2007 Freeway Management Survey

SURVEILLANCE

1. **Total number of freeway centerline miles with real-time traffic data collection technologies (DOES NOT INCLUDE CCTV):**

2. **Total number of freeway centerline miles with real-time traffic data collection technologies (INCLUDES CCTV) used to monitor key transportation facilities for security purposes operated by your agency:**

3. **Total number of freeway traffic surveillance detector stations deployed by your agency:**

4. **Total number of vehicle probe readers deployed by your agency:**

RAMP CONTROL

5. **Total number of ramps with ramp metering capability operated by your agency:**

6. **Total number of metered ramps with priority access capability for transit vehicles operated by your agency:**

7. **Total number of metered ramps with preemption access capability for emergency vehicles:**

8. **Total number of ramps with automated ramp closure capability operated by your agency:**

9. **Does your agency deploy automated enforcement technologies to assist with the enforcement of ramp metering compliance?**
   Yes
   No
   No ramp meters

LANE MANAGEMENT

10. **Total number of freeway centerline miles under lane control:**

11. **Total number of freeway High Occupancy Vehicle (HOV) centerline miles equipped with automated lane management technologies (e.g., sensors detecting the traffic conditions support the use of dynamic message signs and moveable barriers (e.g., gates) to control the operation of HOV facilities) operated by your agency:**

12. **Total number of freeway reversible lane centerline miles equipped with automated lane management technologies (e.g., traffic sensors and lane control signs used to implement reversible flow lanes) operated by your agency:**

13. **Total number of freeway centerline miles under congestion pricing and equipped with traffic sensors, electronic payment, or automated enforcement technologies to support the implementation of congestion pricing strategies operated by your agency:**

14. **Total number of freeway centerline miles equipped with lane control signs, supported by surveillance and detection technologies, to allow the temporary closure of lanes by your agency:**

15. **Total number of freeway centerline miles equipped with variable speed limit technologies operated by your agency:**

16. **Total number of freeway centerline miles equipped with lane management measures such as reversible flow lanes and lane control to support emergency evacuations operated by your agency:**

17. **Does your agency deploy automated enforcement technologies to enforce High Occupancy Vehicle (HOV) restrictions on freeways?**
    Yes
    No

18. **Does your agency deploy speed enforcement technologies on freeways?**
    Yes
    No

INFORMATION DISSEMINATION

19. **Please check all the types of information that your agency distributes to the public**
    Freeway travel times:
    Freeway travel speeds:
    Incident information:

20. **Which of the following technologies does your agency use to distribute pre-trip traveler information for freeways? (Check all that apply)**
    Internet or wireless systems
    Pager or personal data assistants
    E-Mail
    511
    Other (non-511) telephone systems
    TV / Radio
    Kiosks

21. **Which of the following technologies does your agency use to distribute en-route traveler information for freeways? (Check all that apply)**
    - Pager or personal data assistants
    - 511
    - Other (non-511) telephone systems
    - Radio
    - In-vehicle systems

22. **Number of centerline miles covered by Highway Advisory Radio (HAR):**

23. **Is your Highway Advisory Radio (HAR) used to broadcast freeway incident information?**
    - Yes
    - No
    - No HAR

24. **Total number of Permanent DMS deployed on freeways:**

25. **Do you use your Dynamic Message Signs to display incident information?**
    - Yes
    - No
    - No, agency does not operate permanent DMS

TOURISM AND EVENTS

26. **Does your agency deploy tourism information traveler systems that focus on the needs (i.e., electronic yellow pages, incorporating lodging reservations systems and directions to points of interest) of travelers in areas unfamiliar to them?**
    - Yes
    - No

27. **Does your agency deploy parking management systems that provide availability status and directional guidance posted on dynamic message signs at major tourism destinations?**
    - Yes
    - No

28. **Does your agency deploy electronic payment systems (i.e., magnetic stripe cards, smart cards, or similar technologies) to facilitate traveler's payment for travel and other services at tourist destinations?**
    - Yes
    - No

29. **Please indicate whether your agency deploys portable transportation management systems to control the impact of congestion at the following locations hosting special events:**

Locations hosting FREQUENT special events (These systems may have some permanently installed components [e.g. DMS, sensors])

Yes
No

Locations hosting OCCASIONAL special events

Yes
No

Locations hosting ONE-TIME or UNUSUAL events

Yes
No

30. **Does your agency deploy temporary Traffic Management Centers (TMCs) or satellite locations for existing TMC to control the impact of congestion associated with special events?**

Yes
No

INTEGRATION

31. **Does your agency receive, in real-time, freeway travel times derived from vehicle probes from any toll collection agency?**

Yes
No
No toll collection

32. **Does your agency receive, in real-time, incident information (e.g., clearance activities, type, severity, etc.) from any Public Safety agency?**

Incident clearance:
Incident severity and type:

33. **Does your agency provide, in real-time, incident information (e.g., type, severity, etc.) and/or freeway information(e.g., travel times, speed, and conditions) to the following types of agencies?**

	a Incident information (e.g., type, severity, etc.)	b Freeway information (e.g. travel times, speed, and conditions)
Freeway Management Agencies:		
Arterial Management Agencies:		
Public Transit Agencies:		
Public Safety Agencies:		

INCIDENT MANAGEMENT

Please provide the miles covered by the following incident detection/verification methods.

34. **Free cellular phone call to a dedicated phone number other than 911:**

35. **Computer algorithms:**

36. **Call boxes:**

37. **CCTV:**

38. **Total number of CCTV cameras deployed on freeways:**

39. **Please indicate which of the following methods your agency uses to detect freeway incidents. (Check all that apply)**
    - Inductive loop or acoustic roadway detectors
    - Wireless enhanced 911 systems
    - Mayday or Advanced Crash Notification systems
    - Traveler reported information

40. **Total number of freeway centerline miles patrolled by service patrols:**

41. **Does your agency use video imaging to assist with data collection at freeway incident scenes to speed the reopening of travel lanes?**
    - Yes
    - No

42. **Does your agency deploy temporary traffic control devices, such as portable message signs and lane control signs, to help ensure the safety of freeway incident scenes?**
    - Yes
    - No

TRANSPORTATION MANAGEMENT CENTER

43. **Does your agency operate a Transportation Management Center (TMC) or Traffic Operations Center (TOC)?**
    - Yes, Center name:
    - No

DOCUMENT LIBRARY KNOWLEDGE RESOURCE

One of our efforts to assist the ITS industry in both project deployment and operation is to provide real-world examples of useful and relevant documents to support ITS-related actions at the agency level. We are collecting samples to use on a web-based inventory of documents that would be available to you and your colleagues as you pursue ITS deployment activities. We consistently hear from the field that having a sample Concept of Operations, a TMC staffing manual, or a copy of state legislation that addressed intellectual property rights, would be extremely useful. So we are asking you to volunteer to share useful sample documents with your

colleagues. Documents, or links to documents, will be available on-line.

To initiate the development of this new ITS knowledge resource, we are asking you if you believe you have some useful documents and would be willing to participate in the effort. We will follow up with those respondents who express interest.

For example, document types that would be useful include:

Checklists of milestones for overall ITS project development or deployment phases, such as ConOps samples
Legislative and Administrative policies that your agency has developed or participated in developing, such as administrative policies on IPR, legislation on public-private partnerships, laws on toll collection enforcement
Procedures and Operating policies, such as location criteria for VMS and TMC Operator handbooks
Procurement Documents and Agreements, such as RFPs, RFQs, MOUs, contract and licensing agreements
Organizations and Committee work, such as ITS project organizational charts, committee roles and responsibilities

44. I think this knowledge resource would be:

Very helpful
Somewhat helpful
Not needed
No opinion

45. Are you interested in participating in the development of a document library knowledge resource?

Yes
No