Closed Circuit Television (CCTV)

1. Number of CCTV cameras deployed

<table>
<thead>
<tr>
<th>Number Deployed</th>
<th>Miles Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of CCTV cameras on freeways</td>
<td></td>
</tr>
<tr>
<td>Number of CCTV cameras on non-freeways</td>
<td></td>
</tr>
<tr>
<td>Number of CCTV cameras associated with toll roads</td>
<td></td>
</tr>
<tr>
<td>Number of CCTV cameras associated with tunnels</td>
<td></td>
</tr>
<tr>
<td>Number of CCTV cameras associated with bridges</td>
<td></td>
</tr>
<tr>
<td>Number of CCTV cameras associated with toll plazas</td>
<td></td>
</tr>
</tbody>
</table>

2. Is a map available with statewide CCTV deployment information?
   - Yes.
     - Please provide a reference where it can be obtained
   - No

3. How are these cameras used? (Check all that apply)
   - Detect/verify incidents
   - Roadway conditions monitoring
   - Weather conditions monitoring
   - Dynamic message sign message verification
   - Event management
   - Security
   - Other (Please specify): __________________________

4. Where are CCTV cameras located? (Check all that apply)
   - Rest areas
   - Major interchanges
   - High accident areas
   - Ports of entry
   - Monitor equipment
   - Other (Please specify): __________________________
5. Which of the following receive images from your cameras? (Check all that apply)
   - Data archiving
   - Public safety
     - State police
     - Local agencies
   - Traffic management
   - Incident management
   - Traveler information / Information service providers
   - Other states
   - Other (Please specify): ________________________________

6. Please provide any additional comments regarding your cameras in the space provided below:
   ______________________________________________________
   ______________________________________________________
   ______________________________________________________
   ______________________________________________________
   ______________________________________________________

Dynamic Message Signs (DMS)

7. Number of permanent dynamic message signs deployed:
   - Number of permanent dynamic message signs deployed on freeways
   - Number in advance of decision points on freeway
   - Number placed to support alternate route plans
   - Number at spot locations for safety (e.g., wind, fog)
   - Number of permanent dynamic message signs deployed on non-freeways

8. Number of mobile portable dynamic message signs deployed:

9. Is a map available with statewide DMS deployment information?
   - Yes. Please provide a reference where it can be obtained
   - No

10. What type of information is displayed? (Check all that apply)
    - Congestion
    - Diversion
    - Accident sites
    - Transit operations
    - Maintenance and construction work site information
    - Roadway status
    - Special events
    - Parking availability
    - Speed warnings
    - Weather alerts
    - Other (Please specify): ________________________________
11. Which of the following share control of your DMSs? (Check all that apply)
   - Data archiving
   - Public safety
     - State police
     - Local agencies
   - Traffic management
   - Incident management
   - Traveler information / Information service providers
   - Other states
   - Other (Please specify): ______________________________

12. Please provide any additional comments regarding your Dynamic Message Signs in the space provided below:
   __________________________________________________________________________
   __________________________________________________________________________
   __________________________________________________________________________
   __________________________________________________________________________
   __________________________________________________________________________

Traffic Surveillance Systems

13. How many miles are covered by traffic surveillance (other than CCTV)?
   - Freeway or other limited access
   - Non-freeways

14. Is a map available with statewide traffic surveillance deployment information?
   - Yes. Please provide a reference where it can be obtained
   - No

15. What information is collected about vehicles?

<table>
<thead>
<tr>
<th>Information</th>
<th>Freeway or other limited access highways</th>
<th>Other multi-lane highway</th>
<th>2-lane highway</th>
</tr>
</thead>
<tbody>
<tr>
<td>Traffic Volume</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vehicle Speed</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vehicle Classification</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Travel Time</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Incidents</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
16. What technologies are used to collect information?

<table>
<thead>
<tr>
<th>Technologies</th>
<th>Freeway or other limited access highways</th>
<th>Other multi-lane highway</th>
<th>2-lane highway</th>
</tr>
</thead>
<tbody>
<tr>
<td>Loop detectors</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acoustic detectors</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Radar detectors</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Video imaging detectors</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Cellular telephone monitoring</td>
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<td></td>
<td></td>
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<tr>
<td>Probe vehicles</td>
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<td></td>
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<tr>
<td>Police reporting of incidents and congestion</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

17. How many miles of roadway in your state are included in weather or natural disaster evacuation planning and how much of it is instrumented?

<table>
<thead>
<tr>
<th>Total miles / Miles under CCTV surveillance / Miles under traffic volume/speed detection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freeway</td>
</tr>
<tr>
<td>Non-freeway</td>
</tr>
</tbody>
</table>

18. Which of the following receive data from your traffic sensors? (Check all that apply)

- Data archiving
- Public safety
- State police
- Local agencies
- Traffic management
- Incident management
- Traveler information / Information service providers
- Other states
- Other (Please specify): _______________________________

19. Please provide any additional comments regarding your Traffic Surveillance System(s) in the space provided below:

____________________________________________________________________________________
____________________________________________________________________________________
____________________________________________________________________________________
____________________________________________________________________________________

Roadway Closure Systems

20. Has your state deployed any road closure systems?

- Yes.
  - Number deployed: _______________________________
- No
21. What is the road classification where these systems are located?
- Freeway or other limited access highway
- Other multi-lane highway (non-limited access)
- 2-lane highway

22. What technologies are used for detection on sections of roadway to be closed off?
- CCTV
- Sensors
- Other (Please specify):

23. How is access controlled? (Check all that apply)
- Automatic road closure gates
- Manual road closure gates
- Dynamic message sign to alert travelers of closures
- Other (Please specify): ________________________________

24. Which of the following receive information on road closures? (Check all that apply)
- Data archiving
- Public safety
- State police
- Local agencies
- Traffic management
- Incident management
- Traveler information / Information service providers
- Other states
- Other (Please specify): ________________________________

25. Please provide any additional comments regarding your Roadway Closure System(s) in the space provided below:

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

Alternate Routing of Traffic

26. Does your state have a documented policy supporting implementation of alternate routes?
- Yes
- No

27. Does your state have established protocols to implement alternate route plans?
- Yes
- No
28. Is there a formal (signed) agreement between agencies to support implementation of alternate route plans?
   Yes
   No

29. For which types of scenarios have documented plans been developed? (Check all that apply)
   Planned special events
   Traffic incidents
   Emergency/roadway maintenance Disasters
   Other (Please specify): ________________________________

30. What sources of data are used for making real-time diversion decisions? (Check all that apply)
   Traffic conditions
   Hotel capacity
   Parking availability
   Bridge capacity
   GIS data
   Other (Please specify): ________________________________

31. How are pre-planned routes for recurrent problems identified?
   Static guide signs
   Electronic route markers
   Other (Please specify): ________________________________

32. What technologies are used to communicate information concerning route diversion? (Check all that apply)
   Dynamic message signs
   Highway advisory radio
   In-vehicle
   Flashing lights 511
   Other (Please specify): ________________________________

33. Which of the following receive information about alternate routes? (Check all that apply)
   Data archiving
   Public safety
   State police
   Local agencies
   Traffic management
   Incident management
   Traveler information / Information service providers
   Other states
   Other (Please specify): ________________________________
34. Please provide any additional comments regarding your Alternate Traffic Routing plans in the space provided below:

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

Statewide and Rural Traffic Management Centers (TMC)

35. Does your state operate any Traffic Management Centers with operational scope outside metropolitan areas?
   Yes.
   How many?
   No

   Has a feasibility study been conducted on the operation of a TMC?
   Yes, please indicate the reason(s) for not operating a TMC
   Not feasible
   Lack of perceived need
   Lack of institutional support
   Lack of funding
   Other (Please specify): __________________________

   No

Costs and Benefits

36. Is your agency willing to share COST information on ITS-related equipment (i.e., capital and O&M cost, and brief equipment description)? This information will be used to update the ITS JPO sponsored ITS unit cost database. ([http://www.benefitcost.its.dot.gov/](http://www.benefitcost.its.dot.gov/))
   Yes
   Please provide name and phone number of the cost information contact if different from respondent. This person will be contacted for the cost information at a later date.
   __________________________________________________________
   __________________________________________________________
   __________________________________________________________

   No

37. Is your agency willing to share documented BENEFITS or LESSONS LEARNED information from ITS deployments? The information will be used to update the ITS JPO sponsored ITS benefits database.
   Yes
   Please provide name and phone number of the cost information contact if different from respondent. This person will be contacted for the cost information at a later date.
   __________________________________________________________
   __________________________________________________________
   __________________________________________________________

   No