

# 2004 Transportation Management Center (TMC) Survey

## Closed Circuit Television (CCTV)

### 1. Number of CCTV cameras deployed

	Number Deployed	Miles Covered
Number of CCTV cameras on freeways		
Number of CCTV cameras on non-freeways		
Number of CCTV cameras associated with toll roads		
Number of CCTV cameras associated with tunnels		
Number of CCTV cameras associated with bridges		
Number of CCTV cameras associated with toll plazas		

### 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:**

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### 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:**

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**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?**

	Freeway or other limited access highways	Other multi-lane highway	2-lane highway
Traffic Volume			
Vehicle Speed			
Vehicle Classification			
Travel Time			
Incidents			
Other			

**16. What technologies are used to collect information?**

	Freeway or other limited access highways	Other multi-lane highway	2-lane highway
Loop detectors			
Acoustic detectors			
Radar detectors			
Video imaging detectors			
Cellular telephone monitoring			
Probe vehicles			
Police reporting of incidents and congestion			
Other			

**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?**

	Total miles	Miles under CCTV surveillance	Miles under traffic volume/speed detection
Freeway			
Non-freeway			

**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:**

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## 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:**

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**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:

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### 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/>)

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.

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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.

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No