2004 Arterial Management Survey

CHARACTERISTICS OF SIGNALIZED INTERSECTIONS

Please enter the current information for 2004 and the current estimate for 2005 in the boxes provided. We have entered the information your agency provided in 2002 to assist you.

NOTE: The "2004 Estimated by 2005" figures and selection information are not included in the companion Excel Spreadsheets.

1. **Total number of signalized intersections operated by your agency**

Total in 2002	2002 Estimated total by 2005	Total in 2004	2004 Estimated total by 2005
Provided to Surveyee	Provided to Surveyee		

2. **Number of signalized intersections operated by your agency under closed loop or central system control**

Total in 2002	2002 Estimated total by 2005	Total in 2004	2004 Estimated total by 2005
Provided to Surveyee	Provided to Surveyee		

3. **Number of signalized intersections operated by your agency that allow signal preemption for emergency vehicles**

Total in 2002	2002 Estimated total by 2005	Total in 2004	2004 Estimated total by 2005
Provided to Surveyee	Provided to Surveyee		

4. **Number of signalized intersections operated by your agency that allow signal priority for transit vehicles**

Total in 2002	2002 Estimated total by 2005	Total in 2004	2004 Estimated total by 2005
Provided to Surveyee	Provided to Surveyee		

5. **Number of signalized intersections operated by your agency within 200 feet of a highway-rail intersection that adjust signal timing in response to train crossing to avoid vehicle entrapment**

Total in 2002	2002 Estimated total by 2005	Total in 2004	2004 Estimated total by 2005
Provided to Surveyee	Provided to Surveyee		

6. **Total number of signalized intersections with automated photo red light running enforcement**

Total in 2002	2002 Estimated total by 2005	Total in 2004	2004 Estimated total by 2005
Provided to Surveyee	Provided to Surveyee		

7. **Total number of signalized intersections that are progressively interconnected**

Total in 2002	2002 Estimated total by 2005	Total in 2004	2004 Estimated total by 2005
Provided to Surveyee	Provided to Surveyee		

8. **Total number of signalized intersections under real-time traffic adaptive control using SCOOT/SCATS or other similar advanced software**

Total in 2002	2002 Estimated total by 2005	Total in 2004	2004 Estimated total by 2005
Provided to Surveyee	Provided to Surveyee		

9. **Total number of signalized intersections that are fully or semi actuated**

Total in 2002	2002 Estimated total by 2005	Total in 2004	2004 Estimated total by 2005
Provided to Surveyee	Provided to Surveyee		

10. **Total number of signalized intersections with "Dilemma Zone" protection**

Total in 2002	2002 Estimated total by 2005	Total in 2004	2004 Estimated total by 2005
Provided to Surveyee	Provided to Surveyee		

Real-time electronic traffic data collection

11. **Total number of signalized intersections with electronic data collection capabilities**

Total in 2002	2002 Estimated total by 2005	Total in 2004	2004 Estimated total by 2005
Provided to Surveyee	Provided to Surveyee		

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

11a. Number of Signalized Intersections with data collection technologies

	Total in 2002	2002 Estimated total by 2005	Total in 2004	2004 Estimated total by 2005
Loop detectors (for volumes, speed, and density)	Provided to Surveyee	Provided to Surveyee		
Video detection cameras (for volume, speed, and density)	Provided to Surveyee	Provided to Surveyee		
Radar	Provided to Surveyee	Provided to Surveyee		
Other (please specify):				

12. What is the time interval between signal timing plan modification?

8 years or more
4 years or more
2 years or more
annual
as needed
Other (please specify):

13. What software do you use to manage signals?

14. Does your agency participate in regional coordination of traffic signal timing plans?

Yes
No
Don't know

15. What is the scope of signal timing plan modifications?

System wide
Central business district
Major intersection
Other (please specify):

ROADSIDE TECHNOLOGIES TO DISTRIBUTE EN-ROUTE TRAVELER INFORMATION

16. Total centerline miles covered by Highway Advisory Radio (HAR)

Total in 2002	2002 Estimated total by 2005	Total in 2004	2004 Estimated total by 2005
Provided to Surveyee	Provided to Surveyee		

17. Total number of permanent Changeable Message Signs (CMS) deployed on arterials:

Total in 2002	2002 Estimated total by 2005	Total in 2004	2004 Estimated total by 2005
Provided to Surveyee	Provided to Surveyee		

HIGHWAY-RAIL INTERSECTIONS

18. Total number of highway-rail intersections:

Total in 2002	2002 Estimated total by 2005	Total in 2004	2004 Estimated total by 2005
Provided to Surveyee	Provided to Surveyee		

19. Total number of highway-rail intersections under electronic surveillance:

Total in 2002	2002 Estimated total by 2005	Total in 2004	2004 Estimated total by 2005
Provided to Surveyee	Provided to Surveyee		

20. Total number of highway-rail intersections with vehicle intrusion detection devices

Total in 2002	2002 Estimated total by 2005	Total in 2004	2004 Estimated total by 2005
Provided to Surveyee	Provided to Surveyee		

METHODS USED TO DISTRIBUTE INFORMATION TO THE PUBLIC

Please enter the current information for 2004 and the current estimate for 2005 in the boxes provided. We have entered the information your agency provided in 2002 to assist you.

21a. Please check all the methods that your agency uses, or will use, to distribute information to the public.

	2002 Information	In 2004	2004 Estimated by 2005
Dedicated cable TV:	Provided to Surveyee		
Automated telephone system:	Provided to Surveyee		
Internet Web sites:	Provided to Surveyee		
Pagers or personal data assistants:	Provided to Surveyee		
Interactive TV:	Provided to Surveyee		
Kiosks:	Provided to Surveyee		
E-mail or other direct PC communication:	Provided to Surveyee		
In-vehicle navigation systems:	Provided to Surveyee		
Facsimile:	Provided to Surveyee		
511 Telephone System:	Provided to Surveyee		
Do not distribute information:	Provided to Surveyee		
Other (please specify):			

21b. Please check all the types of information that your agency distributes, or will distribute by 2005,to the public.

	2002 Information	In 2004	2004 Estimated by 2005
Arterial travel times:	Provided to Surveyee		
Arterial travel speeds:	Provided to Surveyee		
Incident information:	Provided to Surveyee		
Special events:	Provided to Surveyee		
Work zones/construction events:	Provided to Surveyee		
Parking:	Provided to Surveyee		
Weather:	Provided to Surveyee		
Road surface conditions:	Provided to Surveyee		
Road closures:	Provided to Surveyee		
Detours:	Provided to Surveyee		
Alternate routes:	Provided to Surveyee		
Road restrictions:	Provided to Surveyee		
Congestion:	Provided to Surveyee		
CCTV images:	Provided to Surveyee		
Travel and Tourist information:	Provided to Surveyee		
Real-time construction information	Provided to Surveyee		
Other (please specify):			

INTEGRATION

Please enter the current information for 2004 and the current estimate for 2005 in the boxes provided. We have entered the information your agency provided in 2002 to assist you.

22. Does your agency provide arterial travel time, speed, and condition information in real-time to the following type of agencies?

	2002 Response	2004 Response
Agencies involved in highway incident management:	Provided to Surveyee	Yes/No
Freeway Management Agencies:	Provided to Surveyee	Yes/No
Arterial Management Agencies:	Provided to Surveyee	Yes/No
Public Transit Agencies:	Provided to Surveyee	Yes/No

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

Yes
No

24. Does your agency share, in real-time, timing plans with another agency, coordinate changes to timing plans with another agency, and/or turn over control of signals to another agency?

	2002 Response	2004 Response
Share timing plans information in real-time:	Provided to Surveyee	Yes/No
Coordinate changes to timing plans:	Provided to Surveyee	Yes/No
Turn over control of signals	Provided to Surveyee	Yes/No

25. Does your agency receive, in real-time, arterial travel times derived from vehicle probes from any toll collection agency?

2002 Response	2004 Response
Provided to Surveyee	Yes/No/No toll collection

25a. If no, are there future plans for vehicle probes in:

1 year?
2 years?
More than 2 years?
No future plans.

TRAFFIC INCIDENT MANAGEMENT

Please enter the current information for 2004 and the current estimate for 2005 in the boxes provided. We have entered the information your agency provided in 2002 to assist you.

Service Patrols:

26. Total number of arterial miles patrolled by service patrols

Total in 2002	2002 Estimated total by 2005	Total in 2004	2004 Estimated total by 2005
Provided to Surveyee	Provided to Surveyee		

27. Total number of vehicles operated

Total in 2002	2002 Estimated total by 2005	Total in 2004	2004 Estimated total by 2005
Provided to Surveyee	Provided to Surveyee		

28. Service Hours

Peak hours only
24/7
Other

Incident Detection and Verification Methods:

Please provide the miles covered by each of the following incident detection/verification methods:

29. Free cellular phone call to a dedicated phone number other than 911

Miles covered in 2002	2002 estimated miles covered by 2005	Miles covered in 2004	2004 estimated miles covered by 2005
Provided to Surveyee	Provided to Surveyee		

30. Computer algorithms

Miles covered in 2002	2002 estimated miles covered by 2005	Miles covered in 2004	2004 estimated miles covered by 2005
Provided to Surveyee	Provided to Surveyee		

31. CCTV

Miles covered in 2002	2002 estimated miles covered by 2005	Miles covered in 2004	2004 estimated miles covered by 2005
Provided to Surveyee	Provided to Surveyee		

32. Other

Please provide:

Miles covered in 2002	2002 estimated miles covered by 2005	Miles covered in 2004	2004 estimated miles covered by 2005
Provided to Surveyee	Provided to Surveyee		

33. Are the CCTV images made available to the public?

Yes
No
Don't know
No CCTV

34. Does your agency operate a Traffic Operation Center (TOC) or Traffic Management Center (TMC)?

Yes

Please provide the contact for this TOC/TMC (name, e-mail, phone, etc.)

No

WORK ZONES

35. Has your agency deployed ITS technology at work zones to take over the function of permanent systems that are degraded or made inoperative by construction activities?

Yes
No
Don't know

36. Does your agency use ITS within, or in advance of, work zones to improve mobility, enhance safety, and/or to manage incidents?

Yes
No
Don't know

SAFETY AND WEATHER

37. Do you have a Pedestrian Safety Program to reduce fatalities, injuries, or conflicts to pedestrians?

Yes, formal
Yes, informal
No
Don't Know

38. Do you use electronic devices to collect Pedestrian data (e.g. pedestrian crossing or walking on the sidewalk)?

Yes
What types of devices are used? (Check all that apply)
Infrared detection
Ultrasonic detection
Doppler radar detection
Microwave detection
Piezometric detection
Video imaging
Push button related
Other:
No

39. Do you use electronic technologies to improve the safety and mobility of pedestrians?

Yes
What types of technologies are used? (Check all that apply)
Countdown pedestrian signals
Automatic pedestrian detection
"Smart" lighting (brightens when pedestrians are present)
Animated eyes
Dynamic "No Right Turn on Red Signs"
In-roadway flashing lights
Pedestrian-activated flashing beacons
Other:
No

40. Does your agency use electronic devices to detect the presence of pedestrians (e.g., pedestrian crossing or walking on the sidewalk)?

Yes
What types of devices are used? (Check all that apply)
Infrared detection
Ultrasonic detection
Doppler radar detection
Microwave detection
Piezometric detection
Video imaging
Other:
No

41. If your agency does not have any pedestrian-related ITS devices, would it consider using them to improve safety and mobility?

Yes
No
Maybe

42. Does your agency use automated enforcement in facilities under its jurisdiction?

Yes
What types of automated enforcement are used? (Check all that apply)
Speeding
Red-light running
Rail Road crossings
Other:
No

43. With which agencies are the automated enforcement data shared?

44. With which agencies are the automated enforcement data coordinated?

45. Do you have a program for setting speed limits on arterials?

Yes
What is it based on? (Check all that apply)
The 85th percentile
Engineering judgment
Speed studies
Radar studies
Type of arterial
Other:
No

46. Does your agency have traffic signal plans designed specifically for inclement weather or slick pavement?

Yes
What criteria are used to implement weather-related signal timing?(Check all that apply)
Light precipitation
Heavy precipitation
Slick pavement (due to water, snow or ice)
Low visibility (due to fog, wind-blown snow/dust, smoke, etc.)
Traffic volume
Time of day
Other:
No

47. Does your agency modify incident detection algorithms due to inclement weather or slick pavement?

Yes

What criteria are used to implement weather-related signal timing?(Check all that apply)

Light precipitation

Heavy precipitation

Slick pavement (due to water, snow or ice)

Low visibility (due to fog, wind-blown snow/dust, smoke, etc.)

Traffic volume

Time of day

Other:

No

48. Does your agency have any Dynamic Curve Warning Systems?

Yes

How many has your agency deployed?

How many on 2-lane, 2-way road curves?

Does your agency have any documentation of the effectiveness of these systems?

Yes

No

Don't know

No

49. Does your agency have any in-pavement sensors to detect the condition of the roadway?

Yes

What conditions are measured? (Check all that apply)

Temperature

Presence of water

Presence of ice

Anti-icing chemical concentration

Other:

No

50. Has your agency deployed any Road Weather Information Systems (RWIS)?

Yes

How many have you deployed?

What information is collected? (Check all that apply)

Temperature

Humidity

Wind speed

Wind direction

Precipitation (rain)

Precipitation (snow)

Other:

No

51. Does your agency receive weather products tailored to your particular requirements?

Yes

No

Don't Know

NATIONAL ITS STANDARDS

52. Please check the ITS standards that you are using (deployed or in current RFP) or considering (assessing for use) in your operational arterial management systems. The U.S. DOT ITS Standards Program recognizes that there may be other ITS standards surveys being conducted by other entities. If this is the case, please pardon any overlap; however, your input to these surveys will help the U.S. DOT ITS Standards Program better serve your needs and requirements. If no standards are used, skip to the question 55.

List of standards to consider when deploying arterial management projects:

Traffic Management

Standard	Using	Considering
NTCIP 1202 - Object Definitions for Actuated Traffic Signal Controller Units		
NTCIP 1210 - Objects for Signal Systems Master		
NTCIP 1211 - Objects for Signal Control Priority		

Freeway Management

Standard	Using	Considering
NTCIP 1203 - Object Definitions for Dynamic Message Signs		
NTCIP 1204 - Object Definitions for Environmental Sensor Stations		
NTCIP 1205 - Objects for CCTV Camera Control		
NTCIP 1206 - Object Definitions for Data Collection and Monitoring (DCM) Devices		
NTCIP 1207 - Object Definitions for Ramp Meter Control		
NTCIP 1208 - Object Definitions for Video Switches		
NTCIP 1209 - Object Definitions for Transportation Sensor System		
NTCIP 1213 - Electrical and Lighting Mgmt System Interoperability & Intercommunications Std		
NTCIP 1301 - Weather Report Message Set for ESS		

Advanced Transportation Controller

Standard	Using	Considering
ITE 9603-1 - Application Programming Interface (API) Standard for the Advanced Transportation Controller (ATC)		
ITE 9603-2 - Advanced Transportation Controller (ATC) Cabinet		
ITE 9603-3 - Advanced Transportation Controller (ATC) Standard Specification for the Type 2070 Controller		

Profiles and Base Standards

Standard	Using	Considering
NTCIP 1201 - Global Object Definitions		
NTCIP 1102 - Octet Encoding Rules (OER)		
NTCIP 1103 - Transportation Management Protocol		
NTCIP 1104 - CORBA Naming Convention Specification		
NTCIP 1105 - CORBA Security Service Specification		
NTCIP 1106 - CORBA Near-Real Time Data Service Specification		
NTCIP 2101 - Point to Multi-Point Protocol Using RS-232 Subnetwork Profile		
NTCIP 2102 - Subnetwork Profile for PMPP using FSK Modems		
NTCIP 2103 - Subnet Profile for Point-to-Point Protocol using RS 232		
NTCIP 2104 - Subnetwork Profile for Ethernet		
NTCIP 2201 - Transportation Transport Profile		
NTCIP 2202 - Transport Profile for Internet (TCP/IP and UDP)		
NTCIP 2301 - Application Profile for Simple Transportation Management Framework (STMF)		
NTCIP 2302 - Application Profile for Trivial File Transfer Protocol		
NTCIP 2303 - Application Profile for File Transfer Protocol (FTP)		
NTCIP 2304 - Application Profile for Data Exchange ASN.1 (DATEX)		
NTCIP 2305 - Application Profile for Common Object Request Broker Architecture (CORBA)		
NTCIP 8003 - Profiles - Framework and Classification of Profiles		
NTCIP 9010 - XML Standard for Center-to-Center Communications		
IEEE P1488 - IEEE Standard for Message Set Template for Intelligent Transportation Systems		
IEEE P1489 - IEEE Standard for Data Dictionaries for Intelligent Transportation Systems - Part 1 Functional Area Data Dictionaries		

Center-to-Center Communications

Standard	Using	Considering
ITE TM 1.03 - Standard for Functional Level Traffic Management Data Dictionary (TMDD)		
ITE TM 2.01 - Message Sets for External TMC Communication (MS/ETMCC)		
NTCIP 1602 - Generic Reference Model for C2C Communications		

Incident Management

Standard	Using	Considering
IEEE 1512-2000 Standard for Common Incident Management Message Sets for use by Emergency Management Centers		
IEEE P1512.1 - Standard for Traffic Incident Management Message Sets for Use by EMCs		
IEEE P1512.2 - Standard for Public Safety Incident Management Message Sets for Use by EMCs		
IEEE 1512.3-2000 - Standard for Hazardous Material Incident Management Message Sets for Use by Emergency Management Centers		
IEEE 1512.4 - Standard for Emergency Management to Emergency Vehicle Subsystems Use by Emergency Management Centers		
IEEE P1556 - Standard for Security and Privacy of Vehicle/Roadside Communication Including Smart Card Comm.		

Advanced Traveler Information System

Standard	Using	Considering
SAE J2354 - Message Set for Advanced Traveler Information System (ATIS)		
SAE J2540-2 - ITIS Phrase Lists (International Traveler Information Systems)		
SAE J2630 - Converting ATIS Message Standards from ASN.1 to XML		

Transit

Standard	Using	Considering
APTA - TCIP Dialogs		
NTCIP 1400 - TCIP - Framework Standard		
NTCIP 1401 - TCIP - Common Public Transportation (CPT) Business Area Standard		
NTCIP 1402 - TCIP - Incident Management (IM) Business Area Standard		
NTCIP 1403 - TCIP - Passenger Information (PI) Business Area Standard		
NTCIP 1404 - TCIP - Scheduling/Runcutting (SCH) Business Area Standard		
NTCIP 1405 - TCIP - Spatial Representation (SP) Business Area Standard		
NTCIP 1406 - TCIP - Onboard (OB) Business Area Standard		
NTCIP 1407 - TCIP - Control Center (CC) Business Area Standard		
NTCIP 1408 - TCIP - Fare Collection (FC) Business Area Standard		

Commercial Vehicle Operations

Standard	Using	Considering
ANSI TS284 - Commercial Vehicle Safety Reports		
ANSI TS285 - Commercial Vehicle Safety and Credentials Information Exchange		
ANSI TS286 - Commercial Vehicle Credentials		

Dedicated Short Range Communications

Standard	Using	Considering
IEEE 1609.1 - Standard for Dedicated Short Range Communications (DSRC) Resource Manager		
IEEE 1609-2 - Standard for Dedicated Short Range Communications (DSRC) Application Layer		
IEEE 1609.3 - Standard for IP Interface for Dedicated Short Range Communications (DSRC)		
IEEE 1609.4 - Standard for Dedicated Short Range Communications (DSRC) Medium Access Control (MAC) Layer		
E2213-02 Standard Specification for Telecommunications and Information Exchange Between Roadside and Vehicle Systems - 5 GHz Band Dedicated Short Range Communications (DSRC) Medium Access Control (MAC) and Physical Layer (PHY) Specifications		
SAE J2xxx - Standard for Data Dictionary and Message Sets for Dedicated Short Range Communications (DSRC)		
E2158-01 Standard Specification for Dedicated Short Range Communication (DSRC) Physical Layer using Microwave in the 902 to 928 MHz Band		
ASTM E17.54.00.1 - Standard Guidelines for Archiving ITS-Generated Data		
PS 105-99: Standard Provisional Specification for Dedicated Short Range Communication (DSRC) Data Link Layer		

Archived Data User Service (ADUS)

Standard	Using	Considering
ASTM E2259-03 -Standard Guidelines for Archiving		
ASTM E-17.54.02.1 Standard Specifications for Metadata Content for ITS-Generated Data		
ASTM E-17.54.02.2 Standard Specifications for Archiving ITS-Related Traffic Monitoring Data		

Location Referencing

Standard	Using	Considering
SAE J2266 - Location Referencing Message Specification		

53. What factors helped your agency decide to use ITS standards? Please pick top three factors, check only one item in each column.

	1	2	3
Options offered in the standards			
Products employ standards			
Regional architecture document requirements			
Additional funding provided			
Integration opportunities			
Consultant or integrator's recommendation			
My agency's participation on standard committees			
Training and Technical Assistance support provided by US DOT			
Responding to the rule to use ITS Standards			
Compliance testing is readily available			

54. Do you feel that using the standards helped with the integration needs for your agency? Please list project name(s) next to each option.

Absolutely:

Somewhat:

Not exactly

55. If no ITS standards are currently used, what factors will ensure that your agency uses ITS standards? Please pick top three factors, check only one item in each column (if you are using standards, please move to the next question).

	1	2	3
We are already committed to using standards when they are complete			
Vendors provide standard-compliant products			
Standards being accepted by the ITS community and being used in deployments			
Training and technical support being provided to my agency			
Standards are developed that apply to my system			
Additional funding being provided to use the standards			
Standards use enables interoperability of systems			
Other:			

56. What tool, resource, or support mechanism was/would be most helpful for implementing the standards? Please pick top three, check only one item in each column.

	1	2	3
Training courses			
Published standards provided for free			
Published standards are easily available			
Support documents (i.e. procurement and implementation guides) are available			
Workshops			
Standards Web site			
Standards forum			
Software tools to assist with correctly specifying and procuring the standard			
E-mail bulletins			
Resource documents (i.e., user guides and reference notebooks)			
Testing tools			
Case studies of other similar projects that used standards successfully			
Other:			

57. Who can we contact in your agency regarding ITS standards?

Name:
Affiliation:
Phone:
E-mail:

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

58. May FHWA follow up with this agency contact for possible peer networking?

Yes
No

DATA COLLECTION AND ARCHIVING

59. Does your agency archive any operational data?

Yes, how long have you been archiving?
No, but we plan to begin archiving data in the next year
No, but we plan to begin archiving data within the next two years
No, but we plan to begin archiving data in the future (five to ten years)
No, we do not plan to begin archiving data

60. How are data archived? (Check all that apply)

Computer database - Store raw data. (e.g., sensor feed)
Computer database - Store processed data (e.g., traffic conditions)
What is the size of the database?
Other (please specify)
Do not archive data

61. Are you aware of the Standard Guide for Archiving and Retrieving Intelligent Transportation System - Generated Data (ASTM E2259-03)?

Yes, are you using it?
- Yes
- No

No

62. Please check all the methods your agency uses to make the archived data available.

- On-Line (Web)
- CD
- Paper reports
- Other (please specify)
- Do not make archive data available/do not archive data

63. For what portion of your region/transportation network is ITS data archived?

- Arterial streets within the central business district
- Arterial streets within the metropolitan region
- Arterial streets in rural areas within the MPO planning boundary
- Congested areas only
- Other (please specify):

Please enter the current information for 2004 in the boxes provided. We have entered the information your agency provided in 2002 to assist you.

64. Please check the information that your agency collects/archives in real-time

	Collected in 2002	Archived in 2002	Collect in 2004	Archive in 2004
Traffic volumes	Provided to Surveyee	Provided to Surveyee		
Traffic speeds	Provided to Surveyee	Provided to Surveyee		
Lane occupancy	Provided to Surveyee	Provided to Surveyee		
Vehicle classification	Provided to Surveyee	Provided to Surveyee		
Travel time	Provided to Surveyee	Provided to Surveyee		
Turning movements	Provided to Surveyee	Provided to Surveyee		
Queues	Provided to Surveyee	Provided to Surveyee		
Phasing/cycle lengths	Provided to Surveyee	Provided to Surveyee		
Road conditions (e.g. wet, icy, etc.)	Provided to Surveyee	Provided to Surveyee		
Emergency vehicle signal preemption	Provided to Surveyee	Provided to Surveyee		
Transit vehicle signal priority	Provided to Surveyee	Provided to Surveyee		
Weather conditions (e.g. snow, fog, rain, etc.)	Provided to Surveyee	Provided to Surveyee		
Incidents	Provided to Surveyee	Provided to Surveyee		

65. Please check the information that your agency collects/archives electronically

	Collected in 2002	Archived in 2002	Collect in 2004	Archive in 2004
Route designations (snow emergency, etc.)	Provided to Surveyee	Provided to Surveyee		
Current work zones	Provided to Surveyee	Provided to Surveyee		
Scheduled work zones	Provided to Surveyee	Provided to Surveyee		
Intermodal (air, rail, water) connections	Provided to Surveyee	Provided to Surveyee		
Emergency/evacuation routes and procedures	Provided to Surveyee	Provided to Surveyee		
Incident status	Provided to Surveyee	Provided to Surveyee		
Traffic video surveillance	Provided to Surveyee	Provided to Surveyee		
Other:	Provided to Surveyee	Provided to Surveyee		
Do not collect/archive information	Provided to Surveyee	Provided to Surveyee		

66. What are the data used for?

	2002 Response	2004 Response
Do not know	Provided to Surveyee	
Traffic analysis	Provided to Surveyee	
Construction impact determination	Provided to Surveyee	
Capital planning/analysis	Provided to Surveyee	
Operation planning/analysis	Provided to Surveyee	
Incident detection algorithm development	Provided to Surveyee	
Roadway impact analysis	Provided to Surveyee	
Accident prediction models	Provided to Surveyee	
Dissemination to the public	Provided to Surveyee	
Traffic Management	Provided to Surveyee	
Measurement of performance	Provided to Surveyee	
Safety analysis	Provided to Surveyee	
Traffic simulation modeling	Provided to Surveyee	
Travel time prediction	Provided to Surveyee	
Other:	Provided to Surveyee	

EMERGENCY PREPAREDNESS

67. Does your agency participate in a statewide disaster planning program?

Yes
No
Don't know

EVALUATION

68. The U.S. DOT is interested in networking with evaluators of Intelligent Transportation Systems (ITS) nationwide. Is there a point of contact in your state for ITS evaluations?

Yes

Please provide the name, e-mail, and phone number:

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

No
Don't know

69. **The U.S. DOT ITS JPO actively collects data on the benefits and costs of ITS implementations and makes this information available at the following URL: http://www.benefitcost.its.dot.gov/. Are you aware of any locally produced and funded evaluations that could be added to this national database?**

Yes

Please provide a point of contact (name, phone number and e-mail) or reference (e.g., URL) for the evaluation report.

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

No

Don't know

COST AND BENEFITS

70. **Is your agency willing to share COST information on ITS-related equipment and projects (i.e., capital and O&M cost, project component breakdown, and brief description)? This information will be used to update the ITS JPO sponsored ITS costs database.**

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

71. **Is your agency willing to share BENEFITS information from ITS deployments? This information will be used to update the ITS JPO sponsored ITS benefits database.**

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