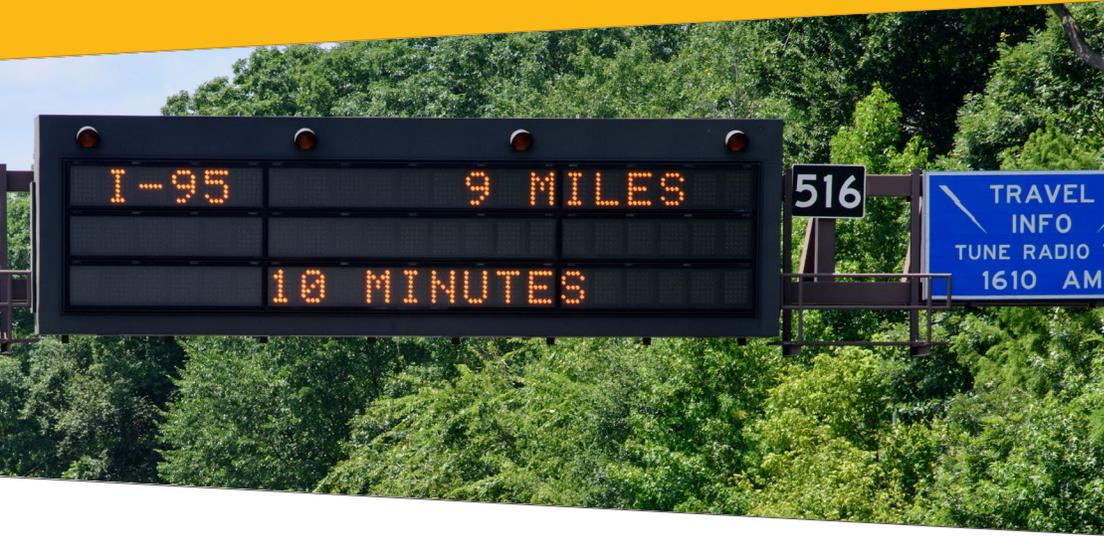


Integrated Corridor Management

Coordination among facilities and modes in a transportation system to improve the efficiency of travel along corridors.



TRANSPORTATION NEEDS ADDRESSED

- CAPACITY & DEMAND
- TRAVEL TIME
- RELIABILITY
- MOBILITY
- SPECIAL EVENTS
- SAFETY
- MULTIMODALITY
- WORK ZONES
- ENVIRONMENTAL IMPACT
- INCIDENT RESPONSE

COST MAGNITUDE

- CAPITAL COST
- OPERATION AND MAINTENANCE COST

WHEN TO CONSIDER THIS STRATEGY

- MULTI-MODAL CORRIDORS WITH RECURRING AND NONRECURRING CONGESTION.
- CORRIDORS WITH MULTIPLE MODE CHOICES (VEHICLE, BUS, RAIL, BICYCLES, ETC.)

COMPLIMENTARY STRATEGIES

- ADAPTIVE RAMP METERING
- CONGESTION PRICING
- MANAGED LANES
- TRAFFIC SURVEILLANCE
- SMART SIGNALS
- TRAFFIC SIGNAL COORDINATION
- HOMELAND SECURITY PREPAREDNESS
- TRAVELER INFORMATION
- SMART WORK ZONE
- WORK ZONE MANAGEMENT

HOW WILL THIS HELP?

- Improves mobility by giving travelers real-time information on the travel conditions of parallel freeways, arterials, train service, and bus routes.
- Distributes demand and encourages travelers to choose the high way facility or transportation mode that will get them to their destination the fastest.

HOW DOES IT WORK?

- Transportation and public transit agencies share data and use public communication strategies to steer travelers toward parts of the transportation system that have available capacity.
- Agencies disseminate traveler information to manage demand.
- Planners consider what tasks transportation personnel will be expected to undertake and how they should be trained to meet those expectations.
- Required tool sets include traffic sensors, traffic surveillance, dynamic message signs, smart signals, and signal coordination.

CONSIDERATIONS

- + PROVIDE TRAVEL TIME INFORMATION FOR ALL AVAILABLE MODES OF TRANSPORTATION.
- + DEVELOP INTER-AGENCY MAINTENANCE AND OPERATIONS STANDARDS OR AGREEMENTS.
- + PLACE DYNAMIC MESSAGE SIGNS IN ADVANCE OF THE POINT ON THE FACILITY WHERE A DRIVER CAN USE THE INFORMATION TO MAKE A MODE CHOICE DECISION.
- + BUILD RELIABLE REAL-TIME DATA COLLECTION SYSTEM.
- + ADDRESS THE NEED FOR SOFTWARE ENHANCEMENTS.