



*Metropolitan
Intelligent Transportation Systems (ITS) Infrastructure
2000 Transit Management Survey*



What are Intelligent Transportation Systems (ITS)?

The term "intelligent transportation system" means electronics, communications, or information processing used singly or in combination to improve the efficiency or safety of a surface transportation system.

Transportation Equity Act for the 21st Century

This survey is one of several that are being distributed to a selected group of transportation agencies in 78 of the largest metropolitan areas in the United States. It is designed to collect changes made by your metropolitan area in the last year. The information collected by this survey is used by the U.S. Department of Transportation for ITS program planning, goal setting, performance assessment, and professional capacity building.

We are providing the information collected from your agency in 1999 and are asking you to make any changes that reflect conditions in your metropolitan area as of June 2000 as well as any changes to the 2005 estimate provided in 1999 in the space provided. If there are no changes from last year, please indicate so by checking the "2000 data same as 1999 response" box. There are also some additional questions that were not asked in 1999. A prompt response is appreciated.

Results of the 1999 data gathering effort are available at the following web site:
<http://itsdeployment.ed.ornl.gov/its99>. Site reports can be directly viewed or downloaded from the following URL: <http://itsdeployment.ed.ornl.gov/its99/sitereports.html>.

Please address any technical questions concerning this survey to either Jeff Trombly at 865-481-8563 or Juan Noltenius at 865-481-2839.

Thank you for your help.

Please mail the completed survey to:
 Angela Ryan
 Science Applications International Corporation
 P.O.Box 2501
 Oak Ridge, TN 37831-2501
 Or Fax it at: 865-481-2941



The questions in this survey apply to directly operated services your agency provides within the metropolitan planning area boundary depicted on the map on the previous page.

1. National Transit Database (NTD) number:

2. VEHICLES USED IN REVENUE SERVICE:

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.

	Total in 1999	1999 Estimated Total by 2005	Total in 2000	2000 Estimated Total by 2005
Fixed Route Bus.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Flexible Route Bus.....	Not collected in 1999		<input type="text"/>	<input type="text"/>
Heavy or Rapid Rail.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Light Rail.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Demand Responsive.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Commuter Rail.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Ferry Boat.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

2000 data same as 1999 response

3a. AUTOMATED VEHICLE LOCATION (AVL) SYSTEM STATUS:

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.

STATUS:	Status in 1999	Status in 2000
Operational (Fully operational only).....	<input type="checkbox"/>	<input type="checkbox"/>
Implementation Phase (If at least a contract has been signed).....	<input type="checkbox"/>	<input type="checkbox"/>
Planning Phase (A planning grant has been awarded, or local money has been allocated [i.e. unified planning work program by 2005 in the adopted 20 year transportation plan], or an RFP has been issued).....	<input type="checkbox"/>	<input type="checkbox"/>
Do not have or plan to have.....	<input type="checkbox"/>	<input type="checkbox"/> Go to question 4

2000 data same as 1999 response



3b. PRIMARY AND SECONDARY LOCATION TECHNOLOGIES USED OR TO BE USED:

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

	Primary Technology				Secondary Technology			
	Used in 1999	1999 Plan to use by 2005	Use in 2000	2000 Plan to use by 2005	Used in 1999	1999 Plan to use by 2005	Use in 2000	2000 Plan to use by 2005
GPS.....	<input type="checkbox"/>							
Differential GPS.....	<input type="checkbox"/>							
Signpost/Odometer.....	<input type="checkbox"/>							
Dead-Reckoning.....	<input type="checkbox"/>							
LORAN C.....	<input type="checkbox"/>							
Other _____			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

2000 data same as 1999 response

3c. NUMBER OF VEHICLES EQUIPPED WITH AVL:

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.

	Total in 1999	1999 Estimated Total by 2005	Total in 2000	2000 Estimated Total by 2005
Fixed Route Bus.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Flexible Route Bus.....	Not collected in 1999		<input type="text"/>	<input type="text"/>
Heavy or Rapid Rail.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Light Rail.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Demand Responsive.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Commuter Rail.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Ferry Boat.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

2000 data same as 1999 response



4. MOTOR BUSES OPERATED AS 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.

	Total in 1999	Total in 2000
Motor buses used as probes to collect travel time, speed, and conditions on FREEWAYS.....	<input type="text"/>	<input type="text"/>
Motor buses used as probes to collect travel time, speed, and conditions on ARTERIALS.....	<input type="text"/>	<input type="text"/>

2000 data same as 1999 response

5. ORGANIZED REGIONAL INCIDENT MANAGEMENT PROGRAM:

	Reporting in 1999	Reporting in 2000
Agency operators or dispatchers reporting traffic incidents (e.g. stalled vehicles, crashes)	<input type="text"/>	<input type="text"/>

2000 data same as 1999 response

6. AUTOMATED TRAVELER INFORMATION SYSTEM (ATIS):

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.

STATUS:	Status in 1999	Status in 2000
Operational (Fully operational only).....	<input type="checkbox"/>	<input type="checkbox"/>
Implementation Phase (If at least a contract has been signed).....	<input type="checkbox"/>	<input type="checkbox"/>
Planning Phase (A planning grant has been awarded, or local money has been allocated [i.e. unified planning work program by 2005 in the adopted 20 year transportation plan], or an RFP has been issued).....	<input type="checkbox"/>	<input type="checkbox"/>
Do not have or plan to have.....	<input type="checkbox"/>	<input type="checkbox"/> Go to question 7

	1999 Response	2000 Response
Information is or will be REAL-TIME.....	<input type="text"/>	<input type="text"/>

2000 data same as 1999 response



6. (Continued)

Services the automated traveler information system applies or will apply to:

	1999 Response	2000 Response
Fixed Route Bus.....	<input type="checkbox"/>	<input type="checkbox"/>
Flexible Route Bus.....	Not collected in 1999	
Heavy Rail.....	<input type="checkbox"/>	<input type="checkbox"/>
Light Rail.....	<input type="checkbox"/>	<input type="checkbox"/>
Demand Responsive.....	<input type="checkbox"/>	<input type="checkbox"/>
Commuter Rail.....	<input type="checkbox"/>	<input type="checkbox"/>
Ferry Boat.....	<input type="checkbox"/>	<input type="checkbox"/>

	1999 Response	2000 Response
Is or will be multi-carrier/multi-modal with other transit operators.....	<input type="text"/>	<input type="text"/>
Is or will be multi-carrier/multi-modal with highway information.....	<input type="text"/>	<input type="text"/>

2000 data same as 1999 response

METHODS USED TO DISTRIBUTE TRANSIT ROUTES, SCHEDULES, AND FARE INFORMATION TO THE PUBLIC:

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.

	1999 Distributed in 1999	1999 Plan to Distribute by 2005	2000 Distribute in 2000	2000 Plan to Distribute by 2005
Dedicated cable TV.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Automated telephone system.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Internet Web sites.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pagers or personal data assistants.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Interactive TV.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kiosks.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E-mail or other direct PC communication...	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
In-vehicle navigation systems.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cell phone/automated voice.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cell phone/automated data.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Variable Message Signs (in vehicle).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Monitors/VMS (not in vehicle).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Audible Enunciators.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Facsimile.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify)_____			<input type="checkbox"/>	<input type="checkbox"/>
Don not distribute information.....			<input type="checkbox"/>	<input type="checkbox"/>

2000 data same as 1999 response



6. (Continued)

METHODS USED TO DISTRIBUTE REAL-TIME TRANSIT SCHEDULE ADHERENCE OR ARRIVAL AND DEPARTURE TIMES TO THE PUBLIC:

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.

	1999 Distributed in 1999	1999 Plan to Distribute by 2005	2000 Distribute in 2000	2000 Plan to Distribute by 2005
Dedicated cable TV.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Automated telephone system.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Internet Web sites.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pagers or personal data assistants.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Interactive TV.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kiosks.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E-mail or other direct PC communication...	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
In-vehicle navigation systems.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cell phone/automated voice.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cell phone/automated data.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Variable Message Signs (in vehicle).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Monitors/VMS (not in vehicle).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Audible Enunciators.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Facsimile.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify)_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Don not distribute information.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

World Wide Web sites providing transit information to the public:

Organizations (public or private) to which your agency sends information for dissemination to the public:

2000 data same as 1999 response



NUMBER OF LOCATIONS WHERE TRAVELER INFORMATION IS OR WILL BE AVAILABLE TO THE PUBLIC:

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.

	Locations in 1999	1999 Planed locations by 2005	Locations in 2000	2000 Planed locations by 2005
Total number of bus stops on fixed and flexible transit routes.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Number of bus stops on fixed transit routes that electronically display or will display automated and dynamic traveler information to the public.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Total number of rail stations.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Number of rail stations that electronically display or will display automated and dynamic traveler information to the public.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Number of other locations that electronically display or will display automated and dynamic traveler information to the public (please describe).....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

2000 data same as 1999 response

NUMBER OF VEHICLES ON WHICH THE TRAVELER INFORMATION SYSTEM (e.g. VMS OR AUDIBLE ENUNCIATORS) IS AVAILABLE OR WILL BE AVAILABLE:

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.

	Total in 1999	1999 Estimated Total by 2005	Total in 2000	2000 Estimated Total by 2005
Fixed Route Bus.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Flexible Route Bus.....	Not collected in 1999		<input type="text"/>	<input type="text"/>
Heavy or Rapid Rail.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Light Rail.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Demand Responsive.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Commuter Rail.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Ferry Boat.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

2000 data same as 1999 response



7. COMMUNICATIONS TECHNOLOGY:

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		1999	2000
	Response	Response		Response	Response
Radio system is <i>Digital</i>	<input type="checkbox"/>	<input type="checkbox"/>	Radio system is <i>Trunked</i>	<input type="checkbox"/>	<input type="checkbox"/>
Radio system is <i>Analog</i>	<input type="checkbox"/>	<input type="checkbox"/>	Radio system is <i>Regular</i>	<input type="checkbox"/>	<input type="checkbox"/>

	1999	2000
	Response	Response
Radio system is not <i>digital</i> and <i>trunked</i> and are planning or implementing an upgrade.....	<input type="checkbox"/>	<input type="checkbox"/>

STATUS:

	Status	Status
	in 1999	in 2000
Digital Operational (Fully operational only).....	<input type="checkbox"/>	<input type="checkbox"/>
Trunked Operational (Fully operational only).....	<input type="checkbox"/>	<input type="checkbox"/>
Implementation Phase (If at least a contract has been signed).....	<input type="checkbox"/>	<input type="checkbox"/>
Planning Phase (A planning grant has been awarded, or local money has been allocated [i.e. unified planning work program by 2005 in the adopted 20 year transportation plan], or an RFP has been issued).....	<input type="checkbox"/>	<input type="checkbox"/>

UPGRADING TO:

	1999	2000
	Response	Response
Digital.....	<input type="checkbox"/>	<input type="checkbox"/>
Trunked.....	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify)_____		

Services that currently use or will use *digital* or *trunked* radio systems:

	Digital Only				Trunked Only			
	Used in 1999	1999 Plan by 2005	Use in 2000	2000 Plan by 2005	Used in 1999	1999 Plan by 2005	Use in 2000	2000 Plan by 2005
Fixed Route Bus.....	<input type="checkbox"/>							
Flexible Route Bus.....	Not collected		<input type="checkbox"/>	<input type="checkbox"/>	Not collected		<input type="checkbox"/>	<input type="checkbox"/>
Heavy or Rapid Rail.....	<input type="checkbox"/>							
Light Rail.....	<input type="checkbox"/>							
Demand Responsive.....	<input type="checkbox"/>							
Commuter Rail.....	<input type="checkbox"/>							
Ferry Boat.....	<input type="checkbox"/>							

2000 data same as 1999 response

Is your radio system compatible with other agencies (police, fire, medical, other transit agencies, FHWA, FAA, etc.)?

Yes
 No



8. AUTOMATIC PASSENGER COUNTERS (APCs):

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.

STATUS:	Status in 1999	Status in 2000
Operational (Fully operational only).....	<input type="checkbox"/>	<input type="checkbox"/>
Implementation Phase (If at least a contract has been signed).....	<input type="checkbox"/>	<input type="checkbox"/>
Planning Phase (A planning grant has been awarded, or local money has been allocated [i.e. unified planning work program by 2005 in the adopted 20 year transportation plan], or an RFP has been issued).....	<input type="checkbox"/>	<input type="checkbox"/>
Do not have or plan to have.....	<input type="checkbox"/>	<input type="checkbox"/> Go to question 9

IT COUNTS OR WILL COUNT PASSENGERS WITH:

	1999 Response	2000 Response
Treadle Mats.....	<input type="checkbox"/>	<input type="checkbox"/>
Infrared Beams.....	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify)_____		

2000 data same as 1999 response

PRIMARY AND SECONDARY LOCATION TECHNOLOGIES USED OR TO BE USED:

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

	Primary Technology				Backup Technology			
	Used in 1999	1999 Plan to use by 2005	Use in 2000	2000 Plan to use by 2005	Used in 1999	1999 Plan to use by 2005	Use in 2000	2000 Plan to use by 2005
GPS.....	<input type="checkbox"/>	<input type="checkbox"/>						
Differential GPS.....	<input type="checkbox"/>	<input type="checkbox"/>						
Signpost/Odometer.....	<input type="checkbox"/>	<input type="checkbox"/>						
Dead-Reckoning.....	<input type="checkbox"/>	<input type="checkbox"/>						
LORAN C.....	<input type="checkbox"/>	<input type="checkbox"/>						
Other_____			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

2000 data same as 1999 response



8. (Continued)

NUMBER OF VEHICLES THAT HAVE OR WILL HAVE APCs:

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.

	Available in 1999	1999 Estimated Available by 2005	Available in 2000	2000 Estimated Available by 2005
Fixed Route Bus.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Flexible Route Bus.....	Not collected in 1999		<input type="text"/>	<input type="text"/>
Heavy or Rapid Rail.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Light Rail.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Demand Responsive.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Commuter Rail.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Ferry Boat.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

2000 data same as 1999 response

9. REAL-TIME MONITORING OF VEHICLE COMPONENTS:

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.

STATUS:	Status in 1999	Status in 2000
Operational (Fully operational only).....	<input type="checkbox"/>	<input type="checkbox"/>
Implementation Phase (If at least a contract has been signed).....	<input type="checkbox"/>	<input type="checkbox"/>
Planning Phase (A planning grant has been awarded, or local money has been allocated [i. e. unified planning work program by 2005 in the adopted 20 year transportation plan], or an RFP has been issued).....	<input type="checkbox"/>	<input type="checkbox"/>
Do not have or plan to have.....	<input type="checkbox"/>	<input type="checkbox"/> Go to question 10

2000 data same as 1999 response



9. (Continued)

NUMBER OF VEHICLES WHERE REAL-TIME MONITORING OF VEHICLE COMPONENTS IS AVAILABLE OR WILL BE AVAILABLE:

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.

	1999 Available in 1999	1999 Estimated Available by 2005	2000 Available in 2000	2000 Estimated Available by 2005
Fixed Route Bus.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Flexible Route Bus.....	Not collected in 1999		<input type="text"/>	<input type="text"/>
Heavy or Rapid Rail.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Light Rail.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Demand Responsive.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Commuter Rail.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Ferry Boat.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

2000 data same as 1999 response

10. COMPUTER ASSISTED DISPATCHING OR CONTROL SOFTWARE*:

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.

STATUS:	Status in 1999	Status in 2000
Operational (Fully operational only).....	<input type="checkbox"/>	<input type="checkbox"/>
Implementation Phase (If at least a contract has been signed).....	<input type="checkbox"/>	<input type="checkbox"/>
Planning Phase (A planning grant has been awarded, or local money has been allocated [i.e. unified planning work program by 2005 in the adopted 20 year transportation plan], or an RFP has been issued).....	<input type="checkbox"/>	<input type="checkbox"/>
Do not have or plan to have.....	<input type="checkbox"/>	<input type="checkbox"/> Go to question 11

2000 data same as 1999 response

*Software that displays AVL-equipped vehicle locations, vehicle data, and operator data on dispatcher monitors, automated control software for light or heavy rail systems, automated scheduling software for demand responsive service.



10. (Continued)

NUMBER OF VEHICLES WHERE AUTOMATED DISPATCHING OR CONTROL SOFTWARE IS AVAILABLE OR WILL BE AVAILABLE:

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.

	Total in 1999	1999 Estimated Total by 2005	Total in 2000	2000 Estimated Total by 2005
Fixed Route Bus.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Flexible Route Bus.....	Not collected in 1999		<input type="text"/>	<input type="text"/>
Heavy or Rapid Rail.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Light Rail.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Demand Responsive.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Commuter Rail.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Ferry Boat.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

2000 data same as 1999 response

11. COORDINATION OF TRAVEL REQUESTS AND VEHICLE DISPATCHING FOR MULTIPLE AGENCIES (e.g. social service agencies, HHS, transit agencies, etc.):

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.

STATUS:	Status in 1999	Status in 2000
Operational (Fully operational only).....	<input type="checkbox"/>	<input type="checkbox"/>
Implementation Phase (If at least a contract has been signed).....	<input type="checkbox"/>	<input type="checkbox"/>
Planning Phase (A planning grant has been awarded, or local money has been allocated [i.e. unified planning work program by 2005 in the adopted 20 year transportation plan], or an RFP has been issued).....	<input type="checkbox"/>	<input type="checkbox"/>
Do not coordinate of plan to coordinate.....	<input type="checkbox"/>	<input type="checkbox"/>

2000 data same as 1999 response



12. TRANSPORTATION MANAGEMENT CENTER THAT CONTROLS TRANSIT AND HIGHWAY MODES (e.g. traffic signals, message signs, incident management, etc.):

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.

STATUS:	Status in 1999	Status in 2000
Operational (Fully operational only).....	<input type="checkbox"/>	<input type="checkbox"/>
Implementation Phase (If at least a contract has been signed).....	<input type="checkbox"/>	<input type="checkbox"/>
Planning Phase (A planning grant has been awarded, or local money has been allocated [i.e. unified planning work program by 2005 in the adopted 20 year transportation plan], or an RFP has been issued).....	<input type="checkbox"/>	<input type="checkbox"/>
No TMC that controls transit and highway modes.....	<input type="checkbox"/>	<input type="checkbox"/> Go to question 13
Do not know.....	<input type="checkbox"/>	<input type="checkbox"/> Go to question 13

MODES THAT THE TMC CURRENTLY CONTROLS OR WILL CONTROL:

	1999 Response	2000 Response
Fixed Route Bus.....	<input type="checkbox"/>	<input type="checkbox"/>
Flexible Route Bus.....	Not collected in 1999	<input type="checkbox"/>
Heavy Rail.....	<input type="checkbox"/>	<input type="checkbox"/>
Light Rail.....	<input type="checkbox"/>	<input type="checkbox"/>
Demand Responsive.....	<input type="checkbox"/>	<input type="checkbox"/>
Commuter Rail.....	<input type="checkbox"/>	<input type="checkbox"/>
Ferry Boat.....	<input type="checkbox"/>	<input type="checkbox"/>
Highways.....	<input type="checkbox"/>	<input type="checkbox"/>

2000 data same as 1999 response

13. TRAFFIC SIGNAL PRIORITY:

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.

STATUS:	Status in 1999	Status in 2000
Operational (Fully operational only).....	<input type="checkbox"/>	<input type="checkbox"/>
Implementation Phase (If at least a contract has been signed).....	<input type="checkbox"/>	<input type="checkbox"/>
Planning Phase (A planning grant has been awarded, or local money has been allocated [i.e. unified planning work program by 2005 in the adopted 20 year transportation plan], or an RFP has been issued).....	<input type="checkbox"/>	<input type="checkbox"/>
Do not have or plan to have.....	<input type="checkbox"/>	<input type="checkbox"/> Go to question 14

2000 data same as 1999 response



13. Continue.

PRIORITY GRANTED:

	1999 Response	2000 Response
All the time.....	<input type="checkbox"/>	<input type="checkbox"/>
Don't know.....	<input type="checkbox"/>	<input type="checkbox"/>

1999 2000
Response Response

Only when vehicle is minutes late.

PRIORITY ACTIVATED:

	1999 Response	2000 Response
Driver actuated.....	<input type="checkbox"/>	<input type="checkbox"/>
By AVL.....	<input type="checkbox"/>	<input type="checkbox"/>
Don't Know.....	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify) _____		

NUMBER OF VEHICLES THAT ARE GIVEN OR WILL BE GIVEN TRAFFIC SIGNAL PRIORITY:

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.

	1999 Available in 1999	1999 Estimated Available by 2005	2000 Available in 2000	2000 Estimated Available by 2005
Fixed Route Bus.....	<input style="width: 40px; height: 20px;" type="text"/>			
Flexible Route Bus.....	Not collected in 1999		<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>
Light Rail.....	<input style="width: 40px; height: 20px;" type="text"/>			
Demand Responsive.....	<input style="width: 40px; height: 20px;" type="text"/>			

2000 data same as 1999 response

Number of signals that can be activated by these vehicles: (this information was not collected in 1999).....

14. RAMP METER PRIORITY:

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.

STATUS:	Status in 1999	Status in 2000
Operational (Fully operational only).....	<input type="checkbox"/>	<input type="checkbox"/>
Implementation Phase (If at least a contract has been signed).....	<input type="checkbox"/>	<input type="checkbox"/>
Planning Phase (A planning grant has been awarded, or local money has been allocated [i.e. unified planning work program by 2005 in the adopted 20 year transportation plan], or an RFP has been issued).....	<input type="checkbox"/>	<input type="checkbox"/>
Do not have or plan to have.....	<input type="checkbox"/>	<input type="checkbox"/> Go to question 15

2000 data same as 1999 response



14. Continue.

NUMBER OF VEHICLES THAT ARE GIVEN OR WILL BE GIVEN RAMP METER SIGNAL PRIORITY:
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.

	Available in 1999	1999 Estimated Available by 2005	Available in 2000	2000 Estimated Available by 2005
Fixed Route Bus.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Flexible Route Bus.....	Not collected in 1999		<input type="text"/>	<input type="text"/>
Demand Responsive.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

2000 data same as 1999 response

Number of ramps that can be activated by these vehicles: (this information was not collected in 1999).....

15. NAVIGATION AIDS (i.e., in-vehicle map display):

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.

Number of vehicles that are currently equipped or will be equipped with navigation aids:

	Available in 1999	1999 Estimated Available by 2005	Available in 2000	2000 Estimated Available by 2005
Fixed Route Bus.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Flexible Route Bus.....	Not collected in 1999		<input type="text"/>	<input type="text"/>
Heavy or Rapid Rail.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Light Rail.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Demand Responsive.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Commuter Rail.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Ferry Boat.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

2000 data same as 1999 response



16. ELECTRONIC FARE PAYMENT SYSTEM (Other than registering fare boxes):

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.

STATUS:	Status in 1999	Status in 2000	
Operational (Fully operational only).....	<input type="checkbox"/>	<input type="checkbox"/>	
Implementation Phase (If at least a contract has been signed).....	<input type="checkbox"/>	<input type="checkbox"/>	
Planning Phase (A planning grant has been awarded, or local money has been allocated [i.e. unified planning work program by 2005 in the adopted 20 year transportation plan], or an RFP has been issued).....	<input type="checkbox"/>	<input type="checkbox"/>	
Do not have or plan to have.....	<input type="checkbox"/>	<input type="checkbox"/>	Go to question 21

2000 data same as 1999 response

Please review the first column in each category containing 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.

The fare is or will be paid:	Magnetic Stripe		Smart Card		Debit Card		Credit Card	
	Paid in 1999	Paid in 2000						
Stored value card with the fare deducted for each trip.....	<input type="checkbox"/>							
Billed by the month for trips taken.....	<input type="checkbox"/>							
Monthly pass.....	<input type="checkbox"/>							
Other (please specify)_____								

	1999 Response	2000 Response
Agency stores electronically collected fare payment data for use in route and service planning.....	<input type="checkbox"/>	<input type="checkbox"/>

2000 data same as 1999 response



16. Continued

Number of vehicles/stations that are equipped with automated payment mechanism/ or will be equipped with automated payment mechanism. Please review the first two columns of each category containing information your agency provided in 1999. Enter any changes for 2000 in the next two columns of each category or check the box at the bottom if there are no changes.

	Magnetic Stripe Readers				Smart Card Readers (with embedded computer chip)			
	Total in 1999	1999 Estimated Total by 2005	Total in 2000	2000 Estimated Total by 2005	Total in 1999	1999 Estimated Total by 2005	Total in 2000	2000 Estimated Total by 2005
Fixed Route Bus Vehicles.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Flexible Route Bus Vehicles..	Not collected in 1999		<input type="text"/>	<input type="text"/>	Not collected in 1999		<input type="text"/>	<input type="text"/>
Heavy or Rapid Rail Stations.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Light Rail Stations.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Demand Responsive Vehicles	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Commuter Rail Stations.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Ferry Boat Landings.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

	Credit Card				Debit Card			
	Total in 1999	1999 Estimated Total by 2005	Total in 2000	2000 Estimated Total by 2005	Total in 1999	1999 Estimated Total by 2005	Total in 2000	2000 Estimated Total by 2005
Fixed Route Bus Vehicles.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Flexible Route Bus Vehicles..	Not collected in 1999		<input type="text"/>	<input type="text"/>	Not collected in 1999		<input type="text"/>	<input type="text"/>
Heavy or Rapid Rail Stations.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Light Rail Stations.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Demand Responsive Vehicles	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Commuter Rail Stations.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Ferry Boat Landings.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

2000 data same as 1999 response



17. TRANSIT OPERATORS IN THE REGION THAT USE THE SAME ELECTRONIC PAYMENT SYSTEM:
 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.

Public Transit Agencies	1999 Response	2000 Response
Local agencies go here.....	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify)_____	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>

2000 data same as 1999 response

18. TOLL COLLECTION OPERATORS WHICH USE ELECTRONIC TOLL COLLECTION MEDIA (i.e. EZ PASS) THAT CAN BE USED TO PAY FOR YOUR AGENCIES TRANSIT FARES:

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.

Toll Operators	1999 Response	2000 Response
Local agencies go here.....	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify)_____	<input type="checkbox"/>	<input type="checkbox"/>

2000 data same as 1999 response

19. NATIONAL ITS STANDARDS:

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.

	Used in 1999	Use in 2000
TCIP On Board Objects (TCIP-OB).....	<input type="checkbox"/>	<input type="checkbox"/>
TCIP Traffic Management Objects (TCIP-TM).....	<input type="checkbox"/>	<input type="checkbox"/>
TCIP Common Public Transportation Objects (TCIP-CPT).....	<input type="checkbox"/>	<input type="checkbox"/>
TCIP Passenger Information Objects (TCIP-PI).....	<input type="checkbox"/>	<input type="checkbox"/>
TCIP Incident Management Objects (TCIP-IM).....	<input type="checkbox"/>	<input type="checkbox"/>
TCIP Fare Collection Objects (TCIP-FC).....	<input type="checkbox"/>	<input type="checkbox"/>
TCIP Spatial Representation Objects (TCIP-SP).....	<input type="checkbox"/>	<input type="checkbox"/>
TCIP Control Center Objects (TCIP-CC).....	<input type="checkbox"/>	<input type="checkbox"/>
TCIP Scheduling/Runcutting Objects (TCIP-SCH).....	<input type="checkbox"/>	<input type="checkbox"/>
Send data communication between micro computer and heavy duty vehicle applications (SAE J1708).....	<input type="checkbox"/>	<input type="checkbox"/>
NTCIP center to center emergency management message sets.....	Not collected in 1999	<input type="checkbox"/>
Do not use.....	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify)		<input type="checkbox"/>

2000 data same as 1999 response



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

- No **Go to question 18**
- Yes **Please provide name and phone number of contact if different from respondent.**

21. 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 19**
- Yes **Please indicate the following components covered**

- 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

22a. DATA COLLECTION:

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.

Type of information collected in real-time	1999 Collected in 1999	1999 Plan to Collect by 2005	2000 Collect in 2000	2000 Plan to Collect by 2005
Vehicle time and location.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Passenger count.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trip itinerary planning records.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Passenger information.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicle monitoring status.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Road conditions.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emergency vehicle signal preemption events.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transit vehicle signal priority events.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Weather conditions.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Incidents.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Type of information collected electronically				
Route designations (snow emergency, etc.).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Current road work zones for transit.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scheduled road work zones for transit.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Intermodal (air, rail, water) connections.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emergency/evacuation routes and procedures.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Highway operations coordination information.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transit operations coordination information.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify)_____				
Do not collect information.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2000 data same as 1999 response



22b. DATA 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.

Information archived from real-time sources:	Archived in 1999	1999 Plan to Archive by 2005	Archive in 2000	2000 Plan to Archive by 2005
Vehicle time and location.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Passenger count.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trip itinerary planning records.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Passenger information.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicle monitoring status.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Road conditions.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emergency vehicle signal preemption events.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transit vehicle signal priority events.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Weather conditions.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Incidents.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Information archived from other sources:				
Route designations (snow emergency, etc.).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Current road work zones for transit.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scheduled road work zones for transit.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Intermodal (air, rail, water) connections.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emergency/evacuation routes and procedures.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Highway operations coordination information.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transit operations coordination information.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify) _____			<input type="checkbox"/>	<input type="checkbox"/>
Do not archive information.....			<input type="checkbox"/>	<input type="checkbox"/>

22c. GROUPS THAT TYPICALLY REQUEST DATA:

	1999 Response	2000 Response
Universities.....	<input type="checkbox"/>	<input type="checkbox"/>
State DOT personnel.....	<input type="checkbox"/>	<input type="checkbox"/>
Federal DOT personnel.....	<input type="checkbox"/>	<input type="checkbox"/>
Media (e.g., TV stations, radio stations).....	<input type="checkbox"/>	<input type="checkbox"/>
MPOs.....	<input type="checkbox"/>	<input type="checkbox"/>
Consultants.....	<input type="checkbox"/>	<input type="checkbox"/>
Advanced Traveler Information Systems (ATIS) providers.....	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify) _____		<input type="checkbox"/>

22d. DATA USES:

	1999 Response	2000 Response
Do not know.....	<input type="checkbox"/>	<input type="checkbox"/>
Operation analysis.....	Not collected in 1999	<input type="checkbox"/>
Construction impact determination.....	<input type="checkbox"/>	<input type="checkbox"/>
Planning.....	<input type="checkbox"/>	<input type="checkbox"/>
Incident detection algorithm development.....	<input type="checkbox"/>	<input type="checkbox"/>
Roadway impact analysis.....	<input type="checkbox"/>	<input type="checkbox"/>
Accident prediction models.....	<input type="checkbox"/>	<input type="checkbox"/>
Dissemination to the public.....	<input type="checkbox"/>	<input type="checkbox"/>
Traffic Management.....	Not collected in 1999	<input type="checkbox"/>
Measurement of performance.....	Not collected in 1999	<input type="checkbox"/>
Other (please specify) _____		

2000 data same as 1999 response

**QUESTIONS 23 THROUGH 29 RELATE TO THE NATIONAL ITS ARCHITECTURE.**

23. 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

24. 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 29**
 There is such an effort in our region, but we are not involved with it. **Go to question 29**

- Don't know if my agency is involved with architecture development. **Go to question 29**

25. If you answered yes to question 24, 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



26. 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

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

- Yes Number:
- No
- Don't know

28. 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

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

- No **Go to question 29**
- Don't know **Go to question 29**
- Yes **Please indicate which organization and check if the information was useful.**

Organization	Check if Information Was Received	Check if Information Was Useful
FHWA.....	<input type="checkbox"/>	<input type="checkbox"/>
ITS America State Chapter.....	<input type="checkbox"/>	<input type="checkbox"/>
FTA.....	<input type="checkbox"/>	<input type="checkbox"/>
ITS America (national).....	<input type="checkbox"/>	<input type="checkbox"/>
APTA.....	<input type="checkbox"/>	<input type="checkbox"/>
ITE.....	<input type="checkbox"/>	<input type="checkbox"/>
AASHTO.....	<input type="checkbox"/>	<input type="checkbox"/>
APA.....	<input type="checkbox"/>	<input type="checkbox"/>
AMPO.....	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify) _____	<input type="checkbox"/>	<input type="checkbox"/>

30. COST INFORMATION: 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.



31. BENEFITS INFORMATION: 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.

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.

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.