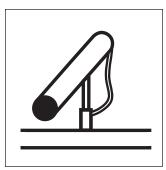
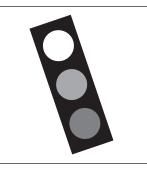


## **Arterial Management Systems**



Traffic Surveillance



Traffic Control



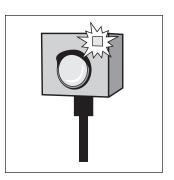
Lane Management



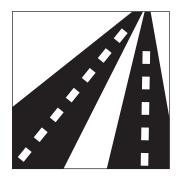
**Parking Management** 



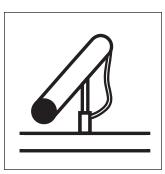
**Information Dissemination** 



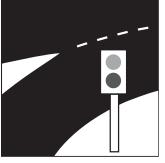
Enforcement



#### **Freeway Management Systems**



Traffic Surveillance



Ramp Control



Lane Management



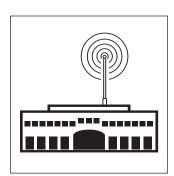
Special Event Transportation Management



Information Dissemination



Enforcement



Transportation Management Center



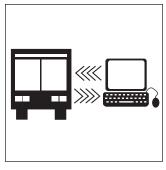
#### **Transit Management Systems**



Safety and Security



Transit Demand Management



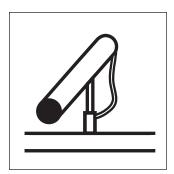
Fleet Management



Information Dissemination



## **Incident Management Systems**



Surveillance and Detection



Mobilization and Response



Information Dissemination



**Clearance and Recovery** 



## **Emergency Management Systems**



**Hazardous Materials** 



Emergency Medical Services



Response and Recovery



# **Electronic Payment Systems**



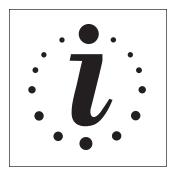
**Toll Collection** 



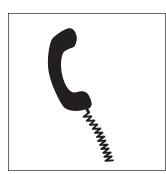
**Transit Fare Payment** 



Multi-use Payment



## **Traveler Information**



**Pre-trip Information** 



**En-route Information** 



**Tourism and Events** 



# **Information Management**



Data Archiving



## **Crash Prevention and Safety**



Road Geometry Warning Systems



Highway-rail Crossing Systems



Intersection Collision Warning



**Pedestrian Safety** 



**Bicycle Warning Systems** 



Animal Warning Systems



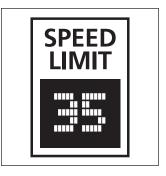
## **Roadway Operations and Maintenance**



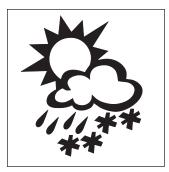
Information Dissemination



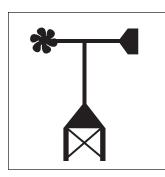
Asset Management



Work Zone Management



## **Road Weather Management**



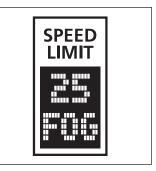
Surveillance, Monitoring and Prediction



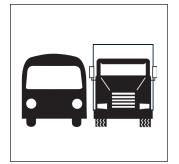
Response and Treatment



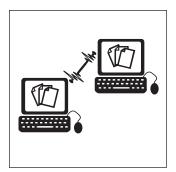
Information Dissemination



**Traffic Control** 



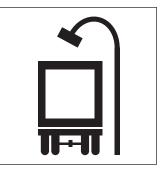
## **Commercial Vehicle Operations**



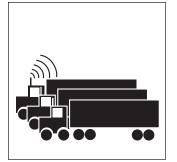
Credentials Administration



Safety Assurance



**Electronic Screening** 



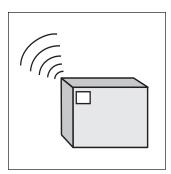
Carrier Operations and Fleet Management



Security Operations



## **Intermodal Freight**



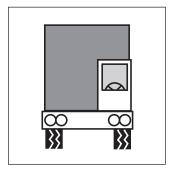
Freight Tracking



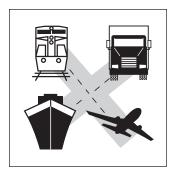
Asset Tracking



Freight Terminal Processes



**Drayage Operations** 



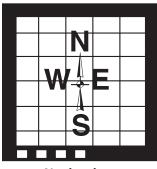
Freight-Highway Connector System



International Border Crossing Process



#### **Driver Assistance Systems**



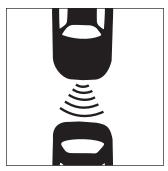
Navigation



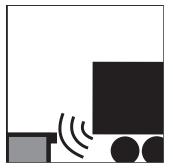
**Driver Communication** 



**Vision Enhancement** 



Intelligent Cruise Control



**Precision Docking** 



Speed Control



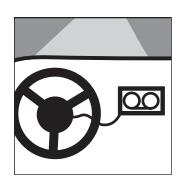
Coupling-Decoupling



Guidance/Steering Assistance



**On-board Monitoring** 



Safety Event Recorder



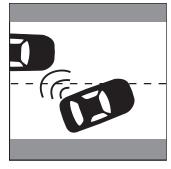
## **Collision Warning Systems**



Intersection Collision Warning



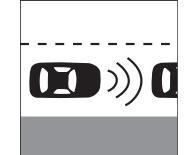
**Obstacle Detection** 



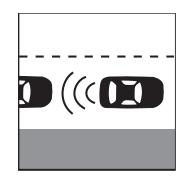
Lane Change



Road Departure Warning



Forward Collision Warning



**Rear Impact Warning** 



# **Collision Notification Systems**



Advanced Automated Collision Notification (ACN)



Mayday (ACN)