

1999 Freeway Management Survey

In order to assist you in responding for the appropriate geographic area, we have included a map of your metropolitan area. The metropolitan planning area boundary depicted on this map follows the metropolitan transportation planning boundary established by your Metropolitan Planning Organization (MPO). Please examine this map and provide the following information:

(Map NOT Included Here)

1a. Number of freeway centerline miles contained within the metropolitan transportation planning boundary that your agency owns or maintains:

1b. Number of freeway centerline miles contained within the metropolitan transportation planning boundary that your agency considers when planning for deployment of technologies for freeway management and incident management:

1c. Number of freeway entrance ramps contained within the metropolitan transportation planning boundary that your agency owns, operates, or maintains:

1d. Number of freeway entrance ramps contained within the metropolitan transportation planning boundary that your agency considers when planning for deployment of technologies for freeway management and incident management:

2. Which of the following best describe the type of facilities used to conduct freeway management and/or incident management activities by your agency? (Circle all the numbers that apply)

1. Activities housed in a free-standing dedicated building
2. Activities housed in a building shared with other activities
3. Activities conducted in a dedicated control room
 1. control room contains operator console(s)
 2. control room contains electronic wall map
 3. control room contains CCTV display(s)
4. Activities conducted in a room containing workstations or PCs that manage traffic
5. Facilities are electronically linked to other transportation management facilities
6. Other (please describe) and/or additional information:

3. Which of the following best describe the staffing and hours of operation of your freeway management and/or incident management activities? (Circle all the numbers that apply)

1. Staffed by _____ full-time agency staff members and/or _____ contractor staff members
2. Staffed by _____ part-time agency staff members and/or _____ contractor staff members
3. Staffed 24 hours a day
 1. by agency staff
 2. by others
4. Staffed during peak hours only
 1. by agency staff
 2. by others
5. Staffed by others during off-peak hours
6. Agency staff perform transportation management as an ancillary duty
7. Agency staff dedicated to transportation management duty
8. Other: (please describe)

4. Which of the following best describe the types of operations conducted by your agency or contractor staff for freeway and/or incident management? (Circle all the numbers that apply)

1. Incident detection and management
2. Monitoring and troubleshooting status of system components
3. Manual override of ramp metering rates at freeway on-ramps
4. Operating transportation management roadside devices
5. Radio communications with other agencies
6. Exchange of electronic data with other agencies such as computer aided dispatch
7. Other (please describe)

5. Has your agency deployed (or will your agency deploy by 2005) any real-time traffic data collection technologies on the freeways located within your metropolitan transportation planning boundary? (Circle number of your answer)

1. No, go to question 6
2. Yes,
Please provide the following information:

NOTE: The "1999 Estimated Deployed by 2005" figures and selection information are not included in the companion Excel Spreadsheets.

Total number of miles under surveillance with real-time traffic data collection technologies:.

1997	1999	Deployed by 2005
Provided to Surveyee		

Real-time traffic data collection technologies deployed:

	Number of Stations		
	1997	1999	1999 Estimated Deployed by 2005
1. Loop detectors	Provided to Surveyee		
2. Video imaging detectors	Provided to Surveyee		
3. Probe readers using electronic toll tags	Provided to Surveyee		
4. Probe readers using other technology	Provided to Surveyee		
5. Probe readers for transit vehicles	Provided to Surveyee		
6. Acoustic detectors	Provided to Surveyee		
7. Microwave radar	Provided to Surveyee		
8. Other (please specify)			

	Miles Covered		
	1997	1999	1999 Estimated Deployed by 2005
1. Loop detectors	Provided to Surveyee		
2. Video imaging detectors	Provided to Surveyee		
3. Probe readers using electronic toll tags	Provided to Surveyee		
4. Probe readers using other technology	Provided to Surveyee		
5. Probe readers for transit vehicles	Provided to Surveyee		
6. Acoustic detectors	Provided to Surveyee		
7. Microwave radar	Provided to Surveyee		
8. Other (please specify)			

6. Have you identified candidate locations for the deployment of Variable Message Signs (VMS) on freeways? (Circle number of your answer)

- 1. No, go to question 7
- 2. Yes,

Please provide the following information:

NOTE: The "1999 Estimated Deployed by 2005" figures and selection information are not included in the companion Excel Spreadsheets.

	Number of Candidate VMS Locations		
	1997	1999	Deployed by 2005
1. Number of candidate locations for deployment of VMS where VMS has been or will be deployed	Provided to Surveyee		
2. Total number of candidate locations for deployment of VMS	Provided to Surveyee		
3. Percent of candidate locations where VMS has been or will be deployed	Provided to Surveyee		

Please describe criteria used to identify these locations:

7. Has your agency deployed (or will your agency deploy by 2005) any of the following types of roadside technologies to distribute traveler information on freeways within your metropolitan transportation planning boundary? (Circle number of your answer)

1. No, go to question 8

2. Yes,

Please provide the following information:

NOTE: The "1999 Estimated Deployed by 2005" figures and selection information are not included in the companion Excel Spreadsheets.

	Number Deployed		
	1997	1999	Deployed by 2005
1. Highway advisory radio	Provided to Surveyee		
2. In-vehicle signing	Provided to Surveyee		
3. Portable variable message signs	Provided to Surveyee		
4. Other (please specify)			

	Miles Covered		
	1997	1999	Deployed by 2005
1. Highway advisory radio	Provided to Surveyee		
2. In-vehicle signing	Provided to Surveyee		
3. Portable variable message signs	Provided to Surveyee		
4. Other (please specify)			

8. Does your agency operate (or will your agency operate by 2005) ramp meters on freeways within your metropolitan transportation planning boundary? (Circle number of your answer)

1. No

2. Yes,

Please provide the following information:

NOTE: The "1999 Estimated Deployed by 2005" figures and selection information are not included in the companion Excel Spreadsheets.

	Number of Entrance Ramp Meters		
	1997	1999	Deployed by 2005
1. Number of entrance ramp meters operated under isolated control.	Provided to Surveyee		
2. Number of entrance ramp meters operated under central control	Provided to Surveyee		
3. Number of entrance ramp meters that provide preemption for emergency vehicles	Provided to Surveyee		
4. Number of entrance ramp meters that provide priority for transit vehicles	Provided to Surveyee		
Total number of metered ramps			

Please describe the criteria used in deciding whether or not to deploy ramp metering.

9. Does your agency operate (or will your agency operate by 2005) any lane control devices (e.g., changeable overhead directional arrows) on freeways within your metropolitan transportation planning boundary? (Circle number of your answer)

- 1. No
- 2. Yes,

Please provide the following information:

NOTE: The "1999 Estimated Deployed by 2005" figures and selection information are not included in the companion Excel Spreadsheets.

Total number of freeway centerline miles under lane control

1997	1999	Deployed by 2005
Provided to Surveyee		

Please describe the criteria used in deciding whether or not to deploy lane control.

10. Has your agency deployed (or will your agency deploy by 2005) any of the following communication links for freeway management activities in your metropolitan transportation planning boundaries? (Circle number of your answer)

- 1. No, go to question 11
- 2. Yes

Please provide the following information:

NOTE: The "1999 Estimated Deployed by 2005" figures and selection information are not included in the companion Excel Spreadsheets.

Type of communication	Freeway Centerline Miles Covered		
	1997	1999	Deployed by 2005
1. Twisted pair cable	Provided to Surveyee		
2. Coaxial cable	Provided to Surveyee		
3. Fiber-optic cable	Provided to Surveyee		
4. Microwave radio	Provided to Surveyee		
5. Other (please specify)			

11. Are you using any ITS standards related to Freeway Management? (Circle number of your answer)

1. No, go to question 12
2. Yes

Please indicate the standards used (Circle all the letters that apply)

- a. Advanced Transportation Management Systems (ATMS) Data Dictionary Sections 1 and 2 (ITE TM 1.01)
- b. ATMS Data Dictionary Sections 3 and 4 (ITE TM 1.02)
- c. Message Set for External TMC Communication (ITE-9604-1)
- d. National Transportation Communications for ITS Protocol (NTCIP) Class B Profile (AASHTO TS 3.3)
- e. NTCIP Data Collection and Monitoring Devices (AASHTO TS 3.DCM)
- f. NTCIP Object Definitions for Environmental Sensor Stations (AASHTO TS 3.7)
- g. NTCIP Object Definitions for Dynamic Message Signs (AASHTO TS 3.6)
- h. NTCIP Object Definitions for Highway Advisory Radio (AASHTO TS 3.HAR)
- i. NTCIP Object Definitions for Ramp Meter Control (AASHTO TS 3.RMC)
- j. NTCIP Object Definitions for Transportation Sensor Systems (AASHTO TS 3.TSS)
- k. NTCIP Object Definitions for Video Camera Control (AASHTO TS 3.VCC)
- l. Other (please specify)

12. Would your agency be willing to participate in the testing of ITS standards? (Circle number of your answer)

1. No, go to question 13
2. Yes

Please provide name and phone number of contact if different from respondent.

NOTE: This information is not included in the companion Excel Spreadsheets.

13. Does your agency have any agreements in place with any other agencies or jurisdictions to use similar hardware and software to aid maintenance and interoperability? (Circle number of your answer)

1. No, go to question 14
2. Yes
Please list the agencies

14. Please indicate whether data are (or will be by 2005) collected, archived, and/or transferred to another agency or Information Service Provider (ISP). We also ask you to indicate the importance of making the information available to the public by ranking it High, Medium, or Low.

Circle 1999 if currently collected, archived or transferred

Circle 2005 if it will be collected, archived or transferred by 2005

Circle H for High importance, M for Medium importance, and L for Low importance

	Collected by your agency		Archived by your agency		Transferred to another agency by your agency		Importance of making information available to the public		
	1999	2005	1999	2005	1999	2005	H	M	L
1. Traffic volumes	1999	2005	1999	2005	1999	2005	H	M	L
2. Traffic speeds	1999	2005	1999	2005	1999	2005	H	M	L
3. Lane occupancy	1999	2005	1999	2005	1999	2005	H	M	L
4. Vehicle classification	1999	2005	1999	2005	1999	2005	H	M	L
5. Probe vehicles	1999	2005	1999	2005	1999	2005	H	M	L
6. Ramp queues	1999	2005	1999	2005	1999	2005	H	M	L
7. Ramp meter preemptions	1999	2005	1999	2005	1999	2005	H	M	L
8. Metering rate	1999	2005	1999	2005	1999	2005	H	M	L
9. Road conditions	1999	2005	1999	2005	1999	2005	H	M	L
10. Route designations (snow emergency, etc.)	1999	2005	1999	2005	1999	2005	H	M	L
11. Weather conditions	1999	2005	1999	2005	1999	2005	H	M	L
12. Incidents	1999	2005	1999	2005	1999	2005	H	M	L
13. Current work zones	1999	2005	1999	2005	1999	2005	H	M	L
14. Scheduled work zones	1999	2005	1999	2005	1999	2005	H	M	L
15. Intermodal (air, rail, water) connections	1999	2005	1999	2005	1999	2005	H	M	L
16. Emergency/evacuation routes and procedures	1999	2005	1999	2005	1999	2005	H	M	L
17. Highway operations coordination information	1999	2005	1999	2005	1999	2005	H	M	L
18. Other (please specify)	1999	2005	1999	2005	1999	2005	H	M	L

Which of the following groups typically make requests for the data? (Circle all the numbers that apply)

1. Universities
2. State DOT personnel
3. Federal DOT personnel
4. Media (e.g., TV stations, radio stations)
5. MPOs
6. Consultants
7. Advanced Traveler Information Systems (ATIS) providers
8. Other (please specify)

What are these data used for? (Circle all the numbers that apply)

1. Do not know
2. Traffic analysis
3. Construction impact determination
4. Planning
5. Incident detection algorithm development
6. Roadway impact analysis
7. Accident prediction models
8. Dissemination to the public
9. Other (please specify)

15. Does your agency directly or indirectly (i.e., through another agency or organization) use (or will your agency use by 2005) any of the following technologies to distribute freeway travel time, speeds, and conditions information to the public? (Circle number of your answer)

1. No, go to question 16
2. Yes

Please provide the following information:

Methods used to disseminate arterial travel times, speeds, and conditions to the public in 1999 and by 2005.

Circle 1999 if the method is currently used

Circle 2005 if the method will be used by 2005

	Your agency		Other organization	
	1999	2005	1999	2005
1. Dedicated cable TV	1999	2005	1999	2005
2. Telephone system	1999	2005	1999	2005
3. Internet Web sites	1999	2005	1999	2005
4. Pagers or personal data assistants	1999	2005	1999	2005
5. Interactive TV	1999	2005	1999	2005
6. Kiosks	1999	2005	1999	2005
7. E-mail or other direct PC communication	1999	2005	1999	2005
8. In-vehicle navigation systems	1999	2005	1999	2005
9. Cell phone/voice	1999	2005	1999	2005
10. Cell phone/data	1999	2005	1999	2005
11. Facsimile	1999	2005	1999	2005
12. Other (please specify)	1999	2005	1999	2005

If your agency or another organization has one or more World Wide Web sites reporting freeway conditions, please provide the URLs below:

If your agency has one or more telephone systems for reporting freeway travel times, speeds, and conditions to the public, please provide the number(s) below:

Please list below any organization (public or private) to which your agency sends information for dissemination to the public:

16. The following information is used to determine the extent to which your freeway management agency is integrated with other transportation agencies in your metropolitan area. Integration can occur through the sending of information to these agencies (i.e., your agency transmits freeway travel time, speed, and condition data to an agency in real-time via electronic means), through the sharing of infrastructure with any agency (e.g., building, computer system, communication lines), or through coordinated operations with another agency (e.g., jointly developing a common control strategy).

Please indicate to which agencies your agency provides freeway travel times, speed, and conditions information, and/or shares infrastructure, and/or coordinates operation in 1999 or will by 2005. (This is intended to be an exhaustive list of applicable agencies and your own agency will be included and can be ignored)

Circle 1999 if currently in place

Circle 2005 if in place by 2005

Freeway Management	Provide Information		Share Infrastructure		Coordinate Operation	
	1999	2005	1999	2005	1999	2005
Agency 1						
Agency 2						
Agency 3						
....						
Agency N						
Other (please specify)						
Other (please specify)						

Incident Management	Provide Information		Share Infrastructure		Coordinate Operation	
	1999	2005	1999	2005	1999	2005
Agency 1						
Agency 2						
Agency 3						
....						
Agency N						
Other (please specify)						
Other (please specify)						

Traffic Signal Control	Provide Information		Share Infrastructure		Coordinate Operation	
	1999	2005	1999	2005	1999	2005
Agency 1						
Agency 2						
Agency 3						
....						
Agency N						
Other (please specify)						
Other (please specify)						

Public Transit Operators	Provide Information		Share Infrastructure		Coordinate Operation	
	1999	2005	1999	2005	1999	2005
Agency 1	1999	2005	1999	2005	1999	2005
Agency 2	1999	2005	1999	2005	1999	2005
Agency 3	1999	2005	1999	2005	1999	2005
....	1999	2005	1999	2005	1999	2005
Agency N	1999	2005	1999	2005	1999	2005
Other (please specify)	1999	2005	1999	2005	1999	2005
Other (please specify)	1999	2005	1999	2005	1999	2005

17. The following information is used to determine whether your freeway management agency is receiving real-time information via electronic means from other groups, agencies, or organizations in your metropolitan area.

Circle 1999 if currently in place

Circle 2005 if in place by 2005

Please indicate the Incident Management agencies from which your agency currently receives incident severity, location, and type information or will receive this information by 2005.

Agency 1	1999	2005
Agency 2	1999	2005
Agency 3	1999	2005
....	1999	2005
Agency N	1999	2005
Other (please specify)	1999	2005
Other (please specify)	1999	2005

Please indicate the Traffic Signal Control agencies from which your agency currently receives arterial travel times, speeds, and conditions information or will receive this information by 2005.

Agency 1	1999	2005
Agency 2	1999	2005
Agency 3	1999	2005
....	1999	2005
Agency N	1999	2005
Other (please specify)	1999	2005
Other (please specify)	1999	2005

Please indicate the Public Transit operators from which your agency currently receives freeway travel times derived from vehicle probes information or will receive this information by 2005.

Agency 1	1999	2005
Agency 2	1999	2005
Agency 3	1999	2005
....	1999	2005
Agency N	1999	2005
Other (please specify)	1999	2005
Other (please specify)	1999	2005

Please indicate the Toll Collection agencies from which your agency currently receives freeway travel times derived from vehicle probes information or will receive this information by 2005.

Agency 1	1999	2005
Agency 2	1999	2005
Agency 3	1999	2005
....	1999	2005
Agency N	1999	2005
Other (please specify)	1999	2005
Other (please specify)	1999	2005

INCIDENT MANAGEMENT

This section gathers data about a number of aspects associated with incident management including incident detection and verification methods, incident response procedures, information dissemination to the public, and integration with other agencies. We are asking you to provide responses that reflect conditions in your metropolitan area as of September 1999 as well as your best projection of what will be deployed by 2005. Where available, we have also included the 1997 data we collected for your agency. We would appreciate any corrections to the 1997 data, if needed, and request that in those cases where the 1997 data are blank that you enter the appropriate data if available.

18. Does your agency operate or sponsor (or will your agency operate or sponsor by 2005) any of the following service patrols to assist in the detection, verification, and response to incidents? (Circle the number for all that apply)

1. Publicly operated service patrol vehicles
2. Privately operated service patrol vehicles operated under public contract
3. None of the above

Total number of freeway miles patrolled by these services in 1997 ____ in 1999 ____ deployed by 2005 ____

NOTE: The "1999 Estimated Deployed by 2005" figure is not included in the companion Excel Spreadsheets.

19. Does your agency detect and verify incidents? (Circle number of your answer)

1. No, go to question 20
2. Yes

Please provide the following information:

Detection and verification methods used:

NOTE: The "1999 Estimated Deployed by 2005" figures and selection information are not included in the companion Excel Spreadsheets.

	Miles Covered by Method		
	1997	1999	Deployed by 2005
1. Free cellular phone call to a dedicated phone number other than 911	Provided to Surveyee		
2. Free cellular phone call to an area radio station	Provided to Surveyee		
3. Police patrols	Provided to Surveyee		
4. Computer algorithms linked to traffic surveillance equipment	Provided to Surveyee		
5. CCTV	Provided to Surveyee		
6. Private sector sources (e.g., Shadow Traffic, SmartRoutes)	Provided to Surveyee		
7. Other (please specify)			

20. Does your agency have in place any of the following procedures for arterial incident response? (Circle number of your answer)

1. Working agreement(s)/arrangement(s) with other agencies
2. Inter-agency incident management administrative team that meets on a regular basis
3. Major incident response team made up of senior persons from major agencies (e.g., police, fire, towing) that responds to major incidents for the purpose of coordinating their agencies' activities with each other
4. Set of goals and objectives for incident management that has been formally adopted by agencies in your region
5. Other (please describe)

21. Do you have a central focal point for facilitating the two-way flow of information among agencies responding to an incident? (Circle number of your answer)

1. No, go to question 22
2. Yes

Please provide the following information:

1. The central focal point is a Freeway or Traffic Management center
2. The central focal point is a Police, Fire or joint dispatch center
3. The central focal point is another center (please describe)

22. What methods of communication are used on-site at an incident (or while responding to an incident) by state or local DOT, police, fire/rescue, and towing services? (Circle the responders that use each method of communication)

Method of communication:	Responders			
1. Two-way radio	Police	Fire/Rescue	DOT	Towing
2. 800 MHz trunked radio	Police	Fire/Rescue	DOT	Towing
3. Cellular telephone	Police	Fire/Rescue	DOT	Towing
4. Hand-held (i.e., walkie-talkie)	Police	Fire/Rescue	DOT	Towing
5. Automated data systems (i.e., CAD)	Police	Fire/Rescue	DOT	Towing
6. Other: (please describe)	Police	Fire/Rescue	DOT	Towing

23. Which police agencies typically respond to incidents on the freeways? (Circle all the numbers that apply)

1. State Police
2. County Police or Sheriff
3. City Police

24. Who provides on-site emergency medical response? (Circle all the numbers that apply)

1. Fire
2. Emergency Management Service Agency (describe)
3. Private hospital (describe) 2. County Police or Sheriff

25. Has a multi-agency contact list been developed in your area containing the names, phone numbers, pager numbers, and other pertinent information for the appropriate response personnel? (Circle number of your answer)

1. No
2. Yes
3. Don't know

26. Is the Incident Command System (ICS) used to manage incident scenes? (Circle number of your answer)

1. No
2. Yes
3. Don't know

27. Is there a legal specification by state law or formal agreement as to who is "in charge" at the incident scene (Incident Commander)? (Circle all the numbers that apply)

1. Specified by state law
if so, who?
2. Formal agreement
if so, who?
3. Not specified or don't know.

28. Is an on-scene command post used to manage and coordinate the activities of responding agencies? (Circle number of your answer)

1. No, go to question 29
2. Don't know, go to question 29
3. Yes
Please answer the following question:

Are there communications linkages to a communications or traffic/freeway management center? (Circle number of your answer)

1. No
2. Yes

29. Has a plan been developed and adopted by responding agencies for staging and parking response vehicles and equipment at the incident site in a manner that minimizes lane blockage and facilitates the re-opening of lanes? (Circle number of your answer)

1. No
2. Yes
3. Don't know

30. Are respondents protected through law or court opinion for liability claims for damages to vehicles or cargoes during clearance activities so long as the removal was not done in a careless or grossly negligent manner? (Circle number of your answer)

1. No
2. Yes
3. Don't know
4. Legislation or action being planned

31. In your area, are overturned tank trucks (especially those containing petroleum products or other Hazmat), which are intact and not leaking, uprighted without first off-loading? (Circle number of your answer)

1. No
2. Yes

32. Does your state or local jurisdiction have a law that requires drivers involved in property-damage-only accidents (where vehicles can be driven) to move the vehicles from travel lanes to a safe location to exchange information or wait for police? (Circle number of your answer)

1. No
2. Yes
3. Legislation is in progress

33. Do you have laws or policies regarding the removal of stalled or abandoned vehicles from freeway shoulders? (Circle number of your answer)

1. No, go to question 34
 2. Yes
- Please briefly describe:

34. How long are abandoned vehicles allowed to remain on a freeway shoulder (assuming they are not an imminent hazard)? (Circle number of your answer)

1. 0 to 24 hours
2. 25 to 36 hours
3. More than 37 hours
4. Don't know

35. Do you have policies and procedures to facilitate quick removal of vehicles? (Circle number of your answer)

1. No, go to question 36
 2. Yes
- Please briefly describe the policy or procedures:

36. Is Total Station equipment (Total Station equipment uses infrared-based survey equipment for mapping incident scenes) used to investigate (measure and document) major incidents? (Circle number of your answer)

1. No, go to question 37
 2. Don't know, go to question 37
 3. Yes
- Please indicate who operates the equipment

37. How is towing response to incidents handled in your area? (Circle all the numbers that apply)

1. Formal contract based on qualifications
 2. Rotation with companies under contract
- Are separate lists kept for light and heavy response and for specialty recovery? (Circle number of your answer)
1. No
 2. Yes
3. Rotation list with minimal qualifications
 4. Other
- Please describe

38. In your towing qualifications, do you require towers to be certified under the Towing and Recovery Association of America's National Drivers Certification Program? (Circle number of your answer)

1. No
2. Yes
3. Being considered
4. Don't know about program

39. Does your agency directly or indirectly (i.e., through another agency or organization) use (or will your agency use by 2005) any of the following technologies to distribute incident location and severity information to the public? (Circle number of your answer)

- 1. No, go to question 40
- 2. Yes

Please provide the following information:

Methods used to disseminate incident location and severity to the public in 1999 and by 2005

Circle 1999 if the method is currently used

Circle 2005 if the method will be used by 2005

	Your agency		Other organization	
	1999	2005	1999	2005
1. Dedicated cable TV	1999	2005	1999	2005
2. Telephone system	1999	2005	1999	2005
3. Internet Web sites	1999	2005	1999	2005
4. Pagers or personal data assistants	1999	2005	1999	2005
5. Interactive TV	1999	2005	1999	2005
6. Kiosks	1999	2005	1999	2005
7. E-mail or other direct PC communication	1999	2005	1999	2005
8. In-vehicle navigation systems	1999	2005	1999	2005
9. Cell phone/voice	1999	2005	1999	2005
10. Cell phone/data	1999	2005	1999	2005
11. Facsimile	1999	2005	1999	2005
12. Other: (please specify)	1999	2005	1999	2005

If your agency or another organization has one or more World Wide Web sites reporting incident information, please provide the URLs below:

If your agency has one or more telephone systems for reporting incident information to the public, please provide the number(s) below:

Please list below any organization (public or private) to which your agency sends information for dissemination to the public:

40. The following information is used to determine the extent to which your incident management program is integrated with other transportation agencies in your metropolitan area. Integration can occur through the sending of information to these agencies (i.e., your agency transmits incident severity, location, and type to an agency in real-time via electronic means), through the sharing of infrastructure with any agency (e.g., building, computer system, communication lines), or through coordinated operations with another agency (i.e., jointly developing a common control strategy).

Please indicate to which agencies your agency provides incident severity, location, and type information, and/or shares infrastructure, and/or coordinates operation in 1999 or will by 2005. (This is intended to be an exhaustive list of applicable agencies and your own agency will be included and can be ignored)

Circle 1999 if currently in place

Circle 2005 if in place by 2005

Traffic Signal Control	Provide Information		Share Infrastructure		Coordinate Operation	
	1999	2005	1999	2005	1999	2005
Agency 1	1999	2005	1999	2005	1999	2005
Agency 2	1999	2005	1999	2005	1999	2005
Agency 3	1999	2005	1999	2005	1999	2005
.....	1999	2005	1999	2005	1999	2005
Agency N	1999	2005	1999	2005	1999	2005
Other: (please specify)	1999	2005	1999	2005	1999	2005
Other: (please specify)	1999	2005	1999	2005	1999	2005

Emergency Management	Provide Information		Share Infrastructure		Coordinate Operation	
	1999	2005	1999	2005	1999	2005
Agency 1	1999	2005	1999	2005	1999	2005
Agency 2	1999	2005	1999	2005	1999	2005
Agency 3	1999	2005	1999	2005	1999	2005
.....	1999	2005	1999	2005	1999	2005
Agency N	1999	2005	1999	2005	1999	2005
Other: (please specify)	1999	2005	1999	2005	1999	2005
Other: (please specify)	1999	2005	1999	2005	1999	2005

Freeway Management	Provide Information		Share Infrastructure		Coordinate Operation	
	1999	2005	1999	2005	1999	2005
Agency 1	1999	2005	1999	2005	1999	2005
Agency 2	1999	2005	1999	2005	1999	2005
Agency 3	1999	2005	1999	2005	1999	2005
.....	1999	2005	1999	2005	1999	2005
Agency N	1999	2005	1999	2005	1999	2005
Other: (please specify)	1999	2005	1999	2005	1999	2005
Other: (please specify)	1999	2005	1999	2005	1999	2005

Public Transit Operators	Provide Information		Share Infrastructure		Coordinate Operation	
	1999	2005	1999	2005	1999	2005
Agency 1	1999	2005	1999	2005	1999	2005
Agency 2	1999	2005	1999	2005	1999	2005
Agency 3	1999	2005	1999	2005	1999	2005
.....	1999	2005	1999	2005	1999	2005
Agency N	1999	2005	1999	2005	1999	2005
Other: (please specify)	1999	2005	1999	2005	1999	2005
Other: (please specify)	1999	2005	1999	2005	1999	2005

41. The following information is used to determine whether your incident management program is receiving real-time information via electronic means from other groups, agencies, or organizations in your metropolitan area.

Circle 1999 if currently in place

Circle 2005 if in place by 2005

Please indicate the Emergency Management agencies from which your agency currently receives incident clearance and/or incident severity and type information or will receive this information by 2005.

	Receive Incident Clearance Information		Receive Incident Severity Information	
	1999	2005	1999	2005
Agency 1	1999	2005	1999	2005
Agency 2	1999	2005	1999	2005
Agency 3	1999	2005	1999	2005
.....	1999	2005	1999	2005
Agency N	1999	2005	1999	2005
Other: (please specify)	1999	2005	1999	2005
Other: (please specify)	1999	2005	1999	2005

Please indicate the Traffic Signal Control agencies from which your agency currently receives arterial travel times, speeds, and conditions information or will receive this information by 2005.

Agency 1	1999	2005
Agency 2	1999	2005
Agency 3	1999	2005
.....	1999	2005
Agency N	1999	2005
Other: (please specify)	1999	2005
Other: (please specify)	1999	2005

Please indicate the Freeway Management agencies from which your agency currently receives freeway travel times, speeds, and conditions information or will receive this information by 2005.

Agency 1	1999	2005
Agency 2	1999	2005
Agency 3	1999	2005
.....	1999	2005
Agency N	1999	2005
Other: (please specify)	1999	2005
Other: (please specify)	1999	2005

Please indicate the Freeway Management agencies from which your agency currently receives freeway travel times, speeds, and conditions information or will receive this information by 2005. (This is intended to be an exhaustive list of applicable agencies and your own agency will be included and can be ignored)

Agency 1	1999	2005
Agency 2	1999	2005
Agency 3	1999	2005
.....	1999	2005
Agency N	1999	2005
Other: (please specify)	1999	2005
Other: (please specify)	1999	2005

42. If there is anything else you want to tell us about any ITS effort in your agency, please use this space for that purpose. Also, any comments you wish to make that you think may help us in future efforts to track ITS deployment will be appreciated, either here or in a separate letter.

43. Your contribution to this effort is greatly appreciated. If you would like to receive a copy of your metropolitan area report and the national summary report, please indicate below. (Circle number of your answer)

1. Yes, send a copy of the reports to me.
2. No, do not send a copy of the reports to me.