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

<table>
<thead>
<tr>
<th>Information Type</th>
<th>Previous Response: (Provided to the User if Available)</th>
<th>2007 Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arterial travel times:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arterial travel speeds:</td>
<td></td>
<td></td>
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<tr>
<td>Incident information:</td>
<td></td>
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</tr>
</tbody>
</table>

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)**

<table>
<thead>
<tr>
<th>Technology/Method</th>
<th>Previous Response: (Provided to the User if Available)</th>
<th>2007 Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inductive loop or acoustic roadway detector technologies</td>
<td></td>
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<tr>
<td>Wireless enhanced 911 systems</td>
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<tr>
<td>Mayday or Advanced Crash Notification (ACN) systems</td>
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<td></td>
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<tr>
<td>Traveler reported information</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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