corridor-wide standards to support C2C Advanced Transportation Information Systems. Currently, the Central Gateway and Illinois Gateway hubs integrate GCM and Illinois ITS components, Indiana and Wisconsin hubs will be added in the future. Gateway is expected to become an increasingly important tool to link the many ITS projects in the corridor into a statewide infostructure network for each state.



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