2007 Arterial Management Survey

SURVEILLANCE INFRASTRUCTURE

1. **Total number of arterial centerline miles with real-time traffic data collection technologies (includes CCTV) used to monitor key transportation facilities for security purposes operated by your agency in this metropolitan area:**
   Previous Response: (Provided to the User if Available)
   2007 Response:

CHARACTERISTICS OF SIGNALIZED INTERSECTIONS

2. **Total number of signalized intersections operated by your agency**
   Previous Response: (Provided to the User if Available)
   2007 Response:

3. **Number of signalized intersections operated by your agency under closed loop or central system control**
   Previous Response: (Provided to the User if Available)
   2007 Response:

4. **Number of signalized intersections operated by your agency that allow for signal preemption for emergency vehicles**
   Previous Response: (Provided to the User if Available)
   2007 Response:

5. **Number of signalized intersections operated by your agency that allow signal priority for transit vehicles**
   Previous Response: (Provided to the User if Available)
   2007 Response:

6. **Number of signalized intersections operated by your agency within 200 feet of a highway-rail intersection that adjust signal timing in response to train crossing to avoid vehicle entrapment**
   Previous Response: (Provided to the User if Available)
   2007 Response:

7. **Total number of signalized intersections with automated photo red light running enforcement**
   Previous Response: (Provided to the User if Available)
   2007 Response:

8. **Total number of signalized intersections under real-time traffic adaptive control using SCOOT/SCATS or other similar advanced software**
   Previous Response: (Provided to the User if Available)
   2007 Response:

9. Total number of signalized intersections with electronic data collection capabilities
   Previous Response: (Provided to the User if Available)
   2007 Response:

LANE MANAGEMENT

10. Total number of arterial High Occupancy Vehicle (HOV) centerline miles equipped with automated lane management technologies (e.g., sensors detecting traffic conditions the use of dynamic message signs and moveable barriers [e.g., gates] to control the operation of HOV facilities) operated by your agency:
    Previous Response: (Provided to the User if Available)
    2007 Response:

11. Total number of arterial 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:
    Previous Response: (Provided to the User if Available)
    2007 Response:

12. Total number of arterial 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:
    Previous Response: (Provided to the User if Available)
    2007 Response:

13. Total number of arterial centerline miles equipped with lane control signs, supported by surveillance and detection technologies, to allow the temporary closure of lanes by your agency:
    Previous Response: (Provided to the User if Available)
    2007 Response:

14. Total number of arterial centerline miles equipped with variable speed limit technologies operated by your agency:
    Previous Response: (Provided to the User if Available)
    2007 Response:

15. Total number of arterial centerline miles equipped with lane management measures such as reversible flow lanes and lane control to support emergency evacuations operated by your agency:
    Previous Response: (Provided to the User if Available)
    2007 Response:

HIGHWAY-RAIL INTERSECTIONS

16. Total number of highway-rail intersections:
    Previous Response: (Provided to the User if Available)
    2007 Response:

17. Total number of highway-rail intersections under electronic surveillance:
    Previous Response: (Provided to the User if Available)
    2007 Response:

18. **Total number of highway-rail intersections under electronic surveillance:**
    Yes
    No
    No highway-rail intersections

INFORMATION DISSEMINATION

19. **Total centerline miles covered by Highway Advisory Radio (HAR)**
    Previous Response: (Provided to the User if Available)
    2007 Response:

20. **Is your Highway Advisory Radio (HAR) used to broadcast arterial incident information?**
    Previous Response: (Provided to the User if Available)
    Yes
    No
    No HAR

21. **Total number of permanent Dynamic Message Signs (DMS) deployed on arterials:**
    Previous Response: (Provided to the User if Available)
    2007 Response:

22. **Do you use your DMS to display incident information?**
    Previous Response: (Provided to the User if Available)
    Yes
    No
    No, agency does not operate permanent DMS

23. **Please check all the types of information that your agency distributes to the public**

	Previous Response: (Provided to the User if Available)	2007 Response
Arterial travel times:		
Arterial travel speeds:		
Incident information:		

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

25. **Which of the following technologies does your agency use to distribute en-route traveler information? (Check all that apply)**

  Pagers or personal data assistants
  511
  Other (non-511) telephone systems
  Radio
  In-vehicle systems

PARKING MANAGEMENT

26. **Does your agency deploy parking management data collection systems that monitor the availability of parking?**

  Yes
  No

27. **Does your agency deploy parking management systems that disseminate parking availability information to drivers?**

  Yes
  No

28. **Does your agency deploy parking fee payment systems to simplify payment for customers and reduce congestion at exits to parking facilities?**

  Yes
  No

INTEGRATION

29. **Does your agency provide arterial travel time, speed, and condition information in real-time to the following type of agencies?**

  Agencies involved in highway incident management:
    Yes
    No
  Freeway Management Agencies:
    Yes
    No
  Arterial Management Agencies:
    Yes
    No
  Public Transit Agencies:
    Yes
    No

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

  Yes
  No
  No toll collection

31. **Does your agency share, in real-time, timing plans with another agency?**

  Yes
  No

TRAFFIC INCIDENT MANAGEMENT
Service Patrols:

32. Total number of arterial miles patrolled by service patrols
        Previous Response: (Provided to the User if Available)
        2007 Response:

Incident Detection and Verification Methods:
    Please provide the miles covered by each of the following incident detection/verification methods:

33. Free cellular phone call to a dedicated phone number other than 911
        Previous Response: (Provided to the User if Available)
        2007 Response:

34. Computer algorithms
        Previous Response: (Provided to the User if Available)
        2007 Response:

35. CCTV
        Previous Response: (Provided to the User if Available)
        2007 Response:

36. Which of the following technologies/methods are used by your agency to detect arterial incidents? (Check all that apply)

	Previous Response: (Provided to the User if Available)	2007 Response
Inductive loop or acoustic roadway detector technologies		
Wireless enhanced 911 systems		
Mayday or Advanced Crash Notification (ACN) systems		
Traveler reported information		

37. Does your agency deploy variable speed systems?
        Yes
        No

38. Does your agency deploy speed enforcement technologies on arterials?
        Yes
        No

39. **Does your agency use electronic technologies to improve the safety and mobility of pedestrians or bicyclists?**
      Yes, what types of technologies are used? (Check all that apply)
          Countdown pedestrian signals
          Automatic pedestrian detection
          Smart lighting (brightens when pedestrians are present)
          Dynamic No Right Turn on Red Signs
          In-roadway flashing lights
          Pedestrian-activated flashing beacons
          Bicyclist-activated signals
          Other (please specify):

      No

40. **Does your agency deploy special event systems (e.g., traffic signal operating plans, temporary lane restrictions, traveler guidance, or other measures)?**
      Yes
      No

41. **Does your agency use video imaging to assist with data collection at arterial 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 arterial incident scenes?**
      Yes
      No

TRAFFIC OPERATIONS CENTER (TOC)

43. **Does your agency operate a Traffic Operations Center (TOC) or Transportation Management Center (TMC)?**
      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