

2000 Arterial Management Survey

Please use the enclosed map of your metropolitan area displaying the metropolitan planning area boundary established by your Metropolitan Planning Organization (MPO) to answer the questions in this questionnaire.

(Map NOT Included Here)

BASELINE COVERAGE

Please review the first column containing information your agency provided in 1999. Enter any changes for 2000 in the second column or check the box at the bottom if there are no changes.

1a. Number of arterial centerline miles contained within the metropolitan transportation planning boundary that your agency maintains

No Changes

1999 Response	2000 Response
Provided to Surveyee	

1b. Number of arterial miles contained within the metropolitan transportation planning boundary that your agency considers when planning for deployment of ITS for arterial management

No Changes

1999 Response	2000 Response
Provided to Surveyee	

1c. Number of highway-rail intersections contained within the metropolitan transportation planning boundary on roadways that your agency maintains

No Changes

1999 Response	2000 Response
Provided to Surveyee	

1d. Number of highway-rail intersections contained within the metropolitan transportation planning boundary that your agency considers when planning for deployment of technologies for highway-rail intersection ITS strategies

No Changes

1999 Response	2000 Response
Provided to Surveyee	

2. Please describe the geographical and/or jurisdictional areas to which your answers to this survey apply. Please identify those areas or facilities below (e.g., all signals within a certain city, excluding the ones on state routes).

3. Which of the following best describes the functional capabilities of your arterial management system?

- Network or roadway surveillance and data collection
- Incident management (e.g., detection, verification and monitoring of incident status)
- Information dissemination (public, private and interagency)
- En-route driver information
- Environmental monitoring (e.g., air quality, noise and weather)
- Special event traffic management
- Disaster management and traffic coordination
- Emergency services traffic control coordination
- Signal management and control
- Corridor management/traffic signal coordination or control
- Network performance monitoring, evaluation and reporting
- No Arterial or Incident management activities
- Other (please describe)

4. Which of the following best describes the type of facilities used to conduct arterial management and/or incident management activities by your agency?

Building:

- Free-standing building dedicated to Arterial Management activities only
- Building shared with other activities (e.g. transit, freeway management, public safety)

Dedicated Control Room:

- Control room contains operator console(s)
- Control room contains electronic wall map
- Control room contains CCTV display(s)

Arterial Management activities only

- Shared with other activities (e.g. transit, freeway management, public safety)

Activities conducted in a room containing workstations or PCs that manage traffic (i.e., traffic signal control equipment)

No Arterial Management Facilities

Other (please describe) and/or additional information

Hours of operation:

- 24 hours a day
- Peak hours only
- Other:

5. Staffing

	Professional engineer	Other professional	Technical	Administrative	Other
Full time agency staff					
Part time agency staff					
Full time contractor					
Part time contractor					

How many agency staff not listed above perform transportation management as an ancillary duty?

What percentage of their work time is spent on Arterial Management duties?

TRAFFIC SIGNALS

Please review the first column containing information your agency provided in 1999. Enter any changes for 2000 in the second column or check the box at the bottom if there are no changes.

NOTE: The "2000 Estimated Deployed by 2005" figures and selection information are not included in the companion Excel Spreadsheets.

6. Number of signalized intersections

	Deployed in 1999	1999 Estimated Deployed by 2005	Deployed in 2000	2000 Estimated Deployed by 2005
Total number of signalized intersections operated by your agency	Provided to Surveyee	Provided to Surveyee		
a. Number of signalized intersections operated by your agency and owned by your agency	Provided to Surveyee	Provided to Surveyee		
b. Number of signalized intersections operated by your agency but owned by another agency	Provided to Surveyee	Provided to Surveyee		

No Changes

Characteristics of the signalized intersections that your agency operates

	Deployed in 1999	1999 Estimated Deployed by 2005	Deployed in 2000	2000 Estimated Deployed by 2005
a. Number of signalized intersections operated by your agency under closed loop or central system control	Provided to Surveyee	Provided to Surveyee		
b. Number of signalized intersections operated by your agency under SCOOT (Split Cycle Offset Optimization Technique)	Not Collected in 1999	Not Collected in 1999		
c. Number of signalized intersections operated by your agency under SCATS (Sydney Coordinated Adaptive Traffic System)	Not Collected in 1999	Not Collected in 1999		
d. Number of signalized intersections operated by your agency under real-time traffic adaptive control* (other than SCOOT or SCATS). Please indicate the system in use:	Not Collected in 1999	Not Collected in 1999		
e. Number of signalized intersections operated by your agency that allow signal preemption for emergency vehicles	Provided to Surveyee	Provided to Surveyee		
f. Number of signalized intersections operated by your agency that allow signal priority for transit vehicles	Provided to Surveyee	Provided to Surveyee		
g. Number of signalized intersections operated by your agency within 200 feet of a highway-rail-intersection	Provided to Surveyee	Provided to Surveyee		
h. 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	Provided to Surveyee	Provided to Surveyee		
i. Number of signalized intersections with automated photo red light running enforcement	Not Collected in 1999	Not Collected in 1999		

No Changes

What is the name of the software your agency currently uses to develop signal timing plans?

REAL-TIME ELECTRONIC TRAFFIC DATA COLLECTION

Please review the first column containing information your agency provided in 1999. Enter any changes for 2000 in the second column or check the box at the bottom if there are no changes.

NOTE: The "2000 Estimated Deployed by 2005" figures and selection information are not included in the companion Excel Spreadsheets.

7. Total number of signalized intersections with electronic data collection capabilities

Deployed in 1999	1999 Estimated Deployed by 2005	Deployed in 2000	2000 Estimated Deployed by 2005
Provided to Surveyee	Provided to Surveyee		

No Changes

Please indicate the number of signalized intersections that have the following data collection technologies:

	Number of Signalized Intersections with data collection technologies			
	Deployed in 1999	1999 Estimated Deployed by 2005	Deployed in 2000	2000 Estimated Deployed by 2005
a. Loop detectors (for volumes, speed, and density)	Provided to Surveyee	Provided to Surveyee		
b. Video detection cameras (for volume, speed, and density)	Provided to Surveyee	Provided to Surveyee		
c. Probe readers reading toll tags (for volume, speed, and density)	Provided to Surveyee	Provided to Surveyee		
d. Probe readers reading license plates (for volume, speed, and density)	Provided to Surveyee	Provided to Surveyee		
e. Other (please specify):	Provided to Surveyee	Provided to Surveyee		

ROADSIDE TECHNOLOGIES TO DISTRIBUTE EN-ROUTE TRAVELER INFORMATION

Please review the first two columns containing information your agency provided in 1999. Enter any changes for 2000 in the next two columns or check the box at the bottom if there are no changes.

NOTE: The "2000 Estimated Deployed by 2005" figures and selection information are not included in the companion Excel Spreadsheets.

8. Miles covered for

	Deployed in 1999	1999 Estimated Deployed by 2005	Deployed in 2000	2000 Estimated Deployed by 2005
a. Highway advisory radio	Provided to Surveyee	Provided to Surveyee		
b. VMS controlling parking access	Not Collected in 1999	Not Collected in 1999		
c. Other (please specify)	Provided to Surveyee	Provided to Surveyee		

No Changes

HIGHWAY RAIL INTERSECTIONS

Please review the first two columns containing information your agency provided in 1999. Enter any changes for 2000 in the next two columns or check the box at the bottom if there are no changes.

NOTE: The "2000 Estimated Deployed by 2005" figures and selection information are not included in the companion Excel Spreadsheets.

9. Number of Highway-Rail Intersections

	Deployed in 1999	1999 Estimated Deployed by 2005	Deployed in 2000	2000 Estimated Deployed by 2005
Total number of highway rail intersections under electronic surveillance	Provided to Surveyee	Provided to Surveyee		
a. Highway rail intersections with video surveillance	Provided to Surveyee	Provided to Surveyee		
b. Highway rail intersections with electronic surveillance other than video	Provided to Surveyee	Provided to Surveyee		
c. Highway rail intersections with the ability to predict train arrivals electronically	Provided to Surveyee	Provided to Surveyee		
d. Highway rail intersections equipped with electronic traffic violator devices	Provided to Surveyee	Provided to Surveyee		
e. Other (please specify)	Provided to Surveyee	Provided to Surveyee		

No Changes

VARIABLE MESSAGE SIGNS (VMS) AND VARIABLE SPEED LIMIT SIGNS

Please review the first two columns containing information your agency provided in 1999. Enter any changes for 2000 in the next two columns or check the box at the bottom if there are no changes.

NOTE: The "2000 Estimated Deployed by 2005" figures and selection information are not included in the companion Excel Spreadsheets.

10. Number of VMSs

	Deployed in 1999	1999 Estimated Deployed by 2005	Deployed in 2000	2000 Estimated Deployed by 2005
a. Total number of Variable speed limits signs deployed on arterials	Not Collected in 1999	Not Collected in 1999		
b. Total number of Permanent VMS deployed on arterials	Provided to Surveyee	Provided to Surveyee		
c. Total number of Portable VMS deployed on arterials:	Not Collected in 1999	Not Collected in 1999		

No Changes

Do you have a regional multi-year traveler information system plan?

No

Yes

Are the VMS considered part of this plan?

Yes

No

Do you have established procedures and policies related to the messages that are displayed on VMS's?

- No
- Yes

Indicate what types of messages your agency displays on VMS (Check all that apply):

- Freeway traffic congestion
- Arterial traffic congestion
- Travel times for freeways
- Travel speeds for freeways
- Travel times for arterials
- Incident information
- Construction/Maintenance activities
- Alternate routing directions
- Alternate travel mode information
- Weather/Roadway conditions alerts
- Roadway access control (e.g., HOV, trucks)
- Parking information
- Upcoming event information
- Safety related messages
- Air quality alerts
- Other:

11. Does your agency have any technology agreements in place to establish and/or systematically maintain the ability to share information with other systems or agencies?

- No, Go to question 12
- Yes

Please indicate the following components covered (Check all that apply)

- Hardware standards and/or specifications (e.g. VMS, traffic controllers, CCTV, etc.)
- Software and/or specifications
- Database and data elements
- Communications protocol
- Configuration management
- Maintenance concept

12. Would your agency be willing to participate in the testing of ITS standards?

- No, Go to question 13
- Yes

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

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

NATIONAL ITS STANDARDS

Please review the first column containing information your agency provided in 1999. Enter any changes for 2000 in the second column or check the box at the bottom if there are no changes.

13. National Standards

	Used in 1999	Used in 2000
Advanced Transportation Controller (ATC) Software Application Interface (ITE 9603-1)	Provided to Surveyee	
ATC Physical Cabinet Functional Design (ITE-9603-2)	Provided to Surveyee	
ATC Functionality and Interface Definitions (ITE-9603-3)	Provided to Surveyee	
National Transportation Communications for ITS Protocol (NTCIP) Class B Profile (AASHTO TS 3.3)	Provided to Surveyee	
NTCIP Data Collection and Monitoring Devices (AASHTO TS 3.DCM)	Provided to Surveyee	
NTCIP Object Definitions for Video Camera Control (AASHTO TS 3.VCC)	Provided to Surveyee	
NTCIP Object Definitions for Actuated Traffic Signal Controller Units (AASHTO TS 3.5)	Provided to Surveyee	
Do not use standards		
Other (please specify):		

No Changes

DATA COLLECTION AND ARCHIVING

Please review the first two columns containing information your agency provided in 1999. Enter any changes for 2000 in the next two columns or check the box at the bottom if there are no changes.

NOTE: The "2000 Estimated by 2005" figures and selection information are not included in the companion Excel Spreadsheets.

14a. Data collection

Type of information collected from real-time sources	Collected in 1999	1999 Plan to Collect by 2005	Collect in 2000	2000 Plan to Collect by 2005
Traffic volumes	Provided to Surveyee	Provided to Surveyee		
Traffic speeds	Provided to Surveyee	Provided to Surveyee		
Lane occupancy	Provided to Surveyee	Provided to Surveyee		
Vehicle classification	Provided to Surveyee	Provided to Surveyee		
Vehicle location	Provided to Surveyee	Provided to Surveyee		
Turning Movements	Provided to Surveyee	Provided to Surveyee		
Queues	Provided to Surveyee	Provided to Surveyee		
Phasing/cycle lengths	Provided to Surveyee	Provided to Surveyee		
Road conditions	Provided to Surveyee	Provided to Surveyee		
Emergency vehicle signal preemption events	Provided to Surveyee	Provided to Surveyee		
Transit vehicle signal priority events	Provided to Surveyee	Provided to Surveyee		
Weather conditions	Provided to Surveyee	Provided to Surveyee		
Incidents	Provided to Surveyee	Provided to Surveyee		

No Changes

Type of information collected from other sources	Collected in 1999	1999 Plan to Collect by 2005	Collect in 2000	2000 Plan to Collect by 2005
Route designations (snow emergency, etc.)	Provided to Surveyee	Provided to Surveyee		
Current work zones	Provided to Surveyee	Provided to Surveyee		
Scheduled work zones	Provided to Surveyee	Provided to Surveyee		
Intermodal (air, rail, water) connections	Provided to Surveyee	Provided to Surveyee		
Emergency/evacuation routes and procedures	Provided to Surveyee	Provided to Surveyee		
Other (please specify)				
Do not collect information				

No Changes

14b. Data archiving

Type of information archived from real-time sources	Archived in 1999	1999 Plan to Archive by 2005	Archive in 2000	2000 Plan to Archive by 2005
Traffic volumes	Provided to Surveyee	Provided to Surveyee		
Traffic speeds	Provided to Surveyee	Provided to Surveyee		
Lane occupancy	Provided to Surveyee	Provided to Surveyee		
Vehicle classification	Provided to Surveyee	Provided to Surveyee		
Vehicle location	Provided to Surveyee	Provided to Surveyee		
Turning Movements	Provided to Surveyee	Provided to Surveyee		
Queues	Provided to Surveyee	Provided to Surveyee		
Phasing/cycle lengths	Provided to Surveyee	Provided to Surveyee		
Road conditions	Provided to Surveyee	Provided to Surveyee		
Emergency vehicle signal preemption events	Provided to Surveyee	Provided to Surveyee		
Transit vehicle signal priority events	Provided to Surveyee	Provided to Surveyee		
Weather conditions	Provided to Surveyee	Provided to Surveyee		
Incidents	Provided to Surveyee	Provided to Surveyee		

No Changes

Type of information archived from other sources	Archived in 1999	1999 Plan to Archive by 2005	Archive in 2000	2000 Plan to Archive by 2005
Route designations (snow emergency, etc.)	Provided to Surveyee	Provided to Surveyee		
Current work zones	Provided to Surveyee	Provided to Surveyee		
Scheduled work zones	Provided to Surveyee	Provided to Surveyee		
Intermodal (air, rail, water) connections	Provided to Surveyee	Provided to Surveyee		
Emergency/evacuation routes and procedures	Provided to Surveyee	Provided to Surveyee		
Other (please specify)				
Do not archive information				

No Changes

14c. Groups that typically request data

	1999 Response	2000 Response
Universities	Provided to Surveyee	
State DOT personnel	Provided to Surveyee	
Federal DOT personnel	Provided to Surveyee	
Media (e.g., TV stations, radio stations)	Provided to Surveyee	
MPOs	Provided to Surveyee	
Consultants	Provided to Surveyee	
Advanced Traveler Information Systems (ATIS) providers	Provided to Surveyee	
Transit Agencies	Provided to Surveyee	
Other (please specify)		

No Changes

14d. Data uses

	1999 Response	2000 Response
Do not know	Provided to Surveyee	
Traffic analysis	Provided to Surveyee	
Construction impact determination	Provided to Surveyee	
Planning	Provided to Surveyee	
Incident detection algorithm development	Provided to Surveyee	
Roadway impact analysis	Provided to Surveyee	
Accident prediction models	Provided to Surveyee	
Dissemination to the public	Provided to Surveyee	
Traffic Management	Provided to Surveyee	
Measurement of performance	Provided to Surveyee	
Other (please specify)		

No Changes

ARTERIAL TRAVEL TIMES AND SPEEDS

Please review the first two columns containing information your agency provided in 1999. Enter any changes for 2000 in the next two columns or check the box at the bottom if there are no changes.

NOTE: The "2000 Estimated by 2005" figures and selection information are not included in the companion Excel Spreadsheets.

15a. Methods used to distribute arterial travel times to the public.

	Distributed in 1999	1999 Plan to Distribute by 2005	Distribute in 2000	2000 Plan to Distribute by 2005
Dedicated cable TV	Provided to Surveyee	Provided to Surveyee		
Automated telephone system	Not Collected in 1999	Not Collected in 1999		
Internet Web sites	Provided to Surveyee	Provided to Surveyee		
Pagers or personal data assistants	Provided to Surveyee	Provided to Surveyee		
Interactive TV	Provided to Surveyee	Provided to Surveyee		
Kiosks	Provided to Surveyee	Provided to Surveyee		
E-mail or other direct PC communication	Provided to Surveyee	Provided to Surveyee		
In-vehicle navigation systems	Provided to Surveyee	Provided to Surveyee		
Cell phone/automated voice	Provided to Surveyee	Provided to Surveyee		
Cell phone/automated data	Provided to Surveyee	Provided to Surveyee		
Facsimile	Provided to Surveyee	Provided to Surveyee		
Other (please specify)				
Do not distribute information				

No Changes

15b. Methods used to distribute arterial speeds to the public.

	Distributed in 1999	1999 Plan to Distribute by 2005	Distribute in 2000	2000 Plan to Distribute by 2005
Dedicated cable TV	Provided to Surveyee	Provided to Surveyee		
Automated telephone system	Not Collected in 1999	Not Collected in 1999		
Internet Web sites	Provided to Surveyee	Provided to Surveyee		
Pagers or personal data assistants	Provided to Surveyee	Provided to Surveyee		
Interactive TV	Provided to Surveyee	Provided to Surveyee		
Kiosks	Provided to Surveyee	Provided to Surveyee		
E-mail or other direct PC communication	Provided to Surveyee	Provided to Surveyee		
In-vehicle navigation systems	Provided to Surveyee	Provided to Surveyee		
Cell phone/automated voice	Provided to Surveyee	Provided to Surveyee		
Cell phone/automated data	Provided to Surveyee	Provided to Surveyee		
Facsimile	Provided to Surveyee	Provided to Surveyee		
Other (please specify)				
Do not distribute information				

No Changes

15c. Methods used to distribute arterial incident location and severity to the public.

	Distributed in 1999	1999 Plan to Distribute by 2005	Distribute in 2000	2000 Plan to Distribute by 2005
Dedicated cable TV	Provided to Surveyee	Provided to Surveyee		
Automated telephone system	Not Collected in 1999	Not Collected in 1999		
Internet Web sites	Provided to Surveyee	Provided to Surveyee		
Pagers or personal data assistants	Provided to Surveyee	Provided to Surveyee		
Interactive TV	Provided to Surveyee	Provided to Surveyee		
Kiosks	Provided to Surveyee	Provided to Surveyee		
E-mail or other direct PC communication	Provided to Surveyee	Provided to Surveyee		
In-vehicle navigation systems	Provided to Surveyee	Provided to Surveyee		
Cell phone/automated voice	Provided to Surveyee	Provided to Surveyee		
Cell phone/automated data	Provided to Surveyee	Provided to Surveyee		
Facsimile	Provided to Surveyee	Provided to Surveyee		
Other (please specify)				
Do not distribute information				

No Changes

15d. Methods used to distribute other information to the public (e.g., weather, special events). This information was not collected in 1999.

	Distribute in 2000	2000 Plan to Distribute by 2005
Dedicated cable TV		
Automated telephone system		
Internet Web sites		
Pagers or personal data assistants		
Interactive TV		
Kiosks		
E-mail or other direct PC communication		
In-vehicle navigation systems		
Cell phone/automated voice		
Cell phone/automated data		
Facsimile		
Other (please specify)		
Do not distribute information		

No Changes

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

COST AND BENEFIT INFORMATION

16. 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. This database provides ITS cost data for ITS implementation and is accessible at the following URL: <http://www.its.dot.gov/eval/itsbenefits.htm>.

No

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.

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

17. Is your agency willing to share information on BENEFITS from ITS deployment?

No

Yes

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

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

NATIONAL ITS ARCHITECTURE

18. Have any members of your staff attended USDOT-sponsored National ITS Architecture training courses?

Yes

No

If not, why not? (check as many as apply)

We are unaware of the availability USDOT-sponsored architecture training courses.

We are aware of such training, but have no funding to support staff participation.

We plan to send a member of our staff to the training courses within the year.

We are aware of such training, but it is not a priority to send staff to participate.

Other (please specify)

Don't Know

19. Is your agency involved in an organized effort to develop a regional ITS architecture?

Yes

If yes, what is the status of the regional architecture?

Our region has a fully developed regional ITS architecture undergoing continuing development and updating.

Our regional ITS architecture is under initial development

No

If not, why not?

There is no such effort under way in our region. Go to question 24

There is such an effort in our region, but we are not involved with it. Go to question 24

Don't know if my agency is involved with architecture development. Go to question 24

20. If you answered yes to question 19, what other agencies are involved, and which one is the lead for the effort? Check the type(s) of agency involved in the effort (Do not check your own agency type unless there is another agency of your type that is involved with the effort.) Circle the agency that is leading the regional architecture effort (If you are the lead agency, circle your agency type; if it is also checked, we will know that you are the lead and there is another agency of your type involved in the effort.)

- State department of transportation
- County highway authority(s)
- City transportation department(s)
- Transit property(s)
- Rail agency
- MPO
- Fire department(s)
- Local police department(s)
- State police/Highway patrol
- Other emergency services provider(s) (please specify)

- Toll authority(s)
- Airport authority
- Other port authority (please specify)

- Freight shippers (private sector)
- Traveler information service providers (private sector)
- Other (please specify)

- Don't know

21. What is the nature of the regional architecture?

- Encompasses a single county
- Encompasses more than one county
- Encompasses entire state
- Encompasses a corridor
- Don't know

22. Have you attempted to develop project architectures within your regional architecture? If so, how many?

- Yes
 - Number:
- No
- Don't Know

23. How long has your agency been involved with the region's architecture development effort?

- Less than one year
- One to two years
- Longer than two years
- Don't know

24. Has any organization provided you with information concerning architecture development activities?

No

Go to question 25

Don't know

Go to question 25

Yes

Please indicate which organization and check if the information was useful.

Organization	Check if Information Was Received	Check if Information Was Useful
FHWA		
ITS America State Chapter		
FTA		
ITS America (national)		
APTA		
ITE		
AASHTO		
APA		
AMPO		
Other (please specify)		

25. SHARING, IN REAL-TIME, TIMING PLANS, COORDINATING CHANGES TO TIMING PLANS, AND/OR TURNING OVER CONTROL OF SIGNALS: The following information is used to determine the extent to which your agency is integrated with other arterial management agencies in your metropolitan area. Integration can occur through the sharing of information describing pre-agreed upon timing plans, coordination of changes to pre-agreed upon timing plans, and turning over control of signals during non-peak hours or special events. Please review the first column of each category which contains information your agency provided in 1999. Enter any changes for 2000 in the second column of each category or check the box at the bottom if there are no changes.

Arterial Management Agencies	Share timing plans information in real-time		Coordinate changes to timing plans		Turn over control of signals	
	1999	2000	1999	2000	1999	2000
Agency 1*	Provided to Surveyee		Provided to Surveyee		Provided to Surveyee	
Agency 2*	Provided to Surveyee		Provided to Surveyee		Provided to Surveyee	
Agency 3*	Provided to Surveyee		Provided to Surveyee		Provided to Surveyee	
.....	Provided to Surveyee		Provided to Surveyee		Provided to Surveyee	
Agency N*	Provided to Surveyee		Provided to Surveyee		Provided to Surveyee	
Other (please specify)						
Do not share information, coordinate changes, or turn over control of signals						

*Name of agency provided to surveyee based on surveyee's responses to the 1999 ITS DTS.

No Changes

26. TOLL COLLECTION AGENCIES FROM WHICH YOUR AGENCY CURRENTLY RECEIVES ARTERIAL TRAVEL TIMES DERIVED FROM VEHICLE PROBES:

Please review the first column containing information your agency provided in 1999. Enter any changes for 2000 in the second column or check the box at the bottom if there are no changes.

	1999	2000
Agency 1*	Provided to Surveyee	
Agency 2*	Provided to Surveyee	
Agency 3*	Provided to Surveyee	
.....	Provided to Surveyee	
Agency N*	Provided to Surveyee	
Other (please specify)		
Do not receive		

*Name of agency provided to surveyee based on surveyee's responses to the 1999 ITS DTS.

No Changes

27. SENDING INFORMATION: The following information is used to determine the extent to which your 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 arterial travel times, speeds, and conditions information 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 review the first column of each category which contains information your agency provided in 1999. Enter any changes for 2000 in the second column of each category or check the box at the bottom if there are no changes.

Arterial Management Agencies	Provide real-time arterial conditions to:		Share infrastructure with:		Coordinate operation with:	
	1999	2000	1999	2000	1999	2000
Agency 1*	Provided to Surveyee		Provided to Surveyee		Provided to Surveyee	
Agency 2*	Provided to Surveyee		Provided to Surveyee		Provided to Surveyee	
Agency 3*	Provided to Surveyee		Provided to Surveyee		Provided to Surveyee	
.....	Provided to Surveyee		Provided to Surveyee		Provided to Surveyee	
Agency N*	Provided to Surveyee		Provided to Surveyee		Provided to Surveyee	
Other (please specify)						

*Name of agency provided to surveyee based on surveyee's responses to the 1999 ITS DTS.

No Changes

Public Transit Agencies	Provide real-time arterial conditions to:		Share infrastructure with:		Coordinate operation with:	
	1999	2000	1999	2000	1999	2000
Agency 1*	Provided to Surveyee		Provided to Surveyee		Provided to Surveyee	
Agency 2*	Provided to Surveyee		Provided to Surveyee		Provided to Surveyee	
.....	Provided to Surveyee		Provided to Surveyee		Provided to Surveyee	
Agency N*	Provided to Surveyee		Provided to Surveyee		Provided to Surveyee	
Other (please specify)						

*Name of agency provided to surveyee based on surveyee's responses to the 1999 ITS DTS.

No Changes

Agencies involved in highway incident management	Provide real-time arterial conditions to:		Share infrastructure with:		Coordinate operation with:	
	1999	2000	1999	2000	1999	2000
Agency 1*	Provided to Surveyee		Provided to Surveyee		Provided to Surveyee	
Agency 2*	Provided to Surveyee		Provided to Surveyee		Provided to Surveyee	
.....	Provided to Surveyee		Provided to Surveyee		Provided to Surveyee	
Agency N*	Provided to Surveyee		Provided to Surveyee		Provided to Surveyee	
Other (please specify)						

*Name of agency provided to surveyee based on surveyee's responses to the 1999 ITS DTS.

No Changes

Freeway Management Agencies	Provide real-time arterial conditions to:		Share infrastructure with:		Coordinate operation with:	
	1999	2000	1999	2000	1999	2000
Agency 1*	Provided to Surveyee		Provided to Surveyee		Provided to Surveyee	
Agency 2*	Provided to Surveyee		Provided to Surveyee		Provided to Surveyee	
.....	Provided to Surveyee		Provided to Surveyee		Provided to Surveyee	
Agency N*	Provided to Surveyee		Provided to Surveyee		Provided to Surveyee	
Other (please specify)						
Do not share information, infrastructure, or coordinate operation						

*Name of agency provided to surveyee based on surveyee's responses to the 1999 ITS DTS.

No Changes

28. Does your agency receive information on highway-rail intersection crossing blockages for the purpose of managing incident response?

1999 Response	2000 Response
Provided to Surveyee	Yes No

SERVICE PATROLS

29. Type of service patrol vehicles

Please review the first column(s) containing information your agency provided in 1999. Enter any changes for 2000 in the next column(s) or check the box at the bottom if there are no changes.

	1999 Response	2000 Response
Publicly operated service patrol vehicles	Provided to Surveyee	
Privately operated service patrol vehicles operated under public contract	Provided to Surveyee	
None of the above	Provided to Surveyee	

No Changes

NOTE: The "2000 Estimated by 2005" figures and selection information are not included in the companion Excel Spreadsheets.

	Deployed in 1999	1999 Estimated Deployed by 2005	Deployed in 1999	2000 Estimated Deployed by 2005
Total number of arterial miles patrolled by these services	Provided to Surveyee	Provided to Surveyee		
Total number of vehicles operated	Not Collected in 1999	Not Collected in 1999		

No Changes

INCIDENT DETECTION

Please review the first two columns containing information your agency provided in 1999. Enter any changes for 2000 in the next two columns or check the box at the bottom if there are no changes.

NOTE: The "2000 Estimated by 2005" figures and selection information are not included in the companion Excel Spreadsheets.

30a. Incident detection methods

Method	Miles Covered by Method			
	Coverage in 1999	1999 Estimated Coverage by 2005	Coverage in 2000	2000 Estimated Coverage by 2005
Free cellular phone call to a dedicated phone number other than 911	Provided to Surveyee	Provided to Surveyee		
Free cellular phone call to an area radio	Provided to Surveyee	Provided to Surveyee		
Cell call to 911	Not Collected in 1999	Not Collected in 1999		
Cellular E-911 (allows locating cell caller)	Not Collected in 1999	Not Collected in 1999		
Service patrol and/or maintenance vehicles	Not Collected in 1999	Not Collected in 1999		
Police Computer	Provided to Surveyee	Provided to Surveyee		
CCTV	Provided to Surveyee	Provided to Surveyee		
Private sector sources (e.g., Metro Traffic, SmartRoutes)	Provided to Surveyee	Provided to Surveyee		
Call boxes	Not Collected in 1999	Not Collected in 1999		
Other (please specify)				
Do not detect incidents				

No Changes

30b. Incident verification methods

Method	Miles Covered by Method			
	Coverage in 1999	1999 Estimated Coverage by 2005	Coverage in 2000	2000 Estimated Coverage by 2005
Free cellular phone call to a dedicated phone number other than 911	Provided to Surveyee	Provided to Surveyee		
Free cellular phone call to an area radio	Provided to Surveyee	Provided to Surveyee		
Cell call to 911	Not Collected in 1999	Not Collected in 1999		
Cellular E-911 (allows locating cell caller)	Not Collected in 1999	Not Collected in 1999		
Service patrol and/or maintenance vehicles	Not Collected in 1999	Not Collected in 1999		
Police Computer	Provided to Surveyee	Provided to Surveyee		
CCTV	Provided to Surveyee	Provided to Surveyee		
Private sector sources (e.g., Metro Traffic, SmartRoutes)	Provided to Surveyee	Provided to Surveyee		
Call boxes	Not Collected in 1999	Not Collected in 1999		
Other (please specify)				
Do not verify incidents				

No Changes

31. Do you have a formal multi-agency Incident Management program in your region?

- No
- Yes

Please provide the following information:

a. What are the components of the program (Check all that apply)

- Program goals, objectives, performance measures and thresholds
- Legislation
- Agency agreements and policies
- Training
- ITS deployment
- Operational plans and procedures
- Performance monitoring and evaluation
- Area incident response teams
- Specific incident response
- Other (Please specify)

b. Are there geographic boundaries of this program?

- Yes
- No

c. Is it limited to only arterials?

- Yes
- No

d. Is there a multi-year IM program plan that provides the direction of the regional IM program and future initiatives to be undertaken related to all of the identified components of the program?

- Yes
- No

32. If there is anything else you want to tell us about any ITS efforts 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.

33. 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.

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