

2000 Transit Management Survey

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.

(Map NOT Included Here)

1. National Transit Database (NTD) number:

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.

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

2. Total number of vehicles used in revenue service:

	Total Deployed in 1999	1999 Estimated Deployed by 2005	Total Deployed in 2000	2000 Estimated Deployed by 2005
Fixed Route Bus	Provided to Surveyee	Provided to Surveyee		
Flexible Route Bus	Not collected in 1999	Not collected in 1999		
Heavy or Rapid Rail	Provided to Surveyee	Provided to Surveyee		
Light Rail	Provided to Surveyee	Provided to Surveyee		
Demand Responsive	Provided to Surveyee	Provided to Surveyee		
Commuter Rail	Provided to Surveyee	Provided to Surveyee		
Ferry Boat	Provided to Surveyee	Provided to Surveyee		

No Changes

AUTOMATED VEHICLE LOCATION (AVL) SYSTEM

Please review the column(s) 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 by 2005" figures and selection information are not included in the companion Excel Spreadsheets.

3a. Status

	Status in 1999	Status in 2000
Operational (Fully operational only)	Provided to Surveyee	
Implementation Phase (If at least a contract has been signed)	Provided to Surveyee	
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)	Provided to Surveyee	
Do not have or plan to have	Provided to Surveyee	

No Changes

3b. Primary and secondary location technologies used or to be used

	Primary Technology			
	Used in 1999	1999 Plan to Use by 2005	Use in 2000	2000 Plan to Use by 2005
GPS	Provided to Surveyee	Provided to Surveyee		
Differential GPS	Provided to Surveyee	Provided to Surveyee		
Signpost/Odometer	Provided to Surveyee	Provided to Surveyee		
Dead-Reckoning	Provided to Surveyee	Provided to Surveyee		
LORAN C	Provided to Surveyee	Provided to Surveyee		
Other:				

No Changes

	Secondary Technology			
	Used in 1999	1999 Plan to Use by 2005	Use in 2000	2000 Plan to Use by 2005
GPS	Provided to Surveyee	Provided to Surveyee		
Differential GPS	Provided to Surveyee	Provided to Surveyee		
Signpost/Odometer	Provided to Surveyee	Provided to Surveyee		
Dead-Reckoning	Provided to Surveyee	Provided to Surveyee		
LORAN C	Provided to Surveyee	Provided to Surveyee		
Other:				

No Changes

3c. Number of vehicles equipped with AVL

	Total Deployed in 1999	1999 Estimated Deployed by 2005	Total Deployed in 2000	2000 Estimated Deployed by 2005
Fixed Route Bus	Provided to Surveyee	Provided to Surveyee		
Flexible Route Bus	Not collected in 1999	Not collected in 1999		
Heavy or Rapid Rail	Provided to Surveyee	Provided to Surveyee		
Light Rail	Provided to Surveyee	Provided to Surveyee		
Demand Responsive	Provided to Surveyee	Provided to Surveyee		
Commuter Rail	Provided to Surveyee	Provided to Surveyee		
Ferry Boat	Provided to Surveyee	Provided to Surveyee		

No Changes

MOTOR VEHICLE 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.

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 Deployed in 1999	Total Deployed in 2000
Motor buses used as probes to collect travel time, speed, and conditions on FREEWAYS	Provided to Surveyee	
Motor buses used as probes to collect travel time, speed, and conditions on ARTERIALS	Provided to Surveyee	

No Changes

ORGANIZED REGIONAL INCIDENT MANAGEMENT PROGRAM

5. Agency operators or dispatchers reporting traffic incidents (e.g. stalled vehicles, crashes)

Reporting in 1999	Reporting in 2000
Provided to Surveyee	

No Changes

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.

6a. Status

	Status in 1999	Status in 2000
Operational (Fully operational only)	Provided to Surveyee	
Implementation Phase (If at least a contract has been signed)	Provided to Surveyee	
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)	Provided to Surveyee	
Do not have or plan to have Go to question 7	Provided to Surveyee	

No Changes

6b. Information is or will be REAL-TIME?

1999 Response	2000 Response
Provided to Surveyee	

No Changes

6c. Services the automated traveler information system applies or will apply to:

	1999 Response	2000 Response
Fixed Route Bus	Provided to Surveyee	
Flexible Route Bus	Not collected in 1999	
Heavy or Rapid Rail	Provided to Surveyee	
Light Rail	Provided to Surveyee	
Demand Responsive	Provided to Surveyee	
Commuter Rail	Provided to Surveyee	
Ferry Boat	Provided to Surveyee	

No Changes

6e. Is or will be multi-carrier/multi-modal with other transit operators?

1999 Response	2000 Response
Provided to Surveyee	

No Changes

6f. Is or will be multi-carrier/multi-modal with highway information

1999 Response	2000 Response
Provided to Surveyee	

No Changes

6g. Methods used to distribute real-time transit schedule adherence or arrival and departure times to the public:

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

	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	Provided to Surveyee	Provided to Surveyee		
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		
Variable Message Signs (in vehicle)	Provided to Surveyee	Provided to Surveyee		
Monitors/VMS (not in vehicle)	Provided to Surveyee	Provided to Surveyee		
Audible Enunciators	Provided to Surveyee	Provided to Surveyee		
Facsimile	Provided to Surveyee	Provided to Surveyee		
Other (please specify)				
Do not distribute information				

No Changes

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:

6h. Number of locations where traveler information is or will be available to the public

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

	Locations in 1999	1999 Planned Locations by 2005	Locations in 2000	2000 Planned Locations by 2005
Total number of bus stops on fixed and flexible transit routes	Provided to Surveyee	Provided to Surveyee		
Number of bus stops on fixed transit routes that electronically display or will display automated and dynamic traveler information to the public	Provided to Surveyee	Provided to Surveyee		
Total number of rail stations	Provided to Surveyee	Provided to Surveyee		
Number of rail stations that electronically display or will display automated and dynamic traveler information to the public	Provided to Surveyee	Provided to Surveyee		
Number of other locations that electronically display or will display automated and dynamic traveler information to the public (please describe)	Provided to Surveyee	Provided to Surveyee		

No Changes

6i. Number of vehicles on which the traveler information system (e.g. VMS or audible enunciators) is available or will be available:

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

	Total Deployed in 1999	1999 Estimated Deployed by 2005	Total Deployed in 2000	2000 Estimated Deployed by 2005
Fixed Route Bus	Provided to Surveyee	Provided to Surveyee		
Flexible Route Bus	Not collected in 1999	Not collected in 1999		
Heavy or Rapid Rail	Provided to Surveyee	Provided to Surveyee		
Light Rail	Provided to Surveyee	Provided to Surveyee		
Demand Responsive	Provided to Surveyee	Provided to Surveyee		
Commuter Rail	Provided to Surveyee	Provided to Surveyee		
Ferry Boat	Provided to Surveyee	Provided to Surveyee		

No Changes

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.

7a. Radio system information

	1999 Response	2000 Response
Radio system is Digital	Provided to Surveyee	
Radio system is Analog	Provided to Surveyee	
Radio system is Trunked	Provided to Surveyee	
Radio system is Regular	Provided to Surveyee	
Radio system is not <i>digital</i> and <i>trunked</i> and are planning or implementing an upgrade	Provided to Surveyee	

No Changes

7b. Status

	1999 Response	2000 Response
Digital Operational (Fully operational only)	Provided to Surveyee	
Trunked Operational (Fully operational only)	Provided to Surveyee	
Implementation Phase (If at least a contract has been signed)	Provided to Surveyee	
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)	Provided to Surveyee	

No Changes

7c. Upgrading to

	1999 Response	2000 Response
Digital	Provided to Surveyee	
Trunked	Provided to Surveyee	
Other (please specify)		

No Changes

7d. Services that currently use or will use *digital* or *trunked* radio systems:

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

	Digital Only			
	Used in 1999	1999 Plan to Use by 2005	Use in 2000	2000 Plan to Use by 2005
Fixed Route Bus	Provided to Surveyee	Provided to Surveyee		
Flexible Route Bus	Not collected in 1999	Not collected in 1999		
Heavy or Rapid Rail	Provided to Surveyee	Provided to Surveyee		
Light Rail	Provided to Surveyee	Provided to Surveyee		
Demand Responsive	Provided to Surveyee	Provided to Surveyee		
Commuter Rail	Provided to Surveyee	Provided to Surveyee		
Ferry Boat	Provided to Surveyee	Provided to Surveyee		

No Changes

	Trunked Only			
	Used in 1999	1999 Plan to Use by 2005	Use in 2000	2000 Plan to Use by 2005
Fixed Route Bus	Provided to Surveyee	Provided to Surveyee		
Flexible Route Bus	Not collected in 1999	Not collected in 1999		
Heavy or Rapid Rail	Provided to Surveyee	Provided to Surveyee		
Light Rail	Provided to Surveyee	Provided to Surveyee		
Demand Responsive	Provided to Surveyee	Provided to Surveyee		
Commuter Rail	Provided to Surveyee	Provided to Surveyee		
Ferry Boat	Provided to Surveyee	Provided to Surveyee		

No Changes

7e. Is your radio system compatible with other agencies (police, fire, medical, other transit agencies, FHWA, FAA, etc.)?

- Yes
- No

AUTOMATIC PASSENGER COUNTERS (APCs)

Please review the column(s) 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.

8a. Status

	Status in 1999	Status in 2000
Operational (Fully operational only)	Provided to Surveyee	
Implementation Phase (If at least a contract has been signed)	Provided to Surveyee	
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)	Provided to Surveyee	
Do not have or plan to have Go to question 9	Provided to Surveyee	

No Changes

8b. It counts or will count passengers with:

	1999 Response	2000 Response
Treadle Mats	Provided to Surveyee	
Infrared Beams	Provided to Surveyee	
Other (please specify)		

No Changes

8c. Primary and secondary location technologies used or to be used:

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

	Primary Technology			
	Used in 1999	1999 Plan to Use by 2005	Use in 2000	2000 Plan to Use by 2005
GPS	Provided to Surveyee	Provided to Surveyee		
Differential GPS	Provided to Surveyee	Provided to Surveyee		
Signpost/Odometer	Provided to Surveyee	Provided to Surveyee		
Dead-Reckoning	Provided to Surveyee	Provided to Surveyee		
LORAN C	Provided to Surveyee	Provided to Surveyee		
Other:				

No Changes

	Secondary Technology			
	Used in 1999	1999 Plan to Use by 2005	Use in 2000	2000 Plan to Use by 2005
GPS	Provided to Surveyee	Provided to Surveyee		
Differential GPS	Provided to Surveyee	Provided to Surveyee		
Signpost/Odometer	Provided to Surveyee	Provided to Surveyee		
Dead-Reckoning	Provided to Surveyee	Provided to Surveyee		
LORAN C	Provided to Surveyee	Provided to Surveyee		
Other:				

No Changes

8d. Number of vehicles that have or will have APCs:

	Available in 1999	1999 Estimated Available by 2005	Available in 2000	2000 Estimated Available by 2005
Fixed Route Bus	Provided to Surveyee	Provided to Surveyee		
Flexible Route Bus	Not collected in 1999	Not collected in 1999		
Heavy or Rapid Rail	Provided to Surveyee	Provided to Surveyee		
Light Rail	Provided to Surveyee	Provided to Surveyee		
Demand Responsive	Provided to Surveyee	Provided to Surveyee		
Commuter Rail	Provided to Surveyee	Provided to Surveyee		
Ferry Boat	Provided to Surveyee	Provided to Surveyee		

No Changes

REAL-TIME MONITORING OF VEHICLE COMPONENTS

Please review the column(s) 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.

9a. Status

	Status in 1999	Status in 2000
Operational (Fully operational only)	Provided to Surveyee	
Implementation Phase (If at least a contract has been signed)	Provided to Surveyee	
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)	Provided to Surveyee	
Do not have or plan to have Go to question 10	Provided to Surveyee	

No Changes

9b. Number of vehicles where real-time monitoring of vehicle components is available or will be available:

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

	Available in 1999	1999 Estimated Available by 2005	Available in 2000	2000 Estimated Available by 2005
Fixed Route Bus	Provided to Surveyee	Provided to Surveyee		
Flexible Route Bus	Not collected in 1999	Not collected in 1999		
Heavy or Rapid Rail	Provided to Surveyee	Provided to Surveyee		
Light Rail	Provided to Surveyee	Provided to Surveyee		
Demand Responsive	Provided to Surveyee	Provided to Surveyee		
Commuter Rail	Provided to Surveyee	Provided to Surveyee		
Ferry Boat	Provided to Surveyee	Provided to Surveyee		

No Changes

COMPUTER ASSISTED DISPATCHING OR CONTROL SOFTWARE¹

Please review the column(s) 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.

10a. Status

	Status in 1999	Status in 2000
Operational (Fully operational only)	Provided to Surveyee	
Implementation Phase (If at least a contract has been signed)	Provided to Surveyee	
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)	Provided to Surveyee	
Do not have or plan to have Go to question 11	Provided to Surveyee	

No Changes

¹ 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.

10b. Number of vehicles where automated dispatching or control software is available or will be available:

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

	Total Deployed in 1999	1999 Estimated Deployed by 2005	Total Deployed in 2000	2000 Estimated Deployed by 2005
Fixed Route Bus	Provided to Surveyee	Provided to Surveyee		
Flexible Route Bus	Not collected in 1999	Not collected in 1999		
Heavy or Rapid Rail	Provided to Surveyee	Provided to Surveyee		
Light Rail	Provided to Surveyee	Provided to Surveyee		
Demand Responsive	Provided to Surveyee	Provided to Surveyee		
Commuter Rail	Provided to Surveyee	Provided to Surveyee		
Ferry Boat	Provided to Surveyee	Provided to Surveyee		

No Changes

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

Please review the column(s) 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.

11. Status

	Status in 1999	Status in 2000
Operational (Fully operational only)	Provided to Surveyee	
Implementation Phase (If at least a contract has been signed)	Provided to Surveyee	
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)	Provided to Surveyee	
Do not have or plan to have Go to question 11	Provided to Surveyee	

No Changes

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

Please review the column(s) 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.

12a. Status

	Status in 1999	Status in 2000
Operational (Fully operational only)	Provided to Surveyee	
Implementation Phase (If at least a contract has been signed)	Provided to Surveyee	
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)		
No TMC that controls transit and highway modes Go to question 13	Provided to Surveyee	
Do not know Go to question 13	Provided to Surveyee	

No Changes

12b. Modes that the TMC currently controls or will control:

	1999 Response	2000 Response
Fixed Route Bus	Provided to Surveyee	
Flexible Route Bus	Not collected in 1999	
Heavy or Rapid Rail	Provided to Surveyee	
Light Rail	Provided to Surveyee	
Demand Responsive	Provided to Surveyee	
Commuter Rail	Provided to Surveyee	
Ferry Boat	Provided to Surveyee	

No Changes

TRAFFIC SIGNAL PRIORITY

Please review the column(s) 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.

13a. Status

	Status in 1999	Status in 2000
Operational (Fully operational only)	Provided to Surveyee	
Implementation Phase (If at least a contract has been signed)	Provided to Surveyee	
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)	Provided to Surveyee	
Do not have or plan to have Go to question 14	Provided to Surveyee	

No Changes

13b. Priority granted:

	1999 Response	2000 Response
All the time	Provided to Surveyee	
Don't know	Provided to Surveyee	
Only when vehicle is late (indicate how many minutes late)	Provided to Surveyee	

No Changes

13c. Priority activated:

	1999 Response	2000 Response
Driver actuated	Provided to Surveyee	
By AVL	Provided to Surveyee	
Don't Know	Provided to Surveyee	
Other (please specify)		

No Changes

13d. Number of vehicles that are given or will be given traffic signal priority:

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

	Available in 1999	1999 Estimated Available by 2005	Available in 2000	2000 Estimated Available by 2005
Fixed Route Bus	Provided to Surveyee	Provided to Surveyee		
Flexible Route Bus	Not collected in 1999	Not collected in 1999		
Light Rail	Provided to Surveyee	Provided to Surveyee		
Demand Responsive	Provided to Surveyee	Provided to Surveyee		

No Changes

13e. Number of signals that can be activated by these vehicles: (this information was not collected in 1999)

RAMP METER PRIORITY

Please review the column(s) 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.

14a. Status

	Status in 1999	Status in 2000
Operational (Fully operational only)	Provided to Surveyee	
Implementation Phase (If at least a contract has been signed)	Provided to Surveyee	
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)	Provided to Surveyee	
Do not have or plan to have Go to question 15	Provided to Surveyee	

No Changes

14b. Number of vehicles that are given or will be given ramp meter signal priority:

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

	Available in 1999	1999 Estimated Available by 2005	Available in 2000	2000 Estimated Available by 2005
Fixed Route Bus	Provided to Surveyee	Provided to Surveyee		
Flexible Route Bus	Not collected in 1999	Not collected in 1999		
Demand Responsive	Provided to Surveyee	Provided to Surveyee		

No Changes

14c. Number of ramps that can be activated by these vehicles: (this information was not collected in 1999)

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

Please review the column(s) 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.

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

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

	Available in 1999	1999 Estimated Available by 2005	Available in 2000	2000 Estimated Available by 2005
Fixed Route Bus	Provided to Surveyee	Provided to Surveyee		
Flexible Route Bus	Not collected in 1999	Not collected in 1999		
Heavy or Rapid Rail	Provided to Surveyee	Provided to Surveyee		
Light Rail	Provided to Surveyee	Provided to Surveyee		
Demand Responsive	Provided to Surveyee	Provided to Surveyee		
Commuter Rail	Provided to Surveyee	Provided to Surveyee		
Ferry Boat	Provided to Surveyee	Provided to Surveyee		

No Changes

ELECTRONIC FARE PAYMENT SYSTEM (Other than registering fare boxes)

Please review the column(s) 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.

16a. Status

	Status in 1999	Status in 2000
Operational (Fully operational only)	Provided to Surveyee	
Implementation Phase (If at least a contract has been signed)	Provided to Surveyee	
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)	Provided to Surveyee	
Do not have or plan to have Go to question 21	Provided to Surveyee	

No Changes

16b. The fare is or will be paid:

	Magnetic Stripe		Smart Card	
	Paid in 1999	Paid in 2000	Paid in 1999	Paid in 2000
Stored value card with the fare deducted for each trip	Provided to Surveyee		Provided to Surveyee	
Billed by the month for trips taken	Provided to Surveyee		Provided to Surveyee	
Monthly pass	Provided to Surveyee		Provided to Surveyee	
Other (please specify)				

No Changes

	Debit Card		Credit Card	
	Paid in 1999	Paid in 2000	Paid in 1999	Paid in 2000
Stored value card with the fare deducted for each trip	Provided to Surveyee		Provided to Surveyee	
Billed by the month for trips taken	Provided to Surveyee		Provided to Surveyee	
Monthly pass	Provided to Surveyee		Provided to Surveyee	
Other (please specify)				

No Changes

16c. Agency stores electronically collected fare payment data for use in route and service planning

1999 Response	2000 Response
Provided to Surveyee	

No Changes

16d. Number of vehicles/stations that are equipped with automated payment mechanism/ or will be equipped with automated payment mechanism.

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

	Magnetic Stripe Readers			
	Deployed in 1999	1999 Estimated Deployed by 2005	Deployed in 2000	2000 Estimated Deployed by 2005
Fixed Route Bus	Provided to Surveyee	Provided to Surveyee		
Flexible Route Bus	Not collected in 1999	Not collected in 1999		
Heavy or Rapid Rail	Provided to Surveyee	Provided to Surveyee		
Light Rail	Provided to Surveyee	Provided to Surveyee		
Demand Responsive	Provided to Surveyee	Provided to Surveyee		
Commuter Rail	Provided to Surveyee	Provided to Surveyee		
Ferry Boat	Provided to Surveyee	Provided to Surveyee		

No Changes

	Smart Card Readers (with embedded computer chip)			
	Deployed in 1999	1999 Estimated Deployed by 2005	Deployed in 2000	2000 Estimated Deployed by 2005
Fixed Route Bus	Provided to Surveyee	Provided to Surveyee		
Flexible Route Bus	Not collected in 1999	Not collected in 1999		
Heavy or Rapid Rail	Provided to Surveyee	Provided to Surveyee		
Light Rail	Provided to Surveyee	Provided to Surveyee		
Demand Responsive	Provided to Surveyee	Provided to Surveyee		
Commuter Rail	Provided to Surveyee	Provided to Surveyee		
Ferry Boat	Provided to Surveyee	Provided to Surveyee		

No Changes

	Credit Card			
	Deployed in 1999	1999 Estimated Deployed by 2005	Deployed in 2000	2000 Estimated Deployed by 2005
Fixed Route Bus	Provided to Surveyee	Provided to Surveyee		
Flexible Route Bus	Not collected in 1999	Not collected in 1999		
Heavy or Rapid Rail	Provided to Surveyee	Provided to Surveyee		
Light Rail	Provided to Surveyee	Provided to Surveyee		
Demand Responsive	Provided to Surveyee	Provided to Surveyee		
Commuter Rail	Provided to Surveyee	Provided to Surveyee		
Ferry Boat	Provided to Surveyee	Provided to Surveyee		

No Changes

	Debit Card			
	Deployed in 1999	1999 Estimated Deployed by 2005	Deployed in 2000	2000 Estimated Deployed by 2005
Fixed Route Bus	Provided to Surveyee	Provided to Surveyee		
Flexible Route Bus	Not collected in 1999	Not collected in 1999		
Heavy or Rapid Rail	Provided to Surveyee	Provided to Surveyee		
Light Rail	Provided to Surveyee	Provided to Surveyee		
Demand Responsive	Provided to Surveyee	Provided to Surveyee		
Commuter Rail	Provided to Surveyee	Provided to Surveyee		
Ferry Boat	Provided to Surveyee	Provided to Surveyee		

No Changes

TRANSIT OPERATORS IN THE REGION THAT USE THE SAME ELECTRONIC PAYMENT SYSTEM

Please review the column(s) 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.

17. Please indicate transit operators in the region that use the same electronic payment system

Public Transit Agencies	1999 Response	2000 Response
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)		

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

No Changes

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:

Toll Operators	1999 Response	2000 Response
None	Provided to Surveyee	
Other (please specify)		

No Changes

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.

19. National Standards

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

No Changes

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

No Go to question 21

Yes

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

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

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 22

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

DATA COLLECTION AND ARCHIVING

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 by 2005" figures and selection information are not included in the companion Excel Spreadsheets.

22a. Data collection

Type of information collected in real-time	Collected in 1999	1999 Plan to Collect by 2005	Collect in 2000	2000 Plan to Collect by 2005
Vehicle time and location	Provided to Surveyee	Provided to Surveyee		
Passenger count	Provided to Surveyee	Provided to Surveyee		
Trip itinerary planning records	Provided to Surveyee	Provided to Surveyee		
Passenger information	Provided to Surveyee	Provided to Surveyee		
Vehicle monitoring status	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 electronically	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 road work zones for transit	Provided to Surveyee	Provided to Surveyee		
Scheduled road work zones for transit	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		
Highway operations coordination information	Provided to Surveyee	Provided to Surveyee		
Transit operations coordination information	Provided to Surveyee	Provided to Surveyee		
Other (please specify)				
Do not collect information				

No Changes

22b. Data archiving

Information archived from real-time source	Archived in 1999	1999 Plan to Archive by 2005	Archived in 2000	2000 Plan to Archive by 2005
Vehicle time and location	Provided to Surveyee	Provided to Surveyee		
Passenger count	Provided to Surveyee	Provided to Surveyee		
Trip itinerary planning records	Provided to Surveyee	Provided to Surveyee		
Passenger information	Provided to Surveyee	Provided to Surveyee		
Vehicle monitoring status	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	Archived in 2000	2000 Plan to Archive by 2005
Route designations (snow emergency, etc.)	Provided to Surveyee	Provided to Surveyee		
Current road work zones for transit	Provided to Surveyee	Provided to Surveyee		
Scheduled road work zones for transit	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		
Highway operations coordination information	Provided to Surveyee	Provided to Surveyee		
Transit operations coordination information	Provided to Surveyee	Provided to Surveyee		
Other (please specify)				
Do not archive information				

No Changes

22c. 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	
Other (please specify)		

No Changes

22d. Data uses

	1999 Response	2000 Response
Do not know	Provided to Surveyee	
Operation analysis	Not collected in 1999	
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	Not collected in 1999	
Measurement of performance	Not collected in 1999	
Other (please specify)		

No Changes

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 30

There is such an effort in our region, but we are not involved with it. Go to question 30

Don't know if my agency is involved with architecture development. Go to question 30

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 30

Don't know

Go to question 30

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)		

COST AND BENEFITS

30. 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.benefitcost.its.dot.gov/>.

Yes

Please provide name, phone number, and e-mail 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.

No

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

Yes

Please provide name and phone number of the benefits information contact if different from respondent. This person will be contacted for the benefits information at a later date.

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

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.