# Tracking the Deployment of the Integrated Metropolitan ITS Infrastructure in New York, Northern New Jersey, Southwestern Connecticut

# **FY99 Results**

#### For additional information, please contact:

Joseph I. Peters, Ph.D.
ITS Program Assessment Coordinator
ITS Joint Program Office, Room 3416
400 Seventh St., S.W.
Washington, D.C. 20590
(202) 366-2202
FAX: (202) 493-2027
E-mail: ioe.peters@fhwa.dot.gov

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## Part 1 - Background and Purpose

In January 1996, Secretary Peña set a goal of deploying the integrated metropolitan Intelligent Transportation System (ITS) infrastructure in 75<sup>1</sup> of the nation's largest metropolitan areas by 2006:

"I'm setting a national goal: to build an intelligent transportation infrastructure across the United States to save time and lives, and improve the quality of life for Americans. I believe that what we do, we must measure . . . Let us set a very tangible target that will focus our attention . . . I want 75 of our largest metropolitan areas outfitted with a complete intelligent transportation infrastructure in 10 years."

-- Secretary Peña, 1996

In 1997, the U.S. Department of Transportation initiated an effort to track progress toward fulfillment of this goal by conducting a survey of deployment in the nation's largest metropolitan areas. Traditionally, the product of a transportation infrastructure investment consists of a fixed asset such as a highway, bridge, or public transportation vehicle developed, constructed, or purchased by a single agency. Tracking the level of deployment for such traditional fixed assets can be accomplished by simply counting the number of such assets deployed. Measuring the deployment of the metropolitan ITS infrastructure is more complex because it consists of a set of systems, often deployed by multiple agencies, and integrated through a combination of complex institutional and technical arrangements. In brief, it is often difficult to simply count the number of systems deployed without first devising a measurement approach that captures the essential features of such systems in a consistent fashion across many deployment environments.

In order to track progress toward fulfillment of the Secretary's goal for deployment, the U.S. Department of Transportation ITS Joint Program Office developed the metropolitan ITS deployment tracking methodology. This methodology tracks deployment of the nine components that make up the Metropolitan ITS infrastructure: Freeway Management; Incident Management; Arterial Management; Emergency Management; Transit Management; Electronic Toll Collection; Electronic Fare Payment; Highway-Rail Intersections; and Regional Multimodal Traveler Information. Through a set of indicators tied to the major functions of each component, the level of deployment is tracked for the nation's largest metropolitan areas. In addition, the integration links between agencies operating the infrastructure are also tracked. The details of

<sup>&</sup>lt;sup>1</sup> Since Secretary Peña's speech, the number of metropolitan areas that DOT will measure has been increased from 75 to 78. However, to maintain reporting consistency across the 10-year goal period, this report considers only the original 75 metropolitan areas.

<sup>&</sup>lt;sup>2</sup> Excerpt of a speech delivered by Secretary of Transportation Peña at the Transportation Research Board in Washington, DC on January 10, 1996.

the methodology are explained elsewhere.<sup>3</sup>

During the summer and fall of 1999, the U.S. DOT undertook a new data collection effort for the purpose of examining ITS deployment progress in the nation's largest metropolitan areas. The New York, Northern New Jersey, Southwestern Connecticut metropolitan area was among the areas surveyed in 1997 and again in 1999. This report presents the results of the 1999 survey efforts and compares the results of the 1997 survey against those observed in 1999. The overall response rate for the surveys administered in the New York, Northern New Jersey, Southwestern Connecticut region was 63% in 1997 and 68% in 1999.

Part 2 contains a summary of the 1999 survey results, and Part 3 provides a comparison of 1999 survey results and the 1997 survey results.

The report also contains a set of appendices containing a map of the survey area, the list of local contacts surveyed along with a status of their response to the survey and a summary of the data collected from the surveys.

Agencies are encouraged to review the data presented in this report for completeness and accuracy and to direct any comments or corrections to the data provided to the contacts listed below:

Steve Gordon
Oak Ridge National Laboratory
P.O. Box 2008, 4500N, MS-6207
Oak Ridge, TN 37831-6207
(865) 576-8416 (voice)
(865) 574-3895 (fax)
gordonsr@ornl.gov

Jeff Trombly
Science Applications International Corporation
301 Laboratory Road
Oak Ridge, TN 37831-2501
(865) 481-8563 (voice)
(865) 481-2941 (fax)
jeffrey.w.trombly@saic.com

<sup>&</sup>lt;sup>3</sup> Additional Resources: "Measuring ITS Deployment and Integration" (Electronic Document Number: 4372). U.S. Department of Transportation, Joint Program Office for Intelligent Transportation Systems, 400 Seventh St., SW (HVH-1), Washington, DC 20590, Phone: 202-366-9536, Fax: 202-366-3302, Web: http://www.its.dot.gov.

## Part 2 - Summary 1999 Survey Results

Deployment indicators have been developed for two broad areas of interest: (1) the individual components, including their basic functions and characteristics and (2) integration of components, including how these components work together to provide coordinated regional service. As mentioned earlier, these indicators are expressed as percentages of the possible deployment opportunity and not necessarily what should be deployed based on local needs. Requirements for deployment and integration between each component will vary based on local conditions and cannot be assigned without extensive coordination with individual metropolitan areas.

The following two figures portray the surrogate indicators for each of the nine components in New York, Northern New Jersey, Southwestern Connecticut and the same indicators at the national level. These are judged to be the single best representative of a component and are being used as summary indicator for component. The summary indicators are expressed as a percentage; however, because deployment goals have yet to be established, these indicators should not be read as a comparison of what is deployed versus eventual deployment goals. Instead, they only reflect what is deployed compared to full market saturation (i.e., opportunity for deployment).

Each component indicator was selected to reflect a critical function of the individual components. For example, in the case of Freeway Management, three basic functions were defined: surveillance, traffic control, and information display. The three indicators developed to reflect these functions are: percentage of freeway centerline miles under electronic surveillance (surveillance function), percentage of freeway entrance ramps managed by ramp meters (traffic control function), and percentage of freeway centerline miles covered by permanent VMS, HAR, or in-vehicle signing (information display function). The indicators are surrogates that do not necessarily reflect the full breadth of metropolitan ITS deployment activity.

A critical aspect of ITS that provides much of its capability is the integration of individual components to form a unified regional traffic control system. Individual ITS components routinely collect information that is used for purposes internal to that component. For example, the Arterial Management component monitors arterial conditions to revise signal timing and to convey these conditions to travelers through such technologies as variable message signs and highway advisory radio. Other ITS components can make use of this information in formulating their control strategies. For example, Transit Management may alter routes and schedules based on real-time information on arterial traffic conditions, and Freeway Management may alter ramp metering or diversion recommendations based on the same information.

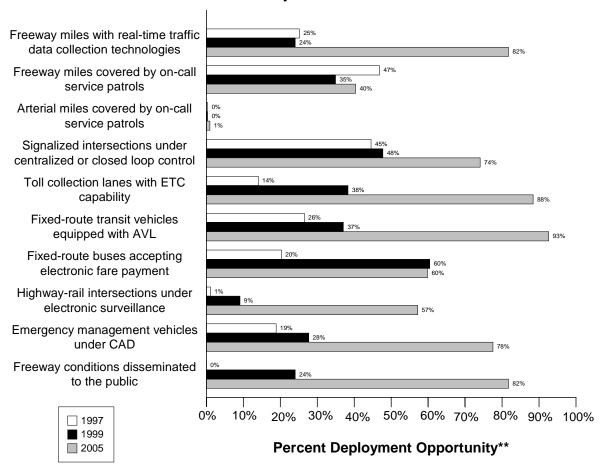
As with the component indicators, definitions for inter- and intra-component integration were developed for each component, and indicators, derived from these definitions, were produced for each component. A total of 34 individual integration indicators was specified and is portrayed in the third figure which follows. Each integration indicator has been assigned a number and an

origin/destination path from one ITS infrastructure component to another. For example, the integration of information from the Freeway Management component to the Regional Multimodal Traveler Information component is identified by the number "10."

# New York, Northern New Jersey, Southwestern Connecticut

Data as of 5/1/00

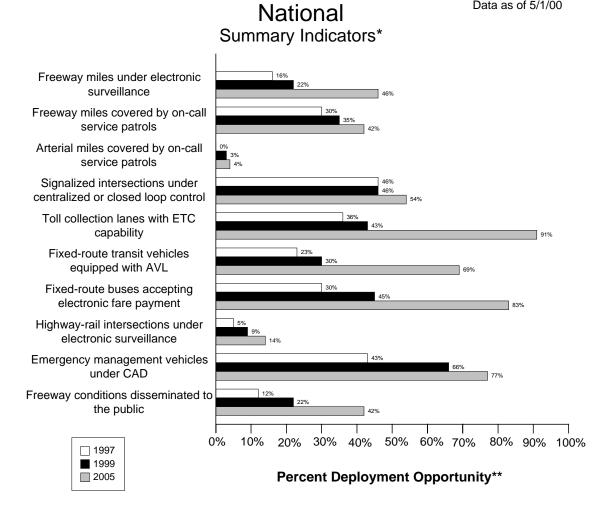
# Summary Indicators\*



<sup>\*</sup> Indicators are single surrogates that do not necessarily reflect the full breadth of ITS deployment activity.

<sup>\*\*</sup> Deployment opportunity reflects potential totals that do not necessarily reflect actual need.

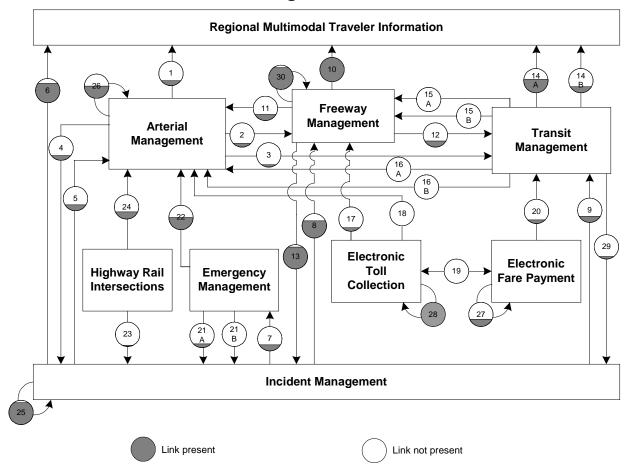




<sup>\*</sup> Indicators are single surrogates that do not necessarily reflect the full breadth of ITS deployment activity

<sup>\*\*</sup> Deployment opportunity reflects potential totals that do not necessarily reflect actual need

# New York, Northern New Jersey, Southwestern Connecticut Integration Links



Note: Shading indicates the value of the link. For example a circle half shaded equals 50%

Link	Description	Link	Description
1	Arterial Management to Regional	2	Arterial Management to Freeway
	Multimodal Traveler Information		Management
3	Arterial Management to Transit	4	Arterial Management to Incident
	Management		Management
5	Incident Management to Arterial	6	Incident Management to Regional
	Management		Multimodal Traveler Information
7	Incident Management to Emergency	8	Incident Management to Freeway
	Management.		Management
9	Incident Management to Transit	10	Freeway Management to Regional
	Management		Multimodal Traveler Information
11	Freeway Management to Arterial	12	Freeway Management to Transit
	Management		Management

Link	Description	Link	Description
13	Freeway Management to Incident	14a	Transit Management to Regional
	Management		Multimodal Traveler Information
			(static route information)
		14b	Transit Management to Regional
			Multimodal Traveler Information
			(schedule adherence information)
15a	Transit Management to Freeway	16a	Transit Management to Arterial
	Management		Management
15b	Transit Management to Freeway	16b	Transit Management to Arterial
	Management (transit vehicle probes)		Management (transit vehicle probes)
17	Electronic Toll Collection to	18	Electronic Toll Collection to Arterial
	Freeway Management (ETC		Management (ETC equipped probes)
	equipped probes)		
19	Electronic Fare Payment and	20	Electronic Fare Payment to Transit
	Electronic Toll Collection		Management
21a	Emergency Management to Incident	22	Emergency Management to Arterial
	Management (incident notification)		Management
21b	Emergency Management to Incident		
	Management (incident clearance)		
23	Highway-rail intersections to	24	Highway-rail intersections to Arterial
	Incident Management (crossing		Management (crossing status)
	status)		
25	Incident Management intra	26	Arterial Management intra component
	component		
27	Electronic Fare Payment intra	28	Electronic Toll Collection intra
	component.		component
29	Transit Management to Incident	30	Freeway Management intra
	Management (incident reporting)		component

# Part 3 - Detailed 1999 Survey Results

The following figures and tables summarize the complete set of component and integration indicators developed for the New York, Northern New Jersey, Southwestern Connecticut metropolitan area. The figures summarizing the component indicators consist of a bar chart portraying the deployment levels for 1997, 1999, and 2005 accompanied by detailed tables of the data used to calculate each component indicator value (*Num* stands for numerator and *Den* stands for denominator; blank space indicates that no response was received.)

Example: Calculating Component Indicators for Freeway Management

Consider a metropolitan area with 100 miles of freeway and 25 freeway entrance ramps. The area has no ramp meters, 10 freeway miles for which traffic data are collected electronically, and 5 freeway miles, which are covered by highway advisory radio.

The component indicator for electronic surveillance is calculated as (10/100) or 10%.

The component indicator for ramp meter control is calculated as (0/25) or 0%.

The component indicator for HAR coverage is calculated as (5/100) or 5%.

The summary indicator for the metropolitan area is calculated as (10%+0%+5%)/3=5%.

The figures summarizing the integration indicators consist of a diagram for each of the nine metropolitan ITS components portraying the integration level for 1999 (*italic*) and 2005 (**bold**), accompanied by tables providing an explanation of the data and calculations performed to develop each integration indicator value for 1999 and 2005. Each diagram portrays the proportion of agencies providing information to a component (e.g., the flow of incident information from Incident Management to Freeway Management) and the proportion of agencies providing information from one component to other components (e.g., the flow of freeway travel condition information from Freeway Management to Arterial Management).

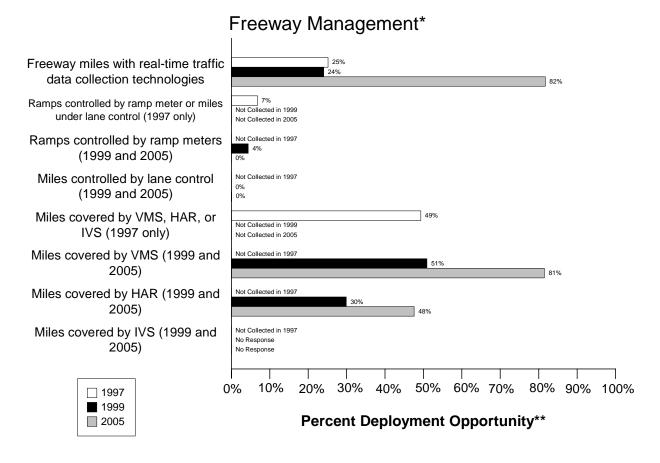
Example: Calculating Integration between Arterial Management and Regional Multimodal Traveler Information

Consider a metropolitan area with three arterial management agencies. One out of three provides information to the public using a Regional Multimodal Traveler Information Media (e.g., internet, kiosk, pager, etc...). The integration indicator is 1/3 or 33%.

#### **Freeway Management Component Indicators**

# New York, Northern New Jersey, Southwestern Connecticut

Data as of 5/1/00



<sup>\*</sup> Indicators are single surrogates that do not necessarily reflect the full breadth of ITS deployment activity.

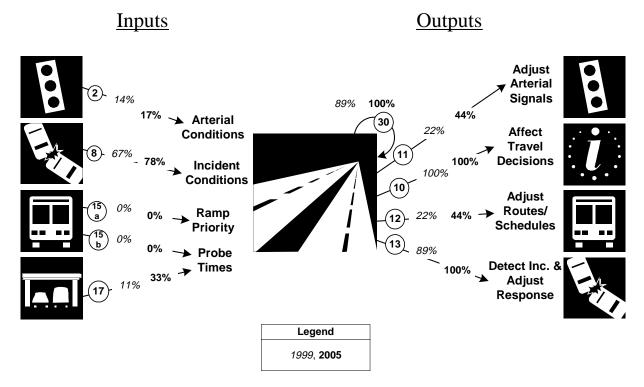
<sup>\*\*</sup> Deployment opportunity reflects potential totals that do not necessarily reflect actual need.

	1997			1999			2005		
Description	Num	Den	%	Num	Den	%	Num	Den	%
Freeway centerline miles	323.	1286	25%	309	1286	24%	1051	1286	82%
are under electronic	58								
surveillance for									
monitoring traffic flow									
Freeway entrance ramps	126	1850	7%						
are controlled by ramp									
meters or miles under lane									
control									

	1997		1999			2005			
Description	Num	Den	%	Num	Den	%	Num	Den	%
Freeway entrance ramps				81	1850	4%	0	1850	0%
are controlled by ramp									
meters									
Freeway centerline miles				0	1286	0%	1	1286	0%
will be controlled by lane									
control									
Freeway miles are	634.	1286	49%						
covered by VMS, HAR,	28								
or IVS									
Freeway miles are				655	1286	51%	1048	1286	81%
covered by VMS									
Freeway miles are				385	1286	30%	612	1286	48%
covered by HAR									
Freeway miles are					1286			1286	
covered by IVS									

# **Freeway Management Integration Indicators**

# New York, Northern New Jersey, Southwestern Connecticut Freeway Management Integration\*



\* Indicators are single surrogates that do not necessarily reflect the full breadth of ITS deployment activity

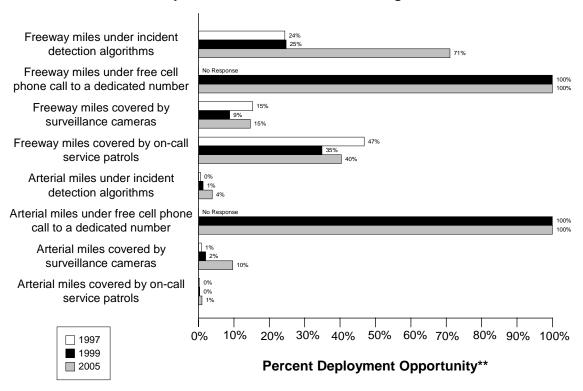
Link Description	1999	2005
2. Arterial Management agencies sending information to Freeway	(5/35)	(6/35)
Management	14%	17%
8. Incident Management agencies sending information to Freeway	(6/9)	(7/9)
Management	67%	78%
15a. Transit management agencies with vehicles equipped with	(0/17)	( 0/ 17)
ramp meter priority	0%	0%
15b. Transit Management agencies with vehicles equipped as	(0/17)	( 0/ 17)
probes	0%	0%
17. Freeway Management agencies receiving freeway conditions	(1/9)	(3/9)
from vehicle probes	11%	33%
30. Freeway Management agencies sending information to another	(8/9)	(9/9)
Freeway Management agency	89%	100%
11. Freeway Management agencies sending information to Arterial	(2/9)	(4/9)
Management	22%	44%

Link Description	1999	2005
10. Freeway Management agencies disseminating freeway	(9/9)	(9/9)
conditions to the public	100%	100%
12. Freeway Management agencies sending freeway conditions to	(2/9)	(4/9)
Transit Management	22%	44%
13. Freeway Management agencies sending freeway conditions to	(8/9)	(9/9)
Incident Management	89%	100%

#### **Incident Management Component Indicators**

#### New York, Northern New Jersey, Southwestern Connecticut Data as of 5/1/00

# Freeway and Arterial Incident Management\*



<sup>\*</sup> Indicators are single surrogates that do not necessarily reflect the full breadth of ITS deployment activity.

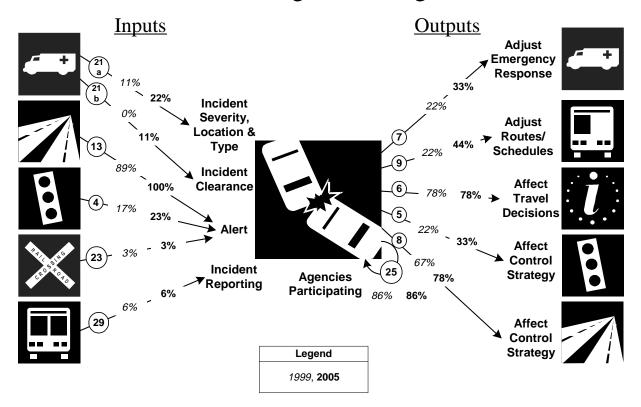
<sup>\*\*</sup> Deployment opportunity reflects potential totals that do not necessarily reflect actual need.

	1997			1999			2005		
Description	Num	Den	%	Num	Den	%	Num	Den	%
Freeway miles are	314	1286	24%	318	1286	25%	914	1286	71%
covered by incident									
detection algorithms									
Freeway miles are		1286		1286	1286	100%	1286	1286	100%
covered by free cellular									
phone calls to a									
dedicated number									
Freeway miles are	196.	1286	15%	113	1286	9%	188	1286	15%
covered by surveillance	78								
cameras.									

	1997				1999		2005			
Description	Num	Den	%	Num	Den	%	Num	Den	%	
Freeway miles are covered by on-call publicly-sponsored service patrol or towing services.	602	1286	47%	449	1286	35%	519	1286	40%	
Arterial miles are covered by incident detection algorithms	36	7232	0%	93	7232	1%	279	7232	4%	
Arterial miles are covered by free cellular phone calls to a dedicated number		7232		7232	7232	100%	7232	7232	100%	
Arterial miles are covered by surveillance cameras	57	7232	1%	145	7232	2%	700	7232	10%	
Arterial miles are covered by on-call publicly-sponsored service patrol or towing services	24	7232	0%	25	7232	0%	70	7232	1%	

## **Incident Management Integration Indicators**

# New York, Northern New Jersey, Southwestern Connecticut Incident Management Integration\*



<sup>\*</sup> Indicators are single surrogates that do not necessarily reflect the full breadth of ITS deployment activity

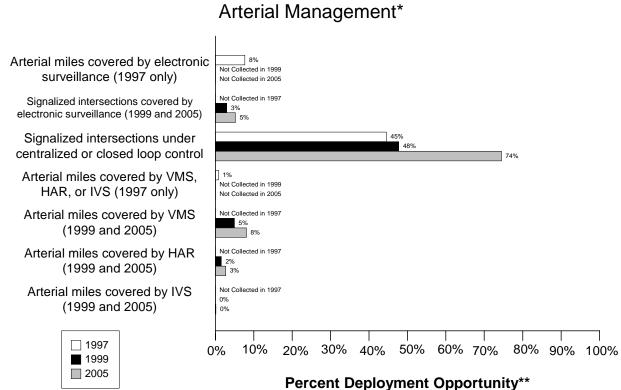
Link Description	1999	2005
21a. Incident management agencies receiving incident severity from	(1/9)	(2/9)
Emergency Management	11%	22%
21b. Incident management agencies receiving incident clearance	(0/9)	(1/9)
activities from Emergency Management	0%	11%
13. Freeway Management agencies sending freeway conditions to	(8/9)	(9/9)
Incident Management	89%	100%
4. Arterial Management agencies sending arterial conditions to	(6/35)	(8/35)
Incident Management	17%	23%
23. Arterial Management agencies receive information on highway-	(1/35)	(1/35)
rail intersection crossing blockages for the purpose of managing	3%	3%
incident response		
29. Transit Management agencies report traffic incidents as part of an	( 1/17)	( 1/ 17)
organized regional incident management program	6%	6%

Link Description	1999	2005
7. Incident management agencies transfer information describing	(2/9)	(3/9)
incident severity, location, and type to Emergency Management	22%	33%
agencies		
9. Incident Management agencies transfer information describing	(2/9)	(4/9)
incident severity, location, and type to Transit Management agencies	22%	44%
6. Incident Management agencies disseminate information describing	(7/9)	(7/9)
incident severity, location, and type to the public	78%	78%
5. Incident Management agencies transfer information describing	(2/9)	(3/9)
incident severity, location, and type to Arterial Management agencies	22%	33%
8. Incident Management agencies transfer information describing	(6/9)	(7/9)
incident severity, location, and type to Freeway Management agencies	67%	78%
25. Police, fire, and EMS agencies participating in a formal incident	(43/50)	(43/50)
management plan/team	86%	86%

#### **Arterial Management Component Indicators**

# New York, Northern New Jersey, Southwestern Connecticut

Data as of 5/1/00



<sup>\*</sup> Indicators are single surrogates that do not necessarily reflect the full breadth of ITS deployment activity.

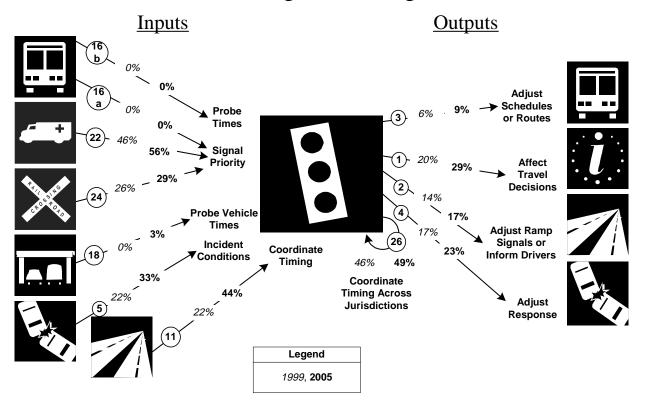
<sup>\*\*</sup> Deployment opportunity reflects potential totals that do not necessarily reflect actual need.

	1997				1999		2005		
Description	Num	Den	%	Num	Den	%	Num	Den	%
Arterial miles covered by	557	7232	8%						
electronic surveillance									
Signalized intersections are covered by electronic surveillance for monitoring traffic flow				875	29477	3%	1434	27448	5%

	1997				1999		2005			
Description	Num	Den	%	Num	Den	%	Num	Den	%	
Signalized intersections are under centralized or closed loop control	7860	17650	45%	14075	29477	48%	20436	27448	74%	
Arterial miles are covered by VMS, HAR, or IVS	60	7232	1%							
Arterial miles are covered by VMS				360	7232	5%	585	7232	8%	
Arterial miles are covered by HAR				113	7232	2%	196	7232	3%	
Arterial miles are covered by IVS				0	7232	0%	10	7232	0%	

# **Arterial Management Integration Indicators**

# New York, Northern New Jersey, Southwestern Connecticut Arterial Management Integration\*



\* Indicators are single surrogates that do not necessarily reflect the full breadth of ITS deployment activity

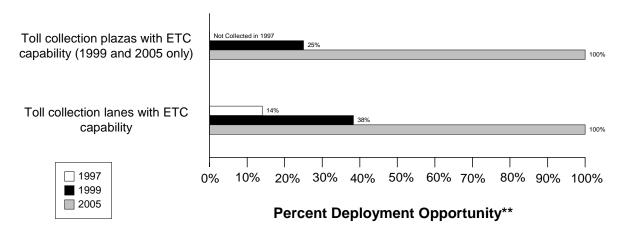
Link Description	1999	2005
16a. Transit management agencies with vehicles equipped with traffic	( 0/ 17)	( 0/ 17)
signal priority	0%	0%
16b. Transit Management agencies have vehicles equipped as probes	(0/17)	( 0/ 17)
on arterials	0%	0%
22. Emergency Management agencies have vehicles equipped with	(23/50)	(28/50)
traffic signal preemption capability	46%	56%
24. Arterial Management agencies have traffic signals within 200 feet	(9/35)	(10/35)
of a highway rail intersection with the capability of having their signal	26%	29%
timing adjusted in response to a train crossing		
18. Number of Arterial Management agencies receiving information	(0/35)	(1/35)
from vehicle probes	0%	3%
5. Incident Management agencies transfer information describing	(2/9)	(3/9)
incident severity, location, and type to Arterial Management	22%	33%
11. Freeway Management agencies transfer freeway travel times,	(2/9)	(4/9)
speeds, and conditions to Arterial Management agencies	22%	44%

Link Description	1999	2005
3. Arterial Management agencies transfer arterial travel times, speeds,	(2/35)	(3/35)
and conditions to Transit Management	6%	9%
1. Arterial Management agencies disseminate arterial travel times,	(7/35)	(10/35)
speeds, and conditions to the public	20%	29%
2. Arterial Management agencies send traffic condition information to	(5/35)	(6/35)
Freeway Management	14%	17%
4. Arterial Management agencies transfer arterial travel times, speeds,	(6/35)	(8/35)
and conditions to Incident Management	17%	23%
26. Arterial Management agencies under cooperative agreement to	(16/35)	(17/35)
share traffic signal timing for coordinated response	46%	49%

#### **Electronic Toll Collection Component Indicators**

# New York, Northern New Jersey, Southwestern Connecticut Data as of 5/1/00

## Electronic Toll Collection\*



<sup>\*</sup> Indicators are single surrogates that do not necessarily reflect the full breadth of ITS deployment activity.

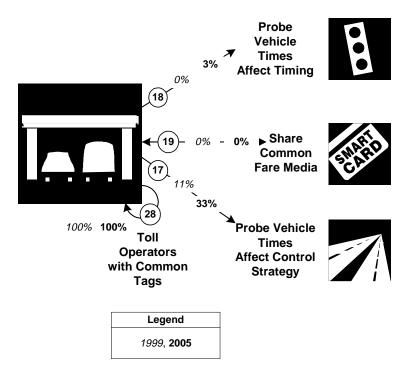
<sup>\*\*</sup> Deployment opportunity reflects potential totals that do not necessarily reflect actual need.

	1997			1999			2005		
Description	Num	Den	%	Num	Den	%	Num	Den	%
Toll collection plazas				22	88	25%	81	81	100%
with ETC capability									
Toll collection lanes	138	983	14%	415	1084	38%	391	391	100%
with ETC capability									

# **Electronic Toll Collection Integration Indicators**

# New York, Northern New Jersey, Southwestern Connecticut Electronic Toll Collection Integration\*

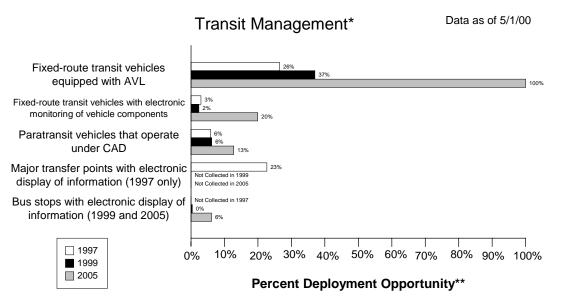
<u>Inputs</u> <u>Outputs</u>



<sup>\*</sup> Indicators are single surrogates that do not necessarily reflect the full breadth of ITS deployment activity

Link Description	1999	2005
18. Number of Arterial Management agencies receiving information	(0/35)	(1/35)
from vehicle probes	0%	3%
19. Transit agencies that accept electronic payment through the use of	(0/17)	(0/17)
electronic toll collection media	0%	0%
17. Freeway Management agencies receiving information from vehicle	(1/9)	(3/9)
probes	11%	33%
28. Toll operators using common toll tag technology	(18/ 18)	(18/ 18)
	100%	100%

# Transit Management Component Indicators New York, Northern New Jersey, Southwestern Connecticut



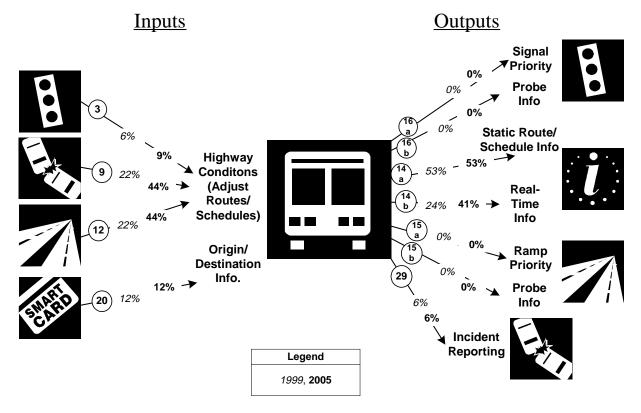
<sup>\*</sup> Indicators are single surrogates that do not necessarily reflect the full breadth of ITS deployment activity.

<sup>\*\*</sup> Deployment opportunity reflects potential totals that do not necessarily reflect actual need.

	1997			1999			2005		
Description	Num	Den	%	Num	Den	%	Num	Den	%
Fixed-route transit	2270	8573	26%	2614	7056	37%	3032	3032	100%
vehicles are equipped with AVL									
Fixed-route transit	258	8551	3%	168	7056	2%	606	3032	20%
vehicles are equipped									
with electronic									
monitoring of vehicle component									
Paratransit vehicles	23	391	6%	82	1328	6%	147	1149	13%
operate under	23	371	070	02	1320	070	17/	1177	13/0
computer-aided									
dispatch									
Percent fixed-route	17	75	23%						
transfer locations with									
electronic display of									
information									
Bus stops display				160	38530	0%	1504	2450	6%
information to the								0	
public									

# **Transit Management Integration Indicators**

# New York, Northern New Jersey, Southwestern Connecticut Transit Management Integration\*



\* Indicators are single surrogates that do not necessarily reflect the full breadth of ITS deployment activity

Link Description	1999	2005
3. Arterial Management agencies transfer arterial travel times, speeds,	(2/35)	(3/35)
and conditions to Transit Management	6%	9%
9. Incident management agencies transfer information describing	(2/9)	(4/9)
incident severity, location, and type to Transit Management	22%	44%
12. Freeway Management agencies transfer freeway travel times,	(2/9)	(4/9)
speeds, and conditions to Transit Management	22%	44%
20. Transit Management agencies using Electronic Fare Payment data in	(2/17)	(2/17)
transit service planning	12%	12%
16a. Transit Management agencies have vehicles equipped with traffic	(0/17)	(0/17)
signal priority capability	0%	0%
16b. Transit Management agencies have vehicles equipped as probes on	(0/17)	(0/17)
arterials	0%	0%
14a. Transit Management agencies disseminate information describing	(9/17)	(9/17)
transit routes, schedules, and fares to travelers	53%	53%

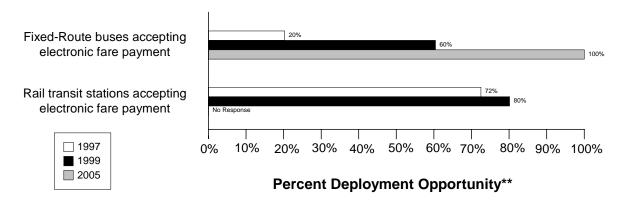
Link Description	1999	2005
14b. Transit Management agencies disseminate information describing	(4/17)	(7/17)
schedule/route adherence to travelers	24%	41%
15a. Transit Management agencies have vehicles equipped with ramp	(0/17)	(0/17)
meter priority capability	0%	0%
15b. Transit Management agencies have vehicles equipped as probes on	(0/17)	(0/17)
freeways	0%	0%
29. Transit Management agencies that report traffic incidents as part of	(1/17)	( 1/ 17)
an organized regional Incident Management program	6%	6%

## **Electronic Fare Payment Component Indicators**

# New York, Northern New Jersey, Southwestern Connecticut

Data as of 5/1/00

# Electronic Fare Payment\*



<sup>\*</sup> Indicators are single surrogates that do not necessarily reflect the full breadth of ITS deployment activity.

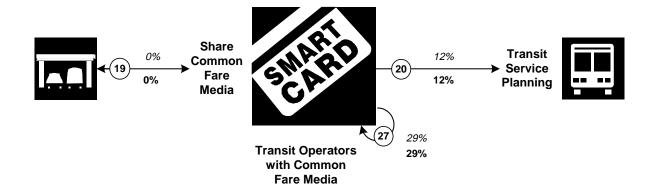
<sup>\*\*</sup> Deployment opportunity reflects potential totals that do not necessarily reflect actual need.

	1997			1999			2005		
Description	Num	Den	%	Num	Den	%	Num	Den	%
Fixed-route transit	1739	8573	20%	4263	7056	60%	4263	4063	100%
vehicles that accept									
electronic payment									
Rail transit stations that	469	647	72%	468	584	80%		585	
accept electronic									
payment									

## **Electronic Fare Payment Integration Indicators**

# New York, Northern New Jersey, Southwestern Connecticut Electronic Fare Payment Integration\*

<u>Inputs</u> <u>Outputs</u>



Legend
1999
2005

<sup>\*</sup> Indicators are single surrogates that do not necessarily reflect the full breadth of ITS deployment activity

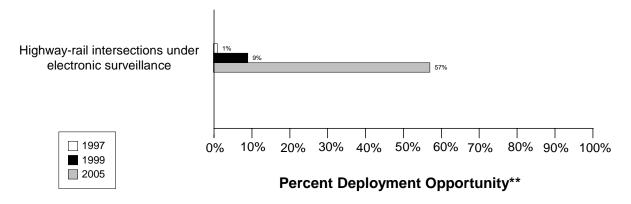
Link Description	1999	2005
19. Transit agencies that accept electronic payment through the use of	(0/17)	(0/17)
electronic toll collection media	0%	0%
20. Transit Management agencies use Electronic Fare Payment data in	(2/17)	(2/17)
transit service planning	12%	12%
27. Transit Management agencies that use the same electronic payment	(5/17)	( 5/ 17)
system	29%	29%

# **Highway Rail Intersection Component Indicators**

# New York, Northern New Jersey, Southwestern Connecticut

Data as of 5/1/00

# Highway-Rail Intersections\*



\* Indicators are single surrogates that do not necessarily reflect the full breadth of ITS deployment activity.

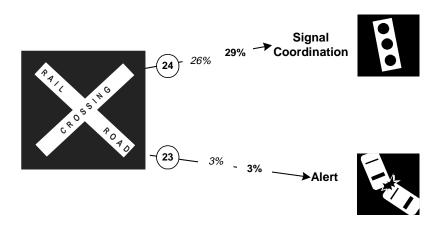
<sup>\*\*</sup> Deployment opportunity reflects potential totals that do not necessarily reflect actual need.

	1997			1999			2005		
Description	Num	Den	%	Num	Den	%	Num	Den	%
Highway-rail intersections are under electronic surveillance	4	369	1%	7	77	9%	44	77	57%

## **Highway Rail Intersection Integration Indicators**

# New York, Northern New Jersey, Southwestern Connecticut Highway Rail Intersections Integration\*

<u>Inputs</u> <u>Outputs</u>



Legend	
1999, <b>2005</b>	

<sup>\*</sup> Indicators are single surrogates that do not necessarily reflect the full breadth of ITS deployment activity

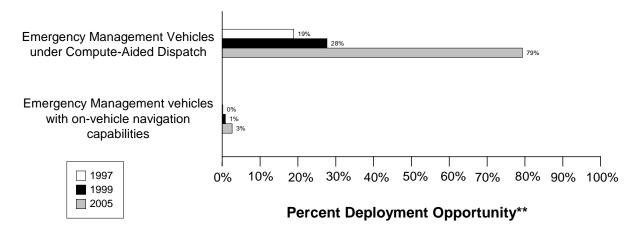
Link Description	1999	2005
24. Arterial Management agencies with traffic signals within 200 feet of	(9/35)	(10/
a highway rail intersection with the capability of having their signal	26%	35)
timing adjusted in response to a train crossing		29%
23. Arterial Management agencies receive information on highway-rail	(1/35)	(1/35)
intersection crossing blockages for the purpose of managing incident	3%	3%
response		

#### **Emergency Management Component Indicators**

# New York, Northern New Jersey, Southwestern Connecticut

Data as of 5/1/00

# **Emergency Management\***



<sup>\*</sup> Indicators are single surrogates that do not necessarily reflect the full breadth of ITS deployment activity.

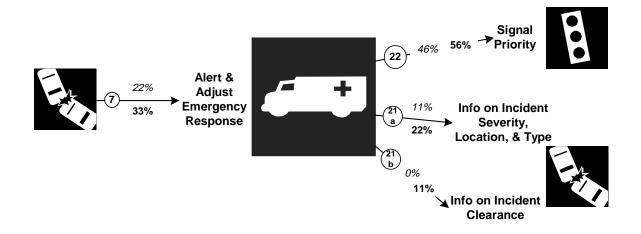
<sup>\*\*</sup> Deployment opportunity reflects potential totals that do not necessarily reflect actual need.

	1997			1999			2005		
Description	Num	Den	%	Num	Den	%	Num	Den	%
Public sector emergency	556	2947	19%	754	2721	28%	1909	2406	79%
vehicles that operate									
under computer-aided									
dispatch									
Public sector emergency	5	2947	0%	23	2721	1%	63	2406	3%
vehicles that have in-									
vehicle route guidance									
capability									

# **Emergency Management Integration Indicators**

# New York, Northern New Jersey, Southwestern Connecticut Emergency Management Integration\*

<u>Inputs</u> <u>Outputs</u>



Legend
1999, <b>2005</b>

<sup>\*</sup> Indicators are single surrogates that do not necessarily reflect the full breadth of ITS deployment activity

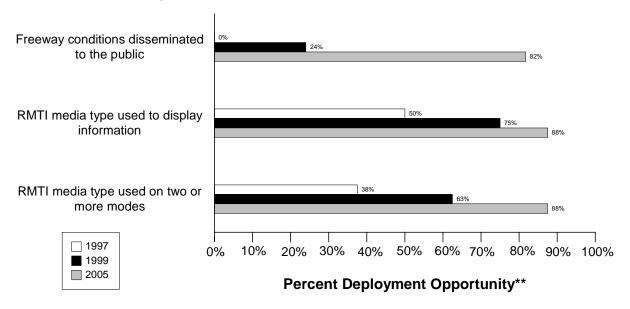
Link Description	1999	2005
7. Freeway Management agencies transfer information describing	(2/9)	(3/9)
incident severity, location, and type to Emergency Management agencies	22%	33%
22. Emergency Management agencies have vehicles equipped with	(23/	(28/
traffic signal preemption capability	50)	50)
	46%	56%
21a. Freeway Management agencies receive incident severity, location,	(1/9)	(2/9)
and type data from Emergency Management agencies	11%	22%
21b. Freeway Management agencies receive incident clearance	(0/9)	(1/9)
activities information from Emergency Management agencies	0%	11%

## **Regional Multimodal Traveler Information Component Indicators**

# New York, Northern New Jersey, Southwestern Connecticut

Data as of 5/1/00

# Regional Multimodal Traveler Information\*



<sup>\*</sup> Indicators are single surrogates that do not necessarily reflect the full breadth of ITS deployment activity.

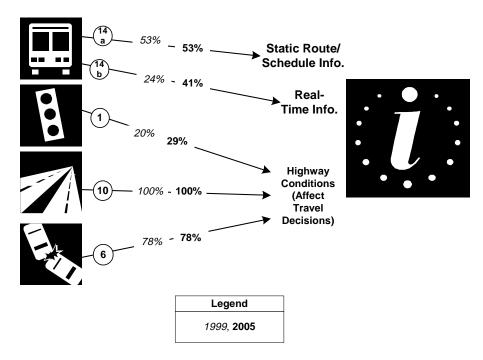
<sup>\*\*</sup> Deployment opportunity reflects potential totals that do not necessarily reflect actual need.

	1997			1999			2005		
Description	Num	Den	%	Num	Den	%	Num	Den	%
Freeway conditions	0	1286	0%	309	1286	24%	1051	1286	82%
disseminated to									
travelers									
Possible RMTI media	4	8	50%	6	8	75%	7	8	88%
types are used to									
display information to									
travelers									
Possible RMTI media	3	8	38%	5	8	63%	7	8	88%
are used to display									
information on two or									
more modes to									
travelers									

## **Regional Multimodal Traveler Information Integration Indicators**

# New York, Northern New Jersey, Southwestern Connecticut Regional Multimodal Traveler Information Integration\*

<u>Inputs</u> <u>Outputs</u>

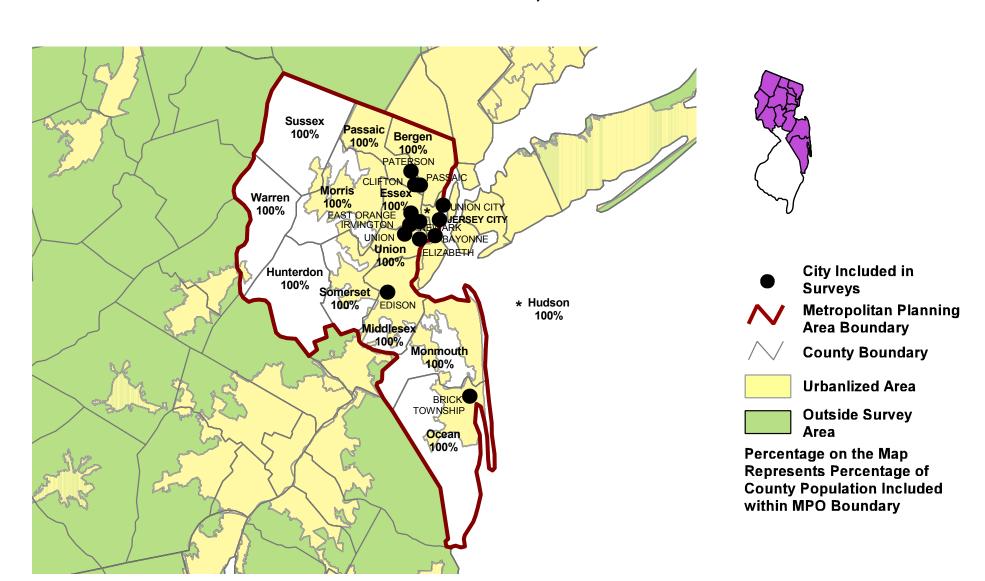


<sup>\*</sup> Indicators are single surrogates that do not necessarily reflect the full breadth of ITS deployment activity

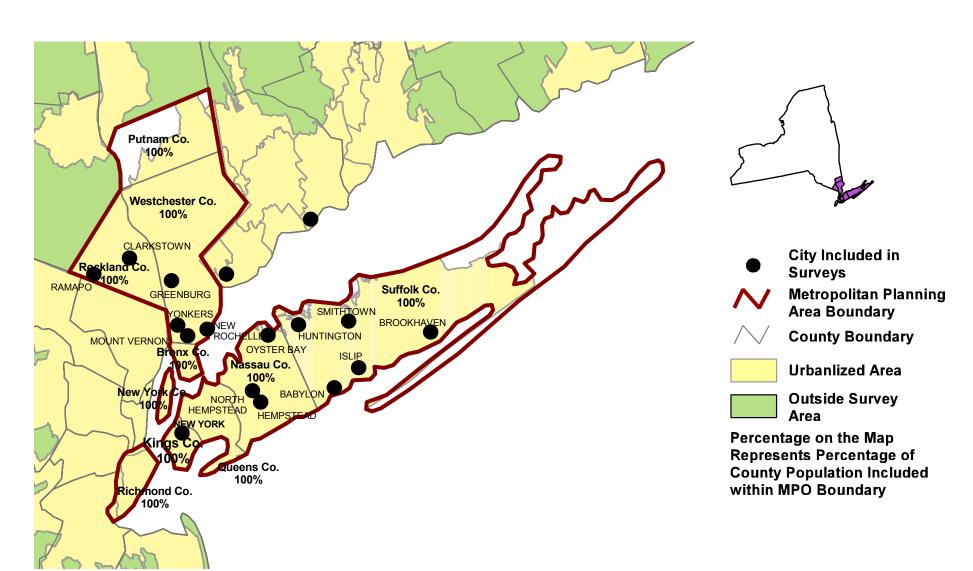
Link Description	1999	2005
14a. Transit Management agencies that disseminate information	(9/17)	(9/17)
describing transit routes, schedules, and fares to travelers	53%	53%
14b. Transit Management agencies that disseminate information	(4/17)	(7/17)
describing schedule/route adherence to travelers	24%	41%
1. Arterial Management agencies that disseminate arterial travel times,	(7/35)	(10/
speeds, and conditions to the public	20%	35)
		29%
10. Freeway Management agencies that disseminate freeway travel	(9/9)	(9/9)
times, speeds, and conditions to travelers	100%	100%
6. Incident Management agencies that disseminate information	(7/9)	(7/9)
describing incident severity, location, and type to the public	78%	78%

Appendix A Survey Coverage Area

# NORTH JERSEY TRANSPORTATION PLANNING AUTHORITY, NJ



## NEW YORK METROPOLITAN TRANSPORTATION COUNCIL, NY



Appendix B Surveyed Agencies

#### **Surveyed Agencies**

Agency Name	Phone	Fax	199	99	19	97
			Out	In	Out	In
NEW YORK, NOF	RTHERN NEW JER	SEY, SOUTHWEST	TERN CONNE	CTICUT		
Arterial Management						
Warren County	(908) 475-6545	(908) 475-6566	7/29/1999	8/16/1999	9/16/1997	10/14/1997
New Jersey Highway Authority(NJ)	(732) 442-8600	(732) 293-1106	7/29/1999	10/12/1999	9/15/1997	10/7/1997
New York State DOT-Hudson Valley Region 8	(914) 949-2162	(914) 949-3533	7/29/1999	10/13/1999	9/16/1997	10/1/1997
New York City DOT for Queens County	718-786-8853	(212) 442-7790	7/29/1999	10/19/1999	9/24/1997	
New York City DOT	(718) 786-2008	(718) 937-6807	7/29/1999	10/13/1999	9/16/1997	9/25/1997
New Jersey Department of Transportation(NJ)	(973) 770-5115	(973) 770-5066	7/29/1999	10/25/1999	12/10/1997	12/31/1997
Nassau County	(516) 571-4134	(516) 571-6623	7/29/1999	9/3/1999	9/22/1997	10/17/1997
Jersey City(NJ)	(201) 547-4470	(201) 547-4803	7/29/1999	10/19/1999	9/15/1997	10/7/1997
New York State DOT-Long Island Region 10	(518) 457-1232	(518) 457-1960	11/9/1999	11/9/1999	12/10/1997	12/31/1997
Smithtown Town	(516) 360-7635	(516) 360-7510	7/29/1999	9/20/1999	9/17/1997	9/29/1997
Irvington Township(NJ)	(973) 299-7970	(973) 334-5588	7/29/1999		9/16/1997	
Brookhaven Town	(516) 451-6480	(516) 451-6256	7/29/1999		9/16/1997	
Clarkstown Town	(914) 623-7500	(914) 624-7585	7/29/1999		9/16/1997	
Fairfield Town(CT)	(203) 256-3015	(203) 256-3080	7/29/1999	8/5/1999	9/16/1997	9/22/1997
Greenburgh Town	914-682-5340	914-682-5342	7/29/1999	9/7/1999	9/16/1997	10/2/1997
Greenwich Town(CT)	(203) 622-7731	(203) 622-7831	7/29/1999	10/12/1999	9/16/1997	
Huntington Town	(516) 351-3053	(516) 351-3066	7/29/1999		9/16/1997	
Sussex County(NJ)	(973) 579-0430	(973) 579-0444	7/29/1999		9/16/1997	
Ramapo Town(NJ)	(914) 357-6907	(914) 357-8197	7/29/1999	9/27/1999	9/22/1997	
Babylon Town	(516) 957-3105	(516) 957-3115	7/29/1999	10/25/1999	9/15/1997	10/7/1997
Union Township(NJ)	(908) 851-5029	(908) 851-5442	7/29/1999		9/16/1997	
Westchester County	(914) 285-4084	(914) 285-4479	7/29/1999	9/13/1999	9/16/1997	
Hudson County(NJ)	(201) 915-1360	(201) 433-9590	7/29/1999	10/19/1999		
Islip Town	(516) 224-5610	(516) 224-5243	7/29/1999		9/16/1997	
Patterson City(NJ)	973-881-3999	973-881-7924	7/29/1999		9/22/1997	9/24/1997
Somerset County	(908) 231-7024	(908) 231-7170	7/29/1999	8/13/1999	9/16/1997	
Bayonne City(NJ)	(201) 858-6070	(201) 858-6039	7/29/1999	11/16/1999	10/6/1997	10/14/1997
Bridgeport City(CT)	(203) 576-7142	(203) 576-8330	7/29/1999	8/27/1999	9/17/1997	
Clifton City(NJ)	(973) 470-5893	(973) 470-5806	7/29/1999	8/6/1999	9/22/1997	9/26/1997
East Orange City(NJ)	(973) 266-5330	(973) 266-5367	7/29/1999	10/12/1999	9/16/1997	
Elizabeth City(NJ)	(908) 558-2088	(908) 527-6588	7/29/1999	10/21/1999	9/16/1997	10/10/1997
Mount Vernon City	914-665-2541	914-665-2477	7/29/1999	10/27/1999	9/16/1997	10/9/1997

Agency Name	Phone	Fax	199	99	19	97
			Out	In	Out	In
New Rochelle City	(914) 235-3859	(914) 235-3592	7/29/1999	10/13/1999	9/16/1997	
Newark City(NJ)	(973) 733-3969	(973) 733-4772	7/29/1999	10/26/1999	9/22/1997	9/26/1997
Norwalk City(CT)	(203) 854-7791	203-857-0143	7/29/1999	10/12/1999	9/22/1997	9/29/1997
Passaic City(NJ)	(973) 365-5500	(973) 472-2639	7/29/1999		9/16/1997	
Stamford City(CT)	203-977-5675	203-977-4004	7/29/1999	11/18/1999	9/24/1997	10/6/1997
Union City - New Jersey	(201) 348-5771	(201) 348-5728	7/29/1999	10/27/1999	9/16/1997	
Yonkers City Traffic Engineering Division	(914) 377-6739	(914) 964-5438	7/29/1999		9/16/1997	
Ocean County(NJ)	(732) 929-2130	(732) 506-5182	7/29/1999	10/19/1999	9/16/1997	
Hunterdon County	(908) 788-1229	(908) 788-1231	7/29/1999	8/9/1999	9/22/1997	9/29/1997
Monmouth County(NJ)	(732) 431-7760	(732) 431-7765	7/29/1999		9/16/1997	
Essex County(NJ)	(973) 226-8500	(973) 226-7469	7/29/1999		9/22/1997	9/29/1997
Connecticut Department of Transportation(CT)	(860) 594-2636	(860) 594-2655	7/29/1999	10/13/1999	9/16/1997	11/13/1997
Middlesex County(NJ)	(732) 745-3283	(732) 937-4585	7/29/1999	10/12/1999	9/16/1997	10/14/1997
Bergen County(NJ)	(201) 646-2865	(201) 646-3584	7/29/1999	11/17/1999	9/16/1997	
Electronic Toll Collection	'					
Port Authority of NY and NJ/Goethals Bridge	(212) 435-5141	(212) 435-5502	6/30/1999	8/30/1999	9/15/1997	
Port Authority of NY and NJ/Outerbridge	(212) 435-5141	(212) 435-5502	6/30/1999	8/30/1999	9/15/1997	
MTA Bridges & Tunnels/Henry Hudson Bridge	(212) 468-8484	(212) 468-8475	6/30/1999	8/17/1999	9/15/1997	10/14/1997
Port Authority of NY and NJ/George Washington	(212) 435-5141	(212) 435-5502	6/30/1999	8/30/1999	9/15/1997	
Port Authority of NY and NJ/Holland Tunnel	(212) 435-5141	(212) 435-5502	6/30/1999	8/30/1999	9/15/1997	
New York State Thruway Authority	518-436-2805	518-436-2968	8/18/1999	9/8/1999	9/15/1997	2/28/1998
Port Authority of NY and NJ/Bayone Bridge	(212) 435-5141	(212) 435-5502	6/30/1999	8/30/1999	9/15/1997	
MTA Bridges & Tunnels/Throgs Neck Bridge (I-	(212) 468-8484	(212) 468-8475	6/30/1999	8/17/1999	9/15/1997	10/14/1997
MTA Bridges & Tunnels/Marine Parkway Bridge	(212) 468-8484	(212) 468-8475	6/30/1999	8/17/1999	9/15/1997	10/14/1997
New Jersey Highway Authority(NJ)	(732) 442-8600	(732) 293-1106	6/30/1999	7/8/1999	9/15/1997	10/7/1997
MTA Bridges & Tunnels/Cross Bay Bridge	(212) 468-8484	(212) 468-8475	6/30/1999	8/17/1999	9/15/1997	10/14/1997
MTA Bridges & Tunnels/Brooklyn Battery Tunnel	(212) 468-8484	(212) 468-8475	6/30/1999	8/17/1999	9/15/1997	10/14/1997
MTA Bridges & Tunnels/Queens Midtown	(212) 468-8484	(212) 468-8475	6/30/1999	8/17/1999	9/15/1997	10/14/1997
MTA Bridges & Tunnels/Verrazano-Narrows	(212) 468-8484	(212) 468-8475	6/30/1999	8/17/1999	9/15/1997	10/14/1997
Port Authority of NY and NJ/Lincoln Tunnel	(212) 435-5141	(212) 435-5502	6/30/1999	8/30/1999	9/15/1997	
MTA Bridges & Tunnels/Bronx-Whitestone	(212) 468-8484	(212) 468-8475	6/30/1999	8/17/1999	9/15/1997	10/14/1997
MTA Bridges & Tunnels/Triborouth Bridge (I-	(212) 468-8484	(212) 468-8475	6/30/1999	8/17/1999	9/15/1997	10/14/1997
New Jersey Turnpike Authority(NJ)	(732) 247-0900	(732) 247-1434	6/30/1999	7/1/1999	9/15/1997	9/24/1997
Emergency Management				'		
Amityville Fire District	(516) 957-3105	(516) 957-3115	6/24/1999	7/2/1999		
Amityville Fire District Emergency Medical	(516) 957-3105	(516) 957-3115	6/24/1999	7/2/1999		

Agency Name	Phone	Fax	199	9	199	)7
			Out	In	Out	In
Babylon Fire District	(516) 957-3105	(516) 957-3115	6/24/1999	7/2/1999	9/17/1997	10/6/1997
Babylon Fire District Emergency Medical	(516) 957-3105	(516) 957-3115	6/24/1999	7/2/1999	9/17/1997	10/6/1997
Babylon Town Fire Marsha & Hazardous	(516) 957-3105	(516) 957-3115	6/24/1999	7/2/1999	9/17/1997	10/6/1997
Bayonne City Fire Department(NJ)	(201) 856-6008	(201) 858-6039	6/24/1999	9/2/1999	7/24/1998	7/24/1998
Bergen County Emergency Medical	(201) 646-2865	(201) 646-3584	6/24/1999		9/16/1997	
Bridgeport City Emergency Medical	(203) 576-8376	(203) 576-7154	6/24/1999	7/6/1999	9/17/1997	10/6/1997
Bridgeport City Fire Department(CT)	(203) 576-8376	(203) 576-7154	6/24/1999	7/6/1999	9/17/1997	10/6/1997
Bridgeport City Police Department(CT)	(203) 576-8376	(203) 576-7154	6/24/1999	7/6/1999	9/17/1997	10/6/1997
Clifton City Emergency Response (Other)(NJ)	(973) 470-5893	(973) 470-5806	6/24/1999		9/22/1997	9/26/1997
Clifton City Fire Department (EMS)(NJ)	973-470-5801	973-470-5844	6/24/1999	6/25/1999	9/22/1997	9/26/1997
Clifton City Fire Department(NJ)	973-470-5803	973-470-5844	6/24/1999	6/25/1999	9/22/1997	9/26/1997
Clifton City Police Department(NJ)	(973) 470-5893	(973) 470-5806	6/24/1999		9/22/1997	9/26/1997
Copiague Fire District	(516) 957-3105	(516) 957-3115	6/24/1999	7/2/1999		
Copiague Fire District Emergency Medical	(516) 957-3105	(516) 957-3115	6/24/1999	7/2/1999		
Deer Park Fire District	(516) 957-3105	(516) 957-3115	6/24/1999	7/2/1999		
Deer Park Fire District Emergency Medical	(516) 957-3105	(516) 957-3115	6/24/1999	7/2/1999		
East Farmingdale Fire District	(516) 957-3105	(516) 957-3115	6/24/1999	7/2/1999		
East Farmingdale Fire District Emergency	(516) 957-3105	(516) 957-3115	6/24/1999	7/2/1999		
Elizabeth City Emergency Medical Services(NJ)	(908) 558-2088	(908) 527-6588	6/24/1999	8/12/1999	9/17/1997	10/6/1997
Elizabeth City Fire Department(NJ)	(908) 820-2806	908-994-0991	6/24/1999	8/3/1999	9/17/1997	10/6/1997
Elizabeth City Police Department(NJ)	(908) 558-2088	(908) 527-6588	6/24/1999	8/12/1999	9/17/1997	10/6/1997
Greenburgh Town Emergency Medical Services	914-682-5340	914-682-5342	6/24/1999	7/13/1999	9/16/1997	10/2/1997
Greenburgh Town Police Department	914-682-5340	914-682-5342	6/24/1999	7/13/1999	9/16/1997	10/2/1997
Islip City Fire Department	(516) 581-5656	(516) 581-2534	6/24/1999	8/11/1999	7/23/1998	7/23/1998
Islip City Police Department	(516) 224-5656	(516) 224-5672	6/24/1999		7/24/1998	7/24/1998
Jersey City Emergency Medical Services(NJ)	(201) 547-4470	(201) 547-4803	6/24/1999		9/17/1997	10/7/1997
King County Sheriff	(212) 247-6188	(212) 397-0370	6/24/1999	8/30/1999	7/16/1998	7/16/1998
Lindenhurst Fire District Emergency Medical(NJ)	(516) 957-3105	(516) 957-3115	6/24/1999	7/2/1999		
Lindenhurst Fire District(NJ)	(516) 957-3105	(516) 957-3115	6/24/1999	7/2/1999		
Monmouth County Sheriff(NJ)	(732) 308-2977	(732) 294-5965	6/24/1999	6/25/1999	7/24/1998	7/24/1998
Morris County Sheriff Department(NJ)	(973) 285-6600	(973) 285-6842	6/24/1999		7/24/1998	7/24/1998
Mount Vernon City Emergency Medical Services	(914) 665-2612	(914) 665-2630	7/8/1999	8/12/1999		
Mount Vernon City Fire Department	(914) 665-2612	(914) 665-2630	7/8/1999	8/12/1999		
Mount Vernon City Police Department	914-665-2300	914-665-2496	7/8/1999	9/17/1999		
New Jersey Highway Authority(NJ)	(732) 442-8600	(732) 293-1106	6/24/1999	8/17/1999		
New Rochelle Fire Department	(914) 654-2211	914-632-2907	6/24/1999	6/28/1999	7/24/1998	7/24/1998

Agency Name	Phone	Fax	199	99	199	97
			Out	In	Out	In
New York County Sheriff	(212) 247-6188	(212) 397-0370	6/24/1999	8/30/1999	7/16/1998	7/16/1998
Newark City Fire Department(NJ)	973-733-3660	973-733-3662	8/11/1999		9/22/1997	9/26/1997
North Amityville Fire District	(516) 957-3105	(516) 957-3115	6/24/1999	7/2/1999		
North Amityville Fire District Emergency Medical	(516) 957-3105	(516) 957-3115	6/24/1999	7/2/1999		
North Babylon Fire District	(516) 957-3105	(516) 957-3115	6/24/1999	7/2/1999		
North Babylon Fire District Emergency Medical	(516) 957-3105	(516) 957-3115	6/24/1999	7/2/1999		
North Lindenhurst Fire District Emergency	(516) 957-3105	(516) 957-3115	6/24/1999	7/2/1999		
North Lindenhurst Fire District(NJ)	(516) 957-3105	(516) 957-3115	6/24/1999	7/2/1999		
Norwalk City Fire Department(CT)	203-866-3312	203-857-4411	6/24/1999	8/27/1999	9/16/1997	9/29/1997
Norwalk City Police Department(CT)	203-000-0000	203-857-0143	6/24/1999		9/16/1997	9/29/1997
Queens County Sheriff	(212) 247-6188	(212) 397-0370	6/24/1999	8/30/1999	7/15/1998	7/15/1998
Richmond County Sheriff	(212) 247-6188	(212) 397-0370	6/24/1999	8/30/1999	7/16/1998	7/16/1998
Smithtown Town Emergency Medical Services	(516) 360-7635	(516) 360-7510	6/24/1999		9/16/1997	9/29/1997
Smithtown Town Fire Department	(516) 360-7635	(516) 360-7510	6/24/1999		9/16/1997	9/29/1997
Suffolk County Emergency Medical Services	(516) 852-4165	(516) 852-4150	6/24/1999	7/13/1999	9/16/1997	12/23/1997
Suffolk County Fire Department	(516) 852-4165	(516) 852-4150	6/24/1999	7/13/1999	9/16/1997	12/23/1997
Sussex County Sheriff	(973) 579-0850	(973) 579-7884	6/24/1999	6/25/1999	7/24/1998	7/24/1998
West Babylon Fire District	(516) 957-3105	(516) 957-3115	6/24/1999	7/2/1999		
West Babylon Fire District Emergency Medical	(516) 957-3105	(516) 957-3115	6/24/1999	7/2/1999		
Wyandanch Fire District	(516) 957-3105	(516) 957-3115	6/24/1999	7/2/1999		
Wyandanch-Wheatley Heights Ambulance	(516) 957-3105	(516) 957-3115	6/24/1999	7/2/1999		
Yonkers Fire Department	(914) 377-7500	(914) 377-7560	6/25/1999	6/28/1999	7/23/1998	7/23/1998
Freeway Management				'	'	
Connecticut Department of Transportation(CT)	(860) 594-2636	(860) 594-2655	7/29/1999	10/10/1999	9/15/1997	11/13/1997
New York State DOT-Long Island Region 10	(518) 457-1232	(518) 457-1960	11/9/1999	11/9/1999	12/10/1997	12/31/1997
New York City DOT	(212) 442-7090	(212) 442-7125	7/29/1999		9/15/1997	12/31/1997
New Jersey Highway Authority(NJ)	(732) 442-8600	(732) 293-1106	7/29/1999	10/10/1999	9/15/1997	10/7/1997
Palisades Interstate Park Commission	(201) 768-1360	(201) 767-3842	7/29/1999	10/4/1999	9/15/1997	10/2/1997
New Jersey Turnpike Authority(NJ)	(732) 247-0900	(732) 247-1434	7/29/1999	8/9/1999	9/15/1997	9/24/1997
Transcom	(201) 963-4033	(201) 963-7488	7/29/1999	10/15/1999		
Port Authority of New York and New Jersey	(212) 435-5141	(212) 435-5502	7/29/1999		9/15/1997	11/13/1997
New York State DOT-Hudson Valley Region 8	(914) 949-2162	(914) 949-3533	7/29/1999	9/17/1999	12/10/1997	12/31/1997
New York State Thruway Authority	(518) 436-2816	(518) 436-2968	9/8/1999	12/9/1999	9/15/1997	12/31/1997
New Jersey Department of Transportation(NJ)	(973) 770-5115	(973) 770-5066	7/29/1999	8/23/1999	9/15/1997	9/27/1997
MPO		<del>.</del>			,	
South Western Regional Planning Agency(NJ)	(203) 866-5543	(203) 866-6502	7/15/1999	9/27/1999		

Agency Name	Phone	Fax	199	99	199	97
			Out	In	Out	In
North Jersey Transportation Planning Authority	(973) 639-8400	(973) 639-1953	7/15/1999	9/29/1999		
Greater Bridgeport Regional Planning	(203) 366-5405	(203) 366-8437	7/15/1999	8/2/1999		
New York Metropolitan Transportation Council	(212) 938-3355	(212) 938-3295	7/15/1999			
Transit Management						
Suffolk County	(631) 852-4880	(631) 852-4873	8/9/1999	12/15/1999	9/18/1997	9/26/1997
Suburban Transit Corporation(NJ)	(732) 249-1100	(732) 249-6527	8/9/1999		10/6/1997	
Staten Island Rapid Transit	718-876-8238	718-876-8258	11/22/1999		9/18/1997	10/7/1997
Village of Spring Valley Bus	(914) 573-5800	(914) 352-1164	8/9/1999		9/18/1997	
Westchester County	(914) 285-5259	(914) 682-2987	8/9/1999	9/27/1999	9/18/1997	10/6/1997
Green Bus Lines	(718) 995-4700	(718) 995-4712	8/9/1999	11/22/1999	10/16/1997	11/19/1997
Queens Surface Corporation	(718) 445-3500	(718) 445-3992	8/9/1999		10/6/1997	10/10/1997
Norwalk Transit District/Westport Transit	(203) 853-3338	(203) 853-6761	8/9/1999	8/9/1999 8/23/1999 9/18/1997		9/29/1997
New York City Transit Authority	(718) 330-4321	(718) 596-2146	8/9/1999	9/13/1999	9/18/1997	10/7/1997
New York City DOT	(212) 442-7738	(212) 442-7348	8/9/1999		9/18/1997	10/14/1997
New York Bus Service	(718) 994-5500	(718) 994-6927	8/9/1999		10/6/1997	
Rockland Coaches Incorporated	(201) 384-2400	(201) 384-2765	8/9/1999		9/18/1997	9/22/1997
Clarkstown Mini-Trans	(914) 639-2050	(914) 634-5456	8/9/1999	9/7/1999	7/2/1997	9/18/1997
Academy Lines Incorporated(NJ)	(201) 420-7000	(201) 420-6051	8/9/1999		9/18/1997	
Putnam County Transit	(914) 878-3480	(914) 878-6721	8/9/1999	11/23/1999	9/18/1997	9/22/1997
Stamford Dial-A-Ride(CT)	(203) 977-4049	(203) 977-4759	8/9/1999	10/1/1999	9/18/1997	
New Jersey Transit Corporation(NJ)	(973) 491-7861	(973) 491-7837	8/9/1999	10/5/1999	7/2/1997	9/18/1997
Command Bus Company	(718) 277-8100	(718) 277-8210	8/9/1999	10/7/1999	10/6/1997	10/7/1997
Connecticut Department of Transportation(CT)	(860) 594-2802	(860) 594-3406	8/9/1999		9/15/1997	
Connecticut Transit-Stamford(CT)	(860) 522-8101	(860) 247-1810	8/9/1999	8/20/1999	9/17/1997	9/23/1997
Hudson Transit Lines Incorporated(NJ)	(201) 529-3666	(201) 529-0221	8/9/1999		9/18/1997	1/21/1998
Jamaica Buses	(718) 526-0800	(718) 739-3361	8/9/1999	8/26/1999	10/6/1997	10/8/1997
Liberty Lines Express, Incorporation	(914) 376-6318	(914) 376-6373	8/9/1999		10/6/1997	10/16/1997
Metro-North Railroad MTA	(212) 340-2677	(212) 340-4995	8/9/1999	11/24/1999	9/18/1997	9/29/1997
MTA Long Island Bus	(516) 542-0100	(516) 542-1428	8/9/1999	9/14/1999	9/18/1997	
Monsey New Square Trails(NJ)	(914) 354-7026	(914) 354-9454	8/9/1999		9/18/1997	
Huntington Area Rapid Transit (HART)	631-427-8822	631-427-2421	8/9/1999	8/20/1999	9/18/1997	
Long Beach City	(516) 431-1000	(516) 431-1389	8/9/1999	9/16/1999	9/18/1997	9/22/1997

Appendix C Freeway Management Components

		Department of tation(CT)	New Jersey E Transport	•		ey Highway rity(NJ)		ey Turnpike rity(NJ)
	1999	2005	1999	2005	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes		Yes		Yes	
FREEWAY MANAGEMENT SECTION								
Number of freeway centerline miles that agency owns or maintains	NR		306		1,070		61	
Number of freeway centerline miles that is used for planning	NR		306		NR		61	
Number of freeway entrance ramps that agency owns, operates or maintains	NR		NR		NR		55	
Number of freeway entrance ramps that is used for planning	NR		NR		NR		55	
Type of facilities used to conduct freeway/incident management activities								
Activities housed in a free-standing dedicated building?	No		Yes		No		No	
Activities housed in a building shared with other activities?	No		Yes		No		Yes	
Activities conducted in a dedicated control room?	No		Yes		Yes		Yes	
Control room contains operator console(s)?	No		No		No		No	
Control room contains electronic wall map?	No		No		No		No	
Control room contains CCTV display(s)?	No		No		No		No	
Activities conducted in a room containing workstations or PCs that manage traffic?	No		Yes		No		Yes	
Facilities are electronically linked to other transportation mgt facilities?	No		No		No		Yes	
Staffing and hours of operation of freeway/incident management activities								
Number of full-time agency staff members	NR	N/A	25	N/A	12	N/A	23	N/A
Number of full time contractor staff members	NR	N/A	NR	N/A	NR	N/A	0	N/A
Number of part-time agency staff members	NR	N/A	NR	N/A	NR	N/A	NR	N/A
Number of part-time contractor staff members	NR	N/A	NR	N/A	NR	N/A	NR	N/A
Staffed 24 hours day by agency staff or by others	NR	N/A	NR	N/A	agency	N/A	agency	N/A
Staffed during peak hours only by agency staff or by others	NR	N/A	agency	N/A	NR	N/A	NR	N/A
Staffed by others during off-peak hours	No	N/A	No	N/A	No	N/A	No	N/A
Agency staff perform transportation management as an ancillary duty	No	N/A	No	N/A	No	N/A	No	N/A
Agency staff dedicated to transportation management duty	No	N/A	No	N/A	No	N/A	No	N/A
Types of operations conducted for freeway/incident management								
Incident detection and management?	No	N/A	Yes	N/A	No	N/A	Yes	N/A
This metropolitan area?	No	N/A	Yes	N/A	No	N/A	No	N/A
Other metropolitan area?	No	N/A	Yes	N/A	No	N/A	No	N/A
Statewide?	No	N/A	Yes	N/A	No	N/A	Yes	N/A
Monitoring and troubleshooting status of system components?	No	N/A	Yes	N/A	No	N/A	Yes	N/A
Manual override of ramp metering rates at freeway on-ramps?	No	N/A	No	N/A	No	N/A	No	N/A
Operating transportation management roadside devices?	No	N/A	Yes	N/A	Yes	N/A	Yes	N/A
Radio communications with other agencies?	No	N/A	No	N/A	No	N/A	No	N/A
Exchange of electronic data with other agencies such as computer aided dispatch?	No	N/A	No	N/A	Yes	N/A	Yes	N/A
Real-Time Traffic Data Collection Technologies								

		Department of tation(CT)		Department of tation(NJ)		ey Highway rity(NJ)		y Turnpike rity(NJ)
	1999	2005	1999	2005	1999	2005	1999	2005
Total number of miles under surveillance with real-time data collection tech.	35	40	70	120	12	60	NR	NR
Number of Stations with data collection technologies								
Loop detectors	0	0	0	0	0	0	861	NR
Video imaging detectors	0	0	0	0	0	0	92	NR
Probe readers (elec. toll tags, transit vehicles, other technology)	0	0	5	35	1	16	0	0
	0	0	300	300	0	0	12	NR
Microwave radar Other (a.g., geografia detectors)	0	0	0	0	0	0	0	0
Other (e.g., acoustic detectors)	U	U	U	U	0	U	U	U
Number of Miles covered with data collection technologies				,			NID	ND
Loop detectors	0	0	0	0	0	0	NR	NR
Video imaging detectors	0	0	0	0	0	0	NR	NR
Probe readers (elec. toll tags, transit vehicles, other technology)	0	0	4	70	12	60	0	0
Microwave radar	0	0	70	70	0	0	NR	NR
Other (e.g., acoustic detectors)	0	0	0	0	0	0	0	0
Variable Message Signs (VMS) on Freeways								
Candidate locations for deployment of VMS where VMS has been deployed	23	25	34	60	38	45	11	NR
Candidate locations for deployment of VMS	0	0	34	60	NR	NR	12	NR
Roadside Technologies used to Distribute Traveler Information								
Total number of miles where information is distributed	70	70	70	140	NR	NR	NR	NR
Number deployed								
Highway advisory radio	NR	NR	7	14	0	0	NR	13
In-vehicle signing	0	0	0	0	0	0	0	0
Portable variable message signs	0	0	33	50	0	0	4	2
Other	0	0	0	0	0	0	0	0
Miles covered								
Highway advisory radio	70	70	70	140	0	0	NR	NR
In-vehicle signing	0	0	0	0	0	0	0	0
Portable variable message signs	0	0	NR	NR	0	0	NR	NR
Other	0	0	0	0	0	0	0	0
Ramp Meters on Freeways								
Number of entrance ramp meters operated under isolated control	NR	NR	NR	NR	NR	NR	NR	NR
Number of entrance ramp meters operated under central control	NR	NR	NR	NR	NR	NR	NR	NR
Number of entrance ramp meters that provide preemption for emergency vehicles	NR	NR	NR	NR	NR	NR	NR	NR
Number of entrance ramp meters that provide priority for transit vehicles	NR	NR	NR	NR	NR	NR	NR	NR
Total number of metered ramps	0	0	NR	NR	NR	NR	NR	NR
Freeway centerline miles under lane control	0	0	NR	NR	NR	NR	NR	NR
Communication Links								
Freeway centerline miles covered by the following type of communication								
Twisted pair cable	0	0	0	0	0	0	0	0
Coaxial cable	0	0	0	0	0	0	0	0
Fiber-optic cable	0	0	70	70	0	0	0	122
Microwave radio	0	0	0	0	0	0	122	NR

		Department of tation(CT)		Department of tation(NJ)		ey Highway rity(NJ)		ey Turnpike rity(NJ)
	1999	2005	1999	2005	1999	2005	1999	2005
Other	0	0	0	0	0	0	0	0
ITS Standards Used Related to Freeway Management								
ATMS Data Dictionary Sections 1 and 2 (ITE TM 1.01)	No		Yes		No		No	
ATMS Data Dictionary Sections 3 and 4 (ITE TM 1.02)	No		Yes		No		No	
Message Set for External TMC Communication (ITE-9604-1)	No		Yes		No		No	
NTCIP Class B Profile (AASHTO TS 3.3)	No		Yes		No		No	
NTCIP Data Collection and Monitoring Devices (AASHTO TS 3.DCM)	No		Yes		No		No	
NTCIP Object Definitions for Environmental Sensor Stations (AASHTO TS 3.7)	No		Yes		No		No	
NTICP Object Definitions for Dynamic Message Signs (AASHTO TS 3.6)	No		Yes		No		No	
NTICP Object Definitions for Highway Advisory Radio (AASHTO TS 3.HAR)	No		Yes		No		No	
NTICP Object Definitions for Ramp Meter Control (AASHTO TS 3.RMC)	No		No		No		No	
NTICP Object Definitions for Transportation Sensor Systems (AASHTO TS 3.TSS)	No		Yes		No		No	
NTICP Object Definitions for Video Camera Control (AASHTO TS 3.VCC)	No		Yes		No		No	
Would agency be willing to participate in testing of ITS Standards?	NR		Yes		Yes		No	
Have agreements in place with other agencies to use similar hardware								
and software to aid maintenance and interoperability?	NR		No		No		No	
INCIDENT MANAGEMENT SECTION								
Use of Service Patrols to Assist in Detection and Response to Incidents								
Publicly operated service patrol vehicles	Yes		Yes		No		No	
Privately operated service patrol vehicles operated under public contract	No		No		No		No	
Total number of freeway miles patrolled by these services	40	40	90	120	NR	NR	44	44
Miles Covered by Methods to Detect and Verify Incidents								
Free cellular phone call to a dedicated phone number other than 911	NR	NR	NR	NR	NR	NR	122	122
Police patrols	NR	NR	306	306	NR	NR	122	122
Computer algorithms linked to traffic surveillance equipment	35	40	70	140	NR	NR	44	44
CCTV	35	40	70	140	NR	NR	8	8
Private sector sources (e.g., Shadow Traffic, SmartRoutes)	NR	NR	NR	NR	NR	NR	122	122
Other (e.g., free cell phone call to an area radio system, etc.)	NR	NR	NR	NR	NR	NR	NR	NR
Procedures in place for Freeway Incident Response?								<u> </u>
Working agreement(s)/arrangement(s) with other agencies	No		Yes		No		Yes	
Inter-agency incident management admin. team that meets regularly	No		Yes		No		Yes	
Major incident response team that responds to major incidents	No		Yes		No		Yes	
Set of goals/objectives for incident mgt that has been adopted by agencies in region	No		No		No		No	
Central focal point for facilitating the two-way flow of information					-			
among agencies responding to an incident?								
The central focal point is a Freeway or Traffic Management Center	No		Yes		No		Yes	
The central focal point is a Police, Fire or joint dispatch center	No		No		No		No	
The central focal point is a Police, the or joint dispatch center  The central focal point is another center	No		No		No		No	
· · · · · · · · · · · · · · · · · · ·	INU		INU		INU		INU	
Methods of Communication Used On-Site at an Incident								<del>                                     </del>
<u>Police</u>								<u> </u>

		Department of rtation(CT)		Department of rtation(NJ)		ey Highway prity(NJ)		ey Turnpike rity(NJ)
	1999	2005	1999	2005	1999	2005	1999	2005
Two-way radio	No		Yes		No		Yes	
800 MHz trunked radio	No		Yes		No		Yes	
Cellular telephone	No		Yes		No		No	
Hand-held (i.e., walkie-talkie)	No		Yes		No		Yes	
Automated data systems (i.e., CAD)	No		No		No		No	
Fire								
Two-way radio	No		No		No		Yes	
800 MHz trunked radio	No		No		No		No	
Cellular telephone	No		No		No		No	
Hand-held (i.e., walkie-talkie)	No		No		No		No	
Automated data systems (i.e., CAD)	No		No		No		No	
	INO		INO		INO		INO	
<u>DOT</u>			.,				<b>.</b>	
Two-way radio	No		Yes		No		Yes	
800 MHz trunked radio	No		Yes		No		No	
Cellular telephone	No		Yes		No		Yes	
Hand-held (i.e., walkie-talkie)	No		Yes		No		No	
Automated data systems (i.e., CAD)	No		No		No		No	
<u>Towing</u>								
Two-way radio	No		No		No		Yes	
800 MHz trunked radio	No		No		No		No	
Cellular telephone	No		No		No		Yes	
Hand-held (i.e., walkie-talkie)	No		No		No		No	
Automated data systems (i.e., CAD)	No		No		No		No	
Which police agencies typically respond to incidents on freeways?								
State Police	No		Yes		No		Yes	
County Police or Sheriff	No		No		No		No	
City Police	No		No		No		No	
Who provides on-site emergency medical response?								
Fire	No		No		No		No	
Emergency Management Service Agency	No		Yes		No		No	
Private hospital	No		Yes		No		Yes	
Has a multi-agency contact list been developed in area containing the								
names, phone numbers, etc. for the appropriate response personnel?	NR		Yes		NR		Yes	
Is the Incident Command System used to manage incident scenes?	NR		Yes		NR		NR	
Is there a legal specification by state law or formal agreement as to who								
is "in charge" at the incident scene?								
Specified by state law?	No		No		No		Yes	
Formal agreement?	No		No		No		No	
Not specified or don't know?	No		Yes		No		No	
On-scene command post used to manage activities of responding agencies?	NR		Yes		NR		Yes	
Are there communication linkages to a communications traffic/freeway mgt center?	NR		Yes		NR		Yes	

	Connecticut Department of Northead Transportation(CT)		New Jersey E Transpor			ey Highway rity(NJ)		y Turnpike ity(NJ)
	1999	2005	1999	2005	1999	2005	1999	2005
Plan developed and adopted by responding agencies for staging and parking								
response vehicles and equip. at incident site that minimizes lane blockage								
and facilitates the re-opening of lanes?	NR		No		NR		Yes	
Respondents protected through law or court opinion for liability claims								
for damages to vehicles or cargoes during clearance activities?	NR		Yes		NR		DK	
Are overturned tank trucks, which are intact and not leaking, uprighted								
without first off-loading?	NR		Yes		NR		Yes	
Does your state or local jurisdiction have a law that requires drivers								
involved in property-damage-only accidents to move the vehicles								
from travel lanes to a safe location to exchange info and wait for police?	NR		Yes		NR		No	
Have laws or policies regarding the removal of stalled/abandoned vehicles								
from freeway shoulders?	NR		Yes		NR		Yes	
Hours abandoned vehicles are allowed to remain on a freeway shoulder?	NR		>36		NR		0-24	
Have policies or procedures for quick removal of vehicles?	NR		Yes		NR		Yes	
Is Total Station equipment used to investigate major incidents?	NR		Yes		NR		Yes	
Handling of Towing Responses to Incidents								
Formal contract based on qualifications?	No		Yes		No		Yes	
Rotation with companies under contract?	No		Yes		No		Yes	
Separate lists kept for light and heavy response and for specialty recovery?	NR		Yes		NR		Yes	
Rotation list with minimal qualifications?	No		No		No		No	
In towing qualifications, do you require towers to be certified under the								
Towing and Recovery Ass. of America's National Drivers Cert. Program?	NR		DK		NR		No	
								-
					•			
DK: Don't know								
NR: No Response								
Leg: Legislation or action being planned								

		State DOT- lley Region 8		ate DOT-Long legion 10		tate Thruway nority		terstate Park
	1999	2005	1999	2005	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes		Yes		Yes	
FREEWAY MANAGEMENT SECTION								
Number of freeway centerline miles that agency owns or maintains	9,574		NR		83		24	
Number of freeway centerline miles that is used for planning	9,574		NR		271		24	
Number of freeway entrance ramps that agency owns, operates or maintains	NR		350		224		8	
Number of freeway entrance ramps that is used for planning	NR		200		731		8	
Type of facilities used to conduct freeway/incident management activities								
Activities housed in a free-standing dedicated building?	No		No		No		No	
Activities housed in a building shared with other activities?	Yes		Yes		Yes		Yes	
Activities conducted in a dedicated control room?	No		Yes		Yes		No	
Control room contains operator console(s)?	No		No		Yes		No	
Control room contains electronic wall map?	No		No		No		No	
Control room contains CCTV display(s)?	No		No		Yes		No	
Activities conducted in a room containing workstations or PCs that manage traffic?	Yes		Yes		Yes		No	
Facilities are electronically linked to other transportation mgt facilities?	No		No		Yes		No	
Staffing and hours of operation of freeway/incident management activities								
Number of full-time agency staff members	4	N/A	3	N/A	NR		1	
Number of full time contractor staff members	0	N/A	NR	N/A	NR		NR	
Number of part-time agency staff members	0	N/A	NR	N/A	NR		NR	
Number of part-time contractor staff members	0	N/A	NR	N/A	NR		NR	
Staffed 24 hours day by agency staff or by others	NR	N/A	others	N/A	agency		agency	
Staffed during peak hours only by agency staff or by others	NR	N/A	NR	N/A	NR		NR	
Staffed by others during off-peak hours	No	N/A	No	N/A	No		No	
Agency staff perform transportation management as an ancillary duty	Yes	N/A	No	N/A	No		No	
Agency staff dedicated to transportation management duty	Yes	N/A	Yes	N/A	Yes		No	
Types of operations conducted for freeway/incident management								
Incident detection and management?	Yes	N/A	Yes	N/A	Yes		No	
This metropolitan area?	Yes	N/A	Yes	N/A	Yes		No	
Other metropolitan area?	No	N/A	No	N/A	Yes		No	
Statewide?	No	N/A	No	N/A	No		No	
Monitoring and troubleshooting status of system components?	Yes	N/A	Yes	N/A	Yes		No	
Manual override of ramp metering rates at freeway on-ramps?	No	N/A	Yes	N/A	No		No	
Operating transportation management roadside devices?	Yes	N/A	Yes	N/A	Yes		No	
Radio communications with other agencies?	Yes	N/A	No	N/A	Yes		Yes	
Exchange of electronic data with other agencies such as computer aided dispatch?	No	N/A	No	N/A	Yes		No	
Real-Time Traffic Data Collection Technologies								

		State DOT- lley Region 8		ate DOT-Long Region 10		tate Thruway nority		iterstate Park
	1999	2005	1999	2005	1999	2005	1999	2005
Total number of miles under surveillance with real-time data collection tech.	0	100	150	195	23	36	NR	NR
Number of Stations with data collection technologies								
Loop detectors	0	100	2.600	2.600	37	82	0	0
Video imaging detectors	0	0	30	NR	15	42	0	0
Probe readers (elec. toll tags, transit vehicles, other technology)	0	35	0	0	15	33	0	0
	0	0	0	0	0	0	0	0
Microwave radar	0	0	0	0	0	0	0	0
Other (e.g., acoustic detectors)  Number of Miles covered with data collection technologies	0	0	U	U	U	U	U	<del></del>
		100	120	420	ND	NR	0	0
Loop detectors	0	100	130	130	NR		·	_
Video imaging detectors	0	0	20	NR 0	NR	NR	0	0
Probe readers (elec. toll tags, transit vehicles, other technology)  Microwave radar	0	60	0	0	NR 0	NR 0	0	0
	0	0	0	0	0	0	0	0
Other (e.g., acoustic detectors)  Variable Message Signs (VMS) on Freeways	U	U	U	U	U	U	U	
Candidate locations for deployment of VMS where VMS has been deployed	NR	75	150	185	6	29	NR	NR
Candidate locations for deployment of VMS where VMS has been deployed Candidate locations for deployment of VMS	NR NR	97	NR	NR	15	67	NR NR	NR NR
1 ,	INK	97	INF	INK	15	67	INFC	INF
Roadside Technologies used to Distribute Traveler Information		100	45	00	ND	ND	0	12
Total number of miles where information is distributed	0	100	45	90	NR	NR	U	12
Number deployed		45	4	8	11	19	0	1
Highway advisory radio	5	15		0	11	0	-	·
In-vehicle signing	0	0 15	0	0	0 11	11	0	0
Portable variable message signs Other	0	0	0	0	0	0	0	0
	0	0	U	U	U	U	U	— ·
Miles covered		100	45	00	NR	NR	0	12
Highway advisory radio	0	100	45	90		0	0	
In-vehicle signing	0	0 NR	0	0	0 NR		, ,	0
Portable variable message signs	NR 0	0 0	0	0		NR	0	0
Other	0	0	U	0	0	0	0	0
Ramp Meters on Freeways	ND	NR	0	0	ND	NR	ND	ND
Number of entrance ramp meters operated under isolated control	NR NR	NR NR	77	NR	NR NR	NR NR	NR NR	NR NR
Number of entrance ramp meters operated under central control	NR NR	NR NR	0	NR NR	NR NR	NR	NR NR	NR NR
Number of entrance ramp meters that provide preemption for emergency vehicles	NR NR	NR NR	4	NR NR	NR NR	NR NR	NR NR	NR NR
Number of entrance ramp meters that provide priority for transit vehicles  Total number of metered ramps	NR NR	NR NR	81	NR NR	NR NR	NR NR	NR NR	NR NR
'					0	1	NR NR	NR NR
Freeway centerline miles under lane control  Communication Links	NR	NR	NR	NR	U		INIX	INIX
Freeway centerline miles covered by the following type of communication								<del></del>
Twisted pair cable	0	0	0	0	0	0	0	0
Coaxial cable	0	0	160	40	0	0	0	0
	0	0	40	160	4	12	0	0
Fiber-optic cable  Microwave radio	0	0	0	0	0	0	0	0

		State DOT- lley Region 8		ate DOT-Long Region 10		tate Thruway		terstate Park
	1999	2005	1999	2005	1999	2005	1999	2005
Other	0	0	0	0	0	0	0	0
ITS Standards Used Related to Freeway Management								
ATMS Data Dictionary Sections 1 and 2 (ITE TM 1.01)	No		No		No		No	
ATMS Data Dictionary Sections 3 and 4 (ITE TM 1.02)	No		No		No		No	
Message Set for External TMC Communication (ITE-9604-1)	No		No		Yes		No	
NTCIP Class B Profile (AASHTO TS 3.3)	No		No		Yes		No	
NTCIP Data Collection and Monitoring Devices (AASHTO TS 3.DCM)	No		No		Yes		No	
NTCIP Object Definitions for Environmental Sensor Stations (AASHTO TS 3.7)	No		No		No		No	
NTICP Object Definitions for Dynamic Message Signs (AASHTO TS 3.6)	Yes		No		Yes		No	
NTICP Object Definitions for Highway Advisory Radio (AASHTO TS 3.HAR)	No		No		Yes		No	
NTICP Object Definitions for Ramp Meter Control (AASHTO TS 3.RMC)	No		No		No		No	
NTICP Object Definitions for Transportation Sensor Systems (AASHTO TS 3.TSS)	No		No		Yes		No	
NTICP Object Definitions for Video Camera Control (AASHTO TS 3.VCC)	No		No		Yes		No	
Would agency be willing to participate in testing of ITS Standards?	Yes		Yes		Yes		NR	
Have agreements in place with other agencies to use similar hardware								
and software to aid maintenance and interoperability?	Yes		No		Yes		Yes	
INCIDENT MANAGEMENT SECTION								
Use of Service Patrols to Assist in Detection and Response to Incidents								
Publicly operated service patrol vehicles	No		No		No		No	
Privately operated service patrol vehicles operated under public contract	Yes		No		No		No	
Total number of freeway miles patrolled by these services	150	150	125	165	NR	NR	NR	NR
Miles Covered by Methods to Detect and Verify Incidents								
Free cellular phone call to a dedicated phone number other than 911	NR	NR	NR	NR	NR	NR	NR	NR
Police patrols	NR	NR	NR	NR	NR	NR	NR	NR
Computer algorithms linked to traffic surveillance equipment	NR	NR	150	190	NR	NR	NR	NR
CCTV	NR	NR	NR	NR	NR	NR	NR	NR
Private sector sources (e.g., Shadow Traffic, SmartRoutes)	NR	NR	NR	NR	NR	NR	NR	NR
Other (e.g., free cell phone call to an area radio system, etc.)	0	0	NR	NR	NR	NR	NR	NR
Procedures in place for Freeway Incident Response?								
Working agreement(s)/arrangement(s) with other agencies	Yes		Yes		No		No	
Inter-agency incident management admin. team that meets regularly	Yes		No		No		No	
Major incident response team that responds to major incidents	No		No		No		No	
Set of goals/objectives for incident mgt that has been adopted by agencies in region	No		No		No		No	
Central focal point for facilitating the two-way flow of information	110		110		110		110	
among agencies responding to an incident?								
The central focal point is a Freeway or Traffic Management Center	No		No		No		No	
i i	No		Yes		No		No	
The central focal point is a Police, Fire or joint dispatch center								
The central focal point is another center	No		No		No		No	
Methods of Communication Used On-Site at an Incident								<u> </u>
<u>Police</u>								<u> </u>

		State DOT- lley Region 8		ate DOT-Long Region 10		New York State Thruway Authority		nterstate Park
	1999	2005	1999	2005	1999	2005	1999	2005
Two-way radio	Yes		No		No		No	
800 MHz trunked radio	Yes		No		No		No	
Cellular telephone	Yes		No		No		No	
Hand-held (i.e., walkie-talkie)	Yes		No		No		No	
Automated data systems (i.e., CAD)	No		No		No		No	
Fire								
Two-way radio	Yes		No		No		No	
800 MHz trunked radio	No		No		No		No	
Cellular telephone	No		No		No		No	
Hand-held (i.e., walkie-talkie)	Yes		No		No		No	
Automated data systems (i.e., CAD)	Yes		No		No		No	
DOT	100		110		140		140	
	Voc		No		No		No	
Two-way radio	Yes						-	
800 MHz trunked radio	No		No		No		No	
Cellular telephone	Yes No		No No		No		No No	
Hand-held (i.e., walkie-talkie) Automated data systems (i.e., CAD)	No		No		No No		No	
	NO		INO		NO		NO	
Two-way radio	No		No		No		No	
800 MHz trunked radio	Yes		No		No		No	
Cellular telephone	Yes		No		No		No	
Hand-held (i.e., walkie-talkie)	No		No		No		No	
Automated data systems (i.e., CAD)	No		No		No		No	
Which police agencies typically respond to incidents on freeways?								
State Police	Yes		Yes		No		Yes	
County Police or Sheriff	Yes		Yes		No		No	
City Police	No		Yes		No		No	
Who provides on-site emergency medical response?								
Fire	Yes		Yes		No		No	
Emergency Management Service Agency	Yes		Yes		No		Yes	
Private hospital	No		No		No		Yes	
Has a multi-agency contact list been developed in area containing the					ND			
names, phone numbers, etc. for the appropriate response personnel?	No		No		NR		No	
Is the Incident Command System used to manage incident scenes?	Yes		DK		NR		Yes	
Is there a legal specification by state law or formal agreement as to who is "in charge" at the incident scene?								<del> </del>
Specified by state law?	No		No		No		No	
Formal agreement?	No		No		No		No	
Not specified or don't know?	Yes		Yes		No		Yes	-
On-scene command post used to manage activities of responding agencies?	Yes		DK		NR		No Yes	
Are there communication linkages to a communications traffic/freeway mgt center?	No		NR		NR NR		NR	

	New York State DOT- Hudson Valley Region 8		New York State DOT-Long Island Region 10		New York State Thruway Authority		Palisades Interstate Park Commission	
	1999	2005	1999	2005	1999	2005	1999	2005
Plan developed and adopted by responding agencies for staging and parking								
response vehicles and equip. at incident site that minimizes lane blockage								
and facilitates the re-opening of lanes?	No		No		NR		No	
Respondents protected through law or court opinion for liability claims								
for damages to vehicles or cargoes during clearance activities?	DK		No		NR		Yes	
Are overturned tank trucks, which are intact and not leaking, uprighted								
without first off-loading?	No		NR		NR		Yes	
Does your state or local jurisdiction have a law that requires drivers								
involved in property-damage-only accidents to move the vehicles								
from travel lanes to a safe location to exchange info and wait for police?	NR		No		NR		Yes	
Have laws or policies regarding the removal of stalled/abandoned vehicles								
from freeway shoulders?	No		No		NR		Yes	
Hours abandoned vehicles are allowed to remain on a freeway shoulder?	>36		DK		NR		0-24	
Have policies or procedures for quick removal of vehicles?	No		No		NR		Yes	
Is Total Station equipment used to investigate major incidents?	DK		Yes		NR		No	
Handling of Towing Responses to Incidents								
Formal contract based on qualifications?	Yes		Yes		No		No	
Rotation with companies under contract?	No		Yes		No		Yes	
Separate lists kept for light and heavy response and for specialty recovery?	Yes		NR		NR		No	
Rotation list with minimal qualifications?	No		No		No		No	
In towing qualifications, do you require towers to be certified under the								
Towing and Recovery Ass. of America's National Drivers Cert. Program?	Considered		DK		NR		No	
DK: Don't know								
NR: No Response								
Leg: Legislation or action being planned								

	Tran	scom	Totals	
	1999	2005	1999	2005
Agency Returned Survey?	Yes		9	
FREEWAY MANAGEMENT SECTION				
Number of freeway centerline miles that agency owns or maintains	NR		11,118	
Number of freeway centerline miles that is used for planning	NR		10,236	
Number of freeway entrance ramps that agency owns, operates or maintains	NR		637	
Number of freeway entrance ramps that is used for planning	NR		994	
Type of facilities used to conduct freeway/incident management activities				
Activities housed in a free-standing dedicated building?	No		1	
Activities housed in a building shared with other activities?	No		6	
Activities conducted in a dedicated control room?	No		5	
Control room contains operator console(s)?	No		1	
Control room contains electronic wall map?	No		0	
Control room contains CCTV display(s)?	No		1	
Activities conducted in a room containing workstations or PCs that manage traffic?	No		5	
Facilities are electronically linked to other transportation mgt facilities?	No		2	
Staffing and hours of operation of freeway/incident management activities				
Number of full-time agency staff members	NR		0	0
Number of full time contractor staff members	NR		0	0
Number of part-time agency staff members	NR		0	0
Number of part-time contractor staff members	NR		0	0
Staffed 24 hours day by agency staff or by others	NR		0	0
Staffed during peak hours only by agency staff or by others	NR		0	0
Staffed by others during off-peak hours	No		0	0
Agency staff perform transportation management as an ancillary duty	No		1	1
Agency staff dedicated to transportation management duty	No		3	3
Types of operations conducted for freeway/incident management				
Incident detection and management?	No		5	5
This metropolitan area?	No		4	4
Other metropolitan area?	No		2	2
Statewide?	No		2	2
Monitoring and troubleshooting status of system components?	No		5	5
Manual override of ramp metering rates at freeway on-ramps?	No		1	1
Operating transportation management roadside devices?	No		6	6
Radio communications with other agencies?	No		3	3
Exchange of electronic data with other agencies such as computer aided dispatch?	No		3	3

	Tron	scom	To	tals
	1999	2005	1999	2005
Total number of miles under surveillance with real-time data collection tech.	19	500	309	1.051
Number of Stations with data collection technologies				1,001
Loop detectors	0	0	3.498	2.782
		0	-,	42
Video imaging detectors	0	-	137	
Probe readers (elec. toll tags, transit vehicles, other technology)	0	0	21	119
Microwave radar	0	0	312	300
Other (e.g., acoustic detectors)	0	0	0	0
Number of Miles covered with data collection technologies				
Loop detectors	0	0	130	230
Video imaging detectors	0	0	20	0
Probe readers (elec. toll tags, transit vehicles, other technology)	0	0	16	190
Microwave radar	0	0	70	70
Other (e.g., acoustic detectors)	0	0	0	0
Variable Message Signs (VMS) on Freeways				
Candidate locations for deployment of VMS where VMS has been deployed	NR	NR	262	419
Candidate locations for deployment of VMS	NR	NR	61	224
Roadside Technologies used to Distribute Traveler Information				
Total number of miles where information is distributed	200	200	385	612
Number deployed				
Highway advisory radio	NR	NR	27	70
In-vehicle signing	0	0	0	0
Portable variable message signs	0	0	48	78
Other	0	0	0	0
<u>Miles covered</u>				
Highway advisory radio	200	200	385	612
In-vehicle signing	0	0	0	0
Portable variable message signs	0	0	0	0
Other	0	0	0	0
Ramp Meters on Freeways				
Number of entrance ramp meters operated under isolated control	NR	NR	0	0
Number of entrance ramp meters operated under central control	NR	NR	77	0
Number of entrance ramp meters that provide preemption for emergency vehicles	NR	NR	0	0
Number of entrance ramp meters that provide priority for transit vehicles	NR	NR	4	0
Total number of metered ramps	NR	NR	81	0
Freeway centerline miles under lane control	NR	NR	0	1
Communication Links				
Freeway centerline miles covered by the following type of communication				
Twisted pair cable	0	0	0	0
Coaxial cable	0	0	160	40
Fiber-optic cable	0	0	114	364
Microwave radio	0	0	122	0

	Tran	scom	Tot	tals
	1999	2005	1999	2005
Other	0	0	0	0
ITS Standards Used Related to Freeway Management				
ATMS Data Dictionary Sections 1 and 2 (ITE TM 1.01)	No		1	
ATMS Data Dictionary Sections 3 and 4 (ITE TM 1.02)	No		1	
Message Set for External TMC Communication (ITE-9604-1)	No		2	
NTCIP Class B Profile (AASHTO TS 3.3)	No		2	
NTCIP Data Collection and Monitoring Devices (AASHTO TS 3.DCM)	No		2	
NTCIP Object Definitions for Environmental Sensor Stations (AASHTO TS 3.7)	No		1	
NTICP Object Definitions for Dynamic Message Signs (AASHTO TS 3.6)	No		3	
NTICP Object Definitions for Highway Advisory Radio (AASHTO TS 3.HAR)	No		2	
NTICP Object Definitions for Ramp Meter Control (AASHTO TS 3.RMC)	No		0	
NTICP Object Definitions for Transportation Sensor Systems (AASHTO TS 3.TSS)	No		2	
NTICP Object Definitions for Video Camera Control (AASHTO TS 3.VCC)	No		2	
Would agency be willing to participate in testing of ITS Standards?	NR		5	
Have agreements in place with other agencies to use similar hardware				
and software to aid maintenance and interoperability?	NR		3	
INCIDENT MANAGEMENT SECTION				
Use of Service Patrols to Assist in Detection and Response to Incidents				
Publicly operated service patrol vehicles	No		2	
Privately operated service patrol vehicles operated under public contract	No		1	
Total number of freeway miles patrolled by these services	NR	NR	449	519
Miles Covered by Methods to Detect and Verify Incidents				
Free cellular phone call to a dedicated phone number other than 911	NR	NR	122	122
Police patrols	NR	NR	428	428
Computer algorithms linked to traffic surveillance equipment	19	500	318	914
CCTV	NR	NR	113	188
Private sector sources (e.g., Shadow Traffic, SmartRoutes)	NR	NR	122	122
Other (e.g., free cell phone call to an area radio system, etc.)	NR	NR	0	0
Procedures in place for Freeway Incident Response?				
Working agreement(s)/arrangement(s) with other agencies	No		4	
Inter-agency incident management admin. team that meets regularly	No		3	
Major incident response team that responds to major incidents	No		2	
Set of goals/objectives for incident mgt that has been adopted by agencies in region	No		0	
Central focal point for facilitating the two-way flow of information				
among agencies responding to an incident?				
The central focal point is a Freeway or Traffic Management Center	No		2	
The central focal point is a Police, Fire or joint dispatch center	No		1	
The central focal point is another center	No		0	
Methods of Communication Used On-Site at an Incident	1			
Police	-	-		<b>-</b>

	_		_	4-1-
	1999	scom 2005	1999	tals 2005
Two-way radio	No.	2000	3	2000
800 MHz trunked radio	No		3	
Cellular telephone	No No		2	
Hand-held (i.e., walkie-talkie)	No		3	
Automated data systems (i.e., CAD)	No		0	
Fire	110		- ŭ	
Two-way radio	No		2	
800 MHz trunked radio	No		0	
Cellular telephone	No No		<u>0</u>	
Hand-held (i.e., walkie-talkie)	No No		1	
Automated data systems (i.e., CAD)	INU		ı	
<u>DOT</u>	<del></del>			
Two-way radio	No		3	
800 MHz trunked radio	No		1	
Cellular telephone	No		3	
Hand-held (i.e., walkie-talkie)	No		1	
Automated data systems (i.e., CAD)	No		0	
<u>Towing</u>				
Two-way radio	No		1	
800 MHz trunked radio	No		1	
Cellular telephone	No		2	
Hand-held (i.e., walkie-talkie)	No		0	
Automated data systems (i.e., CAD)	No		0	
Which police agencies typically respond to incidents on freeways?				
State Police	No		5	
County Police or Sheriff	No		2	
City Police	No		1	
Who provides on-site emergency medical response?				
Fire	No		2	
Emergency Management Service Agency	No		4	
Private hospital	No		3	
Has a multi-agency contact list been developed in area containing the				
names, phone numbers, etc. for the appropriate response personnel?	NR		2	
Is the Incident Command System used to manage incident scenes?	NR		3	
Is there a legal specification by state law or formal agreement as to who				
is "in charge" at the incident scene?				
Specified by state law?	No		1	
Formal agreement?	No		0	
Not specified or don't know?	No		4	
On-scene command post used to manage activities of responding agencies?	NR		3	
Are there communication linkages to a communications traffic/freeway mgt center?	NR		2	

	Tran	scom	To	tals
	1999	2005	1999	2005
Plan developed and adopted by responding agencies for staging and parking				
response vehicles and equip. at incident site that minimizes lane blockage				
and facilitates the re-opening of lanes?	NR		1	
Respondents protected through law or court opinion for liability claims				
for damages to vehicles or cargoes during clearance activities?	NR		2	
Are overturned tank trucks, which are intact and not leaking, uprighted				
without first off-loading?	NR		3	
Does your state or local jurisdiction have a law that requires drivers				
involved in property-damage-only accidents to move the vehicles				
from travel lanes to a safe location to exchange info and wait for police?	NR		2	
Have laws or policies regarding the removal of stalled/abandoned vehicles				
from freeway shoulders?	NR		3	
Hours abandoned vehicles are allowed to remain on a freeway shoulder?	NR		0	
Have policies or procedures for quick removal of vehicles?	NR		3	
Is Total Station equipment used to investigate major incidents?	NR		3	
Handling of Towing Responses to Incidents				
Formal contract based on qualifications?	No		4	
Rotation with companies under contract?	No		4	
Separate lists kept for light and heavy response and for specialty recovery?	NR		3	
Rotation list with minimal qualifications?	No		0	
In towing qualifications, do you require towers to be certified under the				
Towing and Recovery Ass. of America's National Drivers Cert. Program?	NR		0	
DK: Don't know				
NR: No Response				
Leg: Legislation or action being planned				

Appendix D Freeway Management Integration

		Department of tation(CT)	New Jersey Department of Transportation(NJ		
Agency Name	1999	2005	1999	2005	
•					
Agency Returned Survey?	Yes		Yes		
Freeway Management Section					
Agencies your agency provides freeway travel times, speeds, and					
conditions information, share infrastructure or coordinates operation					
Freeway Management Agencies					
Provide Information	short survey	None listed	None listed	New Jersey Highway Authority, New Jersey Turnpike Authority, Port Authority of New York and New Jersey, TRANSCOM	
Share Infrastructure	None listed	None listed	None listed	New Jersey Highway Authority, New Jersey Turnpike Authority, Port Authority of New York and New Jersey, TRANSCOM	

		Department of tation(CT)		tment of Transportation(NJ)
Aganay Nama	-		1999	2005
Agency Name Coordinate Operation	1999	2005	1999	2005
Coordinate Operation				
				New Jersey Highway
				Authority, New Jersey
				Turnpike Authority, Port Authority of New York and
	None listed	None listed	None listed	New Jersey, TRANSCOM
Incident Management Agencies	None listed	None listed	None listed	ricw derdey, from tooding
Provide Information				
				New Jersey Highway Authority, New Jersey
				Turnpike Authority, Port
				Authority of New York and
	short survey	None listed	None listed	New Jersey, TRANSCOM
Share Infrastructure				
				New Jersey Highway Authority, New Jersey
				Turnpike Authority, Port
				Authority of New York and
	None listed	None listed	None listed	New Jersey, TRANSCOM

		Department of		
		tation(CT)		artment of Transportation(NJ)
Agency Name	1999	2005	1999	2005
Coordinate Operation				
				New Jersey Highway
				Authority, New Jersey
				Turnpike Authority, Port
				Authority of New York and
	None listed	None listed	None listed	New Jersey, TRANSCOM
Arterial Management Agencies				
Provide Information				
		<b>.</b>		Daman Caunty Naviant City
Share Infrastructure	None listed	None listed	None listed	Bergen County, Newark City
Share initiastructure				
	None listed	None listed	None listed	Bergen County, Newark City
Coordinate Operation	None listed	None listed	None listed	Bergen County, Newark City
ooordinate operation				
	None listed	Nama liata d	None listed	Pargan County Navage City
Public Transit Operators	None listed	None listed	None listed	Bergen County, Newark City
Provide Information				
Tovide illiothidion				
				New Jersey Transit
	None listed	None listed	None listed	Corporation

	Connecticut Department of Transportation(CT) New Jersey Department			artment of Transportation(NJ)		
Agency Name	1999	2005	1999	nt of Transportation(NJ)  2005		
Share Infrastructure	1000		1000	1000		
	None listed	None listed	None listed	None listed		
Coordinate Operation						
				New Jersey Transit		
Receiving real-time information via electronic means from others	None listed	None listed	None listed	Corporation		
Incident Management agencies from which your agency receives						
incident severity, location, and type information						
				New Jersey Highway		
				Authority, New Jersey Turnpike Authority, Port		
	l			Authority of New York and		
Arterial Management agencies from which your agency receives	short survey	None listed	None listed	New Jersey, TRANSCOM		
arterial travel times, speeds, and conditions						
	None listed	None listed	None listed	Newark City		
Public Transit operators from which your agency receives						

		Department of	N 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	Transportation(CT)		New Jersey Department of Transportation(NJ)	
Agency Name	1999	2005	1999	2005
freeway travel times derived from vehicle probes				
	None listed	None listed	None listed	None listed
Toll Collection agencies from which your agency receives freeway travel				
times derived from vehicles probes	None listed	None listed	None listed	Port Authority of NY and NJ, New Jersey Highway Authority, New Jersey Turnpike Authority, MTA Bridges & Tunnels, New York State Thruway Authority
Freeway Incident Management Section				
Agencies your agency provides incident severity, location, and type info.				
and/or shares infrastructure and/or coordinates operation				
Arterial Management Agencies				
Provide Information	None listed	None listed	None listed	Bergen County, Newark City
Share Infrastructure				
Occupients Occupation	None listed	None listed	None listed	Bergen County, Newark City
Coordinate Operation	None listed	None listed	None listed	Bergen County, Newark City
Emergency Management Agencies				

	Connecticut Department of Transportation(CT)		New Jersey Department of Transportation(NJ)	
Agency Name	1999	2005	1999	2005
Provide Information	1935	2000	1555	2000
	None listed	None listed	None listed	New Jersey Highway Authority, New Jersey State Police
Share Infrastructure	None listed	None listed	None listed	New Jersey Highway Authority, New Jersey State Police
Coordinate Operation	None listed	None listed	None listed	New Jersey Highway Authority, New Jersey State Police
Freeway Management Agencies				
Provide Information	short survey	None listed	None listed	New Jersey Highway Authority, New Jersey Turnpike Authority, Port Authority of New York and New Jersey, TRANSCOM
Share Infrastructure	None listed	None listed	None listed	New Jersey Highway Authority, New Jersey Turnpike Authority, Port Authority of New York and New Jersey, TRANSCOM

		Department or rtation(CT)		artment of Transportation(NJ)
Agonov Namo		T '		
Agency Name Coordinate Operation	1999	2005	1999	2005
Coordinate Operation				
	None listed	None listed	None listed	New Jersey Highway Authority, New Jersey Turnpike Authority, Port Authority of New York and New Jersey, TRANSCOM
Public Transit Operators				
Provide Information				
	None listed	None listed	None listed	New Jersey Transit Corporation
Share Infrastructure				
	None listed	None listed	None listed	New Jersey Transit Corporation
Coordinate Operation				
	None listed	None listed	None listed	New Jersey Transit Corporation
Receiving real-time information via electronic means from others				
Emergency Management agencies from which your agency receives				
incident clearance and/or incident severity and type				14 ()/ O'' P ''
Receive Arterial Incident Clearance Information	None listed	None listed	None listed	Mount Vernon City Police Department, New Jersey State Police
	N			Mount Vernon City Police Department, New Jersey
Receive Arterial Incident Severity Information	None listed	None listed	None listed	State Police
Arterial Management agencies from which your agency receives arterial travel times, speeds, and conditions				
arterial travel times, speeds, and conditions				
	None listed	None listed	None listed	Newark City, Bergen County
Freeway Management agencies from which your agency receives				

Agency Name		Department of tation(CT)	New Jersey Department of Transportation(NJ)	
	1999	2005	1999	2005
freeway travel times, speeds, and conditions				
	None listed	None listed	None listed	None listed

<sup>\*</sup>short survey: Agency responded using a short survey. The survey did not include names of individual agencies, but only identified whether integration exists.

	New Jersey Highway Authority(NJ)		New Jersey Turnpike Authority(NJ)		
A const Nome			i i i i i i i i i i i i i i i i i i i		
Agency Name	1999	2005	1999	2005	
Agency Returned Survey?	Yes		Yes		
Freeway Management Section					
Agencies your agency provides freeway travel times, speeds, and					
conditions information, share infrastructure or coordinates operation					
Freeway Management Agencies					
Provide Information  Share Infrastructure	New Jersey Department of Transportation(NJ), TRANSCOM	None listed	Authority, Palisades Interstate	Connecticut Department of Transportation, New Jersey Department of Transportation, New Jersey Highway Authority, New York City Department of Transportation, New York State Department of Transportation Region, New York State Thruway Authority, Palisades Interstate Park Commission, Port Authority of New York and New Jersey, TRANSCOM	
	None listed	None listed	None listed	None listed	

New Jersey Highway Authority(NJ)		New Jersey Turnpike Authority(NJ)		
Agency Name	1999	2005	1999	2005
Coordinate Operation				
	New Jersey Department of Transportation(NJ),		New York City Department of Transportation, New York State Department of Transportation Region, New York State Thruway Authority, Palisades Interstate Park Commission, Port Authority of New York and New Jersey,	Connecticut Department of Transportation, New Jersey Department of Transportation, New Jersey Highway Authority, New York City Department of Transportation, New York State Department of Transportation Region, New York State Thruwa Authority, Palisades Interstate Park Commission, Port Authorit of New York and New Jersey,
	TRANSCOM	None listed	TRANSCOM	TRANSCOM
Incident Management Agencies Provide Information				
	New Jersey Department of Transportation(NJ), TRANSCOM	None listed	New Jersey Highway Authority, New York City Department of Transportation, New York State Department of Transportation Region, New York State Thruway Authority, Palisades Interstate Park Commission, Port Authority	Connecticut Department of Transportation, New Jersey Department of Transportation, New Jersey Highway Authority, New York City Department of Transportation, New York State Department of Transportation of Transportation Region, New York State Thruwa Authority, Palisades Interstate Park Commission, Port Authority of New York and New Jersey, TRANSCOM
Share Infrastructure				
	None listed	None listed	None listed	None listed

	New Jersey Highway Authority(NJ)		New Jersey Turnpike Authority(NJ)	
Agency Name	1999	2005	1999	2005
Coordinate Operation				
	New Jersey Department of Transportation(NJ), TRANSCOM	None listed	Transportation, New Jersey Department of Transportation, New Jersey Highway Authority, New York City Department of Transportation, New York State Department of Transportation Region, New York State Thruway Authority, Palisades Interstate Park Commission, Port Authority	Connecticut Department of Transportation, New Jersey Department of Transportation, New Jersey Highway Authority, New York City Department of Transportation, New York State Department of Transportation Region, New York State Thruway Authority, Palisades Interstate Park Commission, Port Authority of New York and New Jersey, TRANSCOM
Arterial Management Agencies				
Provide Information	None listed	None listed	New Jersey Department of Transportation	New Jersey Department of Transportation
Share Infrastructure				·
	None listed	None listed	None listed	None listed
Coordinate Operation				
	None listed	None listed	New Jersey Department of Transportation	New Jersey Department of Transportation
Public Transit Operators				
Provide Information				
	None listed	None listed	Academy Lines Incorporated, New Jersey Transit Corporation, Suburban Transit Corporation	Academy Lines Incorporated, Nev Jersey Transit Corporation, Suburban Transit Corporation

	New Jersey Highway Authority(NJ)		New Jersey Turnpike Authority(NJ)	
Agency Name	1999	2005	1999	2005
Share Infrastructure				
	Nama liatad	Nama liatad	None listed	Nama listad
Coordinate Operation	None listed	None listed	Notic listed	None listed
Coordinate Operation				
Description week times information via alecturarie mesons from ethans	None listed	None listed	None listed	None listed
Receiving real-time information via electronic means from others  Incident Management agencies from which your agency receives				
incident severity, location, and type information				
,				
			Connecticut Department of Transportation, New Jersey	Connecticut Department of Transportation, New Jersey
			Department of Transportation,	Department of Transportation,
			New Jersey Highway Authority,	New Jersey Highway Authority,
			New York City Department of	New York City Department of
			Transportation, New York State	Transportation, New York State
			Department of Transportation	Department of Transportation
			Region, New York State Thruway Authority, Palisades Interstate	Region, New York State Thruway Authority, Palisades Interstate
			Park Commission, Port Authority	Park Commission, Port Authority
			of New York and New Jersey,	of New York and New Jersey,
	TRANSCOM	None listed	TRANSCOM	TRANSCOM
Arterial Management agencies from which your agency receives		_		
arterial travel times, speeds, and conditions				
	None listed	None listed	None listed	None listed
Public Transit operators from which your agency receives				

	New Jersey Highway Authority(NJ)		New Jersey Turnpike Authority(NJ)	
Agency Name	1999	2005	1999	2005
freeway travel times derived from vehicle probes				
	None listed	None listed	None listed	None listed
Toll Collection agencies from which your agency receives freeway travel				
times derived from vehicles probes				
	Nama liatad	Nama liatad	Niana liatad	Name listed
Freeway Incident Management Section	None listed	None listed	None listed	None listed
Agencies your agency provides incident severity, location, and type info.				
and/or shares infrastructure and/or coordinates operation				
Arterial Management Agencies				
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation	140HC Hoteu	140HC H3tCu	Tions listed	Trone listed
	None listed	None listed	None listed	None listed
Emergency Management Agencies				

	N 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
	New Jersey Highway Authority(NJ)		New Jersey Turn	pike Authority(NJ)
Agency Name	1999	2005	1999	2005
Provide Information			Bergen County Emergency Medical Services, Elizabeth City Emergency Medical Services, Elizabeth City Fire Department, Jersey City Emergency Medical Services, Lindenhurst Fire District, Lindenhurst Fire District Emergency Medical, New Jersey	Bayonne City Fire Department, Bergen County Emergency Medical Services, Elizabeth City Emergency Medical Services, Elizabeth City Fire Department, Jersey City Emergency Medical Services, Lindenhurst Fire District, Lindenhurst Fire District Emergency Medical, New Jersey Highway Authority, Newark City
	None listed	None listed		Fire Department
Share Infrastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation	None listed	None listed	None listed	None listed
Freeway Management Agencies				
Provide Information	None listed		New York City Department of Transportation, New York State Department of Transportation Region, New York State Thruway	Connecticut Department of Transportation, New Jersey Department of Transportation, New Jersey Highway Authority, New York City Department of Transportation, New York State Department of Transportation Region, New York State Thruway Authority, Port Authority of New York and New Jersey, TRANSCOM
Share Infrastructure	None listed	None listed	None listed	None listed

				7 . A . H . 7 . (A L D
		lighway Authority(NJ)	1	pike Authority(NJ)
Agency Name	1999	2005	1999	2005
Coordinate Operation				
	None listed	None listed	New Jersey Department of Transportation, New Jersey Highway Authority, Port Authority of New York and New Jersey, TRANSCOM	New Jersey Department of Transportation, New Jersey Highway Authority, Port Authority of New York and New Jersey, TRANSCOM
Public Transit Operators				
Provide Information	None listed	None listed	Academy Lines Incorporated, New Jersey Transit Corporation, Suburban Transit Corporation	Academy Lines Incorporated, New Jersey Transit Corporation, Suburban Transit Corporation
Share Infrastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation				
	None listed	None listed	None listed	None listed
Receiving real-time information via electronic means from others				
Emergency Management agencies from which your agency receives				
incident clearance and/or incident severity and type				
Receive Arterial Incident Clearance Information	None listed	None listed	None listed	None listed
Receive Arterial Incident Severity Information	None listed	None listed	None listed	None listed
Arterial Management agencies from which your agency receives				
arterial travel times, speeds, and conditions				
	None listed	None listed	None listed	None listed
Freeway Management agencies from which your agency receives				

	New Jersey Highway Authority(NJ)		New Jersey Turnpike Authority(NJ)	
Agency Name	1999	2005	1999	2005
freeway travel times, speeds, and conditions				
			Connecticut Department of	Connecticut Department of
			Transportation, New Jersey	Transportation, New Jersey
			Department of Transportation,	Department of Transportation,
			New Jersey Highway Authority,	New Jersey Highway Authority,
			New York City Department of	New York City Department of
			Transportation, New York State	Transportation, New York State
			Department of Transportation	Department of Transportation
			Region, New York State Thruway	Region, New York State Thruway
			Authority, Palisades Interstate	Authority, Palisades Interstate
			Park Commission, Port Authority	Park Commission, Port Authority
			of New York and New Jersey,	of New York and New Jersey,
	None listed	None listed	TRANSCOM	TRANSCOM

<sup>\*</sup>short survey: Agency responded using a short survey. The survey did not include names of individual agencies, but only identified whether integration exists.

	Now York State DOT	Hudson Valloy Pogion 9		
Agonov Namo		New York State DOT-Hudson Valley Region 8 1999 2005		
Agency Name	1999	2005		
Agency Returned Survey?				
Freeway Management Section	Yes			
Agencies your agency provides freeway travel times, speeds, and				
conditions information, share infrastructure or coordinates operation				
Freeway Management Agencies Provide Information				
Share Infrastructure	New York State Department of Transportation, New York State DOT- Hudson Valley Region 8	Connecticut Department of Transportation, New Jersey Departmen of Transportation, New Jersey Highway Authority, New York City Department of Transportation, New York State Thruwa Authority, Palisades Interstate Park Commission, Port Authority of New Yorl and New Jersey, Transcom		
	New York State Department of Transportation, New York State DOT- Hudson Valley Region 8, New York State Thruway Authority	Connecticut Department of Transportation, New Jersey Departmen of Transportation, New Jersey Highway Authority, New York City Department of Transportation, Palisades Interstate Park Commission, Port Authority of New York and New Jersey, Transcom		

	New York State DOT-	-Hudson Valley Region 8	
Agency Name	1999	2005	
Coordinate Operation			
		Connecticut Department of Transportation, New Jersey Department	
		of Transportation, New Jersey Department	
	New York State Department of	Authority, New York City Department of	
	Transportation, New York State DOT-	Transportation, Palisades Interstate	
	Hudson Valley Region 8, New York	Park Commission, Port Authority of New	
	State Thruway Authority, Transcom	York and New Jersey	
Incident Management Agencies			
Provide Information			
		Connecticut Department of	
		Transportation, New Jersey Departmen	
		of Transportation, New Jersey Highway	
	New York State Department of	Authority, New York City Department of	
	Transportation, New York State DOT- Hudson Valley Region 8, New York	Transportation, Palisades Interstate Park Commission, Port Authority of Nev	
	State Thruway Authority, Transcom	York and New Jersey	
Share Infrastructure			
		Connecticut Department of	
		Transportation, New Jersey Departmen	
		of Transportation, New Jersey Highway	
	New York State Department of	Authority, New York City Department of Transportation, Palisades Interstate	
	Transportation, New York State DOT- Hudson Valley Region 8, New York	Park Commission, Port Authority of New	
	State Thruway Authority	York and New Jersey, Transcom	

	New York State DOT-	-Hudson Valley Region 8	
Agency Name	1999	2005	
Coordinate Operation			
		Connecticut Department of	
		Transportation, New Jersey Departmer	
		of Transportation, New Jersey Highway	
	New York State Department of Transportation, New York State DOT-	Authority, New York City Department of Transportation, Palisades Interstate	
	Hudson Valley Region 8, New York	Park Commission, Port Authority of Ne	
	State Thruway Authority	York and New Jersey, Transcom	
Arterial Management Agencies			
Provide Information		Westchester County, Yonkers City Traffic Engineering Division, White	
	None listed	Plains County	
Share Infrastructure		,	
		Westchester County, Yonkers City	
		Traffic Engineering Division, White	
	None listed	Plains County	
Coordinate Operation			
		Westchester County, Yonkers City	
	None listed	Traffic Engineering Division, White Plains County	
Public Transit Operators	INOTIE IISTEU	i lains County	
Provide Information			
		Metro-North Commuter Railroad, New	
		York City Department of Transportation	
		Putnam County Transit, Rockland Coaches Incorporated, Westchester	
	None listed	County Department of Transportation	

	New York State DOT	-Hudson Valley Region 8
Agency Name	1999	2005
Share Infrastructure		
	None listed	Metro-North Commuter Railroad, New York City Department of Transportation, Putnam County Transit, Rockland Coaches Incorporated, Westchester County Department of Transportation
Coordinate Operation		
	None listed	Metro-North Commuter Railroad, New York City Department of Transportation, Putnam County Transit, Rockland Coaches Incorporated, Westchester County Department of Transportation
Receiving real-time information via electronic means from others		
Incident Management agencies from which your agency receives		
incident severity, location, and type information	New York City Department of Transportation, New York State Department of Transportation Region, New York State Thruway Authority, Transcom	Connecticut Department of Transportation, New Jersey Department of Transportation, New Jersey Highway Authority, Palisades Interstate Park Commission, Port Authority of New York and New Jersey
Arterial Management agencies from which your agency receives		
arterial travel times, speeds, and conditions	None listed	Westchester County, Yonkers City Traffic Engineering Division, White Plains County
Public Transit operators from which your agency receives		

		OT-Hudson Valley Region 8
Agency Name	1999	2005
freeway travel times derived from vehicle probes		
		Metro-North Commuter Railroad, New
		York City Department of Transportation  New York City Transit Authority,
		Westchester County Department of
	None listed	Transportation
Toll Collection agencies from which your agency receives freeway travel		
times derived from vehicles probes		
		New York State Thruway Authority,
	None listed	Transcom Transmit
reeway Incident Management Section		
Agencies your agency provides incident severity, location, and type info.		
and/or shares infrastructure and/or coordinates operation		
Arterial Management Agencies		
Provide Information		
		New York City Department of
	Now York Chata Danastraant of	Transportation, Westchester County,
	New York State Department of Transportation Region	Yonkers City Traffic Engineering Division, White Plains County
Share Infrastructure	Transportation (Tegion	Division, write Flams County
Cital o Illinostractore		
		l
		New York City Department of
	New York State Department of	Transportation, Westchester County, Yonkers City Traffic Engineering
	Transportation Region	Division, White Plains County
Coordinate Operation	<u> </u>	New York City Department of
		Transportation, Westchester County,
	New York State Department of	Yonkers City Traffic Engineering
	Transportation Region	Division, White Plains County

	New York State DOT-I	Hudson Valley Region 8
Agency Name	1999	2005
Provide Information		
	None listed	None listed
Share Infrastructure		
	None listed	None listed
Coordinate Operation		
	None listed	None listed
Freeway Management Agencies		
Provide Information	New York State DOT-Hudson Valley Region 8, New York State Thruway Authority, Transcom	Connecticut Department of Transportation, New Jersey Department of Transportation, New Jersey Highway Authority, New York City DOT, New York State DOT, Palisades Interstate Park Commission, Port Authority of New York and New Jersey
Share Infrastructure	New York State DOT-Hudson Valley Region 8, New York State Thruway Authority, Transcom	Connecticut Department of Transportation, New Jersey Department of Transportation, New Jersey Highway Authority, New York City DOT, New York State DOT, Palisades Interstate Park Commission, Port Authority of New York and New Jersey

	New York State DOT-Hudson Valley Region 8		
Agency Name	1999	2005	
Coordinate Operation			
	New York State DOT-Hudson Valley Region 8, New York State Thruway Authority, Transcom	Connecticut Department of Transportation, New Jersey Department of Transportation, New Jersey Highway Authority, New York City DOT, New York State DOT, Palisades Interstate Park Commission, Port Authority of New York and New Jersey	
Public Transit Operators			
Provide Information	None listed	Metro-North Commuter Railroad, New York City Department of Transportation, Westchester County Department of Transportation	
Share Infrastructure	None listed	Metro-North Commuter Railroad, New York City Department of Transportation, Westchester County Department of Transportation	
Coordinate Operation	None listed	Metro-North Commuter Railroad, New York City Department of Transportation, Westchester County Department of Transportation	
Receiving real-time information via electronic means from others		·	
Emergency Management agencies from which your agency receives			
incident clearance and/or incident severity and type			
Receive Arterial Incident Clearance Information	None listed	None listed	
Receive Arterial Incident Severity Information	None listed	None listed	
Arterial Management agencies from which your agency receives			
arterial travel times, speeds, and conditions	None listed	Westchester County, Yonkers City Traffic Engineering Division, White Plains County	
Freeway Management agencies from which your agency receives		, , , , , , , , , , , , , , , , , , ,	

	New York State DOT	-Hudson Valley Region 8
Agency Name	1999	2005
freeway travel times, speeds, and conditions		
		Connecticut Department of
		Transportation, New Jersey Departme
		of Transportation, New Jersey Highwa
		Authority, New York City Department of
	New York State DOT-Hudson Valley	Transportation, New York State
	Region 8, New York State Thruway	Department of Transportation, Palisac
	Authority, Transcom, I-95 Corridor	Interstate Park Commission, Port
	Coalition	Authority of New York and New Jerse

<sup>\*</sup>short survey: Agency responded using a short survey. The survey did not include names of individual agencies, but only identified whether integration exists.

	New York State DOT-Long Island Region 10		
Agency Name	1999	2005	
Agency Returned Survey?	Yes		
reeway Management Section			
Agencies your agency provides freeway travel times, speeds, and			
conditions information, share infrastructure or coordinates operation			
Freeway Management Agencies			
Provide Information			
		New York City Department of	
		Transportation, New York State	
		Department of Transportation Regio	
	New York State Department of	Port Authority of New York and New	
	Transportation, TRANSCOM	Jersey	
Share Infrastructure			
		New York City Department of	
	None listed	Transportation, TRANSCOM	

	New York State DOT-Long Island Region 10	
Agency Name	1999	2005
Coordinate Operation		
		Now York City Donortmont of
	TRANSCOM	New York City Department of Transportation
Incident Management Agencies	TRAINSCOIVI	Transportation
Provide Information		
1 TOVIDE INTOTTIBLION		
	New York State Department o	f
	Transportation Region, New Y	ork State New York City Department of
	Department of Transportation,	Transportation, Port Authority of New
	TRANSCOM	York and New Jersey
Share Infrastructure		
		New York City Department of
	None listed	Transportation

	New Yor	New York State DOT-Long Island Region 10	
Agency Name	1999	2005	
Coordinate Operation			
		New York City Department of	
		Transportation, New York State	
	None listed	Department of Transportation	
Arterial Management Agencies			
Provide Information			
	None listed	None listed	
Share Infrastructure	None listed	None listed	
Chare illinastrastate			
	None listed	None listed	
Coordinate Operation	Trong listes	Tiene netes	
·			
	None listed	None listed	
Public Transit Operators	Trono notes	Tions notes	
Provide Information			
	None listed	None listed	

	New York State DOT-Long Island Region 10	
Agency Name	1999	2005
Share Infrastructure		
	None listed	None listed
Coordinate Operation		
	None listed	None listed
Receiving real-time information via electronic means from others		
Incident Management agencies from which your agency receives incident severity, location, and type information		
moluent seventy, location, and type molination		
	None listed	None listed
Arterial Management agencies from which your agency receives	Trong noted	Trong noted
arterial travel times, speeds, and conditions		
	None listed	None listed
Public Transit operators from which your agency receives		

	New York State DOT-Long Island Region 10	
Agency Name	1999	2005
freeway travel times derived from vehicle probes		
	None listed	None listed
Toll Collection agencies from which your agency receives freeway travel		
times derived from vehicles probes		
	None listed	Port Authority of NY and NJ, MTA Bridges & Tunnels
Freeway Incident Management Section	None listed	Bridges & Furniers
Agencies your agency provides incident severity, location, and type info.		
and/or shares infrastructure and/or coordinates operation		
Arterial Management Agencies		
Provide Information		
Share Infrastructure	None listed	None listed
Share initiastructure		
	None listed	None listed
Coordinate Operation		
Farancia Managara Angaria	None listed	None listed
Emergency Management Agencies		

	New York	State DOT-Long Island Region 10
Agency Name	1999	2005
Provide Information		
	None listed	None listed
Share Infrastructure		
	None listed	None listed
Coordinate Operation		
	<u>.</u>	
Freeway Management Agencies	None listed	None listed
Provide Information		
	TRANSCOM	None listed
Share Infrastructure	1.00000	
	None listed	None listed

	New York State DOT-Long Island Region 10	
Agency Name	1999	2005
Coordinate Operation		
	None listed	None listed
Public Transit Operators		
Provide Information		
	Name Baked	Name Batant
Share Infrastructure	None listed	None listed
Share initiastructure		
	None listed	None listed
Coordinate Operation		
	None listed	None listed
Receiving real-time information via electronic means from others	Notice listed	None listed
Emergency Management agencies from which your agency receives		
incident clearance and/or incident severity and type		
Receive Arterial Incident Clearance Information	None listed	None listed
Receive Arterial Incident Severity Information	None listed	None listed
Arterial Management agencies from which your agency receives		
arterial travel times, speeds, and conditions		
Freeway Management agencies from which your agency receives	None listed	None listed

	New York State DOT-Long Island Region 10	
Agency Name	1999	2005
freeway travel times, speeds, and conditions		
		New York City Department of
		Transportation, New York State
		Department of Transportation Region
		Port Authority of New York and New
	TRANSCOM	Jersey

<sup>\*</sup>short survey: Agency responded using a short survey. The survey did not include names of individual agencies, but only identified whether integration exists.

	New York State Thruway Authority	
Agency Name	1999	2005
,		
Agency Returned Survey?	Yes	
Freeway Management Section		
Agencies your agency provides freeway travel times, speeds, and		
conditions information, share infrastructure or coordinates operation		
Freeway Management Agencies		
Provide Information		
	New York State DOT-Hudson Valley	
	Region 8, Transcom	Region 8, Transcom
Share Infrastructure		
	New York State DOT-Hudson Valley	New York State DOT-Hudson Valley
	Region 8, Transcom	Region 8, Transcom

	New York State Thruway Authority	
Agency Name	1999	2005
Coordinate Operation	1000	2000
	New York State DOT-Hudson Valley	New York State DOT-Hudson Valley
	Region 8, Transcom	Region 8, Transcom
Incident Management Agencies		
Provide Information		
	Transcom	New York State DOT, Transcom
Share Infrastructure		2 11 2 12 12 2 2 1 1 1 1 2 2 1 1 1
	Transcom	New York State DOT, Transcom

	New York St.	New York State Thruway Authority	
Agency Name	1999	2005	
Coordinate Operation			
·			
	Transcom	New York State DOT, Transcom	
Arterial Management Agencies			
Provide Information			
Share Infrastructure	None listed	None listed	
Share milastructure			
	None listed	None listed	
Coordinate Operation			
	New York State DOT-Hudson Valle	ey New York State DOT-Hudson Valley	
	Region 8	Region 8	
Public Transit Operators		ű	
Provide Information			
	None listed	None listed	

	New York State Thruway Authority		
Agency Name	1999	2005	
Share Infrastructure			
	None listed	None listed	
Coordinate Operation			
	None listed	None listed	
Receiving real-time information via electronic means from others			
Incident Management agencies from which your agency receives incident severity, location, and type information			
incluent severity, location, and type information			
	Transcom	Transcom	
Arterial Management agencies from which your agency receives	Hanoonii	Transcom	
arterial travel times, speeds, and conditions			
		New York State DOT-Hudson Valley	
	None listed	Region 8, Transcom	
Public Transit operators from which your agency receives			

	New York State Thruway Authority			
Agency Name	1999	2005		
freeway travel times derived from vehicle probes	1.000			
	None listed	Transcom		
Toll Collection agencies from which your agency receives freeway travel				
times derived from vehicles probes				
	Transcom	Transcom		
Freeway Incident Management Section				
Agencies your agency provides incident severity, location, and type info.				
and/or shares infrastructure and/or coordinates operation				
Arterial Management Agencies				
Provide Information				
	None listed	None listed		
Share Infrastructure				
	Name listed	Niana liatad		
Coordinate Operation	None listed	None listed		
OSSIGNALO OPOIGNOIT				
	None listed	None listed		
Emergency Management Agencies				

	New Y	ork State Thruway Authority
Agency Name	1999	2005
Provide Information		
Share Infrastructure	None listed	None listed
Share illinastructure		
	None listed	None listed
Coordinate Operation		
	None listed	None listed
Freeway Management Agencies	realis listed	Trone moteu
Provide Information		
	None listed	None listed
Share Infrastructure		
	None listed	None listed

	Now Vo	rk State Thruway Authority
Agency Name	1999	2005
Coordinate Operation	1999	2005
Coordinate Operation		
	None listed	None listed
Public Transit Operators		
Provide Information		
	Name Catad	Nama Batad
Share Infrastructure	None listed	None listed
Share milashucture		
	None listed	None listed
Coordinate Operation		
	N	
Receiving real-time information via electronic means from others	None listed	None listed
Emergency Management agencies from which your agency receives		
incident clearance and/or incident severity and type		
moration commission moration corresponding to the contract of		
Receive Arterial Incident Clearance Information	None listed	None listed
Receive Arterial Incident Severity Information	None listed	None listed
Arterial Management agencies from which your agency receives		
arterial travel times, speeds, and conditions		
	None listed	None listed
Freeway Management agencies from which your agency receives	None listed	THORE HISTORY

	New York State Thruway Authority			
Agency Name	1999	2005		
freeway travel times, speeds, and conditions				
	None listed	None listed		

<sup>\*</sup>short survey: Agency responded using a short survey. The survey did not include names of individual agencies, but only identified whether integration exists.

	Palisades Interstate Park Commission		Transcom	
Agency Name	1999	2005	1999	2005
			1111	
Agency Returned Survey?	Yes		Yes	
Freeway Management Section				
Agencies your agency provides freeway travel times, speeds, and				
conditions information, share infrastructure or coordinates operation				
Freeway Management Agencies				
Provide Information				
	New Jersey Department of			
	Transportation(NJ), Port			
	Authority of New York and			
	New Jersey, TRANSCOM	None listed	short survey	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed

	Palisades Interstate Park Commission		Transcom	
Agency Name	1999	2005	1999	2005
Coordinate Operation				
	None listed	None listed	None listed	None listed
Incident Management Agencies				
Provide Information				
	Port Authority of New York			
	and New Jersey,			
	TRANSCOM	None listed	short survey	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed

	Palisades Ir	Palisades Interstate Park Commission		Transcom	
Agency Name	1999	2005	1999	2005	
Coordinate Operation					
	None listed	None listed	None listed	None listed	
Arterial Management Agencies					
Provide Information					
	N	N	l.,		
Share Infrastructure	None listed	None listed	short survey	None listed	
Grane initiastructure					
	None listed	None listed	None listed	None listed	
Coordinate Operation					
	None listed	None listed	None listed	None listed	
Public Transit Operators					
Provide Information					
	None listed	None listed	short survey	None listed	

	Palisades Interstat	e Park Commission	Trar	scom
Agency Name	1999	2005	1999	2005
Share Infrastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation				
	None listed	None listed	None listed	None listed
eceiving real-time information via electronic means from others				
Incident Management agencies from which your agency receives				
incident severity, location, and type information				
	Port Authority of New York			
	and New Jersey,			
	TRANSCOM	None listed	short survey	None listed
Arterial Management agencies from which your agency receives				
arterial travel times, speeds, and conditions				
	None listed	None listed	None listed	None listed

	Palisades Interstate Park Commission		Transcom	
Agency Name	1999	2005	1999	2005
freeway travel times derived from vehicle probes				
	None listed	None listed	None listed	None listed
Toll Collection agencies from which your agency receives freeway travel				
times derived from vehicles probes				
	None listed	None listed	short survey	None listed
reeway Incident Management Section				
Agencies your agency provides incident severity, location, and type info.  and/or shares infrastructure and/or coordinates operation				1
•				
Arterial Management Agencies  Provide Information				
Provide information				
	None listed	None listed	short survey	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation				
	None listed	None listed	None listed	None listed
Emergency Management Agencies	Tione noted	1 torio notos	14011C IIOCCU	110110 Hoteu

	Palisades In	terstate Park Commission	Transcom	
Agency Name	1999	2005	1999	2005
Provide Information				
	None listed	None listed	abort ourses	None listed
Share Infrastructure	None listed	None listed	short survey	None listet
Chare illinacticates				
	None listed	None listed	None listed	None listed
Coordinate Operation				
Freeway Management Agencies	None listed	None listed	None listed	None listed
Provide Information				
1 Tovide information				
	TRANSCOM	None listed	short survey	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed

	Palisados Ir	Palisades Interstate Park Commission		Transcom	
Aganay Nama	1999		1999	2005	
Agency Name Coordinate Operation	1999	2005	1999	2005	
Coordinate Operation					
	None listed	None listed	None listed	None listed	
Public Transit Operators					
Provide Information					
	None listed	None listed	short survey	None listed	
Share Infrastructure					
	None listed	None listed	None listed	None listed	
Coordinate Operation					
Description and the defendant of the description of	None listed	None listed	None listed	None listed	
Receiving real-time information via electronic means from others  Emergency Management agencies from which your agency receives					
incident clearance and/or incident severity and type					
mordent olearance and/or mordent severity and type					
Receive Arterial Incident Clearance Information	None listed	None listed	short survey	None listed	
			·		
Receive Arterial Incident Severity Information	None listed	None listed	None listed	None listed	
Arterial Management agencies from which your agency receives					
arterial travel times, speeds, and conditions					
	None listed	None listed	None listed	None listed	
Freeway Management agencies from which your agency receives	Tone listed	TTOTIC HOLEG	THORIC HOLCU	, toric listed	

	Palisades Interstate Park Commission			Transcom		
Agency Name	1999	1999 2005				
freeway travel times, speeds, and conditions						
	TRANSCOM	None listed	None listed	None listed		

<sup>\*</sup>short survey: Agency responded using a short survey. The survey did not include names of individual agencies, but only identified whether integration exists.

Appendix E Freeway Management Information Collection and Dissemination

	Connecticut Depar	Connecticut Department of Transportation(CT)		New Jersey Department of Transportation(NJ)		
Agency Name	1999	2005	1999	2005		
B + 10 - 0						
Agency Returned Survey?	Yes		Yes			
Freeway Management Section						
Data collected, archived, and/or transferred to another agency						
Collected by your agency			Traffic volumes, Route designations (snow emergency, etc.), Weather conditions, Incidents, Current work zones, Scheduled work zones, Emergency/evacuation routes and procedures, Highway operations	Traffic volumes, Traffic speeds, Lane occupancy, Vehicle classification, Probe vehicles, Road conditions, Intermodal (air,		
Archived by your agency	NR	NR	coordination information	rail, water) connections		
	NR	NR	Traffic volumes, Route designations (snow emergency, etc.), Weather conditions, Incidents, Current work zones, Scheduled work zones, Emergency/evacuation routes and procedures, Highway operations coordination information	Traffic volumes, Traffic speeds, Lane occupancy, Vehicle classification, Probe vehicles, Road conditions, Intermodal (air, rail, water) connections		

	Connecticut Department of Transportation(CT)			nt of Transportation(NJ)
Agency Name	1999	2005	1999	2005
Transferred to another agency by your agency				
	NR	NR	Route designations (snow emergency, etc.), Incidents, Current work zones, Scheduled work zones, Emergency/evacuation routes and procedures, Highway operations coordination information	Traffic volumes, Traffic speeds, Lane occupancy, Vehicle classification, Probe vehicles, Road conditions, Weather conditions, Intermodal (air, rail, water) connections
Importance of making information available to the public				, ,
Ranked High	NR		Traffic speeds, Road cond (snow emergency, etc.), W Incidents, Current work zo	
Ranked Medium	NR		Probe vehicles, Intermodal (air, rail, water) connections, Emergency/evacuation routes and	
Ranked Low	NR		Traffic volumes, Lane occulassification, Highway open information	
Groups that make requests for the data	NR information  Universities, State DOT personnel, Mostations, radio stations), MPOs, Const NR Advanced Traveler Information Syster		POs, Consultants,	

	Connecticut Department of Transportation(CT)		New Jersey Department of Transportation(NJ)	
Agency Name	1999	2005	1999	2005
What is the data used for?				
			Traffic analysis, Constructi	ion impost datarmination
	NR		Planning, Roadway impac	
Methods used to disseminate freeway information to the public	TWY		r idining, reduring impac	analysis
Technologies your agency uses to disseminate:				
			Telephone system,	
			Pagers or personal data	
	D		assistants, E-mail or other	
	Pagers or personal data assistants	NR	direct PC communication, Facsimile	Internet Web sites
Technologies your agency (through another agency or org.) uses to disseminate:	assistants	INIX	i acsimile	internet web sites
Treatmongree your agency (amough another agency of org.) acces to discommute.				
			Telephone system, E-mail	Internet Web sites, Pagers
			or other direct PC	or personal data
	NR	NR	communication, Facsimile	assistants, Kiosks
Internet web site reporting freeway conditions				
	NR		NR	
Telephone system for reporting freeway information to the public	NR		NR	
Organizations your agency sends information for dissemination to the public				
			TDANIGOOM	
			TRANSCOM	d incident data)
			NJ TMAs (construction and incident data) Media (incident data via telephone call)	
			SmartRoute (construction and incident data)	
			Metro Traffic (incident via telephone call)	
	NR		Shadow Traffic (incident vi	
Freeway Incident Management Section				
Methods used to distribute incident location and severity information				
to the public				

	Connecticut Department of Transportation(CT)		New Jersey Departme	New Jersey Department of Transportation(NJ)	
Agency Name	1999	2005	1999	2005	
Technologies your agency uses to disseminate:					
	Pagers or personal data assistants	Kiosks	Telephone system, Internet Web sites, Kiosks	Internet Web sites, Kiosks	
Technologies your agency (through another agency or org.) uses to disseminate:	NO	ND	Telephone system,	Internet Web sites,	
	NR	NR	Internet Web sites, Kiosks	KIOSKS, KIOSKS	
Internet web site reporting incident information	NR		NR		
Telephone system for reporting incident information to the public	NR		NR		
Organizations your agency sends information for dissemination to the public	NR		TRANSCOM NJ TMAs (construction and incident data) Media (incident data via telephone call) SmartRoute (construction and incident data) Metro Traffic (incident via telephone call) Shadow Traffic (incident via telephone call)		

	New Jersey Highway Authority(NJ)		New Jersey Turnpike Authority(NJ)		
Agency Name	1999	2005	1999	2005	
Agency Returned Survey?	Yes		Yes		
Freeway Management Section					
Data collected, archived, and/or transferred to another agency					
Collected by your agency	Traffic volumes, Traffic speeds, Vehicle classification, Current work zones, Scheduled work zones, Emergency/evacuation routes and procedures, Highway operations		conditions, Incidents, Current work zones, Scheduled work zones, Emergency/evacuation routes and procedures, Highway operations	Traffic volumes, Traffic speeds, Lane occupancy, Vehicle classification, Probe vehicles, Road conditions, Route designations (snow emergency, etc.), Weather conditions, Incidents, Current work zones, Scheduled work zones, Emergency/evacuation routes and procedures, Highway operations	
Archived by your agency	Traffic volumes	NR	Traffic volumes, Traffic speeds, Lane occupancy, Vehicle classification, Road conditions, Route designations (snow emergency, etc.), Weather conditions, Incidents, Current work zones, Scheduled work zones, Emergency/evacuation routes and procedures, Highway operations coordination information	Traffic volumes, Road conditions, Route designations (snow emergency, etc.), Weather conditions, Incidents, Current work zones, Scheduled work zones, Emergency/evacuation routes and procedures, Highway operations coordination information	

	New Jersey Highway Authority(NJ)		New Jersey Turn	pike Authority(NJ)
Agency Name	1999	2005	1999	2005
Transferred to another agency by your agency				
	) A / 4			
	Weather conditions, Incidents, Current work			
	zones, Scheduled work			
	zones	NR	NR	NR
Importance of making information available to the public				
Ranked High				
	Weather conditions, Incide	nto Current work zeneo	Traffic speeds, Road cond (snow emergency, etc.), W	
		nergency/evacuation routes	Incidents, Current work zo	
	and procedures, Highway of	operations coordination	zones, Emergency/evacua	tion routes and procedures,
Danked Medium	information		Highway operations coordination information	
Ranked Medium				
	ND		Vohiolo algosification	
Ranked Low	NR		Vehicle classification	
			Traffic volumes, Lane occupancy, Probe vehicles,	
	NR		Ramp queues, Ramp meter preemption's, Metering rate, Intermodal (air, rail, water) connections	
Groups that make requests for the data			isto, intorriodal (all, fall, v	atter, commoditions
	State DOT personnel, Fede	eral DOT personnel,	Universities, Federal DOT	personnel, State DOT
	Consultants, Advanced Tra	aveler Information Systems	personnel, Media (I.e., TV	
	(ATIS) provi		Consultants	

	New Jersey High	New Jersey Highway Authority(NJ)		New Jersey Turnpike Authority(NJ)	
Agency Name	1999	2005	1999	2005	
What is the data used for?					
	Planning, Incident detection algorithm development,		Traffic analysis, Construct Planning, Roadway impact the public	ion impact determination, it analysis, Dissemination to	
Methods used to disseminate freeway information to the public			•		
Technologies your agency uses to disseminate:					
Technologies your agency (through another agency or org.) uses to disseminate:	Internet Web sites, Telephone system  Pagers or personal data assistants	NR Kiosks	Telephone system, Internet Web sites, Cell phone/voice  Dedicated cable TV, Kiosks	Telephone system, Internet Web sites  Dedicated cable TV, Pagers or personal data assistants, Kiosks, E-mail or other direct PC communication, Cell phone/voice	
Internet web site reporting freeway conditions					
	NR		www.state.nj.us/turnpike		
Telephone system for reporting freeway information to the public	1-732-PARKWAY		800-336-5875		
Organizations your agency sends information for dissemination to the public	Transcom		Transcom Shadow Traffic Metro Traffic		
Freeway Incident Management Section					
Methods used to distribute incident location and severity information					
to the public					

	New Jersey Highway Authority(NJ)		New Jersey Turr	npike Authority(NJ)
Agency Name	1999	2005	1999	2005
Technologies your agency uses to disseminate:				
	NR	NR	Telephone system, E-mail or other direct PC communication	Telephone system, E-mail or other direct PC communication
Technologies your agency (through another agency or org.) uses to disseminate:	NR	NR	NR	Dedicated cable TV, Telephone system, Internet Web sites, Pagers or personal data assistants, E-mail or other direct PC communication, Facsimile
Internet web site reporting incident information				
	NR		NR	
Telephone system for reporting incident information to the public	NR		800-336-5875	
Organizations your agency sends information for dissemination to the public	NR		Transcom Metro Traffic Shadow Traffic	

	New York State DOT-Hudson Valley Region 8		New York State DOT-Long Island Region	
Agency Name	1999	2005	1999	2005
Agency Returned Survey?	V		V	
-	Yes		Yes	
Freeway Management Section				
Data collected, archived, and/or transferred to another agency				
Collected by your agency		Traffic volumes, Traffic speeds, Lane occupancy,		
	Road conditions, Weather conditions, Incidents, Current work zones.	Vehicle classification, Probe vehicles, Road conditions, Route designations (snow emergency, etc.), Weather conditions, Incidents, Current work zones, Scheduled work zones, Intermodal (air, rail, water) connections, Emergency/evacuation routes and procedures, Highway operations		
	Scheduled work zones	coordination information	Scheduled work zones	NR
Archived by your agency		Traffic volumes, Traffic speeds, Lane occupancy, Vehicle classification, Probe vehicles, Road conditions, Route designations (snow emergency, etc.), Weather conditions, Incidents, Current work zones, Scheduled work zones, Intermodal (air, rail, water) connections, Emergency/evacuation	Traffic volumes, Traffic	
	Road conditions, Current work zones, Scheduled work zones	routes and procedures, Highway operations coordination information	speeds, Current work zones, Incidents, Scheduled work zones	NR

		New York State DOT-Hudson Valley Region 8		Long Island Region 10
Agency Name	1999	2005	1999	2005
Transferred to another agency by your agency				
		Traffic volumes, Traffic		
		speeds, Lane occupancy,		
		Vehicle classification,		
		Probe vehicles, Road		
		conditions, Route		
		designations (snow		
		emergency, etc.), Weather conditions, Incidents,		
		Current work zones.		
		Scheduled work zones,		
		Intermodal (air, rail, water)		
		connections,		
		Emergency/evacuation		
		routes and procedures,	Traffic speeds, Current	
	Current work zones,	Highway operations coordination information	work zones, Incidents,	ND
Importance of making information available to the public	Scheduled work zones	coordination information	Scheduled work zones	NR
Ranked High				
Railkeu riigii				
	Traffic speeds, Road cond	itions, Route designations		
	(snow emergency, etc.), W			
	Incidents, Current work zon	· ·		
	zones, Intermodal (air, rail,		T " 1 0 1	
	Emergency/evacuation rou Highway operations coordi		Traffic speeds, Current work zones, Incidents, Scheduled work zones	
Ranked Medium	Highway operations coolui	nation information	Scheduled Work Zones	
Turnou modum				
Donked Low	Traffic volumes, Lane occu	ıpancy	NR	
Ranked Low				
	Vehicle classification, Probe vehicles, Ramp queues,			
	Ramp meter preemption's, Metering rate		Traffic volumes	
Groups that make requests for the data				
	State DOT personnel, Med	lia (I.e., TV stations. radio	Universities, State DOT pe	rsonnel, Media (I.e., TV
	stations), MPOs, Advanced		stations, radio stations), Co	
	Systems (ATIS) provi		Traveler Information Syste	

	New York State DOT-	Hudson Valley Region 8	New York State DOT	-Long Island Region 10	
Agency Name	1999	2005	1999	2005	
What is the data used for?				•	
	Planning, Dissemination to	the public	Traffic analysis, Planning,	Dissemination to the public	
Methods used to disseminate freeway information to the public					
Technologies your agency uses to disseminate:					
Technologies your agency (through another agency or org.) uses to disseminate:	Telephone system, Internet Web sites, Pagers or personal data assistants, Kiosks, E-mail or other direct PC communication, Cell phone/voice, Facsimile	Internet Web sites, Pagers or personal data assistants, Kiosks, E-mail or other direct PC communication, In-vehicle navigation systems, Cell phone/voice, Cell phone/data, Facsimile		Internet Web sites	
	Telephone system, Internet Web sites, Pagers or personal data assistants, Kiosks	Dedicated cable TV, Internet Web sites, Pagers or personal data assistants, Kiosks	Dedicated cable TV, Internet Web sites	NR	
Internet web site reporting freeway conditions	www.hudsonvalleytraveler. www.dot.state.ny.us	com	www.metrocommute.com		
Telephone system for reporting freeway information to the public	Active in Fall 1999		NR		
Organizations your agency sends information for dissemination to the public	Transcom Metro Networks Smart Route Systems Metro Commute NYS Thruway Authority Westchester County DPW Westchester County DOT NYS Police		Transcom Metro Traffic Shadow Traffic Cablevision Various Radio Stations		
Freeway Incident Management Section					
Methods used to distribute incident location and severity information					
to the public					

			Now York State DOT Long Island Region 10			
Agency Name	New York State DOT-F	Hudson Valley Region 8 2005	New York State DOT-Long Island Region 1 1999 2005			
Technologies your agency uses to disseminate:	1999	2005	1999	2005		
	Telephone system, Internet Web sites, Pagers or personal data assistants, Kiosks, E-mail or other direct PC communication, Cell phone/voice, Cell phone/data, Facsimile	Internet Web sites, Pagers or personal data assistants, Kiosks, E-mail or other direct PC communication, Cell phone/voice, Cell		Internet Web sites		
Technologies your agency (through another agency or org.) uses to disseminate:	Dedicated cable TV, Telephone system, Internet Web sites, Pagers or personal data assistants, Kiosks, E-mail or other direct PC communication, Cell phone/voice, Cell	. ,	Dedicated cable TV,	NR		
Internet web site reporting incident information	I-Travel MDI www.hudsonvalleytraveler.			n		
Telephone system for reporting incident information to the public	Fall of 1999		NR			
Organizations your agency sends information for dissemination to the public	Transcom Metro Networks	Transcom				

Aganay Nama		Thruway Authority		e Park Commission	
Agency Name	1999	2005	1999	2005	
Agency Returned Survey?	· · · · · · · · · · · · · · · · · · ·		V		
	Yes		Yes		
Freeway Management Section					
Data collected, archived, and/or transferred to another agency  Collected by your agency					
	Vehicle classification, Probe vehicles, Ramp queues, Route designations (snow emergency, etc.), Weather conditions, Incidents, Current work zones, Scheduled work zones, Emergency/evacuation routes and procedures,	Traffic volumes, Traffic speeds, Lane occupancy, Vehicle classification, Probe vehicles, Ramp queues, Route designations (snow emergency, etc.), Weather conditions, Incidents, Current work zones, Scheduled work zones, Emergency/evacuation routes and procedures, Highway operations coordination information	Incidents, Current work zones, Scheduled work zones	NR	
	vehicles, Ramp queues, Route designations (snow emergency, etc.), Weather conditions, Incidents, Current work zones, Scheduled work zones, Emergency/evacuation routes and procedures,	Traffic volumes, Traffic speeds, Vehicle classification, Probe vehicles, Ramp queues, Route designations (snow emergency, etc.), Weather conditions, Incidents, Current work zones, Scheduled work zones, Emergency/evacuation routes and procedures, Highway operations coordination information	NR	NR	

	New York State	Thruway Authority	Palisades Interstate Park Commission			
Agency Name	1999	1999 2005		2005		
Transferred to another agency by your agency						
	emergency, etc.), Weather conditions, Incidents, Current work zones, Scheduled work zones, Emergency/evacuation routes and procedures,	Traffic speeds, Probe vehicles, Ramp queues, Route designations (snow emergency, etc.), Weather conditions, Incidents, Current work zones, Scheduled work zones, Emergency/evacuation routes and procedures, Highway operations coordination information	NR	NR		
Importance of making information available to the public						
Ranked High	Traffic speeds, Probe vehic designations (snow emerge conditions, Incidents, Curre work zones, Emergency/ev procedures, Highway opera information	ency, etc.), Weather ent work zones, Scheduled racuation routes and	Incidents			
Ranked Medium						
Donkod Low	NR		Current work zones, Sched	duled work zones		
Ranked Low	Traffic volumes, Vehicle cla	assification	NR			
Groups that make requests for the data						
	Universities, State DOT pe stations, radio stations), MI Advanced Traveler Informa	rsonnel, Media (I.e., TV POs, Consultants, ation Systems (ATIS) provi	State DOT personnel, Med stations)	lia (I.e., TV stations, radio		

	New York State <sup>-</sup>	Thruway Authority	Palisades Interstate Park Commission		
Agency Name	1999	2005	1999	2005	
What is the data used for?					
	Traffic analysis, Construction				
	Planning, Incident detection				
NA. 4h - da - cond 4 - dia - contra 4 - for constitution and the condition	Roadway impact analysis,	Dissemination to the public	Planning, Dissemination to	the public	
Methods used to disseminate freeway information to the public					
Technologies your agency uses to disseminate:					
	l		Telephone system,		
	Telephone system, Internet Web sites, Kiosks	Telephone system, Internet Web sites, Kiosks	Pagers or personal data assistants	NR	
Tachnologica your agancy /through another agancy or arg \ uses to discominate.	internet web sites, Klosks	internet web sites, Klosks	assisianis	INK	
Technologies your agency (through another agency or org.) uses to disseminate:					
		l			
		Internet Web sites, Pagers			
	Pagers or personal data assistants, Kiosks,	or personal data assistants, Kiosks,			
	Facsimile	Facsimile	NR	NR	
Internet web site reporting freeway conditions	i dosimio	T doominio	TUT	1111	
mioritot vob otto roporating moontay containents					
	www.thruway.state.ny.us		NR		
Telephone system for reporting freeway information to the public	1-800-Thruway		201.768.6001		
Organizations your agency sends information for dissemination to the public					
	Transcom		TRANSCOM		
Freeway Incident Management Section					
Methods used to distribute incident location and severity information					

	New York State	New York State Thruway Authority		Palisades Interstate Park Commission				
Agency Name	1999 2005		1999	2005				
Technologies your agency uses to disseminate:								
			Telephone system,					
	NR	NR	Pagers or personal data assistants	NR				
Technologies your agency (through another agency or org.) uses to disseminate:	INIX	INIX	assistants	INIX				
reclinologies your agency (unrough another agency or org.) uses to disserninate.								
	NR	NR	NR	NR				
Internet web site reporting incident information								
	NR		NR					
Telephone system for reporting incident information to the public	NR		201.768.6001					
Organizations your agency sends information for dissemination to the public								
	NR		Transcom					

	Te	anscom
Agency Name	1999	2005
Agency Returned Survey?	Yes	
Freeway Management Section		
Data collected, archived, and/or transferred to another agency		
Collected by your agency		
	NR	NR
Archived by your agency		
	NR	NR

		Transcom
Agency Name	1999	Transcom 2005
Transferred to another agency by your agency		
	NR	NR
Importance of making information available to the public		
Ranked High		
	NR	
Ranked Medium		
	NR	
Ranked Low	INIX	
Groups that make requests for the data	NR	
Stoups that make requests for the data		
	NR	

	Tra	Transcom		
Agency Name	1999	2005		
What is the data used for?				
	ND			
Mathada was discoming to frequency information to the multip	NR			
Methods used to disseminate freeway information to the public				
Technologies your agency uses to disseminate:				
	Pagers or personal data assistants, Kiosks	Dedicated cable TV, Telephone system, Internet Web sites, Pagers or personal data assistants, Interactive TV, Kiosks, E-mail or other direct PC communication, In-vehicle navigation systems		
Technologies your agency (through another agency or org.) uses to disseminate:				
	NR	NR		
Internet web site reporting freeway conditions				
	NR			
Telephone system for reporting freeway information to the public	NR			
Organizations your agency sends information for dissemination to the public	ND			
Francisco Instident Monorcoment Costion	NR			
Freeway Incident Management Section				
Methods used to distribute incident location and severity information				
to the public				

	Transcom				
Agency Name	1999	2005			
Technologies your agency uses to disseminate:					
	Pagers or personal data assistants, Kiosks	Dedicated cable TV, Telephone system, Internet Web sites, Pagers or personal data assistants, Interactive TV, Kiosks, E-mail or other direct PC communication, In-vehicle navigation systems			
Technologies your agency (through another agency or org.) uses to disseminate:					
	NR	NR			
Internet web site reporting incident information		<u></u>			
	NR				
Telephone system for reporting incident information to the public	NR				
Organizations your agency sends information for dissemination to the public	NR				

Appendix F Arterial Management Components

		_	_					
		n Town	Bayonne City(NJ)		Bergen County(NJ)		Bridgeport City(CT)	
	1999	2005	1999	2005	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes		Yes		Yes	
ARTERIAL MANAGEMENT SECTION								
Number of arterial miles that agency owns or maintains	NR		130		NR		150	
Number of arterial miles that is used for planning	NR		130		NR		200	
Number of highway-rail intersections that agency maintains	NR		12		NR		5	
Number of highway-rail intersections that is used for planning	NR		0		NR		0	
Type of facilities used to conduct arterial management activities								
Activities housed in a free-standing dedicated building?	No		No		No		No	
Activities housed in a building shared with other activities?	No		No		No		Yes	
Activities conducted in a dedicated control room?	No		No		No		Yes	
Control room contains operator console(s)?	No		No		No		Yes	
Control room contains electronic wall map?	No		No		No		No	
Control room contains CCTV display(s)?	No		No		No		Yes	
Activities conducted in a room containing workstations or PCs that manage traffic?	No		Yes		No		No	
Facilities are electronically linked to other transportation mgt facilities?	No		No		No		Yes	
Staffing and hours of operation of arterial management activities								
Number of full-time agency staff members	NR		NR		NR		8	
Number of full time contractor staff members	NR		NR		NR		0	
Number of part-time agency staff members	NR		NR		NR		NR	
Number of part-time contractor staff members	NR		NR		NR		NR	
Staffed 24 hours day by agency staff or by others	NR		NR		NR		NR	
Staffed during peak hours only by agency staff or by others	NR		NR		NR		NR	
Staffed by others during off-peak hours	No		No		No		No	
Agency staff perform transportation management as an ancillary duty	No		No		No		No	
Agency staff dedicated to transportation management duty	No		No		No		Yes	
Types of operations conducted for arterial management								
Incident detection and management?	No		No		No		Yes	
This metropolitan area?	No		No		No		Yes	
Other metropolitan area?	No		No		No		No	
Monitoring and troubleshooting status of system components?	No		No		No		Yes	
Radio communications with other agencies?	No		No		No		Yes	
Exchange of electronic data with other agencies such as computer aided dispatch?	No		No		No		No	
Manual override of traffic signal timing plans	No		No		No		Yes	
Operating transportation mgt roadside devices (e.g., VMS, CCTV, etc.)	No		No		No		Yes	

		on Town	1 1	Bayonne City(NJ)		Bergen County(NJ)		rt City(CT)		
	1999	2005	1999	2005	1999	2005	1999	2005		
Describe agency's role in traffic signal control		All roads in county except state routes		All roads in county except State routes only area except state and		pt State routes only		All roads in incorporated area except state and county routes		in county
Traffic Signals Operated by Agency										
Number of signalized intersections operated and owned by agency	38	44	115	125	333	350	260	290		
Number of signalized intersections operated by agency but owned by another	2	3	0	0	NR	NR	470	530		
Total number of signalized intersections operated by agency	40	47	115	125	333	350	730	820		
Characteristics of signalized intersections that agency operates		<del>† "</del>		1.20	300	1	. 50	320		
Under closed loop or central system control	32	38	17	NR	262	300	730	820		
Under real-time traffic adaptive control using advanced software	0	0	0	NR	0	0	0	NR		
Using SCOOT	No		No	1417	No		No	IVIX		
Using SCATS	No		No		No		No			
Name of software		NR		NR	NR		NR			
Allow signal preemption for emergency vehicles	2	4	5	NR	12	40	26	28		
Allow signal priority for transit vehicles	0	0	0	NR	0	0	0	200		
Within 200 feet of a highway-rail intersection	0	0	1	NR	0	0	6	6		
Within 200 feet of a highway-rail intersection that adjust signal timing	0	0	1	NR	8	8	3	3		
Software used to control the signals agency operates										
Date of last upgrade to traffic signal control system software?		NR	19	998	WAPITI 49A 1999		11/98 Y2K patches			
How often do you update signal timing?	ADT's to IT	ΓE Handbook		as needed ctate	3 years or when construction warrants it		as needed basis			
Software used and number of signalized intersections under control (1999, 2005)	1	NR PEEK SMARTWAYS, 17, 0 WAPITI 49A, Traffic for Closed Loop, NR		' '		Peek CL MATS, 0, 27 PEEK SMARTWAYS, 17, 0 WAI		NR A, Traffic View	Eagle Comti	rac, 730, 820
Controllers used to control signals										
NEMA	40	47	115	NR	0	0	730	820		
170/179	0	0	0	0	0	0	0	0		
2070 controller	0	0	0	0	0	0	0	0		
Other	0	0	0	0	0	0	0	0		
Technologies Associated with Highway-Rail Intersections										

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	Dahad	<b>T</b>	Davis	- O:+ -/N I I)	D	S	Delderses	+ O'+ (OT)
	1999	on Town 2005	1999	2005	1999	2005	1999	rt City(CT) 2005
Total number of highway-rail intersections under electronic surveillance	NR	NR	NR	NR	NR	NR	0	3
Highway-Rail intersection capapbilities	INIX	INIX	INIX	INIX	INIX	INIX	0	3
Video surveillance	0	0	0	0	0	0	0	3
Electronic surveillance other than video	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Ability to predict train arrival electronically		_		_	_	0		-
Equipped with electronic traffic violator devices	0	0	0	0	0	ŭ	0	0
Other The Control of	0	0	0	0	0	0	0	0
Real-Time Electronic Traffic Data Collection Technologies		<u> </u>			L			
Total number of signalized intersections covered by electronic surveillance	NR	NR	NR	NR	NR	30	200	500
Number of signalized intersections with data collection technologies				_				
Loop detectors	0	0	0	0	NR	20	200	500
Video detection cameras	0	0	0	0	NR	10	85	200
Probe readers reading toll tags	0	0	0	0	0	0	0	0
Probe readers reading license plates	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Roadside Technologies used to Distribute Traveler Information								
Number deployed								
Highway Advisory Radio	NR	NR	NR	NR	NR	5	12	12
In-Vehicle Signing (IVS)	NR	NR	NR	NR	NR	NR	0	0
VMS controlling parking access	NR	NR	NR	NR	NR	NR	0	0
Miles covered								
Highway Advisory Radio	NR	NR	NR	NR	NR	NR	50	50
In-Vehicle Signing (IVS)	NR	NR	NR	NR	NR	NR	NR	NR
Variable Message Signs (VMS) on Arterials								
Candidate locations for deployment of VMS where VMS has been deployed	NR	NR	NR	NR	0	14	NR	NR
Candidate locations for deployment of VMS	NR	NR	NR	NR	NR	19	NR	NR
Communication Technologies					†			
Signalized intersections communicated with by each type of communication								
Twisted pair cable	0	0	17	17	250	300	671	570
Coaxial cable	0	0	0	0	0	0	0	0
Fiber-optic cable	0	0	NR	10	0	0	16	200
Other (e.g., wireless, dial-up modems, leased lines, etc.)	0	0	17	27	0	0	43	50
Does agency convey information on highway-rail intersection crossing		<u> </u>	17			Ü	40	- 00
status to travelers via roadside media such as VMS or HAR?	No		No		No		No	
ITS Standards Used Related to Traffic Signal Control	140		140		110		140	
Advanced Transportation Controller (ATC) Software Application Interface (ITE 9603-1)	No		No		No		No	
ATC Physical Cabinet Functional Design (ITE-9603-2)	No		No		No		No	
ATC Physical Cabinet Functional Design (TE-9603-2)  ATC Functionality and Interface Definitions (ITE-9603-3)	No		No		No		No	
Natl. Trans. Communications for ITS Protocol (NTCIP) Class B Profile (AASHTO TS 3.3)	No		No		No		No	
NTCIP Data Collection and Monitoring Devices (AASHTO TS 3.3)	No							
			No		No		No	
NTCIP Object Definitions for Video Camera Control (AASHTO TS 3.VCC)	No		No		No		No	
NTCIP Object Definitions for Actuated Traffic Signal Controller Units (AASHTO TS 3.5)	No		No		No		No	

			ı				I	
	Babylo	n Town	Bayonne	City(NJ)	Bergen C	County(NJ)	Bridgepor	t City(CT)
	1999	2005	1999	2005	1999	2005	1999	2005
Would agency be willing to participate in testing of ITS Standards?	Yes		Yes		NR		No	
Have agreements in place with other agencies to use similar hardware								
and software to aid maintenance and interoperability?	No		Yes		Yes		Yes	
INCIDENT MANAGEMENT ON ARTERIAL STREETS								
Receive information on highway-rail intersection crossing blockages for								
the purpose of managing incident response?	No		No		No		Yes	
Use of Service Patrols to Assist in Detection and Response to Incidents								
Publicly operated service patrol vehicles	No		No		No		Yes	
Privately operated service patrol vehicles operated under public contract	No		No		No		No	
Total number of arterial miles patrolled by these services	NR	NR	NR	NR	NR	NR	0	50
Miles Covered by Methods to Detect and Verify Incidents								
Free cellular phone call to a dedicated phone number other than 911	0	0	0	0	0	0	0	0
Free cellular phone call to an area radio station	0	0	0	0	0	0	0	0
Police patrols	500	500	0	0	0	0	200	200
Computer algorithms linked to traffic surveillance equipment	0	0	0	0	0	0	50	150
CCTV	0	0	0	0	0	0	85	200
Private sector sources (e.g., Shadow Traffic, Smart Routes)	0	0	0	0	0	0	200	200
Other	0	0	0	0	0	0	200	200
Procedures in place for Arterial Incident Response?								
Working agreement(s)/arrangement(s) with other agencies	No		Yes		Yes		Yes	
Inter-agency incident management admin. team that meets regularly	Yes		No		Yes		Yes	
Major incident response team that responds to major incidents	Yes		No		Yes		Yes	
Set of goals/objectives for incident mgt that has been adopted by agencies in region	No		No		No		Yes	
Methods of Communication Used On-Site at an Incident								
Police								
Two-way radio	No		No		No		Yes	
800 MHz trunked radio	No		No		No		No	
Cellular telephone	No		No		No		Yes	
Hand-held (i.e., walkie-talkie)	No		No		No		No	
Automated data systems (i.e., CAD)	No		No		No		No	
Other	No		No		No		Yes	
<u>Fire</u>								
Two-way radio	No		No		No		Yes	
800 MHz trunked radio	No		No		No		No	
Cellular telephone	No		No		No		No	
Hand-held (i.e., walkie-talkie)	No		No		No		No	
Automated data systems (i.e., CAD)	No		No		No		No	
Other	No		No		No		Yes	

		n Town	i	City(NJ)	i	County(NJ)		rt City(CT)
	1999	2005	1999	2005	1999	2005	1999	2005
<u>DOT</u>								
Two-way radio	Yes		No		No		Yes	
800 MHz trunked radio	No		No		No		No	
Cellular telephone	Yes		No		No		Yes	
Hand-held (i.e., walkie-talkie)	No		No		No		No	
Automated data systems (i.e., CAD)	No		No		No		No	
Other	No		No		No		Yes	
Towing								
Two-way radio	No		No		No		No	
800 MHz trunked radio	No		No		No		No	
Cellular telephone	No		No		No		No	
Hand-held (i.e., walkie-talkie)	No		No		No		No	
Automated data systems (i.e., CAD)	No		No		No		No	
Other	No		No		No		No	
Which police agencies typically respond to incidents on arterials?								
State Police	Yes		No		No		No	
County Police or Sheriff	Yes		No		No		Yes	
City Police	No		No		Yes		No	
Who provides on-site emergency medical response?								
Fire	No		No		No		Yes	
Emergency Management Service Agency	No		No		No		No	
Private hospital	Yes		No		No		No	
Has a multi-agency contact list been developed in area containing the								
names, phone numbers, etc. for the appropriate response personnel?	Yes		NR		Yes		DK	
Is the Incident Command System used to manage incident scenes?	DK		NR		Yes		DK	
Is there a legal specification by state law or formal agreement as to who								
is "in charge" at the incident scene?								
Specified by state law?	No		No		No		No	
Formal agreement?	No		No		No		No	
Not specified or don't know?	Yes		No		Yes		Yes	
On-scene command post used to manage activities of responding agencies?	DK		NR		Yes		Yes	
Are there communication linkages to a communications traffic/freeway mgt center?	NR		NR		Yes		Yes	
Plan developed and adopted by responding agencies for staging and parking								
response vehicles and equip. at incident site that minimizes lane blockage								
and facilitates the re-opening of lanes?	DK		NR		No		Yes	
Respondents protected through law or court opinion for liability claims								
for damages to vehicles or cargoes during clearance activities?	DK		NR		DK		DK	
Are overturned tank trucks, which are intact and not leaking, uprighted								
without first off-loading?	No		NR		Yes		No	

	Babylo	n Town	Bayonne	e City(NJ)	Bergen C	County(NJ)	Bridgepor	rt City(CT)
	1999	2005	1999	2005	1999	2005	1999	2005
Does your state or local jurisdiction have a law that requires drivers								
involved in property-damage-only accidents to move the vehicles								
from travel lanes to a safe location to exchange info and wait for police?	NR		NR		No		No	
Have laws or policies regarding the removal of stalled/abandoned vehicles								
from freeway shoulders?	NR		NR		No		Yes	
Hours abandoned vehicles are allowed to remain on a freeway shoulder?	NR		NR		DK		0-24	
Have policies or procedures for quick removal of vehicles?	NR		NR		No		Yes	
Is Total Station equipment used to investigate major incidents?	NR		NR		NR		NR	
Handling of Towing Responses to Incidents								
Formal contract based on qualifications?	No		No		No		No	
Rotation with companies under contract?	No		No		Yes		No	
Separate lists kept for light and heavy response and for specialty recovery?	NR		NR		NR		NR	
Rotation list with minimal qualifications?	No		No		No		Yes	
In towing qualifications, do you require towers to be certified under the								
Towing and Recovery Ass. of America's National Drivers Cert. Program?	DK		NR		Yes		No	
				_				
DK: Don't know								
NR: No Response								
Leg: Legislation or action being planned								

				Department of				
		City(NJ)		tation(CT)		ge City(NJ)		City(NJ)
	1999	2005	1999	2005	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes		Yes		Yes	
ARTERIAL MANAGEMENT SECTION								
Number of arterial miles that agency owns or maintains	NR		1,040		NR		NR	
Number of arterial miles that is used for planning	NR		1,040		NR		NR	
Number of highway-rail intersections that agency maintains	30		NR		NR		NR	
Number of highway-rail intersections that is used for planning	NR		NR		NR		NR	
Type of facilities used to conduct arterial management activities								
Activities housed in a free-standing dedicated building?	No		No		No		No	
Activities housed in a building shared with other activities?	No		No		No		No	
Activities conducted in a dedicated control room?	No		Yes		No		No	
Control room contains operator console(s)?	No		Yes		No		No	
Control room contains electronic wall map?	No		Yes		No		No	
Control room contains CCTV display(s)?	No		No		No		No	
Activities conducted in a room containing workstations or PCs that manage traffic?	No		Yes		No		No	
Facilities are electronically linked to other transportation mgt facilities?	No		No		No		No	
Staffing and hours of operation of arterial management activities								
Number of full-time agency staff members	NR		2		NR		NR	
Number of full time contractor staff members	NR		NR		NR		NR	
Number of part-time agency staff members	NR		NR		NR		NR	
Number of part-time contractor staff members	NR		NR		NR		NR	
Staffed 24 hours day by agency staff or by others	NR		NR		NR		NR	
Staffed during peak hours only by agency staff or by others	NR		NR		NR		NR	
Staffed by others during off-peak hours	No		No		No		No	
Agency staff perform transportation management as an ancillary duty	No		No		No		No	
Agency staff dedicated to transportation management duty	No		No		No		No	
Types of operations conducted for arterial management								
Incident detection and management?	No		No		No		No	
This metropolitan area?	No		No		No		No	
Other metropolitan area?	No		No		No		No	
Monitoring and troubleshooting status of system components?	No		No		No		No	
Radio communications with other agencies?	No		Yes		No		No	
Exchange of electronic data with other agencies such as computer aided dispatch?	No		No		No		No	
Manual override of traffic signal timing plans	No		Yes		No		No	
Operating transportation mgt roadside devices (e.g., VMS, CCTV, etc.)	No		No		No		No	

		City(NJ)	Connecticut Department of Transportation(CT)		East Orange City(NJ)		Elizabeth City(NJ)	
	1999	2005	1999	2005	1999	2005	1999	2005
Describe agency's role in traffic signal control	ı	NR		incorporated rea	ı	NR	N	R
Traffic Signals Operated by Agency								
Number of signalized intersections operated and owned by agency	NR	NR	291	NR	NR	NR	NR	NR
Number of signalized intersections operated by agency but owned by another	NR	NR	0	NR	NR	NR	NR	NR
Total number of signalized intersections operated by agency	139	155	291	NR	530	540	425	500
Characteristics of signalized intersections that agency operates			-					
Under closed loop or central system control	124	155	0	NR	518	528	15	25
Under real-time traffic adaptive control using advanced software	0	NR	NR	NR	0	NR	0	0
Using SCOOT	No		No		No		No	
Using SCATS	No		No		No		No	
Name of software	1	NR	١	IR	NR		N	R
Allow signal preemption for emergency vehicles	0	NR	NR	NR	5	9	425	500
Allow signal priority for transit vehicles	0	NR	NR	NR	0	NR	20	100
Within 200 feet of a highway-rail intersection	1	1	NR	NR	25	NR	20	25
Within 200 feet of a highway-rail intersection that adjust signal timing	1	1	NR	NR	25	NR	20	25
Software used to control the signals agency operates								
Date of last upgrade to traffic signal control system software?	1	NR	8/	/99	1	NR	NR	
How often do you update signal timing?		NR	all th	e time	1	NR	N	R
Software used and number of signalized intersections under control (1999, 2005)	NR		COMPUTRAN, 291, NR		NR		NR	
Controllers used to control signals								
NEMA	0	0	291	NR	0	0	0	0
170/179	0	0	0	0	0	0	0	0
2070 controller	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Technologies Associated with Highway-Rail Intersections								

	Clifton	City(NJ)		Department of tation(CT)	Fast Oran	ge City(NJ)	Flizaheth	n City(NJ)
	1999	2005	1999	2005	1999	2005	1999	2005
Total number of highway-rail intersections under electronic surveillance	NR	NR	NR	NR NR	NR	NR	NR	NR
Highway-Rail intersection capapbilities		1	1111	1111				
Video surveillance	0	0	0	0	0	0	0	0
Electronic surveillance other than video	0	0	0	0	0	0	0	0
Ability to predict train arrival electronically	0	0	0	0	0	0	0	0
Equipped with electronic traffic violator devices	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Real-Time Electronic Traffic Data Collection Technologies	, ,	<del> </del>	<del>                                     </del>	Ů		<u> </u>		Ŭ
Total number of signalized intersections covered by electronic surveillance	NR	NR	NR	NR	NR	NR	NR	NR
Number of signalized intersections with data collection technologies		1	1111	1111				
Loop detectors	0	0	0	0	0	0	0	0
Video detection cameras	0	0	0	0	0	0	0	0
Probe readers reading toll tags	0	0	0	0	0	0	0	0
Probe readers reading license plates	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Roadside Technologies used to Distribute Traveler Information				-				
Number deployed								
Highway Advisory Radio	NR	NR	NR	NR	NR	NR	NR	NR
In-Vehicle Signing (IVS)	NR	NR	NR	NR	NR	NR	NR	NR
VMS controlling parking access	NR	NR	NR	NR	NR	NR	NR	NR
Miles covered								
Highway Advisory Radio	NR	NR	NR	NR	NR	NR	NR	NR
In-Vehicle Signing (IVS)	NR	NR	NR	NR	NR	NR	NR	NR
Variable Message Signs (VMS) on Arterials								
Candidate locations for deployment of VMS where VMS has been deployed	10	NR	NR	3	NR	NR	NR	NR
Candidate locations for deployment of VMS	10	NR	NR	NR	NR	NR	NR	NR
Communication Technologies								
Signalized intersections communicated with by each type of communication								
Twisted pair cable	0	0	0	0	0	0	0	0
Coaxial cable	0	0	0	0	0	0	0	0
Fiber-optic cable	0	0	0	0	0	0	0	0
Other (e.g., wireless, dial-up modems, leased lines, etc.)	0	0	291	0	0	0	0	0
Does agency convey information on highway-rail intersection crossing								
status to travelers via roadside media such as VMS or HAR?	No		No		No		No	
ITS Standards Used Related to Traffic Signal Control								
Advanced Transportation Controller (ATC) Software Application Interface (ITE 9603-1)	No		No		No		No	
ATC Physical Cabinet Functional Design (ITE-9603-2)	No		No		No		No	
ATC Functionality and Interface Definitions (ITE-9603-3)	No		No		No		No	
Natl. Trans. Communications for ITS Protocol (NTCIP) Class B Profile (AASHTO TS 3.3)	No		No		No		No	
NTCIP Data Collection and Monitoring Devices (AASHTO TS 3.DCM)	No		No		No		No	
NTCIP Object Definitions for Video Camera Control (AASHTO TS 3.VCC)	No		No		No		No	
NTCIP Object Definitions for Actuated Traffic Signal Controller Units (AASHTO TS 3.5)	No		No		No		No	

	Cliffo	Citv(NJ)		Department of	East Orange City(NJ)		Climate add	- City (NIII)
	1999	2005	1999	tation(CT)	1999	2005	1999	2005
Would agency be willing to participate in testing of ITS Standards?	NR	2005	No.	2005	NR	2005	NR	2005
Have agreements in place with other agencies to use similar hardware	1413		140		1414		IVIX	
and software to aid maintenance and interoperability?	NR		Yes		NR		NR	
INCIDENT MANAGEMENT ON ARTERIAL STREETS			100					
Receive information on highway-rail intersection crossing blockages for								
the purpose of managing incident response?	No		No		No		No	
Use of Service Patrols to Assist in Detection and Response to Incidents								
Publicly operated service patrol vehicles	No		No		No		No	
Privately operated service patrol vehicles operated under public contract	No		No		No		No	
Total number of arterial miles patrolled by these services	NR	NR	NR	NR	NR	NR	NR	NR
Miles Covered by Methods to Detect and Verify Incidents								
Free cellular phone call to a dedicated phone number other than 911	0	0	0	0	0	0	0	0
Free cellular phone call to an area radio station	0	0	0	0	0	0	0	0
Police patrols	0	0	0	0	0	0	0	0
Computer algorithms linked to traffic surveillance equipment	0	0	0	0	0	0	0	0
CCTV	0	0	0	0	0	0	0	0
Private sector sources (e.g., Shadow Traffic, Smart Routes)	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Procedures in place for Arterial Incident Response?								
Working agreement(s)/arrangement(s) with other agencies	No		No		No		No	
Inter-agency incident management admin. team that meets regularly	No		No		No		No	
Major incident response team that responds to major incidents	No		No		No		No	
Set of goals/objectives for incident mgt that has been adopted by agencies in region	No		No		No		No	
Methods of Communication Used On-Site at an Incident								
Police								
Two-way radio	No		No		No		No	
800 MHz trunked radio	No		No		No		No	
Cellular telephone	No		No		No		No	
Hand-held (i.e., walkie-talkie)	No		No		No		No	
Automated data systems (i.e., CAD)	No		No		No		No	
Other	No		No		No		No	
<u>Fire</u>								
Two-way radio	No		No		No		No	
800 MHz trunked radio	No		No		No		No	
Cellular telephone	No		No		No		No	
Hand-held (i.e., walkie-talkie)	No		No		No		No	
Automated data systems (i.e., CAD)	No		No		No		No	
Other	No		No		No		No	

			Connecticut I	Department of				
	Clifton	City(NJ)		tation(CT)	East Oran	ge City(NJ)	Elizabeth	n City(NJ)
	1999	2005	1999	2005	1999	2005	1999	2005
DOT								
Two-way radio	No		No		No		No	
800 MHz trunked radio	No		No		No		No	
Cellular telephone	No		No		No		No	
Hand-held (i.e., walkie-talkie)	No		No		No		No	
Automated data systems (i.e., CAD)	No		No		No		No	
Other	No		No		No		No	
Towing								
Two-way radio	No		No		No		No	
800 MHz trunked radio	No		No		No		No	
Cellular telephone	No		No		No		No	
Hand-held (i.e., walkie-talkie)	No		No		No		No	
Automated data systems (i.e., CAD)	No		No		No		No	
Other	No		No		No		No	
Which police agencies typically respond to incidents on arterials?					-		-	
State Police	No		No		No		No	
County Police or Sheriff	No		No		No		No	
City Police	No		No		No		No	
Who provides on-site emergency medical response?								
Fire	No		No		No		No	
Emergency Management Service Agency	No		No		No		No	
Private hospital	No		No		No		No	
Has a multi-agency contact list been developed in area containing the								
names, phone numbers, etc. for the appropriate response personnel?	NR		NR		NR		NR	
Is the Incident Command System used to manage incident scenes?	NR		NR		NR		NR	
Is there a legal specification by state law or formal agreement as to who								
is "in charge" at the incident scene?								
Specified by state law?	No		No		No		No	
Formal agreement?	No		No		No		No	
Not specified or don't know?	No		No		No		No	
On-scene command post used to manage activities of responding agencies?	NR		NR		NR		NR	
Are there communication linkages to a communications traffic/freeway mgt center?	NR		NR		NR		NR	
Plan developed and adopted by responding agencies for staging and parking								
response vehicles and equip. at incident site that minimizes lane blockage								
and facilitates the re-opening of lanes?	NR		NR		NR		NR	_
Respondents protected through law or court opinion for liability claims								
for damages to vehicles or cargoes during clearance activities?	NR		NR		NR		NR	
Are overturned tank trucks, which are intact and not leaking, uprighted								
without first off-loading?	NR		NR		NR		NR	

	Clifton	City(NJ)		Connecticut Department of Transportation(CT)		East Orange City(NJ)		n City(NJ)
	1999	2005	1999	2005	1999	2005	1999	2005
Does your state or local jurisdiction have a law that requires drivers								
involved in property-damage-only accidents to move the vehicles								
from travel lanes to a safe location to exchange info and wait for police?	NR		NR		NR		NR	
Have laws or policies regarding the removal of stalled/abandoned vehicles								
from freeway shoulders?	NR		NR		NR		NR	
Hours abandoned vehicles are allowed to remain on a freeway shoulder?	NR		NR		NR		NR	
Have policies or procedures for quick removal of vehicles?	NR		NR		NR		NR	
Is Total Station equipment used to investigate major incidents?	NR		NR		NR		No	
Handling of Towing Responses to Incidents								
Formal contract based on qualifications?	No		No		No		No	
Rotation with companies under contract?	No		No		No		No	
Separate lists kept for light and heavy response and for specialty recovery?	NR		NR		NR		NR	
Rotation list with minimal qualifications?	No		No		No		No	
In towing qualifications, do you require towers to be certified under the								
Towing and Recovery Ass. of America's National Drivers Cert. Program?	NR		NR		NR		NR	
DK: Don't know								
NR: No Response								
Leg: Legislation or action being planned					_			

	Fairfield	Town(CT)	Greenbu	ırgh Town	Greenwich	n Town(CT)	Hudson C	County(NJ)
	1999	2005	1999	2005	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes		Yes		Yes	
ARTERIAL MANAGEMENT SECTION								
Number of arterial miles that agency owns or maintains	60		NR		NR		110	
Number of arterial miles that is used for planning	0		NR		NR		NR	
Number of highway-rail intersections that agency maintains	3		NR		NR		30	
Number of highway-rail intersections that is used for planning	0		NR		NR		NR	
Type of facilities used to conduct arterial management activities								
Activities housed in a free-standing dedicated building?	Yes		No		No		No	
Activities housed in a building shared with other activities?	Yes		No		No		Yes	
Activities conducted in a dedicated control room?	Yes		No		No		No	
Control room contains operator console(s)?	No		No		No		No	
Control room contains electronic wall map?	No		No		No		No	
Control room contains CCTV display(s)?	No		No		No		No	
Activities conducted in a room containing workstations or PCs that manage traffic?	Yes		No		Yes		Yes	
Facilities are electronically linked to other transportation mgt facilities?	Yes		No		No		No	
Staffing and hours of operation of arterial management activities								
Number of full-time agency staff members	8		NR		NR		2	
Number of full time contractor staff members	NR		NR		NR		NR	
Number of part-time agency staff members	0		NR		NR		NR	
Number of part-time contractor staff members	NR		NR		NR		NR	
Staffed 24 hours day by agency staff or by others	agency		NR		NR		NR	
Staffed during peak hours only by agency staff or by others	NR		NR		NR		agency	
Staffed by others during off-peak hours	No		No		No		No	
Agency staff perform transportation management as an ancillary duty	No		No		Yes		No	
Agency staff dedicated to transportation management duty	No		No		No		No	
Types of operations conducted for arterial management								
Incident detection and management?	Yes		No		No		No	
This metropolitan area?	Yes		No		No		No	
Other metropolitan area?	No		No		No		No	
Monitoring and troubleshooting status of system components?	Yes		No		No		Yes	
Radio communications with other agencies?	No		No		No		No	
Exchange of electronic data with other agencies such as computer aided dispatch?	No		No		No		No	
Manual override of traffic signal timing plans	Yes		No		No		No	
Operating transportation mgt roadside devices (e.g., VMS, CCTV, etc.)	Yes		No		No		No	

	Fairfield	Town(CT)	Greenbu	urgh Town	Greenwic	h Town(CT)	Hudson C	County(NJ)
	1999	2005	1999	2005	1999	2005	1999	2005
Describe agency's role in traffic signal control	State ro	outes only		gnals on state rned roadways		county except routes		incorporated state routes
Traffic Signals Operated by Agency								
Number of signalized intersections operated and owned by agency	240	NR	50	100	28	43	283	295
Number of signalized intersections operated by agency but owned by another	15	NR	2	2	1	5	NR	NR
Total number of signalized intersections operated by agency	255	NR	50	100	29	48	283	295
Characteristics of signalized intersections that agency operates								
Under closed loop or central system control	85	100	0	100	0	0	85	100
Under real-time traffic adaptive control using advanced software	0	0	NR	NR	0	0	0	NR
Using SCOOT	No	Ů	No		No		No	
Using SCATS	No		No		No		No	
Name of software		NR	1	NR	1	VR	N	IR
Allow signal preemption for emergency vehicles	235	250	50	100	29	48	75	NR
Allow signal priority for transit vehicles	23	23	NR	NR	29	48	0	NR
Within 200 feet of a highway-rail intersection	7	7	0	0	0	0	10	NR
Within 200 feet of a highway-rail intersection that adjust signal timing	7	7	NR	NR	0	0	10	NR
Software used to control the signals agency operates								
Date of last upgrade to traffic signal control system software?		NR	no central	software yet	Will be upg	rading this fall	19	98
How often do you update signal timing?		nnually, adjust propriate	anr	nually	Never	Have Yet	once	a year
Software used and number of signalized intersections under control (1999, 2005)	Tracone	et, 225, NR	NR		ARIES, 29, NR ZONE MONITOR III, 24, NR		BiTrans Quic	Net 4, 85, NR
Controllers used to control signals								
NEMA	275	NR	50	100	29	48	180	NR
170/179	0	0	0	0	0	0	103	NR
2070 controller	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Technologies Associated with Highway-Rail Intersections						1		

							l	
		Town(CT)		rgh Town		h Town(CT)		County(NJ)
	1999	2005	1999	2005	1999	2005	1999	2005
Total number of highway-rail intersections under electronic surveillance	NR	NR	NR	NR	13	13	NR	NR
Highway-Rail intersection capapbilities								
Video surveillance	0	0	0	0	0	0	0	0
Electronic surveillance other than video	0	0	0	0	0	0	0	0
Ability to predict train arrival electronically	0	0	0	0	13	13	0	0
Equipped with electronic traffic violator devices	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Real-Time Electronic Traffic Data Collection Technologies								
Total number of signalized intersections covered by electronic surveillance	NR	NR	NR	NR	29	48	NR	NR
Number of signalized intersections with data collection technologies								
Loop detectors	0	0	0	0	29	48	0	0
Video detection cameras	0	0	0	0	0	5	0	0
Probe readers reading toll tags	0	0	0	0	0	0	0	0
Probe readers reading license plates	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Roadside Technologies used to Distribute Traveler Information								
Number deployed								
Highway Advisory Radio	20	25	NR	NR	NR	NR	NR	NR
In-Vehicle Signing (IVS)	NR	NR	NR	NR	NR	NR	NR	NR
VMS controlling parking access	NR	NR	NR	NR	NR	NR	NR	NR
Miles covered								
Highway Advisory Radio	NR	NR	NR	NR	NR	NR	NR	NR
In-Vehicle Signing (IVS)	NR	NR	NR	NR	NR	NR	NR	NR
Variable Message Signs (VMS) on Arterials								
Candidate locations for deployment of VMS where VMS has been deployed	72	NR	NR	NR	NR	NR	NR	NR
Candidate locations for deployment of VMS	NR	NR	NR	NR	NR	NR	NR	NR
Communication Technologies								
Signalized intersections communicated with by each type of communication								
Twisted pair cable	60	NR	0	0	20	33	69	NR
Coaxial cable	0	0	0	0	0	0	0	0
Fiber-optic cable	0	0	NR	75	0	5	0	0
Other (e.g., wireless, dial-up modems, leased lines, etc.)	85	100	0	25	9	10	16	0
Does agency convey information on highway-rail intersection crossing								
status to travelers via roadside media such as VMS or HAR?	No		No		No		No	
ITS Standards Used Related to Traffic Signal Control			1.0		1			
Advanced Transportation Controller (ATC) Software Application Interface (ITE 9603-1)	No		No		No		No	
ATC Physical Cabinet Functional Design (ITE-9603-2)	No		No		No		No	
ATC Functionality and Interface Definitions (ITE-9603-3)	No		No		No		No	
Natl. Trans. Communications for ITS Protocol (NTCIP) Class B Profile (AASHTO TS 3.3)	No		No		No		No	
NTCIP Data Collection and Monitoring Devices (AASHTO TS 3.DCM)	No		No		No		No	
NTCIP Object Definitions for Video Camera Control (AASHTO TS 3.VCC)	No		No		No		No	
NTCIP Object Definitions for Actuated Traffic Signal Controller Units (AASHTO TS 3.5)	No		No		No		No	

		Town(CT)		irgh Town		n Town(CT)		County(NJ)
	1999	2005	1999	2005	1999	2005	1999	2005
Would agency be willing to participate in testing of ITS Standards?	No		No		Yes		Yes	
Have agreements in place with other agencies to use similar hardware								
and software to aid maintenance and interoperability?	Yes		No		Yes		No	
INCIDENT MANAGEMENT ON ARTERIAL STREETS								
Receive information on highway-rail intersection crossing blockages for								
the purpose of managing incident response?	No		No		No		No	
Use of Service Patrols to Assist in Detection and Response to Incidents								
Publicly operated service patrol vehicles	No		No		No		No	
Privately operated service patrol vehicles operated under public contract	No		No		No		No	
Total number of arterial miles patrolled by these services	NR	NR	NR	NR	NR	NR	NR	NR
Miles Covered by Methods to Detect and Verify Incidents								
Free cellular phone call to a dedicated phone number other than 911	0	0	0	0	0	0	0	0
Free cellular phone call to an area radio station	0	0	0	0	0	0	0	0
Police patrols	0	0	0	0	0	0	0	0
Computer algorithms linked to traffic surveillance equipment	0	0	0	0	0	0	0	0
CCTV	0	0	0	0	0	0	0	0
Private sector sources (e.g., Shadow Traffic, Smart Routes)	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Procedures in place for Arterial Incident Response?								
Working agreement(s)/arrangement(s) with other agencies	No		No		No		No	
Inter-agency incident management admin. team that meets regularly	No		No		No		No	
Major incident response team that responds to major incidents	No		No		No		No	
Set of goals/objectives for incident mgt that has been adopted by agencies in region	No		No		No		No	
Methods of Communication Used On-Site at an Incident								
Police								
Two-way radio	No		No		No		No	
800 MHz trunked radio	No		No		No		No	
Cellular telephone	No		No		No		No	
Hand-held (i.e., walkie-talkie)	No		No		No		No	
Automated data systems (i.e., CAD)	No		No		No		No	
Other	No		No		No		No	
<u>Fire</u>								
Two-way radio	No		No		No		No	
800 MHz trunked radio	No		No		No		No	
Cellular telephone	No		No		No		No	
Hand-held (i.e., walkie-talkie)	No		No		No		No	
Automated data systems (i.e., CAD)	No		No		No		No	
Other	No		No		No		No	

	Fairfield	Town(CT)	Greenbu	rgh Town	1	n Town(CT)		County(NJ)
	1999	2005	1999	2005	1999	2005	1999	2005
<u>DOT</u>								
Two-way radio	No		No		No		No	
800 MHz trunked radio	No		No		No		No	
Cellular telephone	No		No		No		No	
Hand-held (i.e., walkie-talkie)	No		No		No		No	
Automated data systems (i.e., CAD)	No		No		No		No	
Other	No		No		No		No	
Towing								
Two-way radio	No		No		No		No	
800 MHz trunked radio	No		No		No		No	
Cellular telephone	No		No		No		No	
Hand-held (i.e., walkie-talkie)	No		No		No		No	
Automated data systems (i.e., CAD)	No		No		No		No	
Other	No		No		No		No	
Which police agencies typically respond to incidents on arterials?								
State Police	No		No		No		No	
County Police or Sheriff	No		No		No		No	
City Police	No		No		No		No	
Who provides on-site emergency medical response?								
Fire	No		No		No		No	
Emergency Management Service Agency	No		No		No		No	
Private hospital	No		No		No		No	
Has a multi-agency contact list been developed in area containing the								
names, phone numbers, etc. for the appropriate response personnel?	NR		NR		NR		NR	
Is the Incident Command System used to manage incident scenes?	NR		NR		NR		NR	
Is there a legal specification by state law or formal agreement as to who								
is "in charge" at the incident scene?								
Specified by state law?	No		No		No		No	
Formal agreement?	No		No		No		No	
Not specified or don't know?	No		No		No		No	
On-scene command post used to manage activities of responding agencies?	NR		NR		NR		NR	
Are there communication linkages to a communications traffic/freeway mgt center?	NR		NR		NR		NR	
Plan developed and adopted by responding agencies for staging and parking								
response vehicles and equip. at incident site that minimizes lane blockage								
and facilitates the re-opening of lanes?	NR		NR		NR		NR	
Respondents protected through law or court opinion for liability claims								
for damages to vehicles or cargoes during clearance activities?	NR		NR		NR		NR	
Are overturned tank trucks, which are intact and not leaking, uprighted								
without first off-loading?	NR		NR		NR		NR	

	Fairfield <sup>1</sup>	Town(CT)	Greenbu	rgh Town	Greenwich	Town(CT)	Hudson C	County(NJ)
	1999	2005	1999	2005	1999	2005	1999	2005
Does your state or local jurisdiction have a law that requires drivers								
involved in property-damage-only accidents to move the vehicles								
from travel lanes to a safe location to exchange info and wait for police?	NR		NR		NR		NR	
Have laws or policies regarding the removal of stalled/abandoned vehicles								
from freeway shoulders?	NR		NR		NR		NR	
Hours abandoned vehicles are allowed to remain on a freeway shoulder?	NR		NR		NR		NR	
Have policies or procedures for quick removal of vehicles?	NR		NR		NR		NR	
s Total Station equipment used to investigate major incidents?	NR		No		DK		NR	
Handling of Towing Responses to Incidents								
Formal contract based on qualifications?	No		No		No		No	
Rotation with companies under contract?	No		No		No		No	
Separate lists kept for light and heavy response and for specialty recovery?	NR		NR		NR		NR	
Rotation list with minimal qualifications?	No		No		No		No	
In towing qualifications, do you require towers to be certified under the								
Towing and Recovery Ass. of America's National Drivers Cert. Program?	NR		NR		NR		NR	
DK: Don't know								
NR: No Response								
Leg: Legislation or action being planned								

	Hunterdo	on County	Jersey	City(NJ)	Middlesex	County(NJ)	Mount Ve	ernon City
	1999	2005	1999	2005	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes		Yes		Yes	
ARTERIAL MANAGEMENT SECTION								
Number of arterial miles that agency owns or maintains	115		NR		NR		NR	
Number of arterial miles that is used for planning	75		NR		NR		NR	
Number of highway-rail intersections that agency maintains	0		NR		30		NR	
Number of highway-rail intersections that is used for planning	0		NR		NR		NR	
Type of facilities used to conduct arterial management activities								
Activities housed in a free-standing dedicated building?	No		No		No		No	
Activities housed in a building shared with other activities?	No		No		No		No	
Activities conducted in a dedicated control room?	No		No		No		No	
Control room contains operator console(s)?	No		No		No		No	
Control room contains electronic wall map?	No		No		No		No	
Control room contains CCTV display(s)?	No		No		No		No	
Activities conducted in a room containing workstations or PCs that manage traffic?	Yes		No		No		No	
Facilities are electronically linked to other transportation mgt facilities?	No		No		No		No	
Staffing and hours of operation of arterial management activities								
Number of full-time agency staff members	1		NR		NR		NR	
Number of full time contractor staff members	0		NR		NR		NR	
Number of part-time agency staff members	0		NR		NR		NR	
Number of part-time contractor staff members	0		NR		NR		NR	
Staffed 24 hours day by agency staff or by others	NR		NR		NR		NR	
Staffed during peak hours only by agency staff or by others	agency		NR		NR		NR	
Staffed by others during off-peak hours	No		No		No		No	
Agency staff perform transportation management as an ancillary duty	No		No		No		No	
Agency staff dedicated to transportation management duty	No		No		No		No	
Types of operations conducted for arterial management								
Incident detection and management?	No		No		No		No	
This metropolitan area?	No		No		No		No	
Other metropolitan area?	No		No		No		No	
Monitoring and troubleshooting status of system components?	Yes		No		No		No	
Radio communications with other agencies?	No		No		No		No	
Exchange of electronic data with other agencies such as computer aided dispatch?	No		No		No		No	
Manual override of traffic signal timing plans	Yes		No		No		No	
Operating transportation mgt roadside devices (e.g., VMS, CCTV, etc.)	No		No		No		No	

	Hunterd	lon County	Jersey	City(NJ)	Middlesex	County(NJ)	Mount Ve	ernon City
	1999	2005	1999	2005	1999	2005	1999	2005
Describe agency's role in traffic signal control		incorporated of state routes	١	NR	,	NR	N	IR
Traffic Signals Operated by Agency								
Number of signalized intersections operated and owned by agency	225	240	NR	NR	NR	NR	NR	NR
Number of signalized intersections operated by agency but owned by another	20	25	NR	NR	NR	NR	NR	NR
Total number of signalized intersections operated by agency	245	265	253	260	NR	NR	149	149
Characteristics of signalized intersections that agency operates								
Under closed loop or central system control	142	160	253	260	0	25	0	10
Under real-time traffic adaptive control using advanced software	0	0	0	0	0	5	0	NR
Using SCOOT	No	-	No		No	-	No	
Using SCATS	No		No		No		No	
Name of software		NR	١	NR	1	NR		R
Allow signal preemption for emergency vehicles	0	5	6	100	10	20	0	NR
Allow signal priority for transit vehicles	0	0	0	0	0	0	0	0
Within 200 feet of a highway-rail intersection	5	5	2	2	10	10	0	0
Within 200 feet of a highway-rail intersection that adjust signal timing	3	3	2	2	10	10	0	0
Software used to control the signals agency operates								<u> </u>
Date of last upgrade to traffic signal control system software?	1	994	N	NR .	1	NR	N	IR
How often do you update signal timing?	se	ldom	١	NR	1	NR	N	IR
Software used and number of signalized intersections under control (1999, 2005)	· · · · · · · · · · · · · · · · · · ·	uickNet, 150, 170	NR		NR		N	IR
Controllers used to control signals								
NEMA	0	0	0	0	0	0	0	0
170/179	345	265	0	0	0	0	0	0
2070 controller	0	10	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Technologies Associated with Highway-Rail Intersections								

	I							
	Hunterd	on County	Jersey	City(NJ)	Middlesex	County(NJ)	Mount Ve	ernon City
	1999	2005	1999	2005	1999	2005	1999	2005
Total number of highway-rail intersections under electronic surveillance	NR	NR	NR	NR	NR	NR	0	0
Highway-Rail intersection capapbilities								
Video surveillance	0	0	0	0	0	0	0	0
Electronic surveillance other than video	0	0	0	0	0	0	0	0
Ability to predict train arrival electronically	0	0	0	0	0	0	0	0
Equipped with electronic traffic violator devices	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Real-Time Electronic Traffic Data Collection Technologies								
Total number of signalized intersections covered by electronic surveillance	12	30	NR	NR	NR	NR	NR	NR
Number of signalized intersections with data collection technologies								
Loop detectors	4	10	0	0	0	0	0	0
Video detection cameras	8	20	0	0	0	0	0	0
Probe readers reading toll tags	0	0	0	0	0	0	0	0
Probe readers reading license plates	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Roadside Technologies used to Distribute Traveler Information								
Number deployed								
Highway Advisory Radio	NR	NR	NR	NR	NR	NR	NR	NR
In-Vehicle Signing (IVS)	NR	NR	NR	NR	NR	NR	NR	NR
VMS controlling parking access	NR	NR	NR	NR	NR	NR	NR	NR
Miles covered								
Highway Advisory Radio	NR	NR	30	30	NR	NR	NR	NR
In-Vehicle Signing (IVS)	NR	NR	0	0	NR	NR	NR	NR
Variable Message Signs (VMS) on Arterials								
Candidate locations for deployment of VMS where VMS has been deployed	NR	NR	13	13	NR	NR	0	0
Candidate locations for deployment of VMS	NR	NR	13	13	NR	NR	0	0
Communication Technologies								
Signalized intersections communicated with by each type of communication								
Twisted pair cable	130	135	0	0	0	0	0	0
Coaxial cable	0	0	0	0	0	0	0	0
Fiber-optic cable	0	0	0	0	0	0	0	0
Other (e.g., wireless, dial-up modems, leased lines, etc.)	31	50	0	0	0	0	0	0
Does agency convey information on highway-rail intersection crossing								
status to travelers via roadside media such as VMS or HAR?	No		No		No		No	
ITS Standards Used Related to Traffic Signal Control								
Advanced Transportation Controller (ATC) Software Application Interface (ITE 9603-1)	No		No		No		No	
ATC Physical Cabinet Functional Design (ITE-9603-2)	No		No		No		No	
ATC Functionality and Interface Definitions (ITE-9603-3)	No		No		No		No	
Natl. Trans. Communications for ITS Protocol (NTCIP) Class B Profile (AASHTO TS 3.3)	No		No		No		No	
NTCIP Data Collection and Monitoring Devices (AASHTO TS 3.DCM)	No		No		No		No	
NTCIP Object Definitions for Video Camera Control (AASHTO TS 3.VCC)	No		No		No		No	
NTCIP Object Definitions for Actuated Traffic Signal Controller Units (AASHTO TS 3.5)	No		No		No		No	

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	1999	on County 2005	1999	City(NJ) <b>2005</b>	1999	County(NJ) 2005	1999	ernon City 2005
Would agency be willing to participate in testing of ITS Standards?	Yes	2005	NR	2005	NR	2005	NR	2005
Have agreements in place with other agencies to use similar hardware	103		IVIX		IVIX		IVIX	
and software to aid maintenance and interoperability?	No		NR		NR		NR	
INCIDENT MANAGEMENT ON ARTERIAL STREETS								
Receive information on highway-rail intersection crossing blockages for								
the purpose of managing incident response?	No		No		No		No	
Use of Service Patrols to Assist in Detection and Response to Incidents								
Publicly operated service patrol vehicles	No		No		No		No	
Privately operated service patrol vehicles operated under public contract	No		No		No		No	
Total number of arterial miles patrolled by these services	NR	NR	NR	NR	NR	NR	NR	NR
Miles Covered by Methods to Detect and Verify Incidents								
Free cellular phone call to a dedicated phone number other than 911	0	0	0	0	0	0	0	0
Free cellular phone call to an area radio station	0	0	0	0	0	0	0	0
Police patrols	0	0	0	0	0	0	0	0
Computer algorithms linked to traffic surveillance equipment	0	0	0	0	0	0	0	0
CCTV	0	0	38	70	0	0	0	0
Private sector sources (e.g., Shadow Traffic, Smart Routes)	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Procedures in place for Arterial Incident Response?								
Working agreement(s)/arrangement(s) with other agencies	No		No		No		No	
Inter-agency incident management admin. team that meets regularly	No		No		No		No	
Major incident response team that responds to major incidents	No		No		No		No	
Set of goals/objectives for incident mgt that has been adopted by agencies in region	No		No		No		No	
Methods of Communication Used On-Site at an Incident								
Police								
Two-way radio	No		No		No		No	
800 MHz trunked radio	No		No		No		No	
Cellular telephone	No		No		No		No	
Hand-held (i.e., walkie-talkie)	No		No		No		No	
Automated data systems (i.e., CAD)	No		No		No		No	
Other	No		No		No		No	
<u>Fire</u>								
Two-way radio	No		No		No		No	
800 MHz trunked radio	No		No		No		No	
Cellular telephone	No		No		No		No	
Hand-held (i.e., walkie-talkie)	No		No		No		No	
Automated data systems (i.e., CAD)	No		No		No		No	
Other	No		No		No		No	

		on County	†	City(NJ)		County(NJ)		ernon City
	1999	2005	1999	2005	1999	2005	1999	2005
<u>DOT</u>								
Two-way radio	No		No		No		No	
800 MHz trunked radio	No		No		No		No	
Cellular telephone	No		No		No		No	
Hand-held (i.e., walkie-talkie)	No		No		No		No	
Automated data systems (i.e., CAD)	No		No		No		No	
Other	No		No		No		No	
Towing								
Two-way radio	No		No		No		No	
800 MHz trunked radio	No		No		No		No	
Cellular telephone	No		No		No		No	
Hand-held (i.e., walkie-talkie)	No		No		No		No	
Automated data systems (i.e., CAD)	No		No		No		No	
Other	No		No		No		No	
Which police agencies typically respond to incidents on arterials?								
State Police	No		No		No		No	
County Police or Sheriff	No		No		No		No	
City Police	No		No		No		No	
Who provides on-site emergency medical response?								
Fire	No		No		No		No	
Emergency Management Service Agency	No		No		No		No	
Private hospital	No		No		No		No	
Has a multi-agency contact list been developed in area containing the								
names, phone numbers, etc. for the appropriate response personnel?	NR		NR		NR		NR	
Is the Incident Command System used to manage incident scenes?	NR		NR		NR		NR	
Is there a legal specification by state law or formal agreement as to who								
is "in charge" at the incident scene?								
Specified by state law?	No		No		No		No	
Formal agreement?	No		No		No		No	
Not specified or don't know?	No		No		No		No	
On-scene command post used to manage activities of responding agencies?	NR		NR		NR		NR	
Are there communication linkages to a communications traffic/freeway mgt center?	NR		NR		NR		NR	
Plan developed and adopted by responding agencies for staging and parking								
response vehicles and equip. at incident site that minimizes lane blockage								
and facilitates the re-opening of lanes?	NR		NR		NR		NR	
Respondents protected through law or court opinion for liability claims								<del></del>
for damages to vehicles or cargoes during clearance activities?	NR		NR		NR		NR	
Are overturned tank trucks, which are intact and not leaking, uprighted								
without first off-loading?	NR		NR		NR		NR	

	Hunterd	on County	Jersey	City(NJ)	Middlesex	County(NJ)	Mount Ve	ernon City
	1999	2005	1999	2005	1999	2005	1999	2005
Does your state or local jurisdiction have a law that requires drivers								
involved in property-damage-only accidents to move the vehicles								
from travel lanes to a safe location to exchange info and wait for police?	NR		NR		NR		NR	
Have laws or policies regarding the removal of stalled/abandoned vehicles								
from freeway shoulders?	NR		NR		NR		NR	
Hours abandoned vehicles are allowed to remain on a freeway shoulder?	NR		NR		NR		NR	
Have policies or procedures for quick removal of vehicles?	NR		NR		NR		NR	
Is Total Station equipment used to investigate major incidents?	NR		NR		NR		NR	
Handling of Towing Responses to Incidents								
Formal contract based on qualifications?	No		No		No		No	
Rotation with companies under contract?	No		No		No		No	
Separate lists kept for light and heavy response and for specialty recovery?	NR		NR		NR		NR	
Rotation list with minimal qualifications?	No		No		No		No	
In towing qualifications, do you require towers to be certified under the								
Towing and Recovery Ass. of America's National Drivers Cert. Program?	NR		NR		NR		NR	
DK: Don't know								
NR: No Response								
Leg: Legislation or action being planned								

	Nassa	u County		Department of tation(NJ)		ey Highway rity(NJ)	New Roo	helle City
	1999	2005	1999	2005	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes		Yes		Yes	
ARTERIAL MANAGEMENT SECTION	163		163		163		163	
Number of arterial miles that agency owns or maintains	NR		NR		NR		NR	
Number of arterial miles that is used for planning	NR		NR		NR		NR	
Number of highway-rail intersections that agency maintains	NR		NR		NR		NR	
Number of highway-rail intersections that is used for planning	NR		NR		NR		NR	
Type of facilities used to conduct arterial management activities								
Activities housed in a free-standing dedicated building?	No		No		No		No	
Activities housed in a building shared with other activities?	Yes		No		No		No	
Activities conducted in a dedicated control room?	Yes		No		No		No	
Control room contains operator console(s)?	Yes		No		No		No	
Control room contains electronic wall map?	Yes		No		No		No	
Control room contains CCTV display(s)?	No		No		No		No	
Activities conducted in a room containing workstations or PCs that manage traffic?	Yes		No		No		No	
Facilities are electronically linked to other transportation mgt facilities?	No		No		No		No	
Staffing and hours of operation of arterial management activities								
Number of full-time agency staff members	2		NR		NR		NR	
Number of full time contractor staff members	2		NR		NR		NR	
Number of part-time agency staff members	NR		NR		NR		NR	
Number of part-time contractor staff members	NR		NR		NR		NR	
Staffed 24 hours day by agency staff or by others	NR		NR		NR		NR	
Staffed during peak hours only by agency staff or by others	NR		NR		NR		NR	
Staffed by others during off-peak hours	No		No		No		No	
Agency staff perform transportation management as an ancillary duty	No		No		No		No	
Agency staff dedicated to transportation management duty	No		No		No		No	
Types of operations conducted for arterial management								
Incident detection and management?	No		No		No		No	
This metropolitan area?	No		No		No		No	
Other metropolitan area?	No		No		No		No	
Monitoring and troubleshooting status of system components?	Yes		No		No		No	
Radio communications with other agencies?	No		No		No		No	
Exchange of electronic data with other agencies such as computer aided dispatch?	No		No		No		No	
Manual override of traffic signal timing plans	No		No		No		No	
Operating transportation mgt roadside devices (e.g., VMS, CCTV, etc.)	No		No		No		No	

			Transpor	Department of rtation(NJ)	Autho	ey Highway ority(NJ)		helle City
	1999	2005	1999	2005	1999	2005	1999	2005
Describe agency's role in traffic signal control		incorporated t state routes	٨	NR	١	NR	N	R
Traffic Signals Operated by Agency								
Number of signalized intersections operated and owned by agency	1,575	1,600	NR	NR	NR	NR	NR	NR
Number of signalized intersections operated by agency but owned by another	0	0	NR	NR	NR	NR	NR	NR
Total number of signalized intersections operated by agency	1,575	1,600	163	243	3	NR	0	NR
Characteristics of signalized intersections that agency operates	.,5.5	1,000				1		
Under closed loop or central system control	687	800	163	243	3	NR	0	NR
Under real-time traffic adaptive control using advanced software	0	0	0	0	0	NR	0	NR
Using SCOOT	No		No		No		No	
Using SCATS	No		No		No		No	
Name of software	1	NR	NR		١	NR	N	R
Allow signal preemption for emergency vehicles	20	25	0	0	0	NR	4	NR
Allow signal priority for transit vehicles	0	0	0	0	0	NR	0	NR
Within 200 feet of a highway-rail intersection	12	12	0	0	0	NR	0	NR
Within 200 feet of a highway-rail intersection that adjust signal timing	7	10	0	0	0	NR	0	NR
Software used to control the signals agency operates								
Date of last upgrade to traffic signal control system software?	1	990	Ņ	NR	١	NR	N	R
How often do you update signal timing?		rly, based on plaints	١	NR	1	NR	N	R
Software used and number of signalized intersections under control (1999, 2005)		N MTCS, 687, 800	NR		NR		N	R
Controllers used to control signals								
NEMA	1,575	1,600	0	0	0	0	0	0
170/179	0	0	0	0	0	0	0	0
2070 controller	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Technologies Associated with Highway-Rail Intersections								

			Now Jorsov I	Department of	Now Jores	ey Highway		
	Nassa	u County	,	tation(NJ)		rity(NJ)	New Roc	helle City
	1999	2005	1999	2005	1999	2005	1999	2005
Total number of highway-rail intersections under electronic surveillance	NR	NR	NR	NR	NR	NR	NR	NR
Highway-Rail intersection capapbilities								
Video surveillance	0	0	0	0	0	0	0	0
Electronic surveillance other than video	0	0	0	0	0	0	0	0
Ability to predict train arrival electronically	0	0	0	0	0	0	0	0
Equipped with electronic traffic violator devices	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Real-Time Electronic Traffic Data Collection Technologies								
Total number of signalized intersections covered by electronic surveillance	379	416	NR	NR	NR	NR	NR	NR
Number of signalized intersections with data collection technologies								
Loop detectors	379	410	0	0	0	0	0	0
Video detection cameras	0	6	0	0	0	0	0	0
Probe readers reading toll tags	0	0	0	0	0	0	0	0
Probe readers reading license plates	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Roadside Technologies used to Distribute Traveler Information								
Number deployed								
Highway Advisory Radio	NR	NR	NR	NR	NR	NR	NR	NR
In-Vehicle Signing (IVS)	NR	NR	NR	NR	NR	NR	NR	NR
VMS controlling parking access	NR	NR	NR	NR	NR	NR	NR	NR
Miles covered								
Highway Advisory Radio	NR	NR	32	66	6	NR	NR	NR
In-Vehicle Signing (IVS)	NR	NR	0	0	NR	NR	NR	NR
Variable Message Signs (VMS) on Arterials								
Candidate locations for deployment of VMS where VMS has been deployed	NR	NR	10	25	41	NR	NR	NR
Candidate locations for deployment of VMS	NR	NR	10	25	NR	NR	NR	NR
Communication Technologies								
Signalized intersections communicated with by each type of communication								
Twisted pair cable	687	800	0	0	0	0	0	0
Coaxial cable	0	0	0	0	0	0	0	0
Fiber-optic cable	250	750	0	0	0	0	0	0
Other (e.g., wireless, dial-up modems, leased lines, etc.)	0	0	0	0	0	0	0	0
Does agency convey information on highway-rail intersection crossing								
status to travelers via roadside media such as VMS or HAR?	No		No		No		No	
ITS Standards Used Related to Traffic Signal Control								
Advanced Transportation Controller (ATC) Software Application Interface (ITE 9603-1)	No		No		No		No	
ATC Physical Cabinet Functional Design (ITE-9603-2)	No		No		No		No	
ATC Functionality and Interface Definitions (ITE-9603-3)	No		No		No		No	
Natl. Trans. Communications for ITS Protocol (NTCIP) Class B Profile (AASHTO TS 3.3)	No		No		No		No	
NTCIP Data Collection and Monitoring Devices (AASHTO TS 3.DCM)	No		No		No		No	
NTCIP Object Definitions for Video Camera Control (AASHTO TS 3.VCC)	No		No		No		No	
NTCIP Object Definitions for Actuated Traffic Signal Controller Units (AASHTO TS 3.5)	No		No		No		No	

			New Jersey [	Department of	New Jerse	ey Highway		
	Nassa	u County	Transpor	tation(NJ)	Autho	rity(NJ)	New Roo	helle City
	1999	2005	1999	2005	1999	2005	1999	2005
Would agency be willing to participate in testing of ITS Standards?	Yes		NR		NR		NR	
Have agreements in place with other agencies to use similar hardware								
and software to aid maintenance and interoperability?	No		NR		NR		NR	
INCIDENT MANAGEMENT ON ARTERIAL STREETS								
Receive information on highway-rail intersection crossing blockages for								
the purpose of managing incident response?	No		No		No		No	
Use of Service Patrols to Assist in Detection and Response to Incidents								
Publicly operated service patrol vehicles	No		No		No		No	
Privately operated service patrol vehicles operated under public contract	No		No		No		No	
Total number of arterial miles patrolled by these services	NR	NR	NR	NR	NR	NR	NR	NR
Miles Covered by Methods to Detect and Verify Incidents								
Free cellular phone call to a dedicated phone number other than 911	0	0	0	0	0	0	0	0
Free cellular phone call to an area radio station	0	0	0	0	0	0	0	0
Police patrols	0	0	0	0	0	0	0	0
Computer algorithms linked to traffic surveillance equipment	0	10	91	125	0	0	0	0
CCTV	0	0	80	115	4	NR	0	0
Private sector sources (e.g., Shadow Traffic, Smart Routes)	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Procedures in place for Arterial Incident Response?								
Working agreement(s)/arrangement(s) with other agencies	No		No		No		No	
Inter-agency incident management admin. team that meets regularly	No		No		No		No	
Major incident response team that responds to major incidents	No		No		No		No	
Set of goals/objectives for incident mgt that has been adopted by agencies in region	No		No		No		No	
Methods of Communication Used On-Site at an Incident								
Police								
Two-way radio	No		No		No		No	
800 MHz trunked radio	Yes		No		No		No	
Cellular telephone	No		No		No		No	
Hand-held (i.e., walkie-talkie)	No		No		No		No	
Automated data systems (i.e., CAD)	No		No		No		No	
Other	No		No		No		No	
<u>Fire</u>								
Two-way radio	No		No		No		No	
800 MHz trunked radio	Yes		No		No		No	
Cellular telephone	No		No		No		No	
Hand-held (i.e., walkie-talkie)	No		No		No		No	
Automated data systems (i.e., CAD)	No		No		No		No	
Other	No		No		No		No	

	Nassa	u County		Department of tation(NJ)		ey Highway rity(NJ)	New Roo	helle City
	1999	2005	1999	2005	1999	2005	1999	2005
<u>DOT</u>								
Two-way radio	No		No		No		No	
800 MHz trunked radio	Yes		No		No		No	
Cellular telephone	No		No		No		No	
Hand-held (i.e., walkie-talkie)	No		No		No		No	
Automated data systems (i.e., CAD)	No		No		No		No	
Other	No		No		No		No	
Towing								
Two-way radio	No		No		No		No	
800 MHz trunked radio	No		No		No		No	
Cellular telephone	No		No		No		No	
Hand-held (i.e., walkie-talkie)	No		No		No		No	
Automated data systems (i.e., CAD)	No		No		No		No	
Other	No		No		No		No	
Which police agencies typically respond to incidents on arterials?								
State Police	No		No		No		No	
County Police or Sheriff	Yes		No		No		No	
City Police	No		No		No		No	
Who provides on-site emergency medical response?								
Fire	Yes		No		No		No	
Emergency Management Service Agency	No		No		No		No	
Private hospital	No		No		No		No	
Has a multi-agency contact list been developed in area containing the								
names, phone numbers, etc. for the appropriate response personnel?	DK		NR		NR		NR	
Is the Incident Command System used to manage incident scenes?	DK		NR		NR		NR	
Is there a legal specification by state law or formal agreement as to who								
is "in charge" at the incident scene?								
Specified by state law?	No		No		No		No	
Formal agreement?	No		No		No		No	
Not specified or don't know?	Yes		No		No		No	
On-scene command post used to manage activities of responding agencies?	DK		NR		NR		NR	
Are there communication linkages to a communications traffic/freeway mgt center?	NR		NR		NR		NR	
Plan developed and adopted by responding agencies for staging and parking								
response vehicles and equip. at incident site that minimizes lane blockage								
and facilitates the re-opening of lanes?	DK		NR		NR		NR	
Respondents protected through law or court opinion for liability claims								
for damages to vehicles or cargoes during clearance activities?	DK		NR		NR		NR	
Are overturned tank trucks, which are intact and not leaking, uprighted								
without first off-loading?	NR		NR		NR		NR	

	Nassa	u County	New Jersey Department of Transportation(NJ)		New Jersey Highway Authority(NJ)		New Roo	chelle City
	1999	2005	1999	2005	1999	2005	1999	2005
Does your state or local jurisdiction have a law that requires drivers								
involved in property-damage-only accidents to move the vehicles								
from travel lanes to a safe location to exchange info and wait for police?	NR		NR		NR		NR	
Have laws or policies regarding the removal of stalled/abandoned vehicles								
from freeway shoulders?	Yes		NR		NR		NR	
Hours abandoned vehicles are allowed to remain on a freeway shoulder?	DK		NR		NR		NR	
Have policies or procedures for quick removal of vehicles?	NR		NR		NR		NR	
Is Total Station equipment used to investigate major incidents?	DK		NR		NR		NR	
Handling of Towing Responses to Incidents								
Formal contract based on qualifications?	No		No		No		No	
Rotation with companies under contract?	No		No		No		No	
Separate lists kept for light and heavy response and for specialty recovery?	NR		NR		NR		NR	
Rotation list with minimal qualifications?	No		No		No		No	
In towing qualifications, do you require towers to be certified under the								
Towing and Recovery Ass. of America's National Drivers Cert. Program?	DK		NR		NR		NR	
DK: Don't know								
NR: No Response								
Leg: Legislation or action being planned					•			

	New York City DOT		New York City DOT for Queens County		New York State DOT- Hudson Valley Region 8		New York State DOT-L Island Region 10	
	1999	2005	1999	2005	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes		Yes		Yes	
ARTERIAL MANAGEMENT SECTION								
Number of arterial miles that agency owns or maintains	6,375		NR		NR		NR	
Number of arterial miles that is used for planning	6,375		NR		NR		NR	
Number of highway-rail intersections that agency maintains	0		6		NR		3	
Number of highway-rail intersections that is used for planning	0		NR		NR		3	
Type of facilities used to conduct arterial management activities								
Activities housed in a free-standing dedicated building?	No		No		No		Yes	
Activities housed in a building shared with other activities?	No		No		No		Yes	
Activities conducted in a dedicated control room?	Yes		No		No		Yes	
Control room contains operator console(s)?	Yes		No		No		Yes	
Control room contains electronic wall map?	Yes		No		No		Yes	
Control room contains CCTV display(s)?	Yes		No		No		Yes	
Activities conducted in a room containing workstations or PCs that manage traffic?	No		No		No		Yes	
Facilities are electronically linked to other transportation mgt facilities?	No		No		No		No	
Staffing and hours of operation of arterial management activities								
Number of full-time agency staff members	25		NR		NR		3	
Number of full time contractor staff members	50		NR		NR		3	
Number of part-time agency staff members	NR		NR		NR		NR	
Number of part-time contractor staff members	NR		NR		NR		NR	
Staffed 24 hours day by agency staff or by others	agency		NR		NR		others	
Staffed during peak hours only by agency staff or by others	NR		NR		NR		NR	
Staffed by others during off-peak hours	No		No		No		No	
Agency staff perform transportation management as an ancillary duty	No		No		No		No	
Agency staff dedicated to transportation management duty	Yes		No		No		Yes	
Types of operations conducted for arterial management								
Incident detection and management?	Yes		No		No		Yes	
This metropolitan area?	Yes		No		No		Yes	
Other metropolitan area?	No		No		No		Yes	
Monitoring and troubleshooting status of system components?	Yes		No		No		Yes	
Radio communications with other agencies?	No		No		No		No	
Exchange of electronic data with other agencies such as computer aided dispatch?	No		No		No		No	
Manual override of traffic signal timing plans	Yes		No		No		Yes	
Operating transportation mgt roadside devices (e.g., VMS, CCTV, etc.)	Yes		No		No		Yes	

	New Yorl	k City DOT		City DOT for County		State DOT- lley Region 8		ate DOT-Long egion 10
	1999	2005	1999	2005	1999	2005	1999	2005
Describe agency's role in traffic signal control	All roads	s in county	٨	IR	١	NR	State roi	utes only
Traffic Signals Operated by Agency								
Number of signalized intersections operated and owned by agency	10,800	11,800	NR	NR	NR	NR	1,200	1,300
Number of signalized intersections operated by agency but owned by another	NR	NR	NR	NR	NR	NR	0	0
Total number of signalized intersections operated by agency	10,800	11,800	11,650	8,200	1,000	1,200	1,200	1,300
Characteristics of signalized intersections that agency operates	,	,	•			,	,	•
Under closed loop or central system control	6,000	8,200	6,000	8,200	100	300	175	1,300
Under real-time traffic adaptive control using advanced software	0	0	0	0	0	0	0	100
Using SCOOT	No		No		No		No	
Using SCATS	No		No		No		No	
Name of software	١	NR	١	iR	NR		N	R
Allow signal preemption for emergency vehicles	30	40	12	12	0	0	250	750
Allow signal priority for transit vehicles	1	5	0	40	0	100	0	100
Within 200 feet of a highway-rail intersection	0	0	0	0	NR	NR	3	3
Within 200 feet of a highway-rail intersection that adjust signal timing	0	0	0	0	0	0	3	3
Software used to control the signals agency operates								
Date of last upgrade to traffic signal control system software?	June 3	30, 1999	١	IR	1	NR	Ong	joing
How often do you update signal timing?	Almo	st Daily	N	IR	1	NR	They are on a	a 2 year cycle
Software used and number of signalized intersections under control (1999, 2005)		and VxWorks, 0, 8,200	, NR NR		SCOOT/SCAT/RT, NR 100 Closed Loop, 300, 200 NYS ITAP, 850, 0 NYS ITAP Inform, 50,			
Controllers used to control signals								
NEMA	0	0	0	0	0	0	0	0
170/179	170	200	0	0	0	0	1,210	1,300
2070 controller	0	50	0	0	0	0	0	0
Other	0	3000	0	0	0	0	0	0
Technologies Associated with Highway-Rail Intersections								

	New Yor	k City DOT		City DOT for S County		State DOT- lley Region 8		ate DOT-Long legion 10
	1999	2005	1999	2005	1999	2005	1999	2005
Total number of highway-rail intersections under electronic surveillance	NR	NR	NR	NR	NR	NR	NR	NR
Highway-Rail intersection capapbilities								
Video surveillance	0	0	0	0	0	0	0	0
Electronic surveillance other than video	0	0	0	0	0	0	0	0
Ability to predict train arrival electronically	0	0	0	0	0	0	0	0
Equipped with electronic traffic violator devices	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Real-Time Electronic Traffic Data Collection Technologies								
Total number of signalized intersections covered by electronic surveillance	100	300	NR	NR	NR	NR	250	500
Number of signalized intersections with data collection technologies								
Loop detectors	90	150	0	0	0	0	250	500
Video detection cameras	10	100	0	0	0	0	0	0
Probe readers reading toll tags	0	50	0	0	0	0	0	0
Probe readers reading license plates	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Roadside Technologies used to Distribute Traveler Information								
Number deployed								
Highway Advisory Radio	0	3	NR	NR	NR	NR	NR	NR
In-Vehicle Signing (IVS)	0	0	NR	NR	NR	NR	NR	NR
VMS controlling parking access	0	5	NR	NR	NR	NR	NR	NR
Miles covered								
Highway Advisory Radio	0	10	25	70	NR	NR	NR	NR
In-Vehicle Signing (IVS)	0	10	NR	NR	NR	NR	NR	NR
Variable Message Signs (VMS) on Arterials								
Candidate locations for deployment of VMS where VMS has been deployed	22	27	50	80	3	75	NR	NR
Candidate locations for deployment of VMS	22	27	50	80	17	97	NR	NR
Communication Technologies								
Signalized intersections communicated with by each type of communication								
Twisted pair cable	0	0	0	0	0	0	400	NR
Coaxial cable	2,700	2,700	0	0	0	0	100	100
Fiber-optic cable	0	500	0	0	0	0	50	300
Other (e.g., wireless, dial-up modems, leased lines, etc.)	3200	5010	0	0	0	0	200	900
Does agency convey information on highway-rail intersection crossing								
status to travelers via roadside media such as VMS or HAR?	No		No		No		No	
ITS Standards Used Related to Traffic Signal Control								
Advanced Transportation Controller (ATC) Software Application Interface (ITE 9603-1)	Yes		No		No		No	
ATC Physical Cabinet Functional Design (ITE-9603-2)	No		No		No		No	
ATC Functionality and Interface Definitions (ITE-9603-3)	Yes		No		No		No	
Natl. Trans. Communications for ITS Protocol (NTCIP) Class B Profile (AASHTO TS 3.3)	Yes		No		No		No	
NTCIP Data Collection and Monitoring Devices (AASHTO TS 3.DCM)	No		No		No		No	
NTCIP Object Definitions for Video Camera Control (AASHTO TS 3.VCC)	No		No		No		No	
NTCIP Object Definitions for Actuated Traffic Signal Controller Units (AASHTO TS 3.5)	Yes		No		No		No	

	New Yor	k City DOT		City DOT for S County		State DOT- lley Region 8		ate DOT-Long legion 10
	1999	2005	1999	2005	1999	2005	1999	2005
Would agency be willing to participate in testing of ITS Standards?	Yes		NR		NR		No	
Have agreements in place with other agencies to use similar hardware								
and software to aid maintenance and interoperability?	Yes		NR		NR		No	
INCIDENT MANAGEMENT ON ARTERIAL STREETS								
Receive information on highway-rail intersection crossing blockages for								
the purpose of managing incident response?	No		No		No		No	
Use of Service Patrols to Assist in Detection and Response to Incidents								
Publicly operated service patrol vehicles	No		Yes		No		No	
Privately operated service patrol vehicles operated under public contract	No		No		No		No	
Total number of arterial miles patrolled by these services	NR	NR	25	70	NR	NR	NR	NR
Miles Covered by Methods to Detect and Verify Incidents								
Free cellular phone call to a dedicated phone number other than 911	20	50	0	0	0	0	0	0
Free cellular phone call to an area radio station	0	0	0	0	0	0	0	0
Police patrols	0	0	0	0	0	0	0	0
Computer algorithms linked to traffic surveillance equipment	0	0	0	20	0	100	0	0
CCTV	50	500	5	50	0	25	0	0
Private sector sources (e.g., Shadow Traffic, Smart Routes)	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Procedures in place for Arterial Incident Response?								
Working agreement(s)/arrangement(s) with other agencies	Yes		No		No		No	
Inter-agency incident management admin. team that meets regularly	Yes		No		No		No	
Major incident response team that responds to major incidents	No		No		No		No	
Set of goals/objectives for incident mgt that has been adopted by agencies in region	No		No		No		No	
Methods of Communication Used On-Site at an Incident								
Police								
Two-way radio	Yes		No		No		No	
800 MHz trunked radio	No		No		No		No	
Cellular telephone	No		No		No		No	
Hand-held (i.e., walkie-talkie)	Yes		No		No		No	
Automated data systems (i.e., CAD)	No		No		No		No	
Other	No		No		No		No	
<u>Fire</u>								
Two-way radio	No		No		No		No	
800 MHz trunked radio	No		No		No		No	
Cellular telephone	No		No		No		No	
Hand-held (i.e., walkie-talkie)	No		No		No		No	
Automated data systems (i.e., CAD)	No		No		No		No	
Other	No		No		No		No	

		k City DOT	Queens	City DOT for S County	Hudson Va	State DOT- lley Region 8	Island R	ate DOT-Long egion 10
	1999	2005	1999	2005	1999	2005	1999	2005
<u>DOT</u>								
Two-way radio	Yes		No		No		No	
800 MHz trunked radio	No		No		No		No	
Cellular telephone	Yes		No		No		No	
Hand-held (i.e., walkie-talkie)	No		No		No		No	
Automated data systems (i.e., CAD)	No		No		No		No	
Other	No		No		No		No	
Towing								
Two-way radio	No		No		No		No	
800 MHz trunked radio	No		No		No		No	
Cellular telephone	No		No		No		No	
Hand-held (i.e., walkie-talkie)	No		No		No		No	
Automated data systems (i.e., CAD)	No		No		No		No	
Other	No		No		No		No	
Which police agencies typically respond to incidents on arterials?								
State Police	No		No		No		No	
County Police or Sheriff	No		No		No		No	
City Police	Yes		No		No		No	
Who provides on-site emergency medical response?								
Fire	Yes		No		No		No	
Emergency Management Service Agency	No		No		No		No	
Private hospital	No		No		No		No	
Has a multi-agency contact list been developed in area containing the								
names, phone numbers, etc. for the appropriate response personnel?	Yes		NR		NR		NR	
Is the Incident Command System used to manage incident scenes?	DK		NR		NR		NR	
Is there a legal specification by state law or formal agreement as to who								
is "in charge" at the incident scene?								
Specified by state law?	No		No		No		No	
Formal agreement?	No		No		No		No	
Not specified or don't know?	Yes		No		No		No	
On-scene command post used to manage activities of responding agencies?	No		NR		NR		NR	
Are there communication linkages to a communications traffic/freeway mgt center?	NR		NR		NR		NR	
Plan developed and adopted by responding agencies for staging and parking								
response vehicles and equip. at incident site that minimizes lane blockage								
and facilitates the re-opening of lanes?	No		NR		NR		NR	
Respondents protected through law or court opinion for liability claims								
for damages to vehicles or cargoes during clearance activities?	DK		NR		NR		NR	
Are overturned tank trucks, which are intact and not leaking, uprighted								
without first off-loading?	No		NR		NR		NR	

	New Yor	k City DOT		City DOT for S County		State DOT- ley Region 8		ate DOT-Long Legion 10
	1999	2005	1999	2005	1999	2005	1999	2005
Does your state or local jurisdiction have a law that requires drivers								
involved in property-damage-only accidents to move the vehicles								
from travel lanes to a safe location to exchange info and wait for police?	No		NR		NR		NR	
Have laws or policies regarding the removal of stalled/abandoned vehicles								
from freeway shoulders?	Yes		NR		NR		NR	
Hours abandoned vehicles are allowed to remain on a freeway shoulder?	0-24		NR		NR		NR	
Have policies or procedures for quick removal of vehicles?	Yes		NR		NR		NR	
Is Total Station equipment used to investigate major incidents?	No		NR		NR		NR	
Handling of Towing Responses to Incidents								
Formal contract based on qualifications?	Yes		No		No		No	
Rotation with companies under contract?	No		No		No		No	
Separate lists kept for light and heavy response and for specialty recovery?	No		NR		NR		NR	
Rotation list with minimal qualifications?	No		No		No		No	
In towing qualifications, do you require towers to be certified under the								
Towing and Recovery Ass. of America's National Drivers Cert. Program?	No		NR		NR		NR	
DK: Don't know								
NR: No Response								
Leg: Legislation or action being planned								

	New York	State DOT-						
	Regi	ion 11	Newark	City(NJ)	Norwalk	City(CT)	Ocean C	ounty(NJ)
	1999	2005	1999	2005	1999	2005	1999	2005
					.,		.,	
Agency Returned Survey?	Yes		Yes		Yes		Yes	
ARTERIAL MANAGEMENT SECTION								
Number of arterial miles that agency owns or maintains	NR		NR		NR		NR	
Number of arterial miles that is used for planning	NR		NR		NR		NR	
Number of highway-rail intersections that agency maintains	NR		NR		6		12	
Number of highway-rail intersections that is used for planning	NR		NR		NR		NR	
Type of facilities used to conduct arterial management activities								
Activities housed in a free-standing dedicated building?	No		No		No		No	
Activities housed in a building shared with other activities?	No		No		No		No	
Activities conducted in a dedicated control room?	No		No		No		No	
Control room contains operator console(s)?	No		No		No		No	
Control room contains electronic wall map?	No		No		No		No	
Control room contains CCTV display(s)?	No		No		No		No	
Activities conducted in a room containing workstations or PCs that manage traffic?	No		No		No		No	
Facilities are electronically linked to other transportation mgt facilities?	No		No		No		No	
Staffing and hours of operation of arterial management activities								
Number of full-time agency staff members	NR		NR		NR		NR	
Number of full time contractor staff members	NR		NR		NR		NR	
Number of part-time agency staff members	NR		NR		NR		NR	
Number of part-time contractor staff members	NR		NR		NR		NR	
Staffed 24 hours day by agency staff or by others	NR		NR		NR		NR	
Staffed during peak hours only by agency staff or by others	NR		NR		NR		NR	
Staffed by others during off-peak hours	No		No		No		No	
Agency staff perform transportation management as an ancillary duty	No		No		No		No	
Agency staff dedicated to transportation management duty	No		No		No		No	
Types of operations conducted for arterial management								
Incident detection and management?	No		No		No		No	
This metropolitan area?	No		No		No		No	
Other metropolitan area?	No		No		No		No	
Monitoring and troubleshooting status of system components?	No		No		No		No	
Radio communications with other agencies?	No		No		No		No	
Exchange of electronic data with other agencies such as computer aided dispatch?	No		No		No		No	
Manual override of traffic signal timing plans	No		No		No		No	
Operating transportation mgt roadside devices (e.g., VMS, CCTV, etc.)	No		No		No		No	

		State DOT- ion 11	Newark	City(NJ)	Norwall	c City(CT)	Ocean C	ounty(NJ)
	1999	2005	1999	2005	1999	2005	1999	2005
Describe agency's role in traffic signal control	!	NR	٨	IR	,	NR	NR	
Traffic Signals Operated by Agency								
Number of signalized intersections operated and owned by agency	NR	NR	NR	NR	NR	NR	NR	NR
Number of signalized intersections operated by agency but owned by another	NR	NR	NR	NR	NR	NR	NR	NR
Total number of signalized intersections operated by agency	NR	NR	445	455	78	83	313	350
Characteristics of signalized intersections that agency operates				100		1	2.0	
Under closed loop or central system control	NR	NR	120	250	63	65	4	64
Under real-time traffic adaptive control using advanced software	NR	NR	0	0	0	0	0	0
Using SCOOT	No	IVIX	No		No		No	
Using SCATS	No		No		No		No	
Name of software		NR	-	NR NR		N	R	
Allow signal preemption for emergency vehicles	NR	NR	0	60	15	16	27	80
Allow signal priority for transit vehicles	NR	NR	0	60	7	8	0	0
Within 200 feet of a highway-rail intersection	NR	NR	0	0	2	2	0	0
Within 200 feet of a highway-rail intersection that adjust signal timing	NR	NR	1	20	1	1	0	0
Software used to control the signals agency operates								
Date of last upgrade to traffic signal control system software?	1	NR	١	IR	1	NR	N	R
How often do you update signal timing?	1	NR	N	IR	1	NR	N	R
Software used and number of signalized intersections under control (1999, 2005)	!	NR	NR		NR		N	R
Controllers used to control signals								
NEMA	0	0	0	0	0	0	0	0
170/179	0	0	0	0	0	0	0	0
2070 controller	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Technologies Associated with Highway-Rail Intersections								

		State DOT-		07.411)		0" (07)		4.4010
	1999	ion 11 2005	Newark 1999	City(NJ) 2005	1999	City(CT) 2005	1999	ounty(NJ) 2005
Total number of highway-rail intersections under electronic surveillance	NR	NR	0	1	NR	NR	NR	NR
Highway-Rail intersection capabilities	INIX	INIX	0	'	IVIX	IVIX	INIX	INIX
Video surveillance	0	0	0	0	0	0	0	0
Electronic surveillance other than video	0	0	0	0	0	0	0	0
Ability to predict train arrival electronically	0	0	0	0	0	0	0	0
Equipped with electronic traffic violator devices	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Real-Time Electronic Traffic Data Collection Technologies	-	U	0	U	0	0	U	U
Total number of signalized intersections covered by electronic surveillance	NR	NR	NR	NR	NR	NR	NR	NR
Number of signalized intersections with data collection technologies	INIX	INIX	INIX	INIX	INIX	INIX	INIX	INIX
Loop detectors	0	0	0	0	0	0	0	0
Video detection cameras	0	0	0	0	0	0	0	0
Probe readers reading toll tags	0	0	0	0	0	0	0	0
ů ů	0	0	0	0	0	0	0	0
Probe readers reading license plates Other	0	0	0	0	0	0	0	0
Roadside Technologies used to Distribute Traveler Information	U	U	U	U	U	U	U	U
-								
Number deployed	NR	NR	NR	NR	NR	NR	NR	NR
Highway Advisory Radio In-Vehicle Signing (IVS)	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR
VMS controlling parking access	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR
	NK	NR	NK	NR	INK	NR	NR	NR
Miles covered	ND	ND	ND	ND	ND	ND	ND	ND
Highway Advisory Radio	NR	NR	NR	NR	NR	NR	NR	NR
In-Vehicle Signing (IVS)	NR	NR	NR	NR	NR	NR	NR	NR
Variable Message Signs (VMS) on Arterials	ND	ND	10	00	0	4	ND	ND
Candidate locations for deployment of VMS where VMS has been deployed	NR	NR	10	20	0	4	NR	NR
Candidate locations for deployment of VMS	NR	NR	10	20	4	4	NR	NR
Communication Technologies								
Signalized intersections communicated with by each type of communication				•			•	
Twisted pair cable	0	0	0	0	0	0	0	0
Coaxial cable	0	0	0	0	0	0	0	0
Fiber-optic cable	0	0	0	0	0	0	0	0
Other (e.g., wireless, dial-up modems, leased lines, etc.)	0	0	0	0	0	0	0	0
Does agency convey information on highway-rail intersection crossing								
status to travelers via roadside media such as VMS or HAR?	No		No		No		No	
ITS Standards Used Related to Traffic Signal Control								
Advanced Transportation Controller (ATC) Software Application Interface (ITE 9603-1)	No		No		No		No	
ATC Physical Cabinet Functional Design (ITE-9603-2)	No		No		No		No	
ATC Functionality and Interface Definitions (ITE-9603-3)	No		No		No		No	
Natl. Trans. Communications for ITS Protocol (NTCIP) Class B Profile (AASHTO TS 3.3)	No		No		No		No	
NTCIP Data Collection and Monitoring Devices (AASHTO TS 3.DCM)	No		No		No		No	
NTCIP Object Definitions for Video Camera Control (AASHTO TS 3.VCC)	No		No		No		No	
NTCIP Object Definitions for Actuated Traffic Signal Controller Units (AASHTO TS 3.5)	No		No		No		No	

	New York	State DOT-						
	Reg	ion 11	Newark	City(NJ)	Norwalk	City(CT)	Ocean C	ounty(NJ)
	1999	2005	1999	2005	1999	2005	1999	2005
Would agency be willing to participate in testing of ITS Standards?	NR		NR		NR		NR	
Have agreements in place with other agencies to use similar hardware								
and software to aid maintenance and interoperability?	NR		NR		NR		NR	
INCIDENT MANAGEMENT ON ARTERIAL STREETS								
Receive information on highway-rail intersection crossing blockages for								
the purpose of managing incident response?	No		No		No		No	
Use of Service Patrols to Assist in Detection and Response to Incidents								
Publicly operated service patrol vehicles	No		No		No		No	
Privately operated service patrol vehicles operated under public contract	No		No		No		No	
Total number of arterial miles patrolled by these services	NR	NR	NR	NR	NR	NR	NR	NR
Miles Covered by Methods to Detect and Verify Incidents								
Free cellular phone call to a dedicated phone number other than 911	0	0	0	0	0	0	0	0
Free cellular phone call to an area radio station	0	0	0	0	0	0	0	0
Police patrols	0	0	0	0	0	0	0	0
Computer algorithms linked to traffic surveillance equipment	0	0	0	0	0	0	2	24
CCTV	0	0	0	0	6	10	0	0
Private sector sources (e.g., Shadow Traffic, Smart Routes)	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Procedures in place for Arterial Incident Response?								
Working agreement(s)/arrangement(s) with other agencies	No		No		No		No	
Inter-agency incident management admin. team that meets regularly	No		No		No		No	
Major incident response team that responds to major incidents	No		No		No		No	
Set of goals/objectives for incident mgt that has been adopted by agencies in region	No		No		No		No	
Methods of Communication Used On-Site at an Incident								
Police								
Two-way radio	No		No		No		No	
800 MHz trunked radio	No		No		No		No	
Cellular telephone	No		No		No		No	
Hand-held (i.e., walkie-talkie)	No		No		No		No	
Automated data systems (i.e., CAD)	No		No		No		No	
Other	No		No		No		No	
<u>Fire</u>								
Two-way radio	No		No		No		No	
800 MHz trunked radio	No		No		No		No	
Cellular telephone	No		No		No		No	
Hand-held (i.e., walkie-talkie)	No		No		No		No	
Automated data systems (i.e., CAD)	No		No		No		No	
Other	No		No		No		No	

	New York State DOT-						Ocean County(NJ)   1999   2005	
		ion 11	Newark	City(NJ)	Norwalk	City(CT)	Ocean C	County(NJ)
	1999	2005	1999	2005	1999	2005	1999	2005
DOT								
Two-way radio	No		No		No		No	
800 MHz trunked radio	No		No		No		No	
Cellular telephone	No		No		No			
Hand-held (i.e., walkie-talkie)	No		No		No		No	
Automated data systems (i.e., CAD)	No		No		No		No	
Other	No		No		No		No	
Towing								
Two-way radio	No		No		No		No	
800 MHz trunked radio	No		No		No			
Cellular telephone	No		No		No			
Hand-held (i.e., walkie-talkie)	No		No		No			
Automated data systems (i.e., CAD)	No		No		No			
Other	No		No		No			
Which police agencies typically respond to incidents on arterials?								
State Police	No		No		No		No	
County Police or Sheriff	No		No		No		No	
City Police	No		No		No		No	
Who provides on-site emergency medical response?								
Fire	No		No		No		No	
Emergency Management Service Agency	No		No		No		No	
Private hospital	No		No		No		No	
Has a multi-agency contact list been developed in area containing the								
names, phone numbers, etc. for the appropriate response personnel?	NR		NR		NR		NR	
Is the Incident Command System used to manage incident scenes?	NR		NR		NR		NR	
Is there a legal specification by state law or formal agreement as to who								
is "in charge" at the incident scene?								
Specified by state law?	No		No		No		No	
Formal agreement?	No		No		No		No	
Not specified or don't know?	No		No		No		No	
On-scene command post used to manage activities of responding agencies?	NR		NR		NR		NR	
Are there communication linkages to a communications traffic/freeway mgt center?	NR		NR		NR		NR	
Plan developed and adopted by responding agencies for staging and parking								
response vehicles and equip. at incident site that minimizes lane blockage								
and facilitates the re-opening of lanes?	NR		NR		NR		NR	
Respondents protected through law or court opinion for liability claims								
for damages to vehicles or cargoes during clearance activities?	NR		NR		NR		NR	
Are overturned tank trucks, which are intact and not leaking, uprighted								
without first off-loading?	NR		NR		NR		NR	

#### Arterial Management

	New York State DOT- Region 11		Newark City(NJ)		Norwalk City(CT)		Ocean C	ounty(NJ)
	1999	2005	1999	2005	1999	2005	1999	2005
Does your state or local jurisdiction have a law that requires drivers								
involved in property-damage-only accidents to move the vehicles								
from travel lanes to a safe location to exchange info and wait for police?	NR		NR		NR		NR	
Have laws or policies regarding the removal of stalled/abandoned vehicles								
from freeway shoulders?	NR		NR		NR		NR	
Hours abandoned vehicles are allowed to remain on a freeway shoulder?	NR		NR		NR		NR	
Have policies or procedures for quick removal of vehicles?	NR		NR		NR		NR	
Is Total Station equipment used to investigate major incidents?	NR		NR		NR		NR	
Handling of Towing Responses to Incidents								
Formal contract based on qualifications?	No		No		No		No	
Rotation with companies under contract?	No		No		No		No	
Separate lists kept for light and heavy response and for specialty recovery?	NR		NR		NR		NR	
Rotation list with minimal qualifications?	No		No		No		No	
In towing qualifications, do you require towers to be certified under the								
Towing and Recovery Ass. of America's National Drivers Cert. Program?	NR		NR		NR		NR	
DK: Don't know								
NR: No Response								
Leg: Legislation or action being planned								

	Ramapo	Town(NJ)	Smithto	wn Town	Somers	et County	Stamford	City(CT)
	1999	2005	1999	2005	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes		Yes		Yes	
ARTERIAL MANAGEMENT SECTION								
Number of arterial miles that agency owns or maintains	241		NR		245		NR	
Number of arterial miles that is used for planning	0		NR		45		NR	
Number of highway-rail intersections that agency maintains	0		NR		0		4	
Number of highway-rail intersections that is used for planning	0		NR		39		NR	
Type of facilities used to conduct arterial management activities								
Activities housed in a free-standing dedicated building?	No		No		No		No	
Activities housed in a building shared with other activities?	No		No		Yes		No	
Activities conducted in a dedicated control room?	No		No		No		No	
Control room contains operator console(s)?	No		No		No		No	
Control room contains electronic wall map?	No		No		No		No	
Control room contains CCTV display(s)?	No		No		No		No	
Activities conducted in a room containing workstations or PCs that manage traffic?	No		No		Yes		No	
Facilities are electronically linked to other transportation mgt facilities?	No		No		No		No	
Staffing and hours of operation of arterial management activities								
Number of full-time agency staff members	NR		NR		0		NR	
Number of full time contractor staff members	NR		NR		0		NR	
Number of part-time agency staff members	NR		NR		2		NR	
Number of part-time contractor staff members	NR		NR		0		NR	
Staffed 24 hours day by agency staff or by others	NR		NR		NR		NR	
Staffed during peak hours only by agency staff or by others	NR		NR		NR		NR	
Staffed by others during off-peak hours	No		No		No		No	
Agency staff perform transportation management as an ancillary duty	No		No		No		No	
Agency staff dedicated to transportation management duty	No		No		No		No	
Types of operations conducted for arterial management								
Incident detection and management?	No		No		No		No	
This metropolitan area?	No		No		No		No	
Other metropolitan area?	No		No		No		No	
Monitoring and troubleshooting status of system components?	No		No		Yes		No	
Radio communications with other agencies?	No		No		No		No	
Exchange of electronic data with other agencies such as computer aided dispatch?	No		No		Yes		No	
Manual override of traffic signal timing plans	No		No		Yes		No	
Operating transportation mgt roadside devices (e.g., VMS, CCTV, etc.)	No		No		No		No	

	·	Town(NJ)		wn Town		et County		City(CT)
	1999	2005	1999	2005	1999	2005	1999	2005
Describe agency's role in traffic signal control	roads in the area of and	ignals on all unincorporated villages except routes.	signals on Maintain sigr road and vehicles p system on	nd maintain town roads. nals on county emergency re-emption state roads of Smithtown.	County r	outes only	N	R
Traffic Signals Operated by Agency								
Number of signalized intersections operated and owned by agency	NR	NR	60	65	100	115	NR	NR
Number of signalized intersections operated by agency but owned by another	0	0	32	37	0	0	NR	NR
Total number of signalized intersections operated by agency	19	19	92	102	100	115	180	190
Characteristics of signalized intersections that agency operates		1	7-			1	. 30	.00
Under closed loop or central system control	19	19	7	4	2	5	120	150
Under real-time traffic adaptive control using advanced software	0	0	0	NR	0	0	0	0
Using SCOOT	No		No		No	Ü	No	
Using SCATS	No		No		No		No	
Name of software		VR	N	IR	1	VR	N	R
Allow signal preemption for emergency vehicles	19	19	50	NR	2	5	150	150
Allow signal priority for transit vehicles	0	0	50	NR	0	0	0	5
Within 200 feet of a highway-rail intersection	0	0	2	NR	2	2	5	5
Within 200 feet of a highway-rail intersection that adjust signal timing	0	0	2	NR	0	0	5	5
Software used to control the signals agency operates								
Date of last upgrade to traffic signal control system software?	n	one	19	998	one	year NR		R
How often do you update signal timing?	grour	nd loops	as ned	cessary	two	years	N	R
Software used and number of signalized intersections under control (1999, 2005)		NR	Kentron System Software, 7, NR		Peek Closed Loop Mats, 15, 20 PEEK SMARTWAYS, 90, 115		N	R
Controllers used to control signals								
NEMA	0	0	55	NR	0	0	0	0
170/179	0	0	0	0	0	0	0	0
2070 controller	0	0	0	0	0	0	0	0
Other	0	0	21	0	100	115	0	0
Technologies Associated with Highway-Rail Intersections								

	I		1					
		T (1)	0 311.4	_			01 6	1 O'' (OT)
	· ·	Town(NJ)		wn Town	<b>†</b>	et County		City(CT)
	1999	2005	1999	2005	1999	2005	1999	2005
Total number of highway-rail intersections under electronic surveillance	NR	NR	2	NR	5	25	NR	NR
Highway-Rail intersection capapbilities			•			0.5	•	
Video surveillance	0	0	0	0	5	25	0	0
Electronic surveillance other than video	0	0	0	0	0	0	0	0
Ability to predict train arrival electronically	0	0	2	NR	0	0	0	0
Equipped with electronic traffic violator devices	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Real-Time Electronic Traffic Data Collection Technologies								
Total number of signalized intersections covered by electronic surveillance	NR	NR	NR	NR	100	115	NR	NR
Number of signalized intersections with data collection technologies								
Loop detectors	0	0	0	0	95	90	0	0
Video detection cameras	0	0	0	0	5	25	0	0
Probe readers reading toll tags	0	0	0	0	0	0	0	0
Probe readers reading license plates	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Roadside Technologies used to Distribute Traveler Information								
Number deployed								
Highway Advisory Radio	NR	NR	NR	NR	NR	NR	NR	NR
In-Vehicle Signing (IVS)	NR	NR	NR	NR	NR	NR	NR	NR
VMS controlling parking access	NR	NR	NR	NR	NR	NR	NR	NR
Miles covered								
Highway Advisory Radio	NR	NR	NR	NR	NR	NR	NR	NR
In-Vehicle Signing (IVS)	NR	NR	NR	NR	NR	NR	NR	NR
Variable Message Signs (VMS) on Arterials								
Candidate locations for deployment of VMS where VMS has been deployed	NR	NR	NR	NR	NR	NR	NR	NR
Candidate locations for deployment of VMS	NR	NR	NR	NR	NR	NR	NR	NR
Communication Technologies								
Signalized intersections communicated with by each type of communication								
Twisted pair cable	0	0	0	0	0	0	0	0
Coaxial cable	0	0	0	0	0	1	0	0
Fiber-optic cable	0	0	0	0	1	5	0	0
Other (e.g., wireless, dial-up modems, leased lines, etc.)	0	0	7	0	1	5	0	0
Does agency convey information on highway-rail intersection crossing								
status to travelers via roadside media such as VMS or HAR?	No		No		No		No	
ITS Standards Used Related to Traffic Signal Control								
Advanced Transportation Controller (ATC) Software Application Interface (ITE 9603-1)	No		No		No		No	
ATC Physical Cabinet Functional Design (ITE-9603-2)	No		No		No		No	
ATC Functionality and Interface Definitions (ITE-9603-3)	No		No		No		No	
Natl. Trans. Communications for ITS Protocol (NTCIP) Class B Profile (AASHTO TS 3.3)	No		No		No		No	
NTCIP Data Collection and Monitoring Devices (AASHTO TS 3.DCM)	No		No		No		No	
NTCIP Object Definitions for Video Camera Control (AASHTO TS 3.VCC)	No		No		No		No	
NTCIP Object Definitions for Actuated Traffic Signal Controller Units (AASHTO TS 3.5)	No		No		No		No	

	1		1		I		1	
	Ramapo	Town(NJ)	Smithto	wn Town	Somers	et County	Stamford	City(CT)
	1999	2005	1999	2005	1999	2005	1999	2005
Would agency be willing to participate in testing of ITS Standards?	Yes		Yes		Yes		NR	
Have agreements in place with other agencies to use similar hardware								
and software to aid maintenance and interoperability?	No		Yes		No		NR	
INCIDENT MANAGEMENT ON ARTERIAL STREETS								
Receive information on highway-rail intersection crossing blockages for								
the purpose of managing incident response?	No		No		Yes		No	
Use of Service Patrols to Assist in Detection and Response to Incidents								
Publicly operated service patrol vehicles	No		No		No		No	
Privately operated service patrol vehicles operated under public contract	No		No		No		No	
Total number of arterial miles patrolled by these services	NR	NR	NR	NR	NR	NR	NR	NR
Miles Covered by Methods to Detect and Verify Incidents								
Free cellular phone call to a dedicated phone number other than 911	0	0	0	0	0	0	0	0
Free cellular phone call to an area radio station	0	0	0	0	0	0	0	0
Police patrols	241	241	0	0	0	0	0	0
Computer algorithms linked to traffic surveillance equipment	0	0	0	0	0	0	0	0
CCTV	0	0	0	0	0	0	0	0
Private sector sources (e.g., Shadow Traffic, Smart Routes)	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Procedures in place for Arterial Incident Response?								
Working agreement(s)/arrangement(s) with other agencies	No		No		Yes		No	
Inter-agency incident management admin. team that meets regularly	No		No		No		No	
Major incident response team that responds to major incidents	No		No		Yes		No	
Set of goals/objectives for incident mgt that has been adopted by agencies in region	No		No		No		No	
Methods of Communication Used On-Site at an Incident								
Police								
Two-way radio	Yes		No		Yes		No	
800 MHz trunked radio	No		No		No		No	
Cellular telephone	No		No		Yes		No	
Hand-held (i.e., walkie-talkie)	No		No		Yes		No	
Automated data systems (i.e., CAD)	No		No		Yes		No	
Other	No		No		Yes		No	
Fire								
Two-way radio	Yes		No		Yes		No	
800 MHz trunked radio	No		No		No		No	
Cellular telephone	No		No		Yes		No	
Hand-held (i.e., walkie-talkie)	No		No		Yes		No	
Automated data systems (i.e., CAD)	No		No		Yes		No	
Other	No		No		Yes		No	

		Town(NJ)	1	wn Town		et County	1	City(CT)
	1999	2005	1999	2005	1999	2005	1999	2005
<u>DOT</u>								
Two-way radio	No		No		Yes		No	
800 MHz trunked radio	No		No		No		No	
Cellular telephone	No		No		Yes		No	
Hand-held (i.e., walkie-talkie)	No		No		Yes		No	
Automated data systems (i.e., CAD)	No		No		No		No	
Other	No		No		Yes		No	
Towing								
Two-way radio	No		No		Yes		No	
800 MHz trunked radio	No		No		No		No	
Cellular telephone	No		No		Yes		No	
Hand-held (i.e., walkie-talkie)	No		No		Yes		No	
Automated data systems (i.e., CAD)	No		No		No		No	
Other	No		No		No		No	
Which police agencies typically respond to incidents on arterials?								
State Police	Yes		No		Yes		No	
County Police or Sheriff	Yes		No		No		No	
City Police	Yes		No		Yes		No	
Who provides on-site emergency medical response?								
Fire	Yes		No		No		No	
Emergency Management Service Agency	Yes		No		Yes		No	
Private hospital	No		No		No		No	
Has a multi-agency contact list been developed in area containing the								
names, phone numbers, etc. for the appropriate response personnel?	DK		NR		Yes		NR	
Is the Incident Command System used to manage incident scenes?	DK		NR		Yes		NR	
Is there a legal specification by state law or formal agreement as to who								
is "in charge" at the incident scene?								
Specified by state law?	No		No		Yes		No	
Formal agreement?	No		No		No		No	
Not specified or don't know?	Yes		No		No		No	
On-scene command post used to manage activities of responding agencies?	DK		NR		Yes		NR	
Are there communication linkages to a communications traffic/freeway mgt center?	NR		NR		Yes		NR	
Plan developed and adopted by responding agencies for staging and parking								
response vehicles and equip. at incident site that minimizes lane blockage								
and facilitates the re-opening of lanes?	DK		NR		Yes		NR	
Respondents protected through law or court opinion for liability claims								
for damages to vehicles or cargoes during clearance activities?	DK		NR		DK		NR	
Are overturned tank trucks, which are intact and not leaking, uprighted								
without first off-loading?	No		NR		No		NR	

	Ramapo	Town(NJ)	Smithtown Town		Somers	et County	Stamford	City(CT)
	1999	2005	1999	2005	1999	2005	1999	2005
Does your state or local jurisdiction have a law that requires drivers								
involved in property-damage-only accidents to move the vehicles								
from travel lanes to a safe location to exchange info and wait for police?	No		NR		NR		NR	
Have laws or policies regarding the removal of stalled/abandoned vehicles								
from freeway shoulders?	No		NR		No		NR	
Hours abandoned vehicles are allowed to remain on a freeway shoulder?	DK		NR		DK		NR	
Have policies or procedures for quick removal of vehicles?	Yes		NR		No		NR	
Is Total Station equipment used to investigate major incidents?	No		NR		Yes		NR	
Handling of Towing Responses to Incidents								
Formal contract based on qualifications?	Yes		No		No		No	
Rotation with companies under contract?	No		No		Yes		No	
Separate lists kept for light and heavy response and for specialty recovery?	NR		NR		Yes		NR	
Rotation list with minimal qualifications?	No		No		No		No	
In towing qualifications, do you require towers to be certified under the								
Towing and Recovery Ass. of America's National Drivers Cert. Program?	DK		NR		DK		NR	
DK: Don't know								
NR: No Response								
Leg: Legislation or action being planned								

	Union City	- New Jersey	Warrer	County	Westches	ster County	Tot	als
	1999	2005	1999	2005	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes		Yes		35	
ARTERIAL MANAGEMENT SECTION								
Number of arterial miles that agency owns or maintains	NR		NR		179		8,645	
Number of arterial miles that is used for planning	NR		NR		20		7,885	
Number of highway-rail intersections that agency maintains	NR		NR		0		141	
Number of highway-rail intersections that is used for planning	NR		NR		0		42	
Type of facilities used to conduct arterial management activities								
Activities housed in a free-standing dedicated building?	No		No		No		2	
Activities housed in a building shared with other activities?	No		No		Yes		7	
Activities conducted in a dedicated control room?	No		No		Yes		7	
Control room contains operator console(s)?	No		No		No		5	
Control room contains electronic wall map?	No		No		Yes		5	
Control room contains CCTV display(s)?	No		No		No		3	
Activities conducted in a room containing workstations or PCs that manage traffic?	No		No		Yes		10	
Facilities are electronically linked to other transportation mgt facilities?	No		No		No		2	
Staffing and hours of operation of arterial management activities								
Number of full-time agency staff members	NR		NR		NR		51	
Number of full time contractor staff members	NR		NR		NR		55	
Number of part-time agency staff members	NR		NR		NR		2	
Number of part-time contractor staff members	NR		NR		NR		0	
Staffed 24 hours day by agency staff or by others	NR		NR		NR			
Staffed during peak hours only by agency staff or by others	NR		NR		NR		0	
Staffed by others during off-peak hours	No		No		No		0	
Agency staff perform transportation management as an ancillary duty	No		No		Yes		2	
Agency staff dedicated to transportation management duty	No		No		No		3	
Types of operations conducted for arterial management								
Incident detection and management?	No		No		No		4	
This metropolitan area?	No		No		No		4	
Other metropolitan area?	No		No		No		1	
Monitoring and troubleshooting status of system components?	No		No		Yes		9	
Radio communications with other agencies?	No		No		No		2	
Exchange of electronic data with other agencies such as computer aided dispatch?	No		No		No		1	
Manual override of traffic signal timing plans	No		No		Yes		8	
Operating transportation mgt roadside devices (e.g., VMS, CCTV, etc.)	No		No		Yes		5	

		- New Jersey		n County		ester County		tals
	1999	2005	1999	2005	1999	2005	1999	2005
Describe agency's role in traffic signal control	1	NR	County r	outes only	on county ro	Traffic Signals pads, scattered municipalities.		
Traffic Signals Operated by Agency								
Number of signalized intersections operated and owned by agency	NR	NR	2	NR	65	65	15,665	16,432
Number of signalized intersections operated by agency but owned by another	NR	NR	NR	NR	0	NR	542	602
Total number of signalized intersections operated by agency	150	NR	2	NR	65	65	31,702	29,376
Characteristics of signalized intersections that agency operates							,	,
Under closed loop or central system control	0	NR	0	NR	15	36	15,741	22,257
Under real-time traffic adaptive control using advanced software	0	NR	0	NR	0	21	0	126
Using SCOOT	No		No		No		0	
Using SCATS	No		No		No		0	
Name of software	1	VR	1	NR	ı	NR		
Allow signal preemption for emergency vehicles	0	NR	0	NR	0	0	1,459	2,261
Allow signal priority for transit vehicles	0	NR	0	NR	0	0	130	689
Within 200 feet of a highway-rail intersection	0	NR	0	NR	0	0	113	80
Within 200 feet of a highway-rail intersection that adjust signal timing	0	NR	0	NR	0	0	109	98
Software used to control the signals agency operates								
Date of last upgrade to traffic signal control system software?	1	NR	1	NR	1	994		
How often do you update signal timing?	1	NR	1	NR		plaints from torists		
Software used and number of signalized intersections under control (1999, 2005)		NR	١	NR	Quicknet 4/N 0 NYSDOT TA 32 Modified UT0	nware, 40, 10 MIST or Equal, , 36 APS Firmware, 2, 20 CS System Tra- stem, 15, 0		
Controllers used to control signals								
NEMA	0	0	0	0	33	5	3,373	2,620
170/179	0	0	0	0	32	60	1,860	1,825
2070 controller	0	0	0	0	0	0	0	60
Other	0	0	1	0	0	0	122	3,115
Technologies Associated with Highway-Rail Intersections								ı

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	Haira Oita	Nam Israel	10/	0	10/		Total	
	-	- New Jersey		County		ter County	1999	als
Tatal woman of high converting and an algebraic converting	1999	<b>2005</b> NR	1999	2005	<b>1999</b> NR	<b>2005</b> NR	1 <b>999</b> 20	<b>2005</b> 42
Total number of highway-rail intersections under electronic surveillance	0	INK	NR	NR	INK	INK	20	42
Highway-Rail intersection capapbilities	0	0	0	0	0	0	5	28
Video surveillance	_	·		0	0	-		
Electronic surveillance other than video	0	0	0		, ,	0	0	0
Ability to predict train arrival electronically	0	0	0	0	0	0	15	13
Equipped with electronic traffic violator devices	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Real-Time Electronic Traffic Data Collection Technologies								
Total number of signalized intersections covered by electronic surveillance	NR	NR	NR	NR	15	36	1,085	1,975
Number of signalized intersections with data collection technologies								
Loop detectors	0	0	0	0	15	36	1,062	1,764
Video detection cameras	0	0	0	0	0	0	108	366
Probe readers reading toll tags	0	0	0	0	0	0	0	50
Probe readers reading license plates	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Roadside Technologies used to Distribute Traveler Information								
Number deployed								
Highway Advisory Radio	NR	NR	NR	NR	NR	NR	32	45
In-Vehicle Signing (IVS)	NR	NR	NR	NR	NR	NR	0	0
VMS controlling parking access	NR	NR	NR	NR	NR	NR	0	5
Miles covered								
Highway Advisory Radio	0	NR	NR	NR	NR	NR	143	226
In-Vehicle Signing (IVS)	0	NR	NR	NR	NR	NR	0	10
Variable Message Signs (VMS) on Arterials								
Candidate locations for deployment of VMS where VMS has been deployed	0	NR	NR	NR	1	3	232	264
Candidate locations for deployment of VMS	0	NR	NR	NR	2	0	138	285
Communication Technologies								
Signalized intersections communicated with by each type of communication								
Twisted pair cable	0	0	0	0	15	15	2,319	1,870
Coaxial cable	0	0	0	0	0	0	2,800	2,801
Fiber-optic cable	0	0	0	0	0	0	317	1.845
Other (e.g., wireless, dial-up modems, leased lines, etc.)	0	0	0	1	0	21	3.900	6.199
Does agency convey information on highway-rail intersection crossing		-	-		-		5,555	2,122
status to travelers via roadside media such as VMS or HAR?	No		No		No		0	
ITS Standards Used Related to Traffic Signal Control								
Advanced Transportation Controller (ATC) Software Application Interface (ITE 9603-1)	No		No		No		1	
ATC Physical Cabinet Functional Design (ITE-9603-2)	No		No		No		0	
ATC Functionality and Interface Definitions (ITE-9603-3)	No		No		No		1	
Natl. Trans. Communications for ITS Protocol (NTCIP) Class B Profile (AASHTO TS 3.3)	No		No		No		1	
NTCIP Data Collection and Monitoring Devices (AASHTO TS 3.DCM)	No		No		No		0	
NTCIP Object Definitions for Video Camera Control (AASHTO TS 3.VCC)	No		No		No		0	
NTCIP Object Definitions for Actuated Traffic Signal Controller Units (AASHTO TS 3.5)	No		No		No		1	

	Union City	- New Jersey	Warren	County		ster County		tals
	1999	2005	1999	2005	1999	2005	1999	2005
Would agency be willing to participate in testing of ITS Standards?	NR		No		Yes		11	
Have agreements in place with other agencies to use similar hardware								
and software to aid maintenance and interoperability?	NR		No		Yes		9	
INCIDENT MANAGEMENT ON ARTERIAL STREETS								
Receive information on highway-rail intersection crossing blockages for								
the purpose of managing incident response?	No		No		No		2	
Use of Service Patrols to Assist in Detection and Response to Incidents								
Publicly operated service patrol vehicles	No		No		No		2	
Privately operated service patrol vehicles operated under public contract	No		No		No		0	
Total number of arterial miles patrolled by these services	NR	NR	NR	NR	NR	NR	0	
Miles Covered by Methods to Detect and Verify Incidents								
Free cellular phone call to a dedicated phone number other than 911	0	0	0	0	0	0	20	50
Free cellular phone call to an area radio station	0	0	0	0	0	0	0	0
Police patrols	0	0	0	0	0	0	941	941
Computer algorithms linked to traffic surveillance equipment	0	0	0	0	0	0	143	429
CCTV	0	0	0	0	0	0	268	970
Private sector sources (e.g., Shadow Traffic, Smart Routes)	0	0	0	0	0	0	200	200
Other	0	0	0	0	0	0	200	200
Procedures in place for Arterial Incident Response?								
Working agreement(s)/arrangement(s) with other agencies	No		No		No		5	
Inter-agency incident management admin. team that meets regularly	No		No		No		4	
Major incident response team that responds to major incidents	No		No		No		4	
Set of goals/objectives for incident mgt that has been adopted by agencies in region	No		No		No		1	
Methods of Communication Used On-Site at an Incident								
Police								
Two-way radio	No		Yes		No		5	
800 MHz trunked radio	No		No		No		1	
Cellular telephone	No		No		No		2	
Hand-held (i.e., walkie-talkie)	No		No		No		2	
Automated data systems (i.e., CAD)	No		Yes		No		2	
Other	No		No		No		2	
<u>Fire</u>								
Two-way radio	No		Yes		No		4	
800 MHz trunked radio	No		No		No		1	
Cellular telephone	No		No		No		1	
Hand-held (i.e., walkie-talkie)	No		No		No		1	
Automated data systems (i.e., CAD)	No		No		No		1	
Other	No		No		No		2	

		- New Jersey		County		ter County		tals
	1999	2005	1999	2005	1999	2005	1999	2005
<u>DOT</u>								
Two-way radio	No		Yes		No		5	
800 MHz trunked radio	No		No		No		1	
Cellular telephone	No		Yes		No		5	
Hand-held (i.e., walkie-talkie)	No		No		No		1	
Automated data systems (i.e., CAD)	No		No		No		0	
Other	No		No		No		2	
Towing								
Two-way radio	No		No		No		1	
800 MHz trunked radio	No		No		No		0	
Cellular telephone	No		Yes		No		2	
Hand-held (i.e., walkie-talkie)	No		No		No		1	
Automated data systems (i.e., CAD)	No		No		No		0	
Other	No		No		No		0	
Which police agencies typically respond to incidents on arterials?								
State Police	No		Yes		No		4	
County Police or Sheriff	No		No		No		4	
City Police	No		Yes		No		5	
Who provides on-site emergency medical response?								
Fire	No		No		No		4	
Emergency Management Service Agency	No		No		No		2	
Private hospital	No		No		No		1	
Has a multi-agency contact list been developed in area containing the								
names, phone numbers, etc. for the appropriate response personnel?	NR		No		NR		4	
Is the Incident Command System used to manage incident scenes?	NR		No		NR		2	
Is there a legal specification by state law or formal agreement as to who								
is "in charge" at the incident scene?								
Specified by state law?	No		Yes		No		2	
Formal agreement?	No		No		No		0	
Not specified or don't know?	No		No		No		6	
On-scene command post used to manage activities of responding agencies?	NR		DK		NR		3	
Are there communication linkages to a communications traffic/freeway mgt center?	NR		NR		NR		3	
Plan developed and adopted by responding agencies for staging and parking								
response vehicles and equip. at incident site that minimizes lane blockage								
and facilitates the re-opening of lanes?	NR		DK		NR		2	
Respondents protected through law or court opinion for liability claims								
for damages to vehicles or cargoes during clearance activities?	NR		DK		NR		0	
Are overturned tank trucks, which are intact and not leaking, uprighted								
without first off-loading?	NR		NR		NR		1	

	Union City	- New Jersey	Warren County		Westchester County		Totals	
	1999	2005	1999	2005	1999	2005	1999	2005
Does your state or local jurisdiction have a law that requires drivers								
involved in property-damage-only accidents to move the vehicles								
from travel lanes to a safe location to exchange info and wait for police?	NR		NR		NR		0	
Have laws or policies regarding the removal of stalled/abandoned vehicles								
from freeway shoulders?	NR		NR		NR		3	
Hours abandoned vehicles are allowed to remain on a freeway shoulder?	NR		DK		NR		0	
Have policies or procedures for quick removal of vehicles?	NR		NR		NR		3	
Is Total Station equipment used to investigate major incidents?	NR		DK		NR		1	
Handling of Towing Responses to Incidents								
Formal contract based on qualifications?	No		No		No		2	
Rotation with companies under contract?	No		No		No		2	
Separate lists kept for light and heavy response and for specialty recovery?	NR		NR		NR		1	
Rotation list with minimal qualifications?	No		No		No		1	
In towing qualifications, do you require towers to be certified under the								
Towing and Recovery Ass. of America's National Drivers Cert. Program?	NR		NR		NR		1	
DK: Don't know								
NR: No Response								
Leg: Legislation or action being planned								

Appendix G Arterial Management Integration

	Baby	lon Town	Ba	yonne City(NJ)
Agency Name	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes	
Arterial Management Section				
Arterial Mgt. agencies in metropolitan area with which you share info.				
Share Timing Plans Information				
	Huntington Town, Islip			
	Town, Suffolk County	Suffolk County	None listed	None listed
Coordinate Changes to Timing Plans				
	Huntington Town, Islip	Huntington Town, Islip		
	Town, Suffolk County	Town, Suffolk County	None listed	None listed
Turn over Control of Signals				
	Suffolk County	Suffolk County	None listed	None listed
Agencies your agency provides arterial travel times, speeds, and				
conditions information, share infrastructure or coordinates operation				
Freeway Management Agencies				
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure	Titorio lioted	TTOTO HOLOG	Trono notou	Trone lieted
	None listed	None listed	None listed	None listed
Coordinate Operation	None listed	INOTIC IISICU	INOTIC IISICU	140He listed
Osordinate Operation				
	None listed	None listed	None listed	None listed
Incident Management Agencies				

	Babylo	on Town	Bayonn	e City(NJ)
Agency Name	1999	2005	1999	2005
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure	None listed	None listed	None listed	None listed
Share minastructure				
	Nama liatad	Nama lintad	Nama lintad	Nama lintad
Coordinate Operation	None listed	None listed	None listed	None listed
Coordinate Operation				
	None listed	None listed	None listed	None listed
Public Transit Operators Agencies				
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation				
	Nama liatad	Nama liatad	Name listed	Nama liatad
Autorial Management Agencies	None listed	None listed	None listed	None listed
Arterial Management Agencies Provide Information				
i iovide illioillation				
	None listed	None listed	None listed	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed

	Baby	lon Town	Bayonr	ne City(NJ)
Agency Name	1999	2005	1999	2005
Coordinate Operation				
	Nama lintad	Nama liatad	Name lieted	Nama liatad
Receiving real-time information via electronic means from others	None listed	None listed	None listed	None listed
Freeway Management agencies from which your agency receives				
The start of the s				
freeway travel times, speeds, and conditions	None listed	None listed	short survey	None listed
Public Transit operators from which your agency receives				
arterial travel times derived from vehicle probes	None listed	None listed	None listed	None listed
Incident Management agencies from which your agency receives				
incident clearance and/or incident severity, location, and type information				
	N. P. C. I	N. P. C.	N	N
Receive information on Incident Clearance	None listed	None listed	None listed	None listed
Descrive information on Incident Coverity Legation, and Type	None listed	None listed	None listed	None listed
Receive information on Incident Severity, Location, and Type  Toll Collection agencies from which your agency receives arterial travel	None listed	None listed	None listed	None listed
Toll Collection agencies from which your agency receives afterial travel				
times derived from vehicles probes	None listed	None listed	None listed	None listed
Arterial Incident Management Section				
Agencies your agency provides incident severity, location, and type info.				
and/or shares infrastructure and/or coordinates operation				
Emergency Management Agencies				
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure	None listed	None listed	None listed	None listed

	1	Babylon Town	Ba	Bayonne City(NJ)		
Agency Name	1999	2005	1999	2005		
Coordinate Operation	None listed	None listed	None listed	None listed		
Freeway Management Agencies						
Provide Information						
	None listed	None listed	None listed	None listed		
Share Infrastructure						
	None listed	None listed	None listed	None listed		
Coordinate Operation						
	None listed	None listed	None listed	None listed		
Public Transit Operators						
Provide Information						
	None listed	None listed	None listed	None listed		
Share Infrastructure						
	Name Bated	Niama Katad	Name Batani	Niere Beterl		
	None listed	None listed	None listed	None listed		
Coordinate Operation						
	None listed	None listed	None listed	None listed		
Receiving real-time information via electronic means from others	None listed	None listed	None listed	None listed		
Emergency Management agencies from which your agency receives						
arterial incident clearance and/or arterial incident severity						
Receive Arterial Incident Clearance Information	None listed	None listed	None listed	None listed		
Receive Arterial Incident Clearance Information  Receive Arterial Incident Severity Information	None listed	None listed	None listed	None listed		
Arterial Management agencies from which your agency receives	None listed	Notic listed	None listed	None listed		
Arterial management agencies from which your agency receives						
arterial travel times, speeds, and conditions	None listed	None listed	short survey	None listed		
Freeway Management agencies from which your agency receives						
freeway travel times, speeds, and conditions	None listed	None listed	None listed	None listed		

<sup>\*</sup>short survey: Agency responded using a short survey. The survey did not include names of individual agencies, but only identified whether integration exists.

	Ber	gen County(NJ)	Brio	lgeport City(CT)
Agency Name	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes	
Arterial Management Section				
Arterial Mgt. agencies in metropolitan area with which you share info.				
Share Timing Plans Information				
	None listed	None listed	None listed	None listed
Coordinate Changes to Timing Plans				
	None listed	None listed	None listed	None listed
Turn over Control of Signals				
	None listed	None listed	None listed	None listed
Agencies your agency provides arterial travel times, speeds, and	None listed	None listed	None listed	Notice listed
conditions information, share infrastructure or coordinates operation				
Freeway Management Agencies				
Provide Information				
Provide information				
	None listed	None listed	None listed	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation				
	None listed	None listed	None listed	None listed
Incident Management Agencies				

	Bergen C	ounty(NJ)	Bridgepo	rt City(CT)
Agency Name	1999	2005	1999	2005
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation				
	None listed	None listed	None listed	None listed
Public Transit Operators Agencies	Trone noted	TYONG HOLEG	TYONE HOLEG	Trone noted
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation				
	None listed	None listed	None listed	None listed
Arterial Management Agencies				
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure				
	N. P. C.	N	<b>.</b>	N. P. C.
	None listed	None listed	None listed	None listed

	Bergen	County(NJ)	Bridgep	port City(CT)
Agency Name	1999	2005	1999	2005
Coordinate Operation				
		l		
Describing weal time information via all atmosfs weapen from athems	None listed	None listed	None listed	None listed
Receiving real-time information via electronic means from others  Freeway Management agencies from which your agency receives				
Freeway Management agencies from which your agency receives				
freeway travel times, speeds, and conditions	None listed	None listed	None listed	None listed
Public Transit operators from which your agency receives	Trone noted	None noted	TTOTIC HOLCU	None noted
arterial travel times derived from vehicle probes	None listed	None listed	None listed	None listed
Incident Management agencies from which your agency receives	14011C listed	None listed	None listed	None iisted
incident clearance and/or incident severity, location, and type information				
Receive information on Incident Clearance	None listed	None listed	None listed	None listed
Receive information on Incident Severity, Location, and Type	None listed	None listed	None listed	None listed
Toll Collection agencies from which your agency receives arterial travel				
times derived from vehicles probes	None listed	None listed	None listed	None listed
Arterial Incident Management Section				
Agencies your agency provides incident severity, location, and type info.				
and/or shares infrastructure and/or coordinates operation				
Emergency Management Agencies				
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure	None listed	None listed	None listed	None listed

	Berg	gen County(NJ)	Brid	Bridgeport City(CT)	
Agency Name	1999	2005	1999	2005	
Coordinate Operation	None listed	None listed	None listed	None listed	
Freeway Management Agencies					
Provide Information					
	None listed	None listed	None listed	None listed	
Share Infrastructure					
	None listed	None listed	None listed	None listed	
Coordinate Operation					
	None listed	None listed	None listed	None listed	
Public Transit Operators					
Provide Information					
	None listed	None listed	None listed	None listed	
Share Infrastructure					
		N	N	N P ( )	
	None listed	None listed	None listed	None listed	
Coordinate Operation					
	None listed	None listed	None listed	None listed	
Receiving real-time information via electronic means from others	None listed	None listed	None listed	None listed	
Emergency Management agencies from which your agency receives					
arterial incident clearance and/or arterial incident severity					
Receive Arterial Incident Clearance Information	None listed	None listed	None listed	None listed	
Receive Arterial Incident Severity Information	None listed	None listed	None listed	None listed	
Arterial Management agencies from which your agency receives	TVOTIC listed	I VOTIC IISTCU	TVOTIC IISTCC	14011C listCu	
Alterial management agencies from which your agency receives					
arterial travel times, speeds, and conditions	None listed	None listed	None listed	None listed	
Freeway Management agencies from which your agency receives					
freeway travel times, speeds, and conditions	None listed	None listed	None listed	None listed	

<sup>\*</sup>short survey: Agency responded using a short survey. The survey did not include names of individual agencies, but only identified whether integration exists.

	CI	lifton City(NJ)	Connecticut Depar	Connecticut Department of Transportation(CT)	
Agency Name	1999	2005	1999	2005	
Agency Returned Survey?	Yes		Yes		
Arterial Management Section					
Arterial Mgt. agencies in metropolitan area with which you share info.					
Share Timing Plans Information					
	None listed	None listed	None listed	None listed	
Coordinate Changes to Timing Plans					
	None listed	None listed	short survey	None listed	
Turn over Control of Signals					
	None listed	None listed	None listed	None listed	
Agencies your agency provides arterial travel times, speeds, and	None listed	Notic listed	None listed	Notice listed	
conditions information, share infrastructure or coordinates operation					
Freeway Management Agencies					
Provide Information					
r rovide information					
	None listed	None listed	None listed	None listed	
Share Infrastructure	Trene neted	TTOTIO IICICA	TTOTIO IIOCOU	Tione noted	
		Caltrans District 4,			
	None listed	Travinfo	Caltrans District 4	None listed	
Coordinate Operation					
	None listed	Caltrans District 4	Caltrans District 4	None listed	
Incident Management Agencies					

	Clifton	City(NJ)	Connecticut Department of Transportation(CT)	
Agency Name	1999	2005	1999	2005
Provide Information				
		Caltrans District 4,		
	Muni	TravInfo	Caltrans District 4	None listed
Share Infrastructure				
	Muni	Caltrans District 4	Caltrans District 4	None listed
Coordinate Operation	iviuiii	Califalis District 4	Califaits District 4	None listed
Octionate Operation				
	Muni	Caltrans District 4	Caltrans District 4	None listed
Public Transit Operators Agencies				
Provide Information		Bay Area Rapid Transit		
	AC Transit, Muni	District, San Mateo County Transit District	Santa Clara County Transit	None listed
Share Infrastructure	AC Transit, Mulli	County Transit District	Transit	None listed
Ortal o Illinostruotal o			Santa Clara County	
	None listed	Muni	Transit	None listed
Coordinate Operation				
		AC Transit, Bay Area		
		Rapid Transit District,	0	
	None listed	Muni, San Mateo County Transit District	Santa Clara County Transit	None listed
Arterial Management Agencies	INOTIC HOLCU	Transit District	Transit	INOTIC HOLCU
Provide Information				
			Caltrans District 4,	
		Caltrans District 4,	Fremont City, San Jose	
	None listed	TravInfo	City, Santa Clara County	None listed
Share Infrastructure				
			Caltrans District 4,	
	Nana liated	Caltrana Diatrict 4	Fremont City, San Jose	None listed
	None listed	Caltrans District 4	City, Santa Clara County	None listed

	C	Clifton City(NJ)	Connecticut Departme	nt of Transportation(CT)
Agency Name	1999	2005	1999	2005
Coordinate Operation				
			Caltrans District 4,	
			Fremont City, San Jose	
	None listed	Caltrans District 4	City, Santa Clara County	None listed
Receiving real-time information via electronic means from others				
Freeway Management agencies from which your agency receives				
			Caltrans District 4, Silicon	
freeway travel times, speeds, and conditions	None listed	Caltrans District 4	Valley Partners	None listed
Public Transit operators from which your agency receives				
				Santa Clara County
arterial travel times derived from vehicle probes	None listed	None listed	None listed	Transit
Incident Management agencies from which your agency receives				
incident clearance and/or incident severity, location, and type information				
Receive information on Incident Clearance	None listed	Caltrans District 4	Caltrans District 4, TravInfo	None listed
				Caltrans District 4,
Receive information on Incident Severity, Location, and Type	None listed	Caltrans District 4	None listed	TravInfo
Toll Collection agencies from which your agency receives arterial travel				
times derived from vehicles probes	None listed	None listed	None listed	None listed
Arterial Incident Management Section				
Agencies your agency provides incident severity, location, and type info.				
and/or shares infrastructure and/or coordinates operation				
Emergency Management Agencies				
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure	None listed	None listed	None listed	None listed

	C	Clifton City(NJ)	Connecticut Departm	Connecticut Department of Transportation(CT)	
Agency Name	1999	2005	1999	2005	
Coordinate Operation	None listed	None listed	None listed	None listed	
Freeway Management Agencies					
Provide Information					
	None listed	None listed	Caltrans District 4	None listed	
Share Infrastructure					
	None listed	None listed	Caltrans District 4	None listed	
Coordinate Operation	None listed	None listed	Caltrans District 4	None listed	
Public Transit Operators	TYOTIC Hoted	THORIC HOLEG	Oditi dilo Diotriot 4	Trone noted	
Provide Information					
	None listed	None listed	Santa Clara County Transit	None listed	
Share Infrastructure	TYONG NOTEG	Trone noted	11011011	Trone noted	
	None listed	None listed	Santa Clara County Transit	None listed	
Coordinate Operation	. 10110 11010	rterre meteu			
	None listed	None listed	Santa Clara County Transit	None listed	
Receiving real-time information via electronic means from others					
Emergency Management agencies from which your agency receives					
arterial incident clearance and/or arterial incident severity					
Receive Arterial Incident Clearance Information	None listed	None listed	None listed	None listed	
Receive Arterial Incident Severity Information	None listed	None listed	None listed	None listed	
Arterial Management agencies from which your agency receives					
			Jose City, Santa Clara County, Silicon Valley		
arterial travel times, speeds, and conditions	None listed	None listed	Partners	Fremont City	
Freeway Management agencies from which your agency receives					
freeway travel times, speeds, and conditions	None listed	None listed	Caltrans District 4	None listed	

<sup>\*</sup>short survey: Agency responded using a short survey. The survey did not include names of individual agencies, but only identified whether integration exists.

	East Orange City(NJ)		Elizabe	th City(NJ)
Agency Name	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes	
Arterial Management Section				
Arterial Mgt. agencies in metropolitan area with which you share info.				
Share Timing Plans Information				
	short survey	None listed	None listed	None listed
Coordinate Changes to Timing Plans				
	short survey	None listed	None listed	None listed
Turn over Control of Signals				
	None listed	None listed	None listed	None listed
Agencies your agency provides arterial travel times, speeds, and	TYONG HOLEG	Trone noted	Trone noted	TYOTIC HOLCG
conditions information, share infrastructure or coordinates operation				
Freeway Management Agencies				
Provide Information				
1 Toride information				
	None listed	None listed	None listed	None listed
Share Infrastructure				
	Caltrans District 4, Smart	Caltrans District 4, Smart		
	Corridor Team		None listed	None listed
Coordinate Operation				
		Caltrans District 4, Smart		
	None listed		None listed	None listed
Incident Management Agencies				

	East Oran	ge City(NJ)	Elizabet	h City(NJ)
Agency Name	1999	2005	1999	2005
Provide Information				
Share Infrastructure	None listed	Caltrans District 4	None listed	None listed
	Smart Corridor Team	Caltrans District 4, Smart Corridor Team	None listed	None listed
Coordinate Operation	Smart Corridor Team	Caltrans District 4, Smart Corridor Team	None listed	None listed
Public Transit Operators Agencies				
Provide Information	Santa Clara County Transit	None listed	None listed	None listed
Share Infrastructure	Santa Clara County Transit	Santa Clara County Transit	None listed	None listed
Coordinate Operation	None listed	Santa Clara County Transit	None listed	None listed
Arterial Management Agencies Provide Information	Caltrans District 4, San Jose City, Campbell City,			
Share Infrastructure	Milpitas City, Los Gatos City  San Jose City, Campbell	Caltrans District 4, San Jose City, Campbell City, Milpitas City, Los Gatos	None listed	None listed
	City, Milpitas City		None listed	None listed

	East Oran	ge City(NJ)	Elizabeti	n City(NJ)
Agency Name	1999	2005	1999	2005
Coordinate Operation		Caltrans District 4, San Jose City, Santa Clara County, Campbell City,		
		Milpitas City, Los Gatos		
	None listed	City	None listed	None listed
Receiving real-time information via electronic means from others				
Freeway Management agencies from which your agency receives				
	None Bata d	New Estad	Name Balant	Naca Katad
freeway travel times, speeds, and conditions	None listed	None listed	None listed	None listed
Public Transit operators from which your agency receives				
arterial travel times derived from vehicle probes	None listed	None listed	None listed	None listed
Incident Management agencies from which your agency receives			. 10.10 110.10 11	Trong motor
incident clearance and/or incident severity, location, and type information				
Receive information on Incident Clearance	None listed	None listed	None listed	None listed
Receive information on Incident Severity, Location, and Type  Toll Collection agencies from which your agency receives arterial travel	None listed	None listed	None listed	None listed
Ton Conection agencies from which your agency receives afterial travel				
times derived from vehicles probes  Arterial Incident Management Section	None listed	None listed	None listed	None listed
Agencies your agency provides incident severity, location, and type info.				
and/or shares infrastructure and/or coordinates operation				
Emergency Management Agencies				
Provide Information				
	None listed	None listed	short survey	None listed
Share Infrastructure	None listed	None listed	None listed	None listed

	East	Orange City(NJ)	Eliz	Elizabeth City(NJ)	
Agency Name	1999	2005	1999	2005	
Coordinate Operation	None listed	None listed	None listed	None listed	
Freeway Management Agencies					
Provide Information					
	None listed	None listed	None listed	None listed	
Share Infrastructure		N. P. C.			
	None listed	None listed	None listed	None listed	
Coordinate Operation	None listed	None listed	None listed	None listed	
Public Transit Operators					
Provide Information					
	None listed	None listed	None listed	None listed	
Share Infrastructure					
	None listed	None listed	None listed	None listed	
Coordinate Operation	Trong noted	Trono notod	Trono notou	Trong noted	
Description and the sinformation via alcohomic magnetican sthem	None listed	None listed	None listed	None listed	
Receiving real-time information via electronic means from others					
Emergency Management agencies from which your agency receives					
arterial incident clearance and/or arterial incident severity  Receive Arterial Incident Clearance Information	Nama listed	Nama listad	ala ant a com cas c	None listed	
Receive Arterial Incident Clearance Information  Receive Arterial Incident Severity Information	None listed None listed	None listed None listed	short survey	None listed	
Arterial Management agencies from which your agency receives	None listed	None listed	Short survey	None listed	
Anterial management agencies from which your agency receives					
	Nama liatad	None listed	Name linted	None listed	
arterial travel times, speeds, and conditions	None listed	None listed	None listed	None listed	
Freeway Management agencies from which your agency receives					
freeway travel times, speeds, and conditions	None listed	None listed	short survey	None listed	

<sup>\*</sup>short survey: Agency responded using a short survey. The survey did not include names of individual agencies, but only identified whether integration exists.

	Fairfield	Fairfield Town(CT)		enburgh Town
Agency Name	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes	
Arterial Management Section				
Arterial Mgt. agencies in metropolitan area with which you share info.				
Share Timing Plans Information				
	Connecticut Department			
	of Transportation(CT)	None listed	None listed	None listed
Coordinate Changes to Timing Plans				
	None listed	None listed	None listed	None listed
Turn over Control of Signals				
	None listed	None listed	None listed	None listed
Agencies your agency provides arterial travel times, speeds, and	None listed	Notice listed	None listed	None listed
conditions information, share infrastructure or coordinates operation				
Freeway Management Agencies				
Provide Information				
Flovide illiolillation				
	None listed	None listed	None listed	None listed
Share Infrastructure			None listed	TVOTIC listed
Share illinoctional	Washington State	Washington State		
	Department of	Department of		
	Transportation Northwest	Transportation Northwest		
	Region, Tacoma Fire Department	Region, Tacoma Fire Department	None listed	None listed
Coordinate Operation	<u> </u>	·	None listed	INOTIC IISICU
	Washington State	Washington State		
	Department of	Department of		
	Transportation Northwest	Transportation Northwest	Nama lintari	Name linted
Insident Management Agencies	Region	Region	None listed	None listed
Incident Management Agencies				

	Fairfield	Town(CT)	Greenburgh Town	
Agency Name	1999	2005	1999	2005
Provide Information				
	Washington State	Washington State		
	Department of	Department of		
	Transportation Northwest Region, Washington State	Transportation Northwest Region, Washington State		Arizona Department of
	Patrol	Patrol	None listed	Transportation
Share Infrastructure	Washington State	Washington State		
	Department of	Department of		
	Transportation Northwest Region, Washington State	Transportation Northwest Region, Washington State		
	Patrol		None listed	None listed
Coordinate Operation	Washington State	Washington State		
	Department of	Department of		
	Transportation Northwest Region, Washington State	Transportation Northwest Region, Washington State		
	Patrol		None listed	None listed
Public Transit Operators Agencies				
Provide Information				
	Pierce Transit,	Pierce Transit,	Niana Batad	Regional Public
Share Infrastructure	Washington State Ferries	Washington State Ferries	None listed	Transportation Authority
	Washington State Ferries	Washington State Ferries	None listed	None listed
Coordinate Operation				
		Pierce Transit,		
Autorial Management Augustia	Washington State Ferries	Washington State Ferries	None listed	None listed
Arterial Management Agencies Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure	None listed	None listed	None listed	None listed
	None listed	None listed	None listed	None listed

	Fairfield 1	Town(CT)	Greenburgh Town	
Agency Name	1999	2005	1999	2005
Coordinate Operation				
	None listed	None listed	None listed	None listed
Receiving real-time information via electronic means from others				
Freeway Management agencies from which your agency receives				
	Washington State	Washington State		
	Department of	Department of		
	Transportation Northwest	Transportation Northwest	Asimon - Donostos - to - f	A.: Dt
freeway travel times, speeds, and conditions	Region, Washington State Patrol	Region, Washington State Patrol	Transportation	Arizona Department of Transportation
Public Transit operators from which your agency receives	1 41101	1 4401	типорогииоп	Transportation
			Regional Public	Regional Public
arterial travel times derived from vehicle probes	None listed	None listed	Transportation Authority	Transportation Authority
Incident Management agencies from which your agency receives			,	
incident clearance and/or incident severity, location, and type information				
	Washington State	Washington State		
	Department of	Department of		
	Transportation Northwest	Transportation Northwest		
	Region, Washington State	Region, Washington State		Arizona Department of
Receive information on Incident Clearance	Patrol	Patrol	None listed	Transportation
	Washington State	Washington State		
	Department of	Department of		
	Transportation Northwest	Transportation Northwest		
	Region, Washington State	Region, Washington State		
Receive information on Incident Severity, Location, and Type	Patrol	Patrol	None listed	None listed
Toll Collection agencies from which your agency receives arterial travel				
times derived from vehicles probes	None listed	None listed	None listed	None listed
Arterial Incident Management Section				
Agencies your agency provides incident severity, location, and type info.				
and/or shares infrastructure and/or coordinates operation				
Emergency Management Agencies				
Provide Information				
Oh ava lafinashi ishi us	None listed	None listed	None listed	None listed
Share Infrastructure	None listed	None listed	None listed	None listed

	Fair	rfield Town(CT)	Gre	Greenburgh Town	
Agency Name	1999	2005	1999	2005	
Coordinate Operation	None listed	None listed	None listed	None listed	
Freeway Management Agencies					
Provide Information					
				Arizona Department of	
	None listed	None listed	None listed	Transportation	
Share Infrastructure					
	None listed	None listed	None listed	None listed	
Coordinate Operation					
	None listed	None listed	None listed	None listed	
Public Transit Operators					
Provide Information					
				Regional Public	
	None listed	None listed	None listed	Transportation Authority	
Share Infrastructure					
	None listed	None listed	None listed	None listed	
Coordinate Operation					
	Niana Katad	Niana Patad	Niere - Bekert	Name Sate d	
Description week times information via alectronic manage from athors	None listed	None listed	None listed	None listed	
Receiving real-time information via electronic means from others					
Emergency Management agencies from which your agency receives arterial incident clearance and/or arterial incident severity					
Receive Arterial Incident Clearance Information	None listed	None listed	None listed	None listed	
Receive Arterial Incident Severity Information	None listed	None listed	None listed	None listed	
Arterial Management agencies from which your agency receives	None listed	None listed	None listed	None listed	
Arterial Management agencies from which your agency receives				0, 1,1,0% M, 0%	
				Glendale City, Mesa City, Arizona Department of	
arterial travel times, speeds, and conditions	None listed	None listed	None listed	Transportation	
Freeway Management agencies from which your agency receives	None listed	None listed	NOTIE IISIEU	Transportation	
Freeway management agencies from which your agency receives				Arizona Department of	
freeway travel times, speeds, and conditions	None listed	None listed	None listed	Transportation	

<sup>\*</sup>short survey: Agency responded using a short survey. The survey did not include names of individual agencies, but only identified whether integration exists.

	Greenwich	n Town(CT)	Hudson County(NJ)	
Agency Name	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes	
Arterial Management Section				
Arterial Mgt. agencies in metropolitan area with which you share info.				
Share Timing Plans Information				
	None listed	None listed	short survey	None listed
Coordinate Changes to Timing Plans				
	Greenwich Town(CT)	None listed	short survey	None listed
Turn over Control of Signals				
	None listed	None listed	None listed	None listed
Agencies your agency provides arterial travel times, speeds, and	Notice listed	None listed	None listed	Notice listed
conditions information, share infrastructure or coordinates operation				-
Freeway Management Agencies				
Provide Information				
Provide information				
	Connecticut Department of Transportation(CT)	None listed	None listed	None listed
Share Infrastructure	or transportation(C1)	None listed	None listed	Notice listed
Share milastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation	INOTIC IISLEU	INOTIC HOLCU	TAOLIC IISICO	INOTIC HOLEU
Obstantate Operation				
	Minnant- Developer ( 5	Minnocate Devictor and		
	Minnesota Department of Transportation	Minnesota Department of Transportation	None listed	None listed
Incident Management Agencies	Παποροπαποπ	Παπορυπαιίση	None listed	None listed
molucin management Agencies				

	Gree	nwich Town(CT)	Hud	son County(NJ)
Agency Name	1999	2005	1999	2005
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation				
	None listed	None listed	None listed	None listed
Public Transit Operators Agencies	TTOTIO IIOCOU	TTOTIO IIOLOG	Trono notou	Treme lieted
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation				
	Metro Transit	Metro Transit	None listed	None listed
Arterial Management Agencies				
Provide Information				
Chana Infrantivativa	None listed	None listed	None listed	None listed
Share Infrastructure				
	None listed	None liets d	None listed	None lists d
	None listed	None listed	None listed	None listed

	Greenwich	n Town(CT)	Hudson County(NJ)	
Agency Name	1999	2005	1999	2005
Coordinate Operation				
	Minnesota Department of	Minnesota Department of		
	Transportation	Transportation	None listed	None listed
Receiving real-time information via electronic means from others				
Freeway Management agencies from which your agency receives				
	Minnesota Department of	Minnesota Department of		
freeway travel times, speeds, and conditions	Transportation	Transportation	None listed	None listed
Public Transit operators from which your agency receives				
arterial travel times derived from vehicle probes	None listed	None listed	None listed	None listed
Incident Management agencies from which your agency receives				
incident clearance and/or incident severity, location, and type information				
Receive information on Incident Clearance	None listed	None listed	None listed	None listed
Receive information on Incident Severity, Location, and Type	None listed	None listed	None listed	None listed
Toll Collection agencies from which your agency receives arterial travel	None listed	None listed	None listed	None listed
Ton concentin agencies from which your agency reserves arterial actives				
times derived from vehicles probes	None listed	None listed	None listed	None listed
Arterial Incident Management Section				
Agencies your agency provides incident severity, location, and type info.				
and/or shares infrastructure and/or coordinates operation				
Emergency Management Agencies				
Provide Information				
TOTAL MICHIGAN				
	None listed	None listed	None listed	None listed
Share Infrastructure	None listed	None listed	None listed	None listed
5.10.5 65.1 doi:10	INOTIC IISICA	INOTIC HOLCU	INOTIC HOLEU	INOTIC HOLEU

	Gree	enwich Town(CT)	Hudson County(NJ)	
Agency Name	1999	2005	1999	2005
Coordinate Operation	None listed	None listed	None listed	None listed
Freeway Management Agencies				
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure	N			
Occardinate Occarding	None listed	None listed	None listed	None listed
Coordinate Operation	None listed	None listed	None listed	None listed
Public Transit Operators				
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation	None listed	None listed	None listed	None listed
·				
	None listed	None listed	None listed	None listed
Receiving real-time information via electronic means from others				
Emergency Management agencies from which your agency receives				
arterial incident clearance and/or arterial incident severity				
Receive Arterial Incident Clearance Information	None listed	None listed	None listed	None listed
Receive Arterial Incident Severity Information	None listed	None listed	None listed	None listed
Arterial Management agencies from which your agency receives				
arterial travel times, speeds, and conditions	None listed	None listed	None listed	None listed
Freeway Management agencies from which your agency receives				
	Name listed	Nama lintad	Name listed	Name listed
freeway travel times, speeds, and conditions	None listed	None listed	None listed	None listed

<sup>\*</sup>short survey: Agency responded using a short survey. The survey did not include names of individual agencies, but only identified whether integration exists.

	Hunterdon County		Jersey	/ City(NJ)
Agency Name	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes	
Arterial Management Section				
Arterial Mgt. agencies in metropolitan area with which you share info.				
Share Timing Plans Information				
	New Jersey Department of	New Jersey Department of		
	Transportation(NJ)	Transportation(NJ)	short survey	None listed
Coordinate Changes to Timing Plans	The state of the s		5.15.1 5 d. 1 5 j	Trong motor
	New Jersey Department of	New Jersey Department of		
	Transportation(NJ)	Transportation(NJ)	short survey	None listed
Turn over Control of Signals			, , , , , , , , , , , , , , , , , , ,	
		New Jersey Department of		
	Transportation(NJ)	Transportation(NJ)	None listed	None listed
Agencies your agency provides arterial travel times, speeds, and				
conditions information, share infrastructure or coordinates operation				
Freeway Management Agencies				
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure	. 10.100104		. 10.10	
	None listed	None listed	None listed	None listed
Coordinate Operation	140110 IIOtou	TTOTIC IISICU	I TOTIC IISTOU	THORE HOLEG
Socialitate Sportation				
	D. 11. D. 11.10	0.11 5:1:10		l
In the Management Assessing	Caltrans District 8	Caltrans District 8	None listed	None listed
Incident Management Agencies				

	Hunter	don County	Je	rsey City(NJ)
Agency Name	1999	2005	1999	2005
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure	None listed	None listed	None listed	Notice listed
Share minastructure				
	Nama lintad	Nama liatad	Nama liatad	Nama liata d
Coordinate Operation	None listed	None listed	None listed	None listed
Coordinate Operation				
	None listed	None listed	None listed	None listed
Public Transit Operators Agencies				
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation				
	N. P. C.	N P ( )		
Autorial Management Agencies	None listed	None listed	None listed	None listed
Arterial Management Agencies Provide Information				
i rovide information				
	Caltrans District 8	Caltrans District 8	None listed	None listed
Share Infrastructure	23.00.00 2.00.00			
	None listed	None listed	None listed	None listed

	Hunt	erdon County	Je	Jersey City(NJ)	
Agency Name	1999	2005	1999	2005	
Coordinate Operation					
	Caltrans District 8	Caltrans District 8	None listed	None listed	
Receiving real-time information via electronic means from others	Califains District o	Califans District o	None listed	None listed	
Freeway Management agencies from which your agency receives					
, , , ,					
freeway travel times, speeds, and conditions	None listed	None listed	short survey	None listed	
Public Transit operators from which your agency receives					
arterial travel times derived from vehicle probes	None listed	None listed	None listed	None listed	
Incident Management agencies from which your agency receives					
incident clearance and/or incident severity, location, and type information					
Receive information on Incident Clearance	None listed	None listed	Nana liated	None listed	
Receive information on incident Clearance	None listed	None listed	None listed	None listed	
Receive information on Incident Severity, Location, and Type	None listed	None listed	None listed	None listed	
Toll Collection agencies from which your agency receives arterial travel	None listed	Notic listed	None listed	Notice listed	
Toll concentration agencies from which your agency receives are nat auter					
times derived from vehicles probes	None listed	None listed	None listed	None listed	
Arterial Incident Management Section					
Agencies your agency provides incident severity, location, and type info.					
and/or shares infrastructure and/or coordinates operation					
Emergency Management Agencies					
Provide Information					
	None listed	None listed	None listed	None listed	
Share Infrastructure	None listed	None listed	None listed	None listed	

	Hui	nterdon County	Je	Jersey City(NJ)	
Agency Name	1999	2005	1999	2005	
Coordinate Operation	None listed	None listed	None listed	None listed	
Freeway Management Agencies					
Provide Information					
	None listed	None listed	None listed	None listed	
Share Infrastructure					
	None listed	None listed	None listed	None listed	
Coordinate Operation	None listed	None listed	None listed	None listed	
Public Transit Operators					
Provide Information					
	None listed	None listed	None listed	None listed	
Share Infrastructure					
	None listed	None listed	None listed	None listed	
Coordinate Operation	None listed	Notic listed	None listed	Notic listed	
	None listed	None listed	None listed	None listed	
Receiving real-time information via electronic means from others					
Emergency Management agencies from which your agency receives					
arterial incident clearance and/or arterial incident severity					
Receive Arterial Incident Clearance Information	None listed	None listed	None listed	None listed	
Receive Arterial Incident Severity Information	None listed	None listed	None listed	None listed	
Arterial Management agencies from which your agency receives					
arterial travel times, speeds, and conditions	None listed	None listed	None listed	None listed	
Freeway Management agencies from which your agency receives					
freeway travel times, speeds, and conditions	None listed	None listed	None listed	None listed	

<sup>\*</sup>short survey: Agency responded using a short survey. The survey did not include names of individual agencies, but only identified whether integration exists.

	Midd	lesex County(NJ)	Mo	unt Vernon City
Agency Name	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes	
Arterial Management Section				
Arterial Mgt. agencies in metropolitan area with which you share info.				
Share Timing Plans Information				
	short survey	None listed	None listed	None listed
Coordinate Changes to Timing Plans				
	short survey	None listed	None listed	None listed
Turn over Control of Signals				
	None listed	None listed	None listed	None listed
Agencies your agency provides arterial travel times, speeds, and	Trong netec	TTOTIO IICICA	Trono notod	THORSE MELEC
conditions information, share infrastructure or coordinates operation				
Freeway Management Agencies				
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation				
	None listed	None listed	None listed	None listed
Incident Management Agencies				

	Middlese	County(NJ)	Mount V	ernon City
Agency Name	1999	2005	1999	2005
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation				
	None listed	None listed	None listed	None listed
Public Transit Operators Agencies				
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure	None listed	None listed	None listed	None listed
Onare minastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation	Trono notou	TTOTIO HOLOG	TTOTIO IIOLOG	TTOTIO HOLOG
	None listed	None listed	None listed	None listed
Arterial Management Agencies				
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure	Tiono notos	140110 IIOCOU	TTOTIC HOLOG	110/10 liotod
	None listed	None listed	None listed	None listed

	Middlese	x County(NJ)	Mount V	ernon City
Agency Name	1999	2005	1999	2005
Coordinate Operation				
Describing weal time information via all atmosfs we are from athere	None listed	None listed	None listed	None listed
Receiving real-time information via electronic means from others  Freeway Management agencies from which your agency receives				
Freeway Management agencies from which your agency receives				
freeway travel times, speeds, and conditions	None listed	None listed	None listed	None listed
Public Transit operators from which your agency receives	Trone noted	Trone noted	TYONG NOTEG	TYONG HOLOG
arterial travel times derived from vehicle probes	None listed	None listed	None listed	None listed
Incident Management agencies from which your agency receives	None listed	None listed	None listed	TVOTIC IISTCC
incident clearance and/or incident severity, location, and type information				
Receive information on Incident Clearance	None listed	None listed	None listed	None listed
Receive information on Incident Severity, Location, and Type	None listed	None listed	None listed	None listed
Toll Collection agencies from which your agency receives arterial travel				
, , ,				
times derived from vehicles probes	None listed	None listed	None listed	None listed
Arterial Incident Management Section				
Agencies your agency provides incident severity, location, and type info.				
and/or shares infrastructure and/or coordinates operation				
Emergency Management Agencies				
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure	None listed	None listed	None listed	None listed

	Middl	esex County(NJ)	Mou	unt Vernon City
Agency Name	1999	2005	1999	2005
Coordinate Operation	None listed	None listed	None listed	None listed
Freeway Management Agencies				
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation				
	None listed	None listed	None listed	None listed
Public Transit Operators				
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation				
	Niana Batad	Niewe Beterd	Niere - Bekert	Name Baked
No colo de la colo de	None listed	None listed	None listed	None listed
Receiving real-time information via electronic means from others				
Emergency Management agencies from which your agency receives				
arterial incident clearance and/or arterial incident severity	Niero - Poto d	Maria - Catard	Niere - Ceteri	Name Cated
Receive Arterial Incident Clearance Information	None listed	None listed	None listed	None listed
Receive Arterial Incident Severity Information	None listed	None listed	None listed	None listed
Arterial Management agencies from which your agency receives				
arterial travel times, speeds, and conditions	None listed	None listed	None listed	None listed
Freeway Management agencies from which your agency receives				
freeway travel times, speeds, and conditions	None listed	None listed	None listed	None listed

<sup>\*</sup>short survey: Agency responded using a short survey. The survey did not include names of individual agencies, but only identified whether integration exists.

Agency Name Yes Yes Yes Agency Returned Survey? Agency Returned Survey? Agency Returned Survey? Agency Returned Survey? Arterial Management Section Arterial Management Section None listed None liste		Nas	sau County	New Jersey Departme	ent of Transportation(NJ)
Agency Returned Survey? Arterial Management Section Arterial Management Section Share Timing Plans information None listed	Agency Name				
Arterial Mot. agencies in metropolitan area with which you share linfo.  Share Timing Plans Information  None listed		Yes		Yes	
Share Timing Plans Information  None listed	Arterial Management Section				
None listed None l					
Coordinate Changes to Timing Plans  None listed	Share Timing Plans Information				
Coordinate Changes to Timing Plans  None listed					
None listed None l		None listed	None listed	None listed	None listed
Turn over Control of Signals  None listed	Coordinate Changes to Timing Plans				
Turn over Control of Signals  None listed					
Turn over Control of Signals  None listed					
Agencies your agency provides arterial travel times, speeds, and  conditions information, share infrastructure or coordinates operation  Freeway Management Agencies  Provide Information  Freeway Management Agencies  Fransportation(NJ), New Jersey Turnpike Authortity(NJ), Port Authortity Of New York and New Jersey, Bergen County Police Department, New York State Police, None listed	7 0 1 1 (0)	None listed	None listed	None listed	None listed
Agencies your agency provides arterial travel times, speeds, and conditions information, share infrastructure or coordinates operation  Freeway Management Agencies  Provide Information  Freeway Management Agencies  Fransportation(NJ), New Jersey Heighway Authority(NJ), New Jersey Heighway Authority(NJ), Port Authority of New York and New Jersey, Bergen County Police Department, New York State Police, TRANSCOM  None listed	Turn over Control of Signals				
Agencies your agency provides arterial travel times, speeds, and conditions information, share infrastructure or coordinates operation  Freeway Management Agencies  Provide Information  Freeway Management Agencies  Fransportation(NJ), New Jersey Heighway Authority(NJ), New Jersey Heighway Authority(NJ), Port Authority of New York and New Jersey, Bergen County Police Department, New York State Police, TRANSCOM  None listed		None listed	None listed	None listed	None listed
conditions information, share infrastructure or coordinates operation     Image: Coordinate operation of the provided information of the provide	Agencies your agency provides arterial travel times, speeds, and	Trono notod	TTOTIO IICICA	Trene neted	TTOTIO IIOLOG
Freeway Management Agencies  Provide Information  Provide Information  Provide Information  Transportation(NJ), New Jersey Tumpike Authority(NJ), New Jersey Highway Authority (NJ), Port Authority of New York and New Jersey, Bergen County Police Department, New York State Police, TRANSCOM  None listed					
Provide Information  Transportation(NJ), New Jersey Turnpike Authority(NJ), New Jersey Highway Authority(NJ), New Jersey Highway Authority(NJ), Port Authority of New York and New Jersey, Bergen County Police Department, New York State Police, TRANSCOM None listed  Share Infrastructure  None listed					
None listed	Provide Information	None listed	None listed	Jersey Turnpike Authority(NJ), New Jersey Highway Authority(NJ), Port Authority of New York and New Jersey, Bergen County Police Department, New York State Police,	
Coordinate Operation  None listed  None listed  None listed  None listed  None listed  None listed	Share Infrastructure				
	Coordinate Operation	None listed	None listed	None listed	None listed
		None listed	Nana listad	None listed	None listed
	Incident Management Agencies	inone listed	inone listed	INONE IISTEC	None listed

	Nassau	ı County	New Jersey Departmer	nt of Transportation(NJ)
Agency Name	1999	2005	1999	2005
Provide Information	None listed		New Jersey Highway Authority(NJ), New Jersey Turnpike Authority(NJ), New Jersey Department of Transportation(NJ), Port Authority of New York and New Jersey, New York State Police Department, Bergen County Police Department, TRANSCOM	
Share Infrastructure			·	
	None listed	None listed	None listed	None listed
Coordinate Operation				
	None listed	None listed	None listed	None listed
Public Transit Operators Agencies				
Provide Information  Share Infrastructure	None listed	None listed	None listed	None listed
	None listed	None listed	None listed	None listed
Coordinate Operation				
Arterial Management Agencies	None listed	None listed	None listed	None listed
Provide Information	None listed	None listed	None listed	None listed
Share Infrastructure	None listed	None listed	None listed	None listed

	Nassau	ı County	New Jersey Departmen	nt of Transportation(NJ)
Agency Name	1999	2005	1999	2005
Coordinate Operation				
	None listed	None listed	None listed	None listed
Receiving real-time information via electronic means from others	Trong notes	Trong motor	Trong meter	Trono notou
Freeway Management agencies from which your agency receives				
	Navy Vauls City Danaghus and	Navy Vauls City Danagharant		
freeway travel times, speeds, and conditions	of Transportation	New York City Department of Transportation	short survey	None listed
Public Transit operators from which your agency receives	or transportation	or transportation	Short survey	None listed
operator of our miner year agency received				
arterial travel times derived from vehicle probes	None listed	None listed	None listed	None listed
Incident Management agencies from which your agency receives				
incident clearance and/or incident severity, location, and type information				
			New Jersey State Police,	
			New Jersey Turnpike	
			Authority(NJ), Port	
			Authority of New York and	
			New Jersey, TRANSCOM, New Jersey Highway	
Receive information on Incident Clearance	None listed		Authority(NJ)	None listed
1 (cooling information of information	Trono notod	Trono notod		Trone noted
Receive information on Incident Severity, Location, and Type	None listed	None listed	None listed	None listed
Toll Collection agencies from which your agency receives arterial travel				
times derived from vehicles probes	None listed	None listed	None listed	None listed
Arterial Incident Management Section				. 15.10 1101.04
Agencies your agency provides incident severity, location, and type info.				
and/or shares infrastructure and/or coordinates operation				
Emergency Management Agencies				
Provide Information			Bergen County Police	
			Department (NJ), New	
	None listed	None listed	Jersey State Police	None listed
Share Infrastructure	None listed	None listed	None listed	None listed

	N	lassau County	New Jersey Departme	ent of Transportation(NJ)
Agency Name	1999	2005	1999	2005
Coordinate Operation	None listed	None listed	None listed	None listed
Freeway Management Agencies				
Provide Information				
	None listed	None listed	short survey	None listed
Share Infrastructure	None listed	None listed	None listed	None listed
Coordinate Operation	None listed	Notic listed	None listed	None listed
Osordinate Operation	None listed	None listed	None listed	None listed
Public Transit Operators				
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation	Trono notos	TYONG NOTES	Trone noted	Trong noted
	None listed	None listed	None listed	None listed
Receiving real-time information via electronic means from others	None listed	INOTIE IISIEU	None listed	None listed
Emergency Management agencies from which your agency receives				
arterial incident clearance and/or arterial incident severity				
Receive Arterial Incident Clearance Information	None listed	None listed	New Jersey State Police	None listed
Receive Arterial Incident Severity Information	None listed	None listed	New Jersey State Police	None listed
Arterial Management agencies from which your agency receives				
arterial travel times, speeds, and conditions	None listed	None listed	None listed	None listed
Freeway Management agencies from which your agency receives				
freeway travel times, speeds, and conditions	None listed	None listed	None listed	None listed

<sup>\*</sup>short survey: Agency responded using a short survey. The survey did not include names of individual agencies, but only identified whether integration exists.

	New Jersey	Highway Authority(NJ)	Ne	w Rochelle City
Agency Name	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes	
Arterial Management Section				
Arterial Mgt. agencies in metropolitan area with which you share info.				
Share Timing Plans Information				
	short survey	None listed	None listed	None listed
Coordinate Changes to Timing Plans				
	short survey	None listed	None listed	None listed
Turn over Control of Signals				
	None listed	None listed	None listed	None listed
Agencies your agency provides arterial travel times, speeds, and	TYONG HOLEG	Trone noted	Trone noted	THORIE HOLEG
conditions information, share infrastructure or coordinates operation				
Freeway Management Agencies				
Provide Information				
	short survey	None listed	None listed	None listed
Share Infrastructure	·			
	None listed	None listed	None listed	None listed
Coordinate Operation				
	None listed	None listed	None listed	None listed
Incident Management Agencies				

	New Jersey High	way Authority(NJ)	New Roo	chelle City
Agency Name	1999	2005	1999	2005
Provide Information				
	Niero - Batard	Niana Batad	Niene Beterd	Niama Batad
Chara lafracturatura	None listed	None listed	None listed	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation				
	None listed	None listed	Nana liatad	None listed
Public Transit Operators Agencies	None listed	None listed	None listed	None listed
Provide Information				
1 Toylue Information				
	None listed	None listed	None listed	None listed
Share Infrastructure	None listed	None listed	None listed	None listed
Shale illinastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation	None listed	None listed	None listed	None listed
Obstantate Operation				
	None listed	None listed	None listed	None listed
Arterial Management Agencies				
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed

	New Jersey High	way Authority(NJ)	New Roo	chelle City
Agency Name	1999	2005	1999	2005
Coordinate Operation				
	None listed	None listed	None listed	None listed
Receiving real-time information via electronic means from others				
Freeway Management agencies from which your agency receives				
freeway travel times, speeds, and conditions	None listed	None listed	None listed	None listed
Public Transit operators from which your agency receives				
arterial travel times derived from vehicle probes	None listed	None listed	None listed	None listed
Incident Management agencies from which your agency receives				
incident clearance and/or incident severity, location, and type information				
Receive information on Incident Clearance	None listed	None listed	None listed	None listed
Receive information on Incident Severity, Location, and Type	None listed	None listed	None listed	None listed
Toll Collection agencies from which your agency receives arterial travel				
times devived from vehicles probes	Nana liatad	Nana liatad	Nana liatad	Nana liatad
times derived from vehicles probes Arterial Incident Management Section	None listed	None listed	None listed	None listed
Agencies your agency provides incident severity, location, and type info.				
and/or shares infrastructure and/or coordinates operation				
Emergency Management Agencies				
Provide Information				
	Nana liatad	Nana liatad	Nana liatad	Nana liatad
Share Infrastructure	None listed	None listed	None listed	None listed
Share mirastructure	None listed	None listed	None listed	None listed

	New Jersey	Highway Authority(NJ)	Nev	v Rochelle City
Agency Name	1999	2005	1999	2005
Coordinate Operation	None listed	None listed	None listed	None listed
Freeway Management Agencies				
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation	Name listed	Nama lintad	Nama liatad	Nama lintad
Public Transit Operators	None listed	None listed	None listed	None listed
Provide Information				
1 Tovide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation				
	None listed	None listed	None listed	None listed
Receiving real-time information via electronic means from others				
Emergency Management agencies from which your agency receives				
arterial incident clearance and/or arterial incident severity				
Receive Arterial Incident Clearance Information	short survey	None listed	None listed	None listed
Receive Arterial Incident Severity Information	short survey	None listed	None listed	None listed
Arterial Management agencies from which your agency receives				
arterial travel times, speeds, and conditions	None listed	None listed	None listed	None listed
Freeway Management agencies from which your agency receives	Trono notou	. torio notod	. Torro notod	. torio notos
, , , , , , , , , , , , , , , , , , , ,				
freeway travel times, speeds, and conditions	None listed	None listed	None listed	None listed

<sup>\*</sup>short survey: Agency responded using a short survey. The survey did not include names of individual agencies, but only identified whether integration exists.

	New Y	ork City DOT	New York City	DOT for Queens County
Agency Name	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes	
Arterial Management Section				
Arterial Mgt. agencies in metropolitan area with which you share info.				
Share Timing Plans Information				
	None listed	None listed	None listed	None listed
Coordinate Changes to Timing Plans				
	None listed	None listed	None listed	None listed
Turn over Control of Signals				
	None listed	None listed	None listed	None listed
Agencies your agency provides arterial travel times, speeds, and	Notic listed	None listed	None listed	Notice listed
conditions information, share infrastructure or coordinates operation				
Freeway Management Agencies				
Provide Information				
Provide information				
	N			
	New York State DOT- Region 11	None listed	None listed	None listed
Share Infrastructure	Region 11	None listed	None listed	Notice listed
Office Illinastructure				
	New York State DOT-			
	Region 11	TRANSCOM	None listed	None listed
Coordinate Operation	region 11	TIVALINOCOLVI	INOTIC HOLCU	NONE IISIEU
Obstantate Operation				
	New Years Otata DOT			
	New York State DOT- Region 11	None listed	None listed	None listed
Incident Management Agencies	Region 11	None listed	None listed	None listed
moluent management Agenties				

Agency Name  Provide Information  New York State DOT- Region 11  Transcom  None listed  None listed	
Provide Information  New York State DOT- Region 11  New York State DOT- Region 11  New York State DOT- Region 11  Transcom  None listed  None listed	
Region 11 and New Jersey short survey None list  New York State DOT- Region 11 Transcom None listed None list	
Region 11 and New Jersey short survey None list  Share Infrastructure  New York State DOT- Region 11 Transcom None listed None list	
Region 11 and New Jersey short survey None list  New York State DOT- Region 11 Transcom None listed None list	
Region 11 and New Jersey short survey None list  New York State DOT- Region 11 Transcom None listed None list	
Region 11 and New Jersey short survey None list  New York State DOT- Region 11 Transcom None listed None list	
Region 11 and New Jersey short survey None list  New York State DOT- Region 11 Transcom None listed None list	
Region 11 and New Jersey short survey None list  New York State DOT- Region 11 Transcom None listed None list	
Region 11 and New Jersey short survey None list  New York State DOT- Region 11 Transcom None listed None list	
Region 11 and New Jersey short survey None list  New York State DOT- Region 11 Transcom None listed None list	
Share Infrastructure  New York State DOT- Region 11 Transcom None listed None list	
New York State DOT- Region 11 Transcom None listed None list	listed
Region 11 Transcom None listed None list	listed
Region 11 Transcom None listed None list	listed
Region 11 Transcom None listed None list	listed
	iisteu
Coolumate Operation	
New York State DOT- Port Authority of New York	
Region 11 and New Jersey None listed None list	listed
Public Transit Operators Agencies	
Provide Information	
None listed None listed None listed None listed None listed	listed
Share Infrastructure	
None listed None listed None listed None listed None listed	listed
Coordinate Operation	
None listed None listed None listed None listed	linte d
None listed None l	iistea
Provide Information	
1 TOVIGE IIIIOTTIALIOTT	
None listed None listed None listed None listed	listed
Share Infrastructure	
None listed None listed None listed None listed	listed

	New Yo	ork City DOT	New York City DOT for Queens County	
Agency Name	1999	2005	1999	2005
Coordinate Operation				
Receiving real-time information via electronic means from others	None listed	None listed	None listed	None listed
Freeway Management agencies from which your agency receives		_		
Freeway Management agencies from which your agency receives				
		Port Authority of New York		
	New York State DOT-	Port Authority of New York and New Jersey,		
freeway travel times, speeds, and conditions	Region 11	Transcom	None listed	None listed
Public Transit operators from which your agency receives			Trong noted	TYONG HOLOG
		+		
arterial travel times derived from vehicle probes	None listed	Green Bus Lines	None listed	None listed
Incident Management agencies from which your agency receives	140HC H3tCu	Green Bus Emes	None listed	TVOTIC IISCCC
incident clearance and/or incident severity, location, and type information				
<b>,</b> ,				
Receive information on Incident Clearance	None listed	None listed	None listed	None listed
	New York State DOT-			
Receive information on Incident Severity, Location, and Type	Region 11	None listed	None listed	None listed
Toll Collection agencies from which your agency receives arterial travel	_			
times derived from vehicles probes	None listed	None listed	None listed	None listed
Arterial Incident Management Section				
Agencies your agency provides incident severity, location, and type info.				
and/or shares infrastructure and/or coordinates operation				
Emergency Management Agencies				
Provide Information				
	None listed	None listed	short survey	None listed

	New Yo	ork City DOT	New York City	DOT for Queens County
Agency Name	1999	2005	1999	2005
Coordinate Operation	None listed	None listed	None listed	None listed
Freeway Management Agencies				
Provide Information		Port Authority of New York		
	New York State DOT-	and New Jersey,		
	Region 11	Transcom	None listed	None listed
Share Infrastructure	New York State DOT-			
	Region 11	None listed	None listed	None listed
Coordinate Operation	New York State DOT-	Port Authority of New York		
	Region 11	and New Jersey	None listed	None listed
Public Transit Operators				
Provide Information				
		Green Bus Lines, New		
	None listed	York City Transit Authority	None listed	None listed
Share Infrastructure				
		Green Bus Lines, New		
	None listed	York City Transit Authority	None listed	None listed
Coordinate Operation				
		Green Bus Lines, New		
	None listed	York City Transit Authority	None listed	None listed
Receiving real-time information via electronic means from others				
Emergency Management agencies from which your agency receives				
arterial incident clearance and/or arterial incident severity				
Receive Arterial Incident Clearance Information	New York City Police	None listed	short survey	None listed
Receive Arterial Incident Severity Information	New York City Police	None listed	short survey	None listed
Arterial Management agencies from which your agency receives				
arterial traval times, anada, and conditions	None listed	None listed	None listed	None listed
arterial travel times, speeds, and conditions	None listed	None listed	None listed	None listed
Freeway Management agencies from which your agency receives		Now York State DCT		
francisco transal time a superda and an eliticus	Nama liatad	New York State DOT,	Nama liatad	Nama liatad
freeway travel times, speeds, and conditions	None listed	Transcom	None listed	None listed

<sup>\*</sup>short survey: Agency responded using a short survey. The survey did not include names of individual agencies, but only identified whether integration exists.

	New York State D	New York State DOT-Hudson Valley Region 8		New York State DOT-Long Island Region 10	
Agency Name	1999	2005	1999	2005	
Agency Returned Survey?	Yes		Yes		
Arterial Management Section					
Arterial Mgt. agencies in metropolitan area with which you share info.					
Share Timing Plans Information					
	short survey	None listed	None listed	None listed	
Coordinate Changes to Timing Plans					
			Brookhaven Town, Suffolk		
	short survey	None listed	County, Nassau County	None listed	
Turn over Control of Signals					
	abort our roy	None listed	None listed	None listed	
Agencies your agency provides arterial travel times, speeds, and	short survey	None listed	None listed	None listed	
conditions information, share infrastructure or coordinates operation					
Freeway Management Agencies					
Provide Information					
Provide information					
	short survey	None listed	None listed	None listed	
Share Infrastructure	Short survey	None listed	None listed	None iisted	
			New York State		
			Department of Transportation,		
	None listed	None listed	TRANSCOM	None listed	
Coordinate Operation	TTOTIO NOCOG	. torio notos			
•					
	None listed	None listed	None listed	None listed	
	110110 110100				

	New York State D	OT-Hudson Valley Region 8	New York State DOT-Long Island Region 10	
Agency Name	1999	2005	1999	2005
Provide Information				
	short survey	None listed	None listed	None listed
Share Infrastructure				
			New York State	
			Department of	
			Transportation,	
	None listed	None listed	TRANSCOM	None listed
Coordinate Operation				
	None listed	None listed	None listed	None listed
Public Transit Operators Agencies				
Provide Information				
	l.,			
Chara Infrastrustura	None listed	None listed	None listed	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation	None listed	Notice listed	None listed	Notice listed
Oddinate Operation				
	None listed	None listed	None listed	None listed
Arterial Management Agencies				
Provide Information				
	Name Batan	Name liete d	Nama linta d	Nama liata d
Share Infrastructure	None listed	None listed	None listed	None listed
Share initiastructure				
	Name Batan	Name liete d	Nama linta d	Nama liata d
	None listed	None listed	None listed	None listed

	New York State D	OT-Hudson Valley Region 8	New York State [	OOT-Long Island Region 10
Agency Name	1999	2005	1999	2005
Coordinate Operation				
Descrition well time information via alcetronic means from athems	None listed	None listed	None listed	None listed
Receiving real-time information via electronic means from others				
Freeway Management agencies from which your agency receives				
freeway travel times, speeds, and conditions	None listed	None listed	None listed	None listed
Public Transit operators from which your agency receives	None listed	None listed	None listed	TVOTIC IISTEC
razio tranci oporazione nom innen year ageney recorrec				
arterial traval times derived from vehicle probes	None listed	None listed	None listed	None listed
arterial travel times derived from vehicle probes Incident Management agencies from which your agency receives	None listed	None listed	None listed	Notice listed
incident clearance and/or incident severity, location, and type information				
modent dealance and/or modent severity, location, and type information				
Receive information on Incident Clearance	None listed	None listed	None listed	None listed
Receive information on Incident Severity, Location, and Type	None listed	None listed	None listed	None listed
Toll Collection agencies from which your agency receives arterial travel				
times derived from vehicles probes	None listed	None listed	None listed	None listed
Arterial Incident Management Section				
Agencies your agency provides incident severity, location, and type info.				
and/or shares infrastructure and/or coordinates operation				
Emergency Management Agencies				
Provide Information				
	short survey	None listed	None listed	None listed
Share Infrastructure	None listed	None listed	None listed	None listed

	New York State D	OOT-Hudson Valley Region 8	New York State I	New York State DOT-Long Island Region 10	
Agency Name	1999	2005	1999	2005	
Coordinate Operation	None listed	None listed	None listed	None listed	
Freeway Management Agencies					
Provide Information					
	short survey	None listed	None listed	None listed	
Share Infrastructure	Name Pated	Mana Batad	Name Batad	None Batad	
Coordinate Operation	None listed	None listed	None listed	None listed	
Coordinate Operation	None listed	None listed	None listed	None listed	
Public Transit Operators					
Provide Information					
	None listed	None listed	None listed	None listed	
Share Infrastructure	None listed	None listed	TYONC listed	14011C listed	
	None listed	None listed	None listed	None listed	
Coordinate Operation					
	Nieuw Betaul	Nieuw Betaul	Niana Batad	Niana Batad	
Receiving real-time information via electronic means from others	None listed	None listed	None listed	None listed	
Emergency Management agencies from which your agency receives					
arterial incident clearance and/or arterial incident severity					
Receive Arterial Incident Clearance Information	short survey	None listed	None listed	None listed	
Receive Arterial Incident Severity Information	short survey	None listed	None listed	None listed	
Arterial Management agencies from which your agency receives					
arterial travel times, speeds, and conditions	None listed	None listed	None listed	None listed	
Freeway Management agencies from which your agency receives					
				N	
freeway travel times, speeds, and conditions	None listed	None listed	None listed	None listed	

<sup>\*</sup>short survey: Agency responded using a short survey. The survey did not include names of individual agencies, but only identified whether integration exists.

	New York	State DOT-Region 11	Ne	Newark City(NJ)	
Agency Name	1999	2005	1999	2005	
Agency Returned Survey?	Yes		Yes		
Arterial Management Section					
Arterial Mgt. agencies in metropolitan area with which you share info.					
Share Timing Plans Information					
	None listed	None listed	short survey	None listed	
Coordinate Changes to Timing Plans					
	None listed	None listed	None listed	None listed	
Turn over Control of Signals					
	None listed	None listed	None listed	None listed	
Agencies your agency provides arterial travel times, speeds, and	None listed	None listed	None listed	None listed	
conditions information, share infrastructure or coordinates operation					
Freeway Management Agencies					
Provide Information					
1 Tovide Information					
	None listed	None listed	None listed	None listed	
Share Infrastructure	Trono notos	Trong noted	Trono notou	Tione noted	
	None listed	None listed	None listed	None listed	
Coordinate Operation					
	None listed	None listed	None listed	None listed	
Incident Management Agencies					

	New York	State DOT-Region 11	Ne	Newark City(NJ)	
Agency Name	1999	2005	1999	2005	
Provide Information					
	None listed	None listed	None listed	None listed	
Share Infrastructure	Trone listed	TYONG NOTEG	THORIC HOLCG	THORIC HOLEG	
	None listed	None listed	None listed	None listed	
Coordinate Operation	Trono noted	TTOTIO NOCOG	TTOTIO NOTOG	Trono netod	
	None listed	None listed	None listed	None listed	
Public Transit Operators Agencies					
Provide Information					
	None listed	None listed	None listed	None listed	
Share Infrastructure					
	None listed	None listed	None listed	None listed	
Coordinate Operation					
	None listed	None listed	None listed	None listed	
Arterial Management Agencies	140110 II3tou	140110 IIOCO	140110 IIOCO	THOTIC HOLOG	
Provide Information					
	None listed	None listed	None listed	None listed	
Share Infrastructure					
	None listed	None listed	None listed	None listed	

	New York State	DOT-Region 11	Newark	City(NJ)
Agency Name	1999	2005	1999	2005
Coordinate Operation				
	None listed	None listed	None listed	None listed
Receiving real-time information via electronic means from others				
Freeway Management agencies from which your agency receives				
freeway travel times, speeds, and conditions	None listed	None listed	None listed	None listed
Public Transit operators from which your agency receives	Trono notou	Trono notou	Trono notou	Trono notou
,				
arterial travel times derived from vehicle probes	None listed	None listed	None listed	None listed
Incident Management agencies from which your agency receives	Trono notou	Trono notou	Trono notou	Trono notou
incident clearance and/or incident severity, location, and type information				
Receive information on Incident Clearance	None listed	None listed	None listed	None listed
Receive information on Incident Severity, Location, and Type	None listed	None listed	None listed	None listed
Toll Collection agencies from which your agency receives arterial travel				
times derived from vehicles probes	None listed	None listed	None listed	None listed
Arterial Incident Management Section				
Agencies your agency provides incident severity, location, and type info.				
and/or shares infrastructure and/or coordinates operation				
Emergency Management Agencies				
Provide Information				
	Nana liatad	Nana liatad	Nana liatad	Nana liatad
Share Infrastructure	None listed	None listed	None listed	None listed
Share illinastructure	None listed	None listed	None listed	None listed

	New York	State DOT-Region 11	Ne	Newark City(NJ)	
Agency Name	1999	2005	1999	2005	
Coordinate Operation	None listed	None listed	None listed	None listed	
Freeway Management Agencies					
Provide Information					
	None listed	None listed	None listed	None listed	
Share Infrastructure	None listed	None listed	None listed	None listed	
Coordinate Operation	TVOTIC IISICU	I VOTIC IISTCU	TYONC IIStCG	None listed	
	None listed	None listed	None listed	None listed	
Public Transit Operators					
Provide Information					
	None listed	None listed	None listed	None listed	
Share Infrastructure					
	None listed	None listed	None listed	None listed	
Coordinate Operation					
	None listed	None listed	None listed	None listed	
Receiving real-time information via electronic means from others					
Emergency Management agencies from which your agency receives					
arterial incident clearance and/or arterial incident severity					
Receive Arterial Incident Clearance Information	None listed	None listed	None listed	None listed	
Receive Arterial Incident Severity Information	None listed	None listed	None listed	None listed	
Arterial Management agencies from which your agency receives					
arterial travel times, speeds, and conditions	None listed	None listed	None listed	None listed	
Freeway Management agencies from which your agency receives		100000000000000000000000000000000000000	10110 11010		
freeway travel times, speeds, and conditions	None listed	None listed	None listed	None listed	

<sup>\*</sup>short survey: Agency responded using a short survey. The survey did not include names of individual agencies, but only identified whether integration exists.

	No	rwalk City(CT)	Ocean County(NJ)	
Agency Name	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes	
Arterial Management Section				
Arterial Mgt. agencies in metropolitan area with which you share info.				
Share Timing Plans Information				
	short survey	None listed	short survey	None listed
Coordinate Changes to Timing Plans				
	short survey	None listed	short survey	None listed
Turn over Control of Signals				
	None listed	None listed	short survey	None listed
Agencies your agency provides arterial travel times, speeds, and	None listed	None listed	Short Survey	None listed
conditions information, share infrastructure or coordinates operation				
Freeway Management Agencies				
Provide Information				
1 Tovide information				
	None listed	None listed	short survey	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation				
	None listed	None listed	None listed	None listed
Incident Management Agencies				

	Norwal	k City(CT)	Ocean County(NJ)	
Agency Name	1999	2005	1999	2005
Provide Information				
Oh and Infrastructure	short survey	None listed	None listed	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation	Trono notou	Trong noted	Trong noted	TYONG NOTOG
'				
Dublic Towns ( On source Associate	None listed	None listed	None listed	None listed
Provide Information				
1 TONGE IIIOTTIALIOTI				
	None listed	None listed	None listed	None listed
Share Infrastructure	Trono notou	Trong noted	Trong noted	TYONG NOTOG
	None listed	None listed	None listed	None listed
Coordinate Operation				
	None listed	None listed	None listed	None listed
Arterial Management Agencies				
Provide Information				
	short survey	None listed	None listed	None listed
Share Infrastructure	SHOIL SUIVEY	TAOLIC IISICA	INOTIC HOLEU	INOTIC IISICU
	None listed	None listed	None listed	None listed

	Noi	rwalk City(CT)	Oce	an County(NJ)
Agency Name	1999	2005	1999	2005
Coordinate Operation				
Receiving real-time information via electronic means from others	None listed	None listed	None listed	None listed
Freeway Management agencies from which your agency receives				
Troomay management agenties from minor year agency receives				
freeway travel times, speeds, and conditions	None listed	None listed	None listed	None listed
Public Transit operators from which your agency receives				
arterial travel times derived from vehicle probes	None listed	None listed	None listed	None listed
Incident Management agencies from which your agency receives				
incident clearance and/or incident severity, location, and type information				
Receive information on Incident Clearance	None listed	None listed	None listed	None listed
Receive information on Incident Severity, Location, and Type	None listed	None listed	None listed	None listed
Toll Collection agencies from which your agency receives arterial travel				
times derived from vehicles probes	None listed	None listed	None listed	None listed
Arterial Incident Management Section	14011C II3tCG	140HC Hoted	140HC Hoted	THORIC HOLCO
Agencies your agency provides incident severity, location, and type info.				
and/or shares infrastructure and/or coordinates operation				
Emergency Management Agencies				
Provide Information				
	short survey	None listed	short survey	None listed
Share Infrastructure	None listed	None listed	None listed	None listed

	No	orwalk City(CT)	Oce	ean County(NJ)
Agency Name	1999	2005	1999	2005
Coordinate Operation	None listed	None listed	None listed	None listed
Freeway Management Agencies				
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation	None listed	None listed	None listed	None listed
Public Transit Operators				
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation	110110 110100	. tono notos	Trene neted	Trene netec
	Nama lintad	None listed	None listed	None listed
Receiving real-time information via electronic means from others	None listed	None listed	None listed	None listed
Emergency Management agencies from which your agency receives				
arterial incident clearance and/or arterial incident severity				
Receive Arterial Incident Clearance Information	short survey	None listed	None listed	None listed
Receive Arterial Incident Severity Information	short survey	None listed	None listed	None listed
Arterial Management agencies from which your agency receives				
arterial travel times, speeds, and conditions	None listed	None listed	None listed	None listed
Freeway Management agencies from which your agency receives	INOTIC IISLEU	NOTIC HOLEU	140HE HSIEU	INOTIC IISICU
Treemay management agencies from which your agency receives				
freeway travel times, speeds, and conditions	None listed	None listed	None listed	None listed

<sup>\*</sup>short survey: Agency responded using a short survey. The survey did not include names of individual agencies, but only identified whether integration exists.

	Ramapo Town(NJ)		Smithto	wn Town
Agency Name	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes	
Arterial Management Section				
Arterial Mgt. agencies in metropolitan area with which you share info.				
Share Timing Plans Information	None listed	None listed	Smithtown Town, Suffolk County, NYSDOT Region 10	None listed
Coordinate Changes to Timing Plans	None listed	None listed	Smithtown Town, Suffolk County, NYSDOT Region 10	None listed
Turn over Control of Signals	None listed	None listed	Smithtown Town, Suffolk County, NYSDOT Region 10	None listed
Agencies your agency provides arterial travel times, speeds, and				
conditions information, share infrastructure or coordinates operation				
Freeway Management Agencies				
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure	None listed	None listed	None listed	None listed
Coordinate Operation	None listed	None listed	None listed	None listed
Incident Management Agencies				

	Ramapo	Town(NJ)	Smithtown Town	
Agency Name	1999	2005	1999	2005
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure	Tione notes	Trong motor	. tono notos	. torro motou
Occasionals Operation	None listed	None listed	None listed	None listed
Coordinate Operation				
	None listed	None listed	None listed	None listed
Public Transit Operators Agencies				
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure	Trone noted	Trone lioted	Trone noted	TYONG HOLGO
	None listed	None listed	None listed	None listed
Coordinate Operation				
	None listed	None listed	None listed	None listed
Arterial Management Agencies				
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure				
	Name listed	Nama liatad	Nama liatad	Nama liatad
	None listed	None listed	None listed	None listed

	Ran	napo Town(NJ)	Sm	ithtown Town
Agency Name	1999	2005	1999	2005
Coordinate Operation				
	Nama lintad	Nama liatad	Nama lintad	Nama liatad
Receiving real-time information via electronic means from others	None listed	None listed	None listed	None listed
Freeway Management agencies from which your agency receives				
freeway travel times, speeds, and conditions	None listed	None listed	None listed	None listed
Public Transit operators from which your agency receives				
arterial travel times derived from vehicle probes	None listed	None listed	None listed	None listed
Incident Management agencies from which your agency receives				
incident clearance and/or incident severity, location, and type information				
Receive information on Incident Clearance	None listed	None listed	None listed	None listed
Receive information on incluent clearance	None listed	None listed	None listed	Notice listed
Receive information on Incident Severity, Location, and Type	None listed	None listed	None listed	None listed
Toll Collection agencies from which your agency receives arterial travel	Trone noted	TYONG HOLEG	TYONE HOLEG	Trone noted
times derived from vehicles probes	None listed	None listed	None listed	None listed
Arterial Incident Management Section				
Agencies your agency provides incident severity, location, and type info.				
and/or shares infrastructure and/or coordinates operation				
Emergency Management Agencies				
Provide Information				
				l.,
Chave lafreshwishing	None listed	None listed	None listed	None listed
Share Infrastructure	None listed	None listed	None listed	None listed

	Rar	mapo Town(NJ)	Sn	nithtown Town
Agency Name	1999	2005	1999	2005
Coordinate Operation	None listed	None listed	None listed	None listed
Freeway Management Agencies				
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation				
	None listed	None listed	None listed	None listed
Public Transit Operators				
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation				
	None listed	None listed	None listed	None listed
Receiving real-time information via electronic means from others	None listed	None listed	None listed	None listed
Emergency Management agencies from which your agency receives				
arterial incident clearance and/or arterial incident severity				
Receive Arterial Incident Clearance Information	None listed	None listed	None listed	None listed
Receive Arterial Incident Severity Information	None listed	None listed	None listed	None listed
Arterial Management agencies from which your agency receives	Trone noted	TVOTIC HOLEG	TYONE HOLEG	TYONC HOLCO
arterial travel times, speeds, and conditions	None listed	None listed	None listed	None listed
Freeway Management agencies from which your agency receives				
freeway travel times, speeds, and conditions	None listed	None listed	None listed	None listed

<sup>\*</sup>short survey: Agency responded using a short survey. The survey did not include names of individual agencies, but only identified whether integration exists.

	Somers	et County	Stamford City(CT)	
Agency Name	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes	
Arterial Management Section				
Arterial Mgt. agencies in metropolitan area with which you share info.				
Share Timing Plans Information				
	New Jersey Department o	f		
	Transportation(NJ)	Union County(NJ)	short survey	None listed
Coordinate Changes to Timing Plans	· · · · · · · · · · · · · · · · · · ·	construction (construction)	5.15.1 5 di. 1 5 y	Trong notes
3		Hunterdon County,		
	New Jersey Department o			
	Transportation(NJ)	Union County(NJ)	short survey	None listed
Turn over Control of Signals		2 2 2 2 3 3 (0.00)		
•				
	None listed	None listed	None listed	None listed
Agencies your agency provides arterial travel times, speeds, and				
conditions information, share infrastructure or coordinates operation				
Freeway Management Agencies				
Provide Information				
	Name Batani	Niama Bakad	Niama Bakad	Niene Beterd
Share Infrastructure	None listed	None listed	None listed	None listed
Share initiastructure				
	<b>.</b>			l., ., .
Occardinate Occarding	None listed	None listed	None listed	None listed
Coordinate Operation				
	None listed	None listed	None listed	None listed
Incident Management Agencies				

	Somerset County		Stamford	d City(CT)
Agency Name	1999	2005	1999	2005
Provide Information				
	New Jersey Department of			
Chave before the category	Transportation(NJ)	None listed	None listed	None listed
Share Infrastructure				
	New Jersey Department of			
			None listed	None listed
Coordinate Operation	Transportation(Tto)	Trono notod	Trono notod	Trono notou
'				
	New Jersey Department of			
Dublic Transit Onevetors Assessing	Transportation(NJ)	None listed	None listed	None listed
Public Transit Operators Agencies Provide Information				
1 Tovide information	New Jersey Transit			
	Corporation(NJ)	None listed	None listed	None listed
Share Infrastructure	, ,			
	New Jersey Transit			
	Corporation(NJ)	None listed	None listed	None listed
Coordinate Operation				
	New Jersey Transit			
	Corporation(NJ)	None listed	None listed	None listed
Arterial Management Agencies				
Provide Information				
	Hunterdon County,			
	Middlesex County(NJ),			
	New Jersey Department of Transportation(NJ)	None listed	None listed	None listed
Share Infrastructure		INOTIC IISICU	INOTIC IISICU	INOTIC IISIEU
	Hunterdon County, Middlesex County(NJ),			
	New Jersey Department of			
	Transportation(NJ)	None listed	None listed	None listed

	Somerse	et County	Stamfor	d City(CT)
Agency Name	1999	2005	1999	2005
Coordinate Operation				
	Hunterdon County,			
	Middlesex County(NJ),			
	New Jersey Department of			
	Transportation(NJ)	None listed	None listed	None listed
Receiving real-time information via electronic means from others				
Freeway Management agencies from which your agency receives				
	Nov. Jana av Dan antra ant af			
for some formal days a some design defense	New Jersey Department of	Maria - Bakard	Niana Catad	Niene Beterl
freeway travel times, speeds, and conditions	Transportation(NJ)	None listed	None listed	None listed
Public Transit operators from which your agency receives				
	New Jersey Transit			
arterial travel times derived from vehicle probes	Corporation(NJ)	None listed	None listed	None listed
Incident Management agencies from which your agency receives				
incident clearance and/or incident severity, location, and type information				
Receive information on Incident Clearance	New Jersey Department of Transportation(NJ)	None listed	None listed	None listed
Receive information on Incident Severity, Location, and Type	New Jersey Department of Transportation(NJ)	None listed	None listed	None listed
Toll Collection agencies from which your agency receives arterial travel				
times derived from vehicles probes	None listed	None listed	None listed	None listed
Arterial Incident Management Section				
Agencies your agency provides incident severity, location, and type info.				
and/or shares infrastructure and/or coordinates operation				
Emergency Management Agencies				
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure	Somerset County	None listed	None listed	None listed

	Somerse	erset County Stamford		mford City(CT)
Agency Name	1999	2005	1999	2005
Coordinate Operation	Somerset County	None listed	None listed	None listed
Freeway Management Agencies	-			
Provide Information				
	New Jersey Department of			
	Transportation(NJ)	None listed	None listed	None listed
Share Infrastructure	New Jersey Department of			
	Transportation(NJ)	None listed	None listed	None listed
Coordinate Operation	New Jersey Department of			
	Transportation(NJ)	None listed	None listed	None listed
Public Transit Operators				
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation				
	None listed	None listed	None listed	None listed
Receiving real-time information via electronic means from others				
Emergency Management agencies from which your agency receives				
arterial incident clearance and/or arterial incident severity				
Receive Arterial Incident Clearance Information	None listed	None listed	None listed	None listed
Receive Arterial Incident Severity Information	None listed	None listed	None listed	None listed
Arterial Management agencies from which your agency receives				
arterial travel times, speeds, and conditions	None listed	None listed	None listed	None listed
Freeway Management agencies from which your agency receives				
freeway travel times, speeds, and conditions	None listed	None listed	None listed	None listed

<sup>\*</sup>short survey: Agency responded using a short survey. The survey did not include names of individual agencies, but only identified whether integration exists.

	Union	City - New Jersey	W	arren County
Agency Name	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes	
Arterial Management Section				
Arterial Mgt. agencies in metropolitan area with which you share info.				
Share Timing Plans Information				
	short survey	None listed	None listed	None listed
Coordinate Changes to Timing Plans				
	short survey	None listed	None listed	None listed
Turn over Control of Signals				
	short survey	None listed	None listed	None listed
Agencies your agency provides arterial travel times, speeds, and	Short survey	THORIC HOLCG	TYONG HOLGO	Trone listed
conditions information, share infrastructure or coordinates operation				
Freeway Management Agencies				
Provide Information				
Trovide information				
	None listed	None listed	None listed	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation				
	None listed	None listed	None listed	None listed
Incident Management Agencies				

	Union City	- New Jersey	Warren County	
Agency Name	1999	2005	1999	2005
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation				
	None listed	None listed	None listed	None listed
Public Transit Operators Agencies	Trono notod	. tono notou	Trong notes	Trong notes
Provide Information				
	short survey	None listed	None listed	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation				
	None listed	None listed	None listed	None listed
Arterial Management Agencies				
Provide Information				
		N		<u></u>
Chara Infrastructura	None listed	None listed	None listed	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed
	None listed	None listed	None listed	None listed

	Union C	Union City - New Jersey		arren County
Agency Name	1999	2005	1999	2005
Coordinate Operation				
Description week times information via all atmospheric manages from athems	None listed	None listed	None listed	None listed
Receiving real-time information via electronic means from others  Freeway Management agencies from which your agency receives				
rreeway management agencies from which your agency receives				
freeway travel times, speeds, and conditions	None listed	None listed	None listed	None listed
Public Transit operators from which your agency receives	Trone noted	None noted	Trone nated	Trone listed
arterial travel times derived from vehicle probes	None listed	None listed	None listed	None listed
Incident Management agencies from which your agency receives	None listed	None listed	IVOITE IISTEG	TVOTIC IISICU
incident clearance and/or incident severity, location, and type information				
Receive information on Incident Clearance	short survey	None listed	None listed	None listed
	, , , ,			
Receive information on Incident Severity, Location, and Type	short survey	None listed	None listed	None listed
Toll Collection agencies from which your agency receives arterial travel				
times derived from vehicles probes	None listed	None listed	None listed	None listed
Arterial Incident Management Section				
Agencies your agency provides incident severity, location, and type info.				
and/or shares infrastructure and/or coordinates operation				
Emergency Management Agencies				
Provide Information				
	short survey	None listed	None listed	None listed
Share Infrastructure	None listed	None listed	None listed	None listed

	Union	City - New Jersey	W	arren County
Agency Name	1999	2005	1999	2005
Coordinate Operation	None listed	None listed	None listed	None listed
Freeway Management Agencies				
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation				
	None listed	None listed	None listed	None listed
Public Transit Operators				
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation				
	None listed	None listed	None listed	None listed
Receiving real-time information via electronic means from others	None listed	None listed	None listed	None listed
Emergency Management agencies from which your agency receives				
arterial incident clearance and/or arterial incident severity				
Receive Arterial Incident Clearance Information	None listed	None listed	None listed	None listed
Receive Arterial Incident Severity Information	None listed	None listed	None listed	None listed
Arterial Management agencies from which your agency receives				
· · ·				
arterial travel times, speeds, and conditions	None listed	None listed	None listed	None listed
Freeway Management agencies from which your agency receives				
freeway travel times, speeds, and conditions	None listed	None listed	None listed	None listed

<sup>\*</sup>short survey: Agency responded using a short survey. The survey did not include names of individual agencies, but only identified whether integration exists.

	Wes	stchester County
Agency Name	1999	2005
Agency Returned Survey?	Yes	
Arterial Management Section		
Arterial Mgt. agencies in metropolitan area with which you share info.		
Share Timing Plans Information		
	None listed	White Plains
Coordinate Changes to Timing Plans		New York State
		Department of
	None listed	Transportation Region 8, White Plains
Turn over Control of Signals	None listed	Wille Flails
Turn over Control of Signals		
	None listed	None listed
Agencies your agency provides arterial travel times, speeds, and		
conditions information, share infrastructure or coordinates operation		
Freeway Management Agencies		
Provide Information		
		New York State
		Department of
	None listed	Transportation Region 8
Share Infrastructure		
		New York State
		Department of
Coordinate Operation	None listed	Transportation Region 8
Coordinate Operation		
		New York State
	N	Department of
Insident Management Agencies	None listed	Transportation Region 8
Incident Management Agencies		

	Wes	stchester County
Agency Name	1999	2005
Provide Information		
		New York State
		Department of
	None listed	Transportation Region 8
Share Infrastructure		
		New York State
	None listed	Department of Transportation Region 8
Coordinate Operation	None listed	Transportation Region o
		New York State
		Department of
Public Transit Operators Agencies	None listed	Transportation Region 8
Provide Information		Westchester County
		Department of
	None listed	Transportation
Share Infrastructure		Westchester County
	N	Department of
Coordinate Operation	None listed	Transportation
Coordinate Operation		
Arterial Management Agencies	None listed	None listed
Provide Information		
		New York State
		Department of
	<b>.</b>	Transportation Region 8,
Share Infrastructure	None listed	White Plains City
Share initastructure		New York State
		Department of Transportation Region 8,
	None listed	White Plains City

	Wes	tchester County
Agency Name	1999	2005
Coordinate Operation		
		New York State
		Department of
		Transportation Region 8,
	None listed	White Plains City
Receiving real-time information via electronic means from others		
Freeway Management agencies from which your agency receives		
		New York State
		Department of
		Transportation Region 8,
freeway travel times, speeds, and conditions	None listed	TRANSCOM
Public Transit operators from which your agency receives		
autorial traval times deviced from which are	Nama lintad	None listed
arterial travel times derived from vehicle probes Incident Management agencies from which your agency receives	None listed	None listed
incident clearance and/or incident severity, location, and type information		
Receive information on Incident Clearance	None listed	None listed
Receive information on Incident Severity, Location, and Type	None listed	None listed
Toll Collection agencies from which your agency receives arterial travel	Trene mercu	. Tono lietod
		MTA Bridges & Tunnels,
		New York State Thruway
times derived from vehicles probes	None listed	Authority
Arterial Incident Management Section		
Agencies your agency provides incident severity, location, and type info.		
and/or shares infrastructure and/or coordinates operation		
Emergency Management Agencies		
Provide Information		
	None listed	None listed
Share Infrastructure	None listed	None listed

	Wes	tchester County
Agency Name	1999	2005
Coordinate Operation	None listed	None listed
Freeway Management Agencies		
Provide Information		
	None listed	None listed
Share Infrastructure	None listed	None listed
Coordinate Operation	None listed	Notice listed
Coordinate Operation	None listed	None listed
Public Transit Operators		
Provide Information		
	None listed	None listed
Share Infrastructure		
	None listed	None listed
Coordinate Operation		
	None listed	None listed
Receiving real-time information via electronic means from others		
Emergency Management agencies from which your agency receives		
arterial incident clearance and/or arterial incident severity		
Receive Arterial Incident Clearance Information	None listed	None listed
Receive Arterial Incident Severity Information	None listed	None listed
Arterial Management agencies from which your agency receives		
arterial travel times, speeds, and conditions	None listed	None listed
Freeway Management agencies from which your agency receives		
freeway travel times, speeds, and conditions	None listed	None listed

<sup>\*</sup>short survey: Agency responded using a short survey. The survey did not include names of individual agencies, but only identified whether integration exists.

Appendix H
Arterial Management Information Collection and Dissemination

							1	
			Bay	onne	Be	rgen		
		n Town		/(NJ)		ty(NJ)		rt City(CT)
Agency Name	1999	2005	1999	2005	1999	2005	1999	2005
Assessed Debugged Over 10								
Agency Returned Survey?	Yes		Yes		Yes		Yes	
Arterial Management Section								
Data collected, archived, and/or transferred to another agency								
Collected by your agency							Traffic volumes, Traffic speeds, Vehicle classification, Turning movements,	Traffic volumes, Traffic speeds, Vehicle classification, Turning movements,
Archived by your agency	NR	NR	NR	NR	NR	NR	Phasing/cycle lengths	Phasing/cycle lengths
	NR	NR	NR	NR	NR	NR	Traffic volumes, Traffic speeds, Vehicle classification, Turning movements, Phasing/cycle lengths	Traffic volumes, Traffic speeds, Vehicle classification, Turning movements, Phasing/cycle lengths
Transferred to another agency by your agency							- · · · · ·	
	NR	NR	NR	NR	NR	NR	NR	NR
Importance of making information available to the public	14/1	INIX						,

			Bayonne		Bergen				
	Babyloi	n Town	City	y(NJ)	Cour	nty(NJ)	Bridgepo	rt City(CT)	
Agency Name	1999	2005	1999	2005	1999	2005	1999	2005	
Ranked High									
	NR		NR		NR		NR		
Ranked Medium									
	NR		NR		NR		NR		
Ranked Low	INFC		INIK		INK		INK		
Trained Low									
							Troffic volumes. Troffic en	eeds, Vehicle classification,	
	NR		NR		NR		Turning movements, Phas	ing/cycle lengths	
Groups that make requests for the data							J 22, 7 1186	<u> </u>	
	NR		NR		NR		Consultants, Developers		
What is the data used for?									
	NR		NR		NR		Traffic analysis, Construct	on impact determination	
Methods used to disseminate arterial information to the public							, , , , , , , , , , , , , , , , , , , ,	p	

		n Town	City	onne /(NJ)	Coun	gen ty(NJ)		rt City(CT)	
Agency Name	1999	2005	1999	2005	1999	2005	1999	2005	
Technologies your agency uses to disseminate:									
	NR	NR	NR	NR	NR	NR	NR	NR	
Technologies your agency (through another agency or org.) uses to disseminate:									
	NR	NR	NR	NR	NR	NR	NR	NR	
Internet web site reporting arterial conditions	NR		NR		NR		NR		
Telephone system for reporting arterial information to the public	NR		NR		NR		NR		
Organizations your agency sends information for dissemination to the public	NR		NR		NR		NR		
Arterial Incident Management Section									
Methods used to distribute incident location and severity information									
to the public									
Technologies your agency uses to disseminate:									
	NR	NR	NR	NR	NR	NR	NR	NR	
Technologies your agency (through another agency or org.) uses to disseminate:									
	NR	NR		NR	NR	NR	NR	NR	
Internet web site reporting incident information	NR		NR		NR		NR		
Telephone system for reporting incident information to the public	NR		NR		NR		NR		
Organizations your agency sends information for dissemination to the public	NR		NR		NR		NR		

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Agency Name  Agency Returned Survey?  Arterial Management Section  Data collected, archived, and/or transferred to another agency  Collected by your agency  NR	lifton City(NJ) 2005  NR	Yes  NR	ortation(CT) 2005  NR	Yes  NR	nge City(NJ) 2005
Agency Returned Survey?  Arterial Management Section  Data collected, archived, and/or transferred to another agency  Collected by your agency  NR		Yes		Yes	
Arterial Management Section  Data collected, archived, and/or transferred to another agency  Collected by your agency  NR	NR		NR		NR
Arterial Management Section  Data collected, archived, and/or transferred to another agency  Collected by your agency  NR	NR		NR		NR
Collected by your agency  NR	NR	NR	NR	NR	NR
Collected by your agency  NR	NR	NR	NR	NR	NR
NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR
Archived by your agency					
Archived by your agency					
NR	NR	NR	NR	NR	NR
Transferred to another agency by your agency					
NR	NR	NR	NR	NR	NR
Importance of making information available to the public	INK	INK	INT	INT	INT

	O	0'' (1)	Connecticut	t Department of	F 10	0'' (111)
A compart Marrie		ton City(NJ) 2005	1999	ortation(CT) 2005	1999	nge City(NJ) 2005
Agency Name Ranked High	1999	2005	1999	2005	1999	2005
Kalikeu Filgii						
	NR		NR		NR	
Ranked Medium	IVIX		IVIX		INIX	
	NR		NR		NR	
Ranked Low						
Groups that make requests for the data	NR		NR		NR	
Groups that make requests for the data						
	NR		NR		NR	
What is the data used for?						
	ND		ND		ND	
Methods used to disseminate arterial information to the public	NR		NR		NR	

Annana Nama		on City(NJ)	Transpor	Department of tation(CT)	East Orange City(NJ)	
Agency Name	1999	2005	1999	2005	1999	2005
Technologies your agency uses to disseminate:						
	NR	NR	NR	NR	NR	NR
Technologies your agency (through another agency or org.) uses to disseminate:	NR	NR	NR	NR	NR	NR
Internet web site reporting arterial conditions	NR		NR		NR	
Telephone system for reporting arterial information to the public	NR	NR NR		NR		
Organizations your agency sends information for dissemination to the public	NR		NR		NR	
Arterial Incident Management Section						
Methods used to distribute incident location and severity information						
to the public						
Technologies your agency uses to disseminate:			Internet Web sites, Pagers or personal data			
Table de la	NR	NR	assistants, Kiosks		NR	NR
Technologies your agency (through another agency or org.) uses to disseminate:	NR	NR	NR	NR	NR	NR
Internet web site reporting incident information	NR		NR		NR	
Telephone system for reporting incident information to the public	NR		NR		NR	
Organizations your agency sends information for dissemination to the public	NR		NR		NR	

	Eliza	abeth City(NJ)	(NJ) Fairfield Town(CT)		
Agency Name	1999	2005	1999	2005	
ngency reame	1333	2000	1333	2003	
Agency Returned Survey?	Yes		Yes		
Arterial Management Section	1.00		1.00		
Data collected, archived, and/or transferred to another agency					
Collected by your agency					
	NR	NR	NR	NR	
Archived by your agency	INIX	INIX	INIX	INIX	
A convect by your agonoy					
	NR	NR	NR	NR	
Transferred to another agency by your agency					
	NR	NR	NR	NR	
mportance of making information available to the public					

	Elizabo	th City(NJ)	Fairfield Town(CT)			
Agency Name	1999	2005	1999	2005		
Ranked High	1999	2003	1999	2003		
Talliou Figit						
	NR		NR			
Ranked Medium						
	NR		NR			
Ranked Low						
	NR		NR			
Groups that make requests for the data						
	NR		Consultants, Put complaints/Rese	OliC Jarch/Question		
What is the data used for?	IVIX		complaints/resc	arch/Question		
			Traffic analysis,	Dissemination		
			the public, Answ	ering Public		
	NR		Concerns			
Methods used to disseminate arterial information to the public						

	Elizabe	th City(NJ)	Fairfield Town(CT)		
Agency Name	1999 2005		1999	2005	
Technologies your agency uses to disseminate:					
Tachpalarias your agansy (through another agansy or arg.) years to discoming to	NR	NR	NR	NR	
Technologies your agency (through another agency or org.) uses to disseminate:	NR	NR	NR	NR	
Internet web site reporting arterial conditions	NR		NR		
Telephone system for reporting arterial information to the public	NR				
Organizations your agency sends information for dissemination to the public	NR		NR		
Arterial Incident Management Section					
Methods used to distribute incident location and severity information					
to the public					
Technologies your agency uses to disseminate:					
	Dedicated cable	ND	ND	NID	
Technologies your agency (through another agency or org.) uses to disseminate:	TV	NR	NR	NR	
	NR	NR	NR	NR	
Internet web site reporting incident information	NR		NR		
Telephone system for reporting incident information to the public	NR		NR		
Organizations your agency sends information for dissemination to the public	NR		NR		

	Greenb	Greenwich Town(CT)		
Agency Name	1999	2005	1999	2005
igonoy riamo		2000		
Agency Returned Survey?	Yes		Yes	
Arterial Management Section				
Data collected, archived, and/or transferred to another agency				
Collected by your agency				
	Traffic volumes, Traffi	С		
	speeds	NR	NR	NR
Archived by your agency				
	NR	NR	NR	NR
Transferred to another agency by your agency				
	NR	NR	NR	NR

	Greenh	ourgh Town	Greenwich Town(CT)			
Agency Name	1999	2005	1999	2005		
Ranked High				1		
			Traffic volumes,			
	Traffic volumes, Traff	ic speeds	lengths, Schedule	ed work zones		
Ranked Medium						
			Emergency vehic			
			preemption, Incide Emergency/evac	lents, uation routes a		
	NR		procedures	uation routes a		
Ranked Low						
	NR		NR			
Groups that make requests for the data	111.					
			State DOT perso	nnel, MPOs,		
What is the data used for?	State DOT personnel	, Consultants, Public	Consultants			
what is the data used for?						
			Traffic analysis, (			
			impact determina Roadway impact			
			Accident prediction	on models,		
	Traffic analysis, Disse	emination to the public	Dissemination to	the public		
Methods used to disseminate arterial information to the public						

	Greenbu	Greenwich Town(CT)			
Agency Name	1999	2005	1999	2005	
Technologies your agency uses to disseminate:					
	NR	NR	NR	NR	
Technologies your agency (through another agency or org.) uses to disseminate:					
	NR	NR	NR	NR	
nternet web site reporting arterial conditions	NR	NR			
Telephone system for reporting arterial information to the public	NR	NR			
Organizations your agency sends information for dissemination to the public	NR		NR		
Arterial Incident Management Section					
Methods used to distribute incident location and severity information					
to the public					
Technologies your agency uses to disseminate:					
	Telephone system, E-				
	mail or other direct PC				
	communication	NR	NR	NR	
Technologies your agency (through another agency or org.) uses to disseminate:	NR	NR	NR	NR	
nternet web site reporting incident information	NR		NR		
Telephone system for reporting incident information to the public	NR		NR		
Organizations your agency sends information for dissemination to the public	NR		NR		

	Hudson County(NJ)		Hudson County(NJ) Hunterdo		
Agency Name	1999	2005	1999	2005	
Agency Returned Survey?	Yes		Yes		
Arterial Management Section					
Data collected, archived, and/or transferred to another agency					
Collected by your agency				Traffic volumes, Traffic speeds, Lane occupancy, Route designations (snow emergency, etc.), Current	
	NR		work zones, Scheduled work zones	work zones, Scheduled work zones	
Archived by your agency	NR			Traffic volumes, Traffic speeds, Lane occupancy, Route designations (snow emergency, etc.), Current work zones, Scheduled work zones	
Transferred to another agency by your agency	NR			Traffic volumes, Traffic speeds, Lane occupancy. Route designations (snow emergency, etc.), Current work zones, Scheduled work zones	
Importance of making information available to the public	INIZ	INIZ	WOLK ZULIES	WOLK ZUITES	

	Huden	on County(NJ)	Hunterdon County			
Agency Name	1999	2005	1999	2005		
Ranked High		•				
			Traffic volumes, Traffic sp	eeds, Lane occupancy,		
	NR		Route designations (snow work zones, Scheduled w	emergency, etc.), Currer		
Ranked Medium	INIX		work zories, scrieduled w	OIK ZOITES		
	NR		NR			
Ranked Low	I		IVIX			
One was that make an arrange for the slate	NR		NR			
Groups that make requests for the data						
	NR		State DOT personnel, MP	Os, Consultants, Public		
What is the data used for?						
			Traffic analysis, Construc	tion impact determination		
			Planning, Roadway impac	t analysis, Dissemination		
Methods used to disseminate arterial information to the public	NR		the public, Real Estate Pu	rchase		

	Hudso	n County(NJ)	Hun	terdon County	
Agency Name	1999	2005	1999	2005	
Technologies your agency uses to disseminate:					
	NR	NR	Facsimile	Facsimile	
Technologies your agency (through another agency or org.) uses to disseminate:	NR	NR	Facsimile	Facsimile	
nternet web site reporting arterial conditions	NR	R NR			
Telephone system for reporting arterial information to the public	NR		NR		
Organizations your agency sends information for dissemination to the public	NR		NR		
Arterial Incident Management Section					
Methods used to distribute incident location and severity information					
to the public					
Technologies your agency uses to disseminate:					
	NR	NR	NR	NR	
Technologies your agency (through another agency or org.) uses to disseminate:	NR	NR	NR	NR	
nternet web site reporting incident information	NR		NR		
Telephone system for reporting incident information to the public	NR		NR		
Organizations your agency sends information for dissemination to the public	NR		NR		

	Jersey City(NJ)		Middlesex	County(NJ)	Mount Vernon City		Nassau	u County
Agency Name	1999	2005	1999	2005	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes		Yes		Yes	
Arterial Management Section								
Data collected, archived, and/or transferred to another agency								
Collected by your agency								
	NR	NR	NR	NR	NR	NR	NR	NR
Archived by your agency	1111	1111	1111	1111			1111	
- C 11 11 11 11 11 11 11 11 11 11 11 11 1	NR	NR	NR	NR	NR	NR	NR	NR
Transferred to another agency by your agency								
	NR	NR	NR	NR	NR	NR	NR	NR
Importance of making information available to the public								

	Jersey City(NJ)		Middlesex County(NJ)		Mount Vernon City		Nassau County		
Agency Name	1999		2005	1999	2005	1999	2005	1999	2005
Ranked High									
Ranked Medium	NR			NR		NR		Incidents	
	NR			NR		NR		Traffic volum speeds, Pha lengths, Roa Weather cor Current work Scheduled w Emergency/ routes and p	asing/cycle ad conditions nditions, c zones, vork zones, evacuation
Ranked Low									
	NR			NR		NR		Lane occupa classification movements, Emergency signal preem Transit vehic priority, Rou designations emergency, Intermodal (a water) conne Highway ope coordination	n, Turning Queues, vehicle nption, cle signal te s (snow etc.), air, rail, ections, erations
Groups that make requests for the data									
	NR			NR		NR		Consultants	
What is the data used for?	INIX			1417		INIX		Consultants	
	NR			NR		NR		Traffic analy	sis, Planning
Methods used to disseminate arterial information to the public								Trainio arialy	,

	Jersev	Jersey City(NJ) Middle		Jersey City(NJ) Middlesex County(NJ)		Mount V	ernon City	Nassau County	
Agency Name	1999	2005	1999	2005	1999	2005	1999	2005	
Technologies your agency uses to disseminate:	1000	2000	1000	1000	1000	2000	1000	2555	
	NR	NR	NR	NR	NR	NR	NR	NR	
Technologies your agency (through another agency or org.) uses to disseminate:	NR	NR	NR	NR	NR	NR	NR	NR	
Internet web site reporting arterial conditions	NR	NR NR I		NR		NR			
Telephone system for reporting arterial information to the public	NR		NR NR						
Organizations your agency sends information for dissemination to the public	NR		NR						
Arterial Incident Management Section									
Methods used to distribute incident location and severity information									
to the public									
Technologies your agency uses to disseminate:	NR	NR	NR	NR	NR	NR	NR	NR	
Technologies your agency (through another agency or org.) uses to disseminate:	NR	NR	NR	NR	NR	NR	NR	NR	
Internet web site reporting incident information	NR	IMX	NR	Interv	NR	INIX	NR	INC	
Telephone system for reporting incident information to the public	NR NR		NR NR		NR		NR NR		
Organizations your agency sends information for dissemination to the public	NR		NR		NR	NR NR			

	New Jersey Department of Transportation(NJ)		New Jersey Highway Authority(NJ)		New Rochelle City		
Agency Name	1999	2005	1999	2005	1999	2005	
Agency Returned Survey?	Yes		Yes		Yes		
Arterial Management Section							
Data collected, archived, and/or transferred to another agency							
Collected by your agency							
	NR	NR	NR	NR	NR	NR	
Archived by your agency							
	NR	NR	NR	NR	NR	NR	
Transferred to another agency by your agency	INIX	INIX	INIX	INIX	INIX	INIX	
Transferred to direction agency by your agency							
	NR	NR	NR	NR	NR	NR	
Importance of making information available to the public							

	New Jersey Department of Transportation(NJ)		New Jersey Highway Authority(NJ)		New Rochelle City	
Agency Name Ranked High	1999	2005	1999	2005	1999	2005
Ranked High						
	NR		NR		NR	
Ranked Medium						
	NR		NR		NR	
Ranked Low	Turk		TAIX		TWI C	
	NR		NR		NR	
Groups that make requests for the data						
Milest in the date wood for 2	NR		NR		NR	
What is the data used for?						
	l		l		l	
Methods used to disseminate arterial information to the public	NR	-	NR		NR	

	New Jersey Department of Transportation(NJ)		New Jersey Highway Authority(NJ)		New Rochelle City	
Agency Name	1999	2005	1999	2005	1999	2005
Technologies your agency uses to disseminate:						
	E-mail or other direct PC communication	Dedicated cable TV, Telephone system, Internet Web sites, Kiosks, E-mail or other direct PC communication	Telephone system	Telephone system	NR	NR
Technologies your agency (through another agency or org.) uses to disseminate:	NR	NR	NR	NR	NR	NR
Internet web site reporting arterial conditions	NR		NR		NR	
Telephone system for reporting arterial information to the public	NR			NR		
Organizations your agency sends information for dissemination to the public	NR		NR		NR	
Arterial Incident Management Section						
Methods used to distribute incident location and severity information						
to the public						
Technologies your agency uses to disseminate:	NR	Dedicated cable TV, Telephone system, Internet Web sites, Kiosks, E-mail or other direct PC communication	Telephone system	Telephone system	NR	NR
Technologies your agency (through another agency or org.) uses to disseminate:	NR	NR	NR	NR	NR	NR
Internet web site reporting incident information	NR		NR		NR	
Telephone system for reporting incident information to the public	NR		NR		NR	
Organizations your agency sends information for dissemination to the public	NR		NR		NR	

	New York	City DOT	New York City DOT for Queens County		
Agency Name	1999	2005	1999	2005	
Agency Returned Survey?	Yes		Yes		
Arterial Management Section					
Data collected, archived, and/or transferred to another agency					
Collected by your agency					
	Traffic volumes, Traffic				
	speeds, Turning				
	movements, Phasing/cycle lengths,				
	Emergency vehicle signal				
	preemption, Current work				
	zones, Scheduled work				
	zones	NR	NR	NR	
Archived by your agency					
	Phasing/cycle lengths,				
	Emergency vehicle signal				
T ( 1)	preemption	NR	NR	NR	
Transferred to another agency by your agency					
		Traffic volumes, Traffic			
		speeds, Turning			
	Current work zones,	movements, Current work		ND	
house after a few alsons to few authors are the few at the second	Scheduled work zones	zones	NR	NR	
Importance of making information available to the public					

	Now Vo	New York City DOT			
Agency Name	1999	2005	1999	T for Queens County 2005	
Ranked High	1000	2000	1000	2000	
•					
	Current work zones, Sch	eduled work zones	NR		
Ranked Medium					
	Traffic volumes, Traffic s	peeds, Turning movements,	,		
	Phasing/cycle lengths, E preemption	mergency venicie signai	NR		
Ranked Low	processpaces.				
	NR		NR		
Groups that make requests for the data	INIX		INIX		
·					
	Universities, State DOT	personnel, Consultants	NR		
What is the data used for?					
	Traffic analysis, Construc	ction impact determination,			
	Planning		NR		
Methods used to disseminate arterial information to the public					

	New York	City DOT	New York City DO	T for Queens County	
Agency Name	1999	2005	1999	2005	
Technologies your agency uses to disseminate:					
	Telephone system	Internet Web sites	Telephone system, Internet Web sites, Pagers or personal data assistants, E- mail or other direct PC communication	Dedicated cable TV, Kiosks, In-vehicle navigation systems	
Technologies your agency (through another agency or org.) uses to disseminate:	NR	NR	NR	NR	
Internet web site reporting arterial conditions	NR		NR		
Telephone system for reporting arterial information to the public	1-877-DOT-MOVE		NR		
Organizations your agency sends information for dissemination to the public	Transcom;NYSDOT		NR		
Arterial Incident Management Section					
Methods used to distribute incident location and severity information					
to the public					
Technologies your agency uses to disseminate:	Dedicated cable TV, Telephone system, E-mail or other direct PC communication	Internet Web sites	Pagers or personal data assistants	Dedicated cable TV, Telephone system, Kiosks, E-mail or other direct PC communication, In- vehicle navigation systems	
Technologies your agency (through another agency or org.) uses to disseminate:	NR	NR	NR	NR	
Internet web site reporting incident information	NR		NR	•	
Telephone system for reporting incident information to the public	1-877-DOT-MOVE		NR		
Organizations your agency sends information for dissemination to the public	NR		NR		

	New York State DOT	-Hudson Valley Region	New York State DOT-Long Island Region 10			
A second Alexand		8				
Agency Name	1999	2005	1999	2005		
Agency Returned Survey?	Yes		Yes			
Arterial Management Section						
Data collected, archived, and/or transferred to another agency						
Collected by your agency						
	NR	NR	Traffic volumes, Traffic speeds, Phasing/cycle lengths, Weather conditions, Incidents, Current work zones, Scheduled work zones	NR		
Archived by your agency						
	NR	NR	Traffic volumes, Traffic speeds, Phasing/cycle lengths, Incidents, Current work zones, Scheduled work zones	NR		
Transferred to another agency by your agency		<del>-</del>				
Transferred to aniother agency by your agency	NR	NR	Incidents, Current work zones, Scheduled work zones	NR		
Importance of making information available to the public						

	New Year Otata D	OT 11d 1/-!! D	_			
	New York State Do	OT-Hudson Valley Regio 8	New York State DOT-Long Island Region 10			
Agency Name	1999	2005	1999	2005		
Ranked High						
			Traffic speeds, Incidents, Cu	rrent work zones,		
	NR		Scheduled work zones			
Ranked Medium						
Ranked Low	NR		NR			
Railked Low						
	NR		Traffic volumes, Phasing/cyc	ele lengths, Weather		
Groups that make requests for the data	INIX		Conditions			
·			Universities, Media (I.e., TV	stations, radio stations),		
	NR		Consultants	<u> </u>		
What is the data used for?						
	NR		Traffic analysis, Planning, Di	ssemination to the public		
Methods used to disseminate arterial information to the public	INIX		Tranic analysis, Flanning, Di	ssemilation to the publi		
ethods used to disseminate arterial information to the public						

		8	New York State DOT-Long Island Region 10		
Agency Name	1999	2005	1999	2005	
Technologies your agency uses to disseminate:					
		Dedicated cable TV,			
		Telephone system,			
		Internet Web sites,			
		Pagers or personal			
		data assistants,			
		Interactive TV, Kiosks,			
		E-mail or other direct			
	NR	PC communication	Facsimile	Internet Web sites	
Technologies your agency (through another agency or org.) uses to disseminate:			Dedicated cable TV,		
	NR	NR	Internet Web sites	NR	
Internet web site reporting arterial conditions	NR		www.metrocommute.com		
Telephone system for reporting arterial information to the public	NR		NR		
Organizations your agency sends information for dissemination to the public	NR		Shadow Traffic		
Arterial Incident Management Section					
Methods used to distribute incident location and severity information					
to the public					
Technologies your agency uses to disseminate:					
		Dedicated cable TV,			
		Telephone system,			
	Talankanaan	Pagers or personal			
	Telephone system,	data assistants,			
	· · · · · · · · · · · · · · · · · · ·	Interactive TV, Kiosks,			
	mail or other direct	E-mail or other direct	ND	ND	
Tochnologica your aganay (through another aganay or arg.) uses to discominate:	PC communication		NR	NR	
Technologies your agency (through another agency or org.) uses to disseminate:	NR	NR	NR	NR	
Internet web site reporting incident information	NR		NR		
Telephone system for reporting incident information to the public	NR		NR		
Organizations your agency sends information for dissemination to the public	NR		NR		

		New York State DOT-Region 11		Newark City(NJ)		Norwalk City(CT)		
Agency Name	1999	2005	1999	2005	1999	2005		
Agency Returned Survey?	Yes		Yes		Yes			
Arterial Management Section								
Data collected, archived, and/or transferred to another agency								
Collected by your agency								
	NR	NR	NR	NR	NR	NR		
Archived by your agency								
	NR	NR	NR	NR	NR	NR		
Transferred to another agency by your agency	INK	INK	INK	INK	INK	NR		
Transferred to another agency by your agency								
						1		
						1		
	NR	NR	NR	NR	NR	NR		
Importance of making information available to the public	INEX	INIX	INIX	INEX	INIX	INIX		

	New York State DOT-Region 11		Newark City(NJ)		Norwalk City(CT)	
Agency Name	1999	2005	1999	2005	1999	2005
Ranked High						
	NR		NR		NR	
Ranked Medium						
	NR		NR		NR	
Ranked Low						
	NR		NR		NR	
Groups that make requests for the data						
What is the data used for?	NR		NR		NR	
avitat 15 tite data used 101 t						
	NR		NR		NR	
Methods used to disseminate arterial information to the public						

	Now York S	tate DOT-Region 11	Newark City(NJ)		Nonva	lk City(CT)	
Agency Name	1999	2005		1999 2005		2005	
Technologies your agency uses to disseminate:	1000	2000	1000	2000	1999	2000	
	NR	NR	NR	NR	NR	Dedicated cable TV, Telephone system, Internet Web sites, Kiosks	
Technologies your agency (through another agency or org.) uses to disseminate:	NR	NR	NR	NR	NR	NR	
Internet web site reporting arterial conditions	NR		NR		NR	_	
Telephone system for reporting arterial information to the public	NR		NR		NR		
Organizations your agency sends information for dissemination to the public	NR		NR		NR		
Arterial Incident Management Section							
Methods used to distribute incident location and severity information							
to the public							
Technologies your agency uses to disseminate:	NR	NR	NR	NR	NR	Dedicated cable TV, Telephone system, Internet Web sites, Kiosks	
Technologies your agency (through another agency or org.) uses to disseminate:	NR	NR	NR	NR	NR	NR	
Internet web site reporting incident information	NR	1	NR		NR	•	
Telephone system for reporting incident information to the public	NR		NR		NR		
Organizations your agency sends information for dissemination to the public	NR		NR		NR		

	Ocea	Ramapo Town(NJ)		
Agency Name	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes	
Arterial Management Section				
Data collected, archived, and/or transferred to another agency				
Collected by your agency				
	NR	NR	NR	NR
Archived by your agency				
	NR	NR	NR	NR
Transferred to another agency by your agency				
	ND	ND	ND	ND
mportance of making information available to the public	NR	NR	NR	NR

	Ocean	County(NJ)	Ramapo Town(NJ)		
Agency Name	1999	2005	1999	2005	
Agency Name Ranked High					
	NR		NR		
Ranked Medium					
	NR		NR		
Ranked Low	IVIX		INC		
Groups that make requests for the data	NR		NR		
Stoups that make requests for the data					
	NR		NR		
What is the data used for?					
	NR		NR		
Methods used to disseminate arterial information to the public	1417				

	Occar	n County(NJ)	Ramapo Town(NJ)		
Agency Name	1999	2005			
Technologies your agency uses to disseminate:	1333	2003	1333	2005	
Technologies your agency (through another agency or org.) uses to disseminate:	NR	NR	NR	NR	
Internet web site reporting arterial conditions	NR	NR	NR	NR	
	NR		NR		
Telephone system for reporting arterial information to the public	NR		NR		
Organizations your agency sends information for dissemination to the public	NR	-	NR		
Arterial Incident Management Section					
Methods used to distribute incident location and severity information					
to the public					
Technologies your agency uses to disseminate:					
	NR	NR	NR	NR	
Technologies your agency (through another agency or org.) uses to disseminate:	NR	NR	NR	NR	
nternet web site reporting incident information	NR		NR		
Telephone system for reporting incident information to the public	NR		NR		
Organizations your agency sends information for dissemination to the public	NR		NR		

	Smithto	wn Town	Somers	et County			
Agency Name	1999	2005	1999	2005			
Agency Returned Survey?	Yes		Yes				
Arterial Management Section							
Data collected, archived, and/or transferred to another agency							
Collected by your agency	Traffic volumes, Traffic speeds, Vehicle classification, Turning movements, Phasing/cycle lengths, Emergency vehicle signal preemption	NR	Traffic volumes, Traffic speeds, Turning movements, Phasing/cycle lengths, Queues, Route designations (snow emergency, etc.), Incidents, Current work zones, Scheduled work zones, Emergency/evacuation routes and procedures	NR			
Archived by your agency	Traffic volumes, Traffic speeds, Vehicle classification, Turning movements, Phasing/cycle lengths, Emergency vehicle signal preemption	NR	Traffic volumes, Traffic speeds, Turning movements, Phasing/cycle lengths, Queues, Route designations (snow emergency, etc.), Incidents, Current work zones, Scheduled work zones, Emergency/evacuation routes and procedures	NR			
Transferred to another agency by your agency	NR	NR	Traffic volumes, Traffic speeds, Turning movements, Phasing/cycle lengths, Queues, Route designations (snow emergency, etc.), Incidents, Current work zones, Scheduled work zones, Emergency/evacuation routes and procedures	NR			
Importance of making information available to the public							

		wn Town		et County
Agency Name	1999	2005	1999	2005
Ranked High	NR		Route designations (snow Incidents, Current work zor zones, Emergency/evacua	nes, Scheduled work
Ranked Medium			, ,	•
			Traffic volumes, Traffic spe	peds Turning movements
	NR		Phasing/cycle lengths, Que	
Ranked Low  Groups that make requests for the data	Traffic volumes, Traffic spe Turning movements, Phasi Emergency vehicle signal p	ng/cycle lengths,	NR	
Groups that make requests for the data				
	County of Suffolk Traffic Di	vision	State DOT personnel, Con	sultants
What is the data used for?	Traffic analysis		Traffic analysis, Planning	
Methods used to disseminate arterial information to the public				

	Smithto	wn Town	Somerse	et County	
Agency Name	1999	2005	1999	2005	
Technologies your agency uses to disseminate:			Internet Web sites, Pagers		
	NR	NR	or personal data assistants, E-mail or other direct PC communication,	NR	
Technologies your agency (through another agency or org.) uses to disseminate:	NR	NR	NR	NR	
Internet web site reporting arterial conditions	NR www.co.somerset.nj.us				
Telephone system for reporting arterial information to the public	NR		NR		
Organizations your agency sends information for dissemination to the public	NR		NR		
Arterial Incident Management Section					
Methods used to distribute incident location and severity information					
to the public					
Technologies your agency uses to disseminate:	NR	NR	Telephone system, Internet Web sites, Pagers or personal data assistants, Cell phone/voice, Facsimile	NR	
Technologies your agency (through another agency or org.) uses to disseminate:	NR	NR	•	NR	
Internet web site reporting incident information	NR	I	NR		
Telephone system for reporting incident information to the public	NR		NR		
Organizations your agency sends information for dissemination to the public	NR		NR		

			Union C	ı City - New				
						n County	Westchester County	
Agency Name	1999	2005	1999	2005	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes		Yes		Yes	
Arterial Management Section								
Data collected, archived, and/or transferred to another agency								
Collected by your agency  Archived by your agency	NR	NR	NR	NR	NR	NR	Turning movements, Phasing/cycle lengths, Current work zones,	Traffic volumes, Traffic speeds, Vehicle classification, Turning movements, Phasing/cycle lengths, Current work zones, Scheduled work zones
Transferred to another agency by your agency	NR	NR	NR	NR	NR	NR	Turning movements, Phasing/cycle lengths, Current work zones,	Traffic volumes, Traffic speeds, Vehicle classification, Turning movements, Phasing/cycle lengths, Current work zones, Scheduled work zones
Importance of making information available to the public	NR	NR	NR	NR	NR	NR	Traffic volumes, Traffic speeds, Vehicle classification, Current work zones, Scheduled work zones	Traffic volumes, Traffic speeds, Vehicle classification, Current work zones, Scheduled work zones

			Union (	City - New					
	Stamford	City(CT)	Jersey		Warren County		Westchester County		
Agency Name	1999	2005	1999	2005	1999	2005	1999	2005	
Ranked High	J			Į.		l.		•	
							Traffic volumes, Curre	nt work zones	
	NR		NR		NR		Scheduled work zones	int Work Zones,	
Ranked Medium									
	NR		NR		NR		NR		
Ranked Low	NK		INK		INK		INK		
Nained Low									
							Traffic speeds, Vehicle	classification Turning	
	NR		NR		NR		movements, Phasing/o	cycle lengths	
Groups that make requests for the data	-		1		<u> </u>		J. L.	. ,	
·							State DOT personnel,	Media (I.e., TV	
	NR		NR		NR		stations, radio stations	), MPOs, Consultants	
What is the data used for?									
							Traffic analysis, Const	ruction impact	
							determination, Plannin	a. Dissemination to the	
	NR		NR		NR		public	g, =	

		City(CT)	Jer	ity - New sey		County		ter County
Agency Name	1999	2005	1999	2005	1999	2005	1999	2005
Technologies your agency uses to disseminate:		Internet						
	NR		NR	NR	NR	NR	NR	NR
Technologies your agency (through another agency or org.) uses to disseminate:		NR		NR		NR	NR	NR
Internet web site reporting arterial conditions	NR NR		NR		www.co.westcheester.	ny.us/dpw		
Telephone system for reporting arterial information to the public	NR		NR		NR		NR	
Organizations your agency sends information for dissemination to the public	NR		NR		NR		NYMTC	
Arterial Incident Management Section								
Methods used to distribute incident location and severity information								
to the public								
Technologies your agency uses to disseminate:	NR	Internet Web sites	NR	NR	NR	NR	NR	NR
Technologies your agency (through another agency or org.) uses to disseminate:	NR	NR	NR	NR	NR	NR	NR	NR
Internet web site reporting incident information	NR	<u> </u>	NR	<u> </u>	NR	<u> </u>	NR	l
Telephone system for reporting incident information to the public	NR		NR		NR		NR	
Organizations your agency sends information for dissemination to the public	NR		NR		NR		NR	

Appendix I Transit Management Components

	Clarketove	Mini Trans	Command Bus Company		Connecticut Transit- Stamford(CT)		Green Bus Lines	
	1999	Clarkstown Mini-Trans 1999 2005		1999 2005		1999 2005		2005
Agency Returned Survey?	Yes		Yes		Yes		<b>1999</b> Yes	
Number of vehicles used in revenue service								
Fixed Route Bus	10	NR	132	NR	42	NR	235	275
Heavy or Rapid Rail	NR	NR	0	NR	NR	NR	NR	NR
Light Rail	NR	NR	0	NR	NR	NR	NR	NR
Demand Responsive	NR	NR	0	NR	NR	NR	NR	NR
Commuter Rail	NR	NR	NR	NR	NR	NR	NR	NR
Ferry Boat	NR	NR	NR	NR	NR	NR	NR	NR
Have of plan to have an Automated Vehicle Location System?	No		No		No		Yes	
Primary and Secondary Location Technologies Used								
Primary Technologies								
GPS	No	No	No	No	No	No	No	Yes
Sign/Odometer	No	No	No	No	No	No	No	No
Dead-Reckoning	No	No	No	No	No	No	No	No
LORAN C	No	No	No	No	No	No	No	No
Other	No	No	No	No	No	No	No	No
Backup Technologies								
GPS	No	No	No	No	No	No	No	No
Sign/Odometer	No	No	No	No	No	No	No	No
Dead-Reckoning	No	No	No	No	No	No	No	Yes
LORAN C	No	No	No	No	No	No	No	No
Other	No	No	No	No	No	No	No	No
Number of Vehicles Equipped with AVL								
Fixed Route Bus	NR	NR	NR	NR	NR	NR	0	100
Heavy or Rapid Rail	NR	NR	NR	NR	NR	NR	NR	NR
Light Rail	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive	NR	NR	NR	NR	NR	NR	NR	NR
Commuter Rail	NR	NR	NR	NR	NR	NR	NR	NR
Ferry Boat	NR	NR	NR	NR	NR	NR	NR	NR
Motor Buses Operated as Vehicle Probes								
Number of Motor Buses equipped as probes on freeways?	NR		NR		NR		NR	
Number of Motor Buses equipped as probes on arterials?	NR		NR		NR		NR	
Have Organized Regional Incident Management Program?	Yes		No		No		No	

	Clarkstown Mini-Trans		Command E	Bus Company	Connecticut Transit- Stamford(CT)		Green Bus Lines	
	1999	2005	1999	2005	1999	2005	1999	2005
Have Automated Traveler Information System?	Yes		Yes		No		Yes	
Services Automated Traveler Info. System Applies:								
Fixed Route	Yes		Yes		No		Yes	
Heavy Rail	No		No		No		No	
Light Rail	No		No		No		No	
Demand Responsive	No		No		No		No	
Commuter Rail	No		No		No		No	
Ferry	No		No		No		No	
Locations where traveler information is displayed to public								
Number of bus stops on fixed transit routes	30	NR	NR	NR	NR	NR	NR	NR
Bus stops on fixed transit routes that display traveler info to the public	30	NR	NR	NR	NR	NR	NR	NR
Number of rail stations	1	NR	NR	NR	NR	NR	NR	NR
Number of rail stations that display traveler information	1	NR	NR	NR	NR	NR	NR	NR
Number of other locations that display traveler information to public	NR	NR	NR	NR	NR	NR	NR	NR
Number of vehicles the traveler information system has available								
Fixed Route Bus	10	NR	NR	NR	NR	NR	235	275
Heavy or Rapid Rail	NR	NR	NR	NR	NR	NR	NR	NR
Light Rail	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive	NR	NR	NR	NR	NR	NR	NR	NR
Commuter Rail	NR	NR	NR	NR	NR	NR	NR	NR
Ferry Boat	NR	NR	NR	NR	NR	NR	NR	NR
Deployment of Communications Technology								
Attributes of Radio System:								
Digital?	No		Yes		No		Yes	
Analog?	Yes		No		Yes		No	
Trunked?	Yes		Yes		Yes		Yes	
Regular?	No		No		No		No	
Services that use a Digital or Trunked Radio System								
<u>Digital Only</u>								<u> </u>
Fixed Route Bus	No	No	No	No	No	No	Yes	No
Heavy or Rapid Rail	No	No	No	No	No	No	No	No
Light Rail	No	No	No	No	No	No	No	No
Demand Responsive	No	No	No	No	No	No	No	No
Commuter Rail	No	No	No	No	No	No	No	No
Ferry Boat	No	No	No	No	No	No	No	No
Trunked Only				<u> </u>				<del> </del>
Fixed Route Bus	No	No	Yes	No	No	No	Yes	No

					Connectic	cut Transit-		
	Clarkstown	Mini-Trans	Command F	Bus Company		ord(CT)	Green P	Bus Lines
	1999	2005	1999	2005	1999	2005	1999	2005
Heavy or Rapid Rail	No	No	No	No	No	No	No	No
Light Rail	No	No	No	No	No	No	No	No
Demand Responsive	No	No	No	No	No	No	No	No
Commuter Rail	No	No	No	No	No	No	No	No
Ferry Boat	No	No	No	No	No	No	No	No
Have of plan to have Automatic Passenger Counters (APCs)?	No		Yes		No		Yes	
Methods used to count passengers								
Treadle Mats	No		No		No		No	
Infrared Beams	No		No		No		Yes	
Primary and Secondary Location Technologies Used								
Primary Technologies								
GPS	No	No	No	No	No	No	No	Yes
Differential GPS	No	No	No	No	No	No	No	No
Signpost/Odometer	No	No	No	No	No	No	No	No
Dead_Reckoning	No	No	No	No	No	No	No	No
LORAN C	No	No	No	No	No	No	No	No
Other	No	No	No	No	No	No	No	No
Backup Technologies								
GPS	No	No	No	No	No	No	No	No
Differential GPS	No	No	No	No	No	No	No	No
Signpost/Odometer	No	No	No	No	No	No	No	No
Dead_Reckoning	No	No	No	No	No	No	No	Yes
LORAN C	No	No	No	No	No	No	No	No
Other	No	No	No	No	No	No	No	No
Number of Vehicles with APCs								
Fixed Route Bus	NR	NR	NR	NR	NR	NR	0	100
Heavy or Rapid Rail	NR	NR	NR	NR	NR	NR	NR	NR
Light Rail	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive	NR	NR	NR	NR	NR	NR	NR	NR
Commuter Rail	NR	NR	NR	NR	NR	NR	NR	NR
Ferry Boat	NR	NR	NR	NR	NR	NR	NR	NR
Remote Real-Time Monitoring and Computer Assisted Dispatching								
Remote Real-Time Monitoring								
Fixed Route Bus	NR	NR	NR	NR	NR	NR	0	100
Heavy or Rapid Rail	NR	NR	NR	NR	NR	NR	NR	NR
Light Rail	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive	NR	NR	NR	NR	NR	NR	NR	NR

	Clarkstowr	n Mini-Trans	Command E	Bus Company		cut Transit- ord(CT)	Green B	Bus Lines
	1999	2005	1999	2005	1999	2005	1999	2005
Commuter Rail	NR	NR	NR	NR	NR	NR	NR	NR
Ferry Boat	NR	NR	NR	NR	NR	NR	NR	NR
Automated Dispatching or Control Software								
Fixed Route Bus	NR	NR	NR	NR	NR	NR	0	100
Heavy or Rapid Rail	NR	NR	NR	NR	NR	NR	NR	NR
Light Rail	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive	NR	NR	NR	NR	NR	NR	NR	NR
Commuter Rail	NR	NR	NR	NR	NR	NR	NR	NR
Ferry Boat	NR	NR	NR	NR	NR	NR	NR	NR
Coordinate or plan to coordinate travel request and vehicle								
dispatching for multiple agencies?	No		No		No		No	
Is there or will there be a Transportation Management Center	-				-		-	
(TMC) in the region that controls transit and highway modes?	No		NR		NR		NR	
Modes that TMC currently controls:								
Highways	No	No	No	No	No	No	No	No
Fixed Route Bus	No	No	No	No	No	No	No	No
Heavy or Rapid Rail	No	No	No	No	No	No	No	No
Light Rail	No	No	No	No	No	No	No	No
Demand Responsive	No	No	No	No	No	No	No	No
Commuter Rail	No	No	No	No	No	No	No	No
Ferry Boat	No	No	No	No	No	No	No	No
Other	No	No	No	No	No	No	No	No
Priority at Traffic Signals and Ramp Meter Priority								
Priority at Traffic Signals								
Fixed Route Bus	NR	NR	NR	NR	NR	NR	NR	NR
Light Rail	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive	NR	NR	NR	NR	NR	NR	NR	NR
Ramp Meter Priority	ND	ND	ND	ND	ND	ND	ND	ND
Fixed Route Bus  Demand Responsive	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR
Number of Vehicles Equipped with Navigation Aids	INIX	INT	INT	INIX	INIX	INIX	INIX	INT
Fixed Route Bus	NR	NR	NR	NR	NR	NR	NR	NR
Heavy or Rapid Rail	NR	NR	NR	NR	NR	NR	NR	NR
Light Rail	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive	NR	NR	NR	NR	NR	NR	NR	NR

	Clarkstowr	Mini-Trans	Command E	Bus Company	Connecticut Transit- Stamford(CT)		Green B	Bus Lines
	1999	2005	1999	2005	1999	2005	1999	2005
Commuter Rail	NR	NR	NR	NR	NR	NR	NR	NR
Ferry Boat	NR	NR	NR	NR	NR	NR	NR	NR
ITS Standards Used Related to Transit Management								
TCIP On Boad Objects (TCIP-OB)	No		No		No		No	
TCIP Traffic Management Objects (TCIP-TM)	No		No		No		No	
TCIP Common Public Transportation Objects (TCIP-CPT)	No		No		No		No	
TCIP Passenger Information Objects (TCIP-PI)	No		No		No		No	
TCIP Incident Management Objects (TCIP-IM)	No		No		No		No	
TCIP Fare Collection Objects (TCIP-FC)	No		No		No		No	
TCIP Spatial Representation Objects (TCIP-SP)	No		No		No		No	
TCIP Control Center Objects (TCIP-CC)	No		No		No		No	
TCIP Scheduling/Runcutting Objects (TCIP-SCH)	No		No		No		No	
Send data communication between micro computer and heavy duty								
vehicle applications (SAE J1708)	No		No		No		No	
Would agency be willing to participate in testing of ITS Standards?	No		No		No		Yes	
Have agreements in place with other agencies to use similar hardware								
and software to aid maintenance and interoperability?	No		No		No		No	
Electronic Fare Payment								
Have full operational Electronic Fare Payment System?	No		Yes		Yes		Yes	
Methods of Fare Payment								
Stored value card with fare deducted for each trip								
Magnetic Stripe	No		No		Yes		Yes	
Smart Card	No		No		No		No	
Debit Card	No		No		No		No	
Billed by the month for trips taken								
Magnetic Stripe	No		No		Yes		No	
Smart Card	No		No		No		No	
Credit Card	No		No		No		No	
Monthly Pass								
Magnetic Stripe	No		No		Yes		No	
Smart Card	No		No		No		No	
Vehicles/Stations Equipped with Automated Payment Mechanism								
Magnetic Stripe Readers								
Fixed Route Bus Vehicles	NR	NR	NR	NR	42	42	235	275
Heavy or Rapid Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR
Light Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive Vehicles	NR	NR	NR	NR	NR	NR	NR	NR
Commuter Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR

	Clarkstown	Clarkstown Mini-Trans		Clarkstown Mini-Trans		Command Bus Company		cut Transit- ord(CT)	Green Bus Lines	
	1999	2005	1999	2005	1999	2005	1999	2005		
Ferry Boat Landings	NR	NR	NR	NR	NR	NR	NR	NR		
Smart Card Readers										
Fixed Route Bus Vehicles	NR	NR	NR	NR	NR	NR	NR	NR		
Heavy or Rapid Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR		
Light Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR		
Demand Responsive Vehicles	NR	NR	NR	NR	NR	NR	NR	NR		
Commuter Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR		
Ferry Boat Landings	NR	NR	NR	NR	NR	NR	NR	NR		
Credit Card										
Fixed Route Bus Vehicles	NR	NR	NR	NR	NR	NR	NR	NR		
Heavy or Rapid Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR		
Light Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR		
Demand Responsive Vehicles	NR	NR	NR	NR	NR	NR	NR	NR		
Commuter Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR		
Ferry Boat Landings	NR	NR	NR	NR	NR	NR	NR	NR		
Debit Card										
Fixed Route Bus Vehicles	NR	NR	NR	NR	NR	NR	NR	NR		
Heavy or Rapid Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR		
Light Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR		
Demand Responsive Vehicles	NR	NR	NR	NR	NR	NR	NR	NR		
Commuter Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR		
Ferry Boat Landings	NR	NR	NR	NR	NR	NR	NR	NR		
NR: No Response										

	Huntingtor	n Area Rapid						
		t (HART)	Jamaio	a Buses	Long Be	each City	Metro-North	Railroad MTA
	1999	2005	1999	2005	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes		Yes		Yes	
Number of vehicles used in revenue service								
Fixed Route Bus	13	13	103	103	12	12	NR	NR
Heavy or Rapid Rail	NR	NR	NR	NR	0	0	NR	NR
Light Rail	NR	NR	NR	NR	0	0	NR	NR
Demand Responsive	6	10	NR	NR	2	2	887	900
Commuter Rail	NR	NR	NR	NR	NR	NR	NR	NR
Ferry Boat	NR	NR	NR	NR	NR	NR	NR	NR
Have of plan to have an Automated Vehicle Location System?	No		No		No		No	
Primary and Secondary Location Technologies Used								
Primary Technologies								
GPS	No	No	No	No	No	No	No	No
Sign/Odometer	No	No	No	No	No	No	No	No
Dead-Reckoning	No	No	No	No	No	No	No	No
LORAN C	No	No	No	No	No	No	No	No
Other	No	No	No	No	No	No	No	No
Backup Technologies								
GPS	No	No	No	No	No	No	No	No
Sign/Odometer	No	No	No	No	No	No	No	No
Dead-Reckoning	No	No	No	No	No	No	No	No
LORAN C	No	No	No	No	No	No	No	No
Other	No	No	No	No	No	No	No	No
Number of Vehicles Equipped with AVL								
Fixed Route Bus	NR	NR	NR	NR	NR	NR	NR	NR
Heavy or Rapid Rail	NR	NR	NR	NR	NR	NR	NR	NR
Light Rail	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive	NR	NR	NR	NR	NR	NR	NR	NR
Commuter Rail	NR	NR	NR	NR	NR	NR	NR	NR
Ferry Boat	NR	NR	NR	NR	NR	NR	NR	NR
Motor Buses Operated as Vehicle Probes								
Number of Motor Buses equipped as probes on freeways?	NR		NR		NR		NR	
Number of Motor Buses equipped as probes on arterials?	NR		NR		NR		NR	
Have Organized Regional Incident Management Program?	No		No		No		No	

		n Area Rapid						
		t (HART)		a Buses		each City		Railroad MTA
	1999	2005	1999	2005	1999	2005	1999	2005
Have Automated Traveler Information System?	No		Yes		No		Yes	
Services Automated Traveler Info. System Applies:								
Fixed Route	No		Yes		No		No	
Heavy Rail	No		No		No		No	
Light Rail	No		No		No		No	
Demand Responsive	No		No		No		No	
Commuter Rail	No		No		No		Yes	
Ferry	No		No		No		No	
Locations where traveler information is displayed to public								
Number of bus stops on fixed transit routes	NR	NR	300	300	NR	NR	NR	NR
Bus stops on fixed transit routes that display traveler info to the public	NR	NR	100	100	NR	NR	NR	NR
Number of rail stations	NR	NR	0	0	NR	NR	115	117
Number of rail stations that display traveler information	NR	NR	0	0	NR	NR	15	25
Number of other locations that display traveler information to public	NR	NR	0	0	NR	NR	5	NR
Number of vehicles the traveler information system has available								
Fixed Route Bus	NR	NR	NR	NR	NR	NR	NR	NR
Heavy or Rapid Rail	NR	NR	NR	NR	NR	NR	NR	NR
Light Rail	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive	NR	NR	NR	NR	NR	NR	NR	NR
Commuter Rail	NR	NR	NR	NR	NR	NR	NR	NR
Ferry Boat	NR	NR	NR	NR	NR	NR	NR	NR
Deployment of Communications Technology								
Attributes of Radio System:								
Digital?	No		Yes		No		No	
Analog?	Yes		No		Yes		Yes	
Trunked?	No		Yes		No		No	
Regular?	Yes		No		Yes		Yes	
Services that use a Digital or Trunked Radio System								
<u>Digital Only</u>								
Fixed Route Bus	No	No	Yes	No	No	No	No	No
Heavy or Rapid Rail	No	No	No	No	No	No	No	No
Light Rail	No	No	No	No	No	No	No	No
Demand Responsive	No	No	No	No	No	No	No	No
Commuter Rail	No	No	No	No	No	No	No	No
Ferry Boat	No	No	No	No	No	No	No	No
Trunked Only								
Fixed Route Bus	No	No	Yes	No	No	No	No	No

	Huntingtor	n Area Rapid						
	Transit	t (HART)	Jamaio	a Buses	Long Be	each City	Metro-North	Railroad MTA
	1999	2005	1999	2005	1999	2005	1999	2005
Heavy or Rapid Rail	No	No	No	No	No	No	No	No
Light Rail	No	No	No	No	No	No	No	No
Demand Responsive	No	No	No	No	No	No	No	No
Commuter Rail	No	No	No	No	No	No	No	No
Ferry Boat	No	No	No	No	No	No	No	No
Have of plan to have Automatic Passenger Counters (APCs)?	No		No		No		No	
Methods used to count passengers								
Treadle Mats	No		No		No		No	
Infrared Beams	No		No		No		No	
Primary and Secondary Location Technologies Used								
Primary Technologies								
GPS	No	No	No	No	No	No	No	No
Differential GPS	No	No	No	No	No	No	No	No
Signpost/Odometer	No	No	No	No	No	No	No	No
Dead_Reckoning	No	No	No	No	No	No	No	No
LORAN C	No	No	No	No	No	No	No	No
Other	No	No	No	No	No	No	No	No
Backup Technologies								
GPS	No	No	No	No	No	No	No	No
Differential GPS	No	No	No	No	No	No	No	No
Signpost/Odometer	No	No	No	No	No	No	No	No
Dead_Reckoning	No	No	No	No	No	No	No	No
LORAN C	No	No	No	No	No	No	No	No
Other	No	No	No	No	No	No	No	No
Number of Vehicles with APCs								
Fixed Route Bus	NR	NR	NR	NR	NR	NR	NR	NR
Heavy or Rapid Rail	NR	NR	NR	NR	NR	NR	NR	NR
Light Rail	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive	NR	NR	NR	NR	NR	NR	NR	NR
Commuter Rail	NR	NR	NR	NR	NR	NR	NR	NR
Ferry Boat	NR	NR	NR	NR	NR	NR	NR	NR
Remote Real-Time Monitoring and Computer Assisted Dispatching								
Remote Real-Time Monitoring								
Fixed Route Bus	NR	NR	NR	NR	NR	NR	NR	NR
Heavy or Rapid Rail	NR	NR	NR	NR	NR	NR	NR	NR
Light Rail	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive	NR	NR	NR	NR	NR	NR	NR	NR

	Huntington	Area Rapid						
		(HART)	Jamaio	a Buses	Long Be	each City	Metro-North	Railroad MTA
	1999	2005	1999	2005	1999	2005	1999	2005
Commuter Rail	NR	NR	NR	NR	NR	NR	377	377
Ferry Boat	NR	NR	NR	NR	NR	NR	NR	NR
Automated Dispatching or Control Software								
Fixed Route Bus	NR	NR	NR	NR	NR	NR	NR	NR
Heavy or Rapid Rail	NR	NR	NR	NR	NR	NR	NR	NR
Light Rail	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive	NR	10	NR	NR	NR	NR	NR	NR
Commuter Rail	NR	NR	NR	NR	NR	NR	NR	NR
Ferry Boat	NR	NR	NR	NR	NR	NR	NR	NR
Coordinate or plan to coordinate travel request and vehicle			1414	141.				, , ,
dispatching for multiple agencies?	No		No		No		Yes	
Is there or will there be a Transportation Management Center	140		140		140		100	
(TMC) in the region that controls transit and highway modes?	NR		Yes		NR		NR	
Modes that TMC currently controls:	INIX		100		TVIX		IVIX	
Highways	No	No	No	No	No	No	No	No
Fixed Route Bus	No	No	No	No	No	No	No	No
Heavy or Rapid Rail	No	No	No	No	No	No	No	No
Light Rail	No	No	No	No	No	No	No	No
Demand Responsive	No	No	No	No	No	No	No	No
Commuter Rail	No	No	No	No	No	No	No	No
Ferry Boat	No	No	No	No	No	No	No	No
Other	No	No	No	No	No	No	No	No
Priority at Traffic Signals and Ramp Meter Priority	INO	NO	INU	INO	INO	INU	INO	INO
Priority at Traffic Signals								
Fixed Route Bus	NR	NR	NR	NR	NR	NR	NR	NR
Light Rail	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive	NR	NR	NR	NR	NR	NR	NR	NR
Ramp Meter Priority								
Fixed Route Bus	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive	NR	NR	NR	NR	NR	NR	NR	NR
Number of Vehicles Equipped with Navigation Aids  Fixed Route Bus	NR	NR	NR	NR	NR	NR	NR	NR
Heavy or Rapid Rail	NR NR	NR NR	NR NR	NR	NR NR	NR	NR	NR
Light Rail	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive	NR	NR	NR	NR	NR	NR	NR	NR

		Area Rapid	la anala	- D	D	and Otto	Nastura Nasutla	Dellar ad MTA
		(HART)		a Buses		each City		Railroad MTA
Communitor Dail	<b>1999</b> NR	2005	1999	<b>2005</b> NR	<b>1999</b> NR	<b>2005</b> NR	<b>1999</b> NR	2005
Commuter Rail		NR	NR					NR
Ferry Boat	NR	NR	NR	NR	NR	NR	NR	NR
ITS Standards Used Related to Transit Management	NI-		NI=		N <sub>a</sub>		N.	
TCIP On Boad Objects (TCIP-OB)	No		No		No		No	
TCIP Traffic Management Objects (TCIP-TM)	No		No		No		No	
TCIP Common Public Transportation Objects (TCIP-CPT)	No		No		No		No	
TCIP Passenger Information Objects (TCIP-PI)	No		No		No		No	
TCIP Incident Management Objects (TCIP-IM)	No		No		No		No	
TCIP Fare Collection Objects (TCIP-FC)	No		No		No		No	
TCIP Spatial Representation Objects (TCIP-SP)	No		No		No		No	
TCIP Control Center Objects (TCIP-CC)	No		No		No		No	
TCIP Scheduling/Runcutting Objects (TCIP-SCH)	No		No		No		No	
Send data communication between micro computer and heavy duty								
vehicle applications (SAE J1708)	No		No		No		No	
Would agency be willing to participate in testing of ITS Standards?	Yes		NR		No		No	
Have agreements in place with other agencies to use similar hardware								
and software to aid maintenance and interoperability?	No		No		No		No	
Electronic Fare Payment								
Have full operational Electronic Fare Payment System?	Yes		Yes		No		No	
Methods of Fare Payment								
Stored value card with fare deducted for each trip								
Magnetic Stripe	No		Yes		No		No	
Smart Card	No		No		No		No	
Debit Card	No		No		No		No	
Billed by the month for trips taken								
Magnetic Stripe	No		No		No		No	
Smart Card	No		No		No		No	
Credit Card	No		No		No		No	
Monthly Pass								
Magnetic Stripe	No		Yes		No		No	
Smart Card	No		No		No		No	
Vehicles/Stations Equipped with Automated Payment Mechanism								
Magnetic Stripe Readers								
Fixed Route Bus Vehicles	NR	NR	103	103	NR	NR	NR	NR
Heavy or Rapid Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR
Light Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive Vehicles	NR	NR	NR	NR	NR	NR	NR	NR
Commuter Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR

		Area Rapid	lamaia	Jamaica Buses		acab City	Motro North	Railroad MTA
	1999	(HART) 2005	1999	2005	1999	each City 2005	1999	2005
Ferry Boat Landings	NR	NR	NR	NR	NR	NR	NR	NR
Smart Card Readers	1417	IVIV	1414	INIX	IVIX	1414	+	1111
Fixed Route Bus Vehicles	NR	NR	NR	NR	NR	NR	NR	NR
Heavy or Rapid Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR
Light Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive Vehicles	NR	NR	NR	NR	NR	NR	NR	NR
Commuter Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR
Ferry Boat Landings	NR	NR	NR	NR	NR	NR	NR	NR
Credit Card							1	
Fixed Route Bus Vehicles	NR	NR	NR	NR	NR	NR	NR	NR
Heavy or Rapid Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR
Light Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive Vehicles	NR	NR	NR	NR	NR	NR	NR	NR
Commuter Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR
Ferry Boat Landings	NR	NR	NR	NR	NR	NR	NR	NR
Debit Card								
Fixed Route Bus Vehicles	NR	NR	NR	NR	NR	NR	NR	NR
Heavy or Rapid Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR
Light Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive Vehicles	NR	NR	NR	NR	NR	NR	NR	NR
Commuter Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR
Ferry Boat Landings	NR	NR	NR	NR	NR	NR	NR	NR
							+	
NR: No Response							†	<del> </del>

	MTA Long	Island Bus		sey Transit ation(NJ)		City Transit	District/Wes	k Transit stport Transit s(CT)
	1999	2005	1999	2005	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes		Yes		Yes	
Number of vehicles used in revenue service								
Fixed Route Bus	326	336	2,100	2,100	3,557	NR	33	33
Heavy or Rapid Rail	NR	NR	0	0	5,774	NR	0	0
Light Rail	NR	NR	22	40	0	NR	0	0
Demand Responsive	59	72	85	100	175	NR	27	27
Commuter Rail	NR	NR	745	820	NR	NR	0	0
Ferry Boat	NR	NR	0	0	NR	NR	0	0
Have of plan to have an Automated Vehicle Location System?	Yes		Yes		Yes		Yes	
Primary and Secondary Location Technologies Used								
Primary Technologies								
GPS	No	No	No	Yes	No	No	No	Yes
Sign/Odometer	No	No	Yes	No	No	No	No	No
Dead-Reckoning	No	No	No	No	Yes	No	No	No
LORAN C	No	No	No	No	No	No	No	No
Other	Yes	No	No	No	Yes	No	No	No
Backup Technologies								
GPS	No	No	No	No	No	No	No	No
Sign/Odometer	No	No	No	No	No	No	No	No
Dead-Reckoning	No	No	No	No	No	No	No	No
LORAN C	No	No	No	No	No	No	No	No
Other	No	No	No	No	No	No	No	No
Number of Vehicles Equipped with AVL								
Fixed Route Bus	NR	336	2,100	2,100	170	3,557	NR	NR
Heavy or Rapid Rail	NR	NR	0	0	NR	NR	NR	NR
Light Rail	NR	NR	0	0	NR	NR	NR	NR
Demand Responsive	59	72	0	0	NR	NR	NR	27
Commuter Rail	NR	NR	0	0	NR	NR	NR	NR
Ferry Boat	NR	NR	0	0	NR	NR	NR	NR
Motor Buses Operated as Vehicle Probes								
Number of Motor Buses equipped as probes on freeways?	NR		NR		0		NR	
Number of Motor Buses equipped as probes on arterials?	NR		NR		0		NR	
Have Organized Regional Incident Management Program?	No		No		No		No	

	MTA Long	Island Bus		sey Transit ation(NJ)		City Transit	District/We Line	k Transit stport Transit s(CT)
	1999	2005	1999	2005	1999	2005	1999	2005
Have Automated Traveler Information System?	Yes		Yes		Yes		No	
Services Automated Traveler Info. System Applies:								
Fixed Route	Yes		Yes		Yes		No	
Heavy Rail	No		No		No		No	
Light Rail	No		Yes		No		No	
Demand Responsive	No		Yes		No		No	
Commuter Rail	No		Yes		No		No	
Ferry	No		No		No		No	
Locations where traveler information is displayed to public	1		1				1	
Number of bus stops on fixed transit routes	NR	NR	18,000	18,000	14,000	NR	NR	NR
Bus stops on fixed transit routes that display traveler info to the public	NR	NR	0	4	30	1,400	NR	NR
Number of rail stations	NR	NR	0	0	468	468	NR	NR
Number of rail stations that display traveler information	NR	NR	0	6	NR	NR	NR	NR
Number of other locations that display traveler information to public	NR	3	0	0	NR	NR	NR	NR
Number of vehicles the traveler information system has available								
Fixed Route Bus	168	313	NR	NR	0	NR	NR	NR
Heavy or Rapid Rail	NR	NR	NR	NR	0	NR	NR	NR
Light Rail	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive	NR	NR	NR	NR	NR	NR	NR	NR
Commuter Rail	NR	NR	NR	NR	NR	NR	NR	NR
Ferry Boat	NR	NR	NR	NR	NR	NR	NR	NR
Deployment of Communications Technology								
Attributes of Radio System:								
Digital?	Yes		No		No		Yes	
Analog?	No		Yes		Yes		No	
Trunked?	Yes		Yes		Yes		Yes	
Regular?	No		No		No		No	
Services that use a Digital or Trunked Radio System								
<u>Digital Only</u>								
Fixed Route Bus	Yes	No	No	Yes	No	No	No	No
Heavy or Rapid Rail	No	No	No	No	No	No	No	No
Light Rail	No	No	No	Yes	No	No	No	No
Demand Responsive	Yes	No	No	No	No	No	No	No
Commuter Rail	No	No	No	Yes	No	No	No	No
Ferry Boat	No	No	No	No	No	No	No	No
Trunked Only								
Fixed Route Bus	Yes	No	Yes	No	No	No	No	No

	MTA Long	ı Island Bus		sey Transit ation(NJ)		City Transit	Norwalk Transit District/Westport Transit Lines(CT)	
	1999	2005	1999	2005	1999	2005	1999	2005
Heavy or Rapid Rail	No	No	No	No	No	No	No	No
Light Rail	No	No	Yes	No	No	No	No	No
Demand Responsive	Yes	No	No	No	No	No	No	No
Commuter Rail	No	No	No	No	No	No	No	No
Ferry Boat	No	No	No	No	No	No	No	No
Have of plan to have Automatic Passenger Counters (APCs)?	Yes		Yes		No		No	
Methods used to count passengers								
Treadle Mats	No		No		No		No	
Infrared Beams	No		No		No		No	
Primary and Secondary Location Technologies Used								
Primary Technologies								
GPS	No	No	Yes	Yes	No	No	No	No
Differential GPS	Yes	No	No	No	No	No	No	No
Signpost/Odometer	No	No	No	No	No	No	No	No
Dead_Reckoning	No	No	No	No	No	No	No	No
LORAN C	No	No	No	No	No	No	No	No
Other	No	No	No	Yes	No	No	No	No
Backup Technologies								
GPS	No	No	No	No	No	No	No	No
Differential GPS	No	No	No	No	No	No	No	No
Signpost/Odometer	No	No	No	No	No	No	No	No
Dead_Reckoning	No	No	No	No	No	No	No	No
LORAN C	No	No	No	No	No	No	No	No
Other	No	No	No	No	No	No	No	No
Number of Vehicles with APCs								
Fixed Route Bus	0	336	3	240	NR	NR	NR	NR
Heavy or Rapid Rail	NR	NR	0	0	NR	NR	NR	NR
Light Rail	NR	NR	0	40	NR	NR	NR	NR
Demand Responsive	NR	NR	0	0	NR	NR	NR	NR
Commuter Rail	NR	NR	0	820	NR	NR	NR	NR
Ferry Boat	NR	NR	0	0	NR	NR	NR	NR
Remote Real-Time Monitoring and Computer Assisted Dispatching								
Remote Real-Time Monitoring						-		-
Fixed Route Bus	168	336	0	10	NR	NR	NR	NR
Heavy or Rapid Rail	NR	NR	0	0	NR	NR	NR	NR
Light Rail	NR	NR	0	0	NR	NR	NR	NR
Demand Responsive	NR	NR	0	0	NR	NR	NR	NR

	MTA Long	Island Bus	New Jersey Transit Corporation(NJ)		New York City Transit Authority		Norwalk Transit District/Westport Transit Lines(CT)	
	1999	2005	1999	2005	1999	2005	1999	2005
Commuter Rail	NR	NR	30	80	NR	NR	NR	NR
Ferry Boat	NR	NR	0	0	NR	NR	NR	NR
Automated Dispatching or Control Software								
Fixed Route Bus	326	336	1,900	1,900	170	NR	NR	NR
Heavy or Rapid Rail	NR	NR	0	0	NR	NR	NR	NR
Light Rail	NR	NR	0	40	NR	NR	NR	NR
Demand Responsive	59	72	0	0	NR	NR	23	27
Commuter Rail	NR	NR	745	820	NR	NR	NR	NR
Ferry Boat	NR	NR	0	0	NR	NR	NR	NR
Coordinate or plan to coordinate travel request and vehicle								
dispatching for multiple agencies?	Yes		No		No		No	
Is there or will there be a Transportation Management Center								
(TMC) in the region that controls transit and highway modes?	No		No		NR		Yes	
Modes that TMC currently controls:								
Highways	No	No	No	No	No	No	Yes	No
Fixed Route Bus	No	No	No	No	No	No	No	No
Heavy or Rapid Rail	No	No	No	No	No	No	No	No
Light Rail	No	No	No	No	No	No	No	No
Demand Responsive	No	No	No	No	No	No	No	No
Commuter Rail	No	No	No	No	No	No	No	No
Ferry Boat	No	No	No	No	No	No	No	No
Other	No	No	No	No	No	No	No	No
Priority at Traffic Signals and Ramp Meter Priority								1
Priority at Traffic Signals								
Fixed Route Bus	NR	NR	NR	NR	NR	NR	NR	NR
Light Rail	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive	NR	NR	NR	NR	NR	NR	NR	NR
Ramp Meter Priority								
Fixed Route Bus	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive	NR	NR	NR	NR	NR	NR	NR	NR
Number of Vehicles Equipped with Navigation Aids Fixed Route Bus	NR	NR	NR	NR	NR	NR	NR	NR
Heavy or Rapid Rail	NR	NR NR	NR NR	NR NR	NR NR	NR	NR NR	NR
Light Rail	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive	0	72	NR	NR	NR	NR	NR	27

	MTA Long Island Bus		New Jersey Transit Corporation(NJ)		New York City Transit Authority		Norwalk Transit District/Westport Transit Lines(CT)	
	1999	2005	1999	2005	1999	2005	1999	2005
Commuter Rail	NR	NR	NR	NR	NR	NR	NR	NR
Ferry Boat	NR	NR	NR	NR	NR	NR	NR	NR
ITS Standards Used Related to Transit Management								
TCIP On Boad Objects (TCIP-OB)	No		No		No		No	
TCIP Traffic Management Objects (TCIP-TM)	No		No		No		No	
TCIP Common Public Transportation Objects (TCIP-CPT)	No		No		No		No	
TCIP Passenger Information Objects (TCIP-PI)	No		No		No		No	
TCIP Incident Management Objects (TCIP-IM)	No		No		No		No	
TCIP Fare Collection Objects (TCIP-FC)	No		No		No		No	
TCIP Spatial Representation Objects (TCIP-SP)	No		No		No		No	
TCIP Control Center Objects (TCIP-CC)	No		No		No		No	
TCIP Scheduling/Runcutting Objects (TCIP-SCH)	No		No		No		No	
Send data communication between micro computer and heavy duty								
vehicle applications (SAE J1708)	No		No		No		No	
Would agency be willing to participate in testing of ITS Standards?	Yes		Yes		Yes		Yes	
Have agreements in place with other agencies to use similar hardware								
and software to aid maintenance and interoperability?	Yes		No		No		No	
Electronic Fare Payment								
Have full operational Electronic Fare Payment System?	Yes		No		Yes		Yes	
Methods of Fare Payment								
Stored value card with fare deducted for each trip								
Magnetic Stripe	Yes		No		Yes		No	
Smart Card	No		No		No		No	
Debit Card	No		No		No		No	
Billed by the month for trips taken								
Magnetic Stripe	No		No		No		No	
Smart Card	No		No		No		No	
Credit Card	No		No		No		No	
Monthly Pass								
Magnetic Stripe	Yes		No		Yes		No	
Smart Card	No		No		No		No	
Vehicles/Stations Equipped with Automated Payment Mechanism								
Magnetic Stripe Readers				İ				
Fixed Route Bus Vehicles	326	336	NR	NR	3,557	NR	NR	NR
Heavy or Rapid Rail Stations	NR	NR	NR	NR	468	NR	NR	NR
Light Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive Vehicles	NR	NR	NR	NR	NR	NR	NR	NR
Commuter Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR

	MTA Long	MTA Long Island Bus		New Jersey Transit Corporation(NJ)		New York City Transit Authority		Norwalk Transit District/Westport Transit Lines(CT)	
	1999	2005	1999	2005	1999	2005	1999	2005	
Ferry Boat Landings	NR	NR	NR	NR	NR	NR	NR	NR	
Smart Card Readers									
Fixed Route Bus Vehicles	NR	NR	NR	NR	NR	NR	NR	NR	
Heavy or Rapid Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR	
Light Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR	
Demand Responsive Vehicles	NR	NR	NR	NR	NR	NR	NR	NR	
Commuter Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR	
Ferry Boat Landings	NR	NR	NR	NR	NR	NR	NR	NR	
Credit Card									
Fixed Route Bus Vehicles	NR	NR	NR	NR	NR	NR	NR	NR	
Heavy or Rapid Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR	
Light Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR	
Demand Responsive Vehicles	NR	NR	NR	NR	NR	NR	NR	NR	
Commuter Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR	
Ferry Boat Landings	NR	NR	NR	NR	NR	NR	NR	NR	
Debit Card									
Fixed Route Bus Vehicles	NR	NR	NR	NR	NR	NR	NR	NR	
Heavy or Rapid Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR	
Light Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR	
Demand Responsive Vehicles	NR	NR	NR	NR	NR	NR	NR	NR	
Commuter Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR	
Ferry Boat Landings	NR	NR	NR	NR	NR	NR	NR	NR	
NR: No Response									

	Putnam Co 1999	unty Transit 2005	Stamford Di	al-A-Ride(CT) <b>2005</b>	Suffolk 1999	County <b>2005</b>	1999	ch Corporation 2005
Among Potrimod Sumay?	Yes	2005	Yes	2005	Yes	2005	Yes	2005
Agency Returned Survey?  Number of vehicles used in revenue service	res		res		res		res	
		ND	ND	ND	444	100	ND.	ND
Fixed Route Bus	8	NR	NR	NR	141	160	NR	NR
Heavy or Rapid Rail	NR	NR	NR	NR	NR	NR	NR	NR
Light Rail	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive	2	NR	9	NR	22	38	NR	NR
Commuter Rail	NR	NR	NR	NR	NR	NR	NR	NR
Ferry Boat	NR	NR	NR	NR	NR	NR	NR	NR
Have of plan to have an Automated Vehicle Location System?	No		No		Yes		No	
Primary and Secondary Location Technologies Used								
Primary Technologies								
GPS	No	No	No	No	No	Yes	No	No
Sign/Odometer	No	No	No	No	No	No	No	No
Dead-Reckoning	No	No	No	No	No	No	No	No
LORAN C	No	No	No	No	No	No	No	No
Other	No	No	No	No	No	No	No	No
Backup Technologies								
GPS	No	No	No	No	No	No	No	No
Sign/Odometer	No	No	No	No	No	No	No	No
Dead-Reckoning	No	No	No	No	No	No	No	No
LORAN C	No	No	No	No	No	No	No	No
Other	No	No	No	No	No	No	No	No
Number of Vehicles Equipped with AVL								
Fixed Route Bus	NR	NR	NR	NR	NR	160	NR	NR
Heavy or Rapid Rail	NR	NR	NR	NR	NR	NR	NR	NR
Light Rail	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive	NR	NR	NR	NR	NR	38	NR	NR
Commuter Rail	NR	NR	NR	NR	NR	NR	NR	NR
Ferry Boat	NR	NR	NR	NR	NR	NR	NR	NR
Motor Buses Operated as Vehicle Probes								
Number of Motor Buses equipped as probes on freeways?	NR		NR		NR		NR	
Number of Motor Buses equipped as probes on arterials?	NR		NR		NR		NR	
Have Organized Regional Incident Management Program?	No		No		No		No	

	Putnam Co	ounty Transit	Stamford Di	al-A-Ride(CT)	Suffolk	County	Triboro Coad	ch Corporation
	1999	2005	1999	2005	1999	2005	1999	2005
Have Automated Traveler Information System?	No		No		Yes		No	
Services Automated Traveler Info. System Applies:								
Fixed Route	No		No		Yes		No	
Heavy Rail	No		No		No		No	
Light Rail	No		No		No		No	
Demand Responsive	No		No		No		No	
Commuter Rail	No		No		No		No	
	No		No		No		No	
Ferry Locations where traveler information is displayed to public	INO		INO		INU		INO	
Number of bus stops on fixed transit routes	NR	NR	NR	NR	2,700	2.700	NR	NR
Bus stops on fixed transit routes that display traveler info to the public	NR	NR	NR	NR	NR	NR	NR	NR
Number of rail stations	NR	NR	NR	NR	NR	NR	NR	NR
Number of rail stations that display traveler information	NR	NR	NR	NR	NR	NR	NR	NR
Number of other locations that display traveler information to public	NR	NR	NR	NR	NR	NR	NR	NR
Number of vehicles the traveler information system has available								
Fixed Route Bus	NR	NR	NR	NR	NR	NR	NR	NR
Heavy or Rapid Rail	NR	NR	NR	NR	NR	NR	NR	NR
Light Rail	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive	NR	NR	NR	NR	NR	NR	NR	NR
Commuter Rail	NR	NR	NR	NR	NR	NR	NR	NR
Ferry Boat	NR	NR	NR	NR	NR	NR	NR	NR
Deployment of Communications Technology								
Attributes of Radio System:								
Digital?	No		No		No		No	
Analog?	Yes		Yes		Yes		No	
Trunked?	No		Yes		Yes		No	
Regular?	Yes		No		No		No	
Services that use a Digital or Trunked Radio System								
Digital Only	<b>_</b>			ļ.,				
Fixed Route Bus	No No	No	No	No	No	Yes	No	No
Heavy or Rapid Rail	No	No	No	No	No	No	No	No
Light Rail Demand Responsive	No No	No No	No No	No No	No No	No Yes	No No	No No
Commuter Rail	No No	No No	No No	No No	No No	Yes No	No No	No No
Ferry Boat	No No	No	No No	No No	No No	No	No No	No No
Trunked Only	INU	INU	INU	INU	INU	INU	INU	INU
Fixed Route Bus	No	No	No	No	Yes	No	No	No

	Putnam Co	ounty Transit	Stamford Di	al-A-Ride(CT)	Suffolk	County	Triboro Coac	h Corporation
	1999	2005	1999	2005	1999	2005	1999	2005
Heavy or Rapid Rail	No	No	No	No	No	No	No	No
Light Rail	No	No	No	No	No	No	No	No
Demand Responsive	No	No	No	No	Yes	No	No	No
Commuter Rail	No	No	No	No	No	No	No	No
Ferry Boat	No	No	No	No	No	No	No	No
Have of plan to have Automatic Passenger Counters (APCs)?	No		No		No		No	
Methods used to count passengers								
Treadle Mats	No		No		No		No	
Infrared Beams	No		No		No		No	
Primary and Secondary Location Technologies Used								
Primary Technologies								
GPS	No	No	No	No	No	No	No	No
Differential GPS	No	No	No	No	No	No	No	No
Signpost/Odometer	No	No	No	No	No	No	No	No
Dead_Reckoning	No	No	No	No	No	No	No	No
LORAN C	No	No	No	No	No	No	No	No
Other	No	No	No	No	No	No	No	No
Backup Technologies								
GPS	No	No	No	No	No	No	No	No
Differential GPS	No	No	No	No	No	No	No	No
Signpost/Odometer	No	No	No	No	No	No	No	No
Dead_Reckoning	No	No	No	No	No	No	No	No
LORAN C	No	No	No	No	No	No	No	No
Other	No	No	No	No	No	No	No	No
Number of Vehicles with APCs								
Fixed Route Bus	NR	NR	NR	NR	NR	NR	NR	NR
Heavy or Rapid Rail	NR	NR	NR	NR	NR	NR	NR	NR
Light Rail	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive	NR	NR	NR	NR	NR	NR	NR	NR
Commuter Rail	NR	NR	NR	NR	NR	NR	NR	NR
Ferry Boat	NR	NR	NR	NR	NR	NR	NR	NR
Remote Real-Time Monitoring and Computer Assisted Dispatching								
Remote Real-Time Monitoring								
Fixed Route Bus	NR	NR	NR	NR	NR	160	NR	NR
Heavy or Rapid Rail	NR	NR	NR	NR	NR	NR	NR	NR
Light Rail	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive	NR	NR	NR	NR	NR	38	NR	NR

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	1999	unty Transit 2005	1999	al-A-Ride(CT) <b>2005</b>	1999	2005	1999	ch Corporation 2005
Commuter Poil				+				
Commuter Rail	NR	NR	NR	NR	NR	NR	NR	NR
Ferry Boat	NR	NR	NR	NR	NR	NR	NR	NR
Automated Dispatching or Control Software								
Fixed Route Bus	NR	NR	NR	NR	NR	NR	NR	NR
Heavy or Rapid Rail	NR	NR	NR	NR	NR	NR	NR	NR
Light Rail	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive	NR	NR	NR	NR	NR	38	NR	NR
Commuter Rail	NR	NR	NR	NR	NR	NR	NR	NR
Ferry Boat	NR	NR	NR	NR	NR	NR	NR	NR
Coordinate or plan to coordinate travel request and vehicle								
dispatching for multiple agencies?	No		No		No		NR	
Is there or will there be a Transportation Management Center								
(TMC) in the region that controls transit and highway modes?	No		No		No		NR	
Modes that TMC currently controls:								
Highways	No	No	No	No	No	No	No	No
Fixed Route Bus	No	No	No	No	No	No	No	No
Heavy or Rapid Rail	No	No	No	No	No	No	No	No
Light Rail	No	No	No	No	No	No	No	No
Demand Responsive	No	No	No	No	No	No	No	No
Commuter Rail	No	No	No	No	No	No	No	No
Ferry Boat	No	No	No	No	No	No	No	No
Other	No	No	No	No	No	No	No	No
Priority at Traffic Signals and Ramp Meter Priority			-	-	-	-	-	
Priority at Traffic Signals								
Fixed Route Bus	NR	NR	NR	NR	NR	NR	NR	NR
Light Rail	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive	NR	NR	NR	NR	NR	NR	NR	NR
Ramp Meter Priority								
Fixed Route Bus	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive	NR	NR	NR	NR	NR	NR	NR	NR
Number of Vehicles Equipped with Navigation Aids	ND	ND	ND	ND	ND	ND	NR	ND
Fixed Route Bus Heavy or Rapid Rail	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR
Light Rail	NR NR	NR NR	NR NR	NR NR	NR	NR NR	NR NR	NR
Demand Responsive	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR

		ounty Transit		al-A-Ride(CT)		County		h Corporation
	1999	2005	1999	2005	1999	2005	1999	2005
Commuter Rail	NR	NR	NR	NR	NR	NR	NR	NR
Ferry Boat	NR	NR	NR	NR	NR	NR	NR	NR
ITS Standards Used Related to Transit Management								
TCIP On Boad Objects (TCIP-OB)	No		No		No		No	
TCIP Traffic Management Objects (TCIP-TM)	No		No		No		No	
TCIP Common Public Transportation Objects (TCIP-CPT)	No		No		No		No	
TCIP Passenger Information Objects (TCIP-PI)	No		No		No		No	
TCIP Incident Management Objects (TCIP-IM)	No		No		No		No	
TCIP Fare Collection Objects (TCIP-FC)	No		No		No		No	
TCIP Spatial Representation Objects (TCIP-SP)	No		No		No		No	
TCIP Control Center Objects (TCIP-CC)	No		No		No		No	
TCIP Scheduling/Runcutting Objects (TCIP-SCH)	No		No		No		No	
Send data communication between micro computer and heavy duty								
vehicle applications (SAE J1708)	No		No		No		No	
Would agency be willing to participate in testing of ITS Standards?	No		No		Yes		NR	
Have agreements in place with other agencies to use similar hardware								
and software to aid maintenance and interoperability?	No		No		No		NR	
Electronic Fare Payment								
Have full operational Electronic Fare Payment System?	No		No		Yes		No	
Methods of Fare Payment								
Stored value card with fare deducted for each trip								
Magnetic Stripe	No		No		Yes		No	
Smart Card	No		No		No		No	
Debit Card	No		No		No		No	
Billed by the month for trips taken								
Magnetic Stripe	No		No		No		No	
Smart Card	No		No		No		No	
Credit Card	No		No		No		No	
Monthly Pass								
Magnetic Stripe	No		No		Yes		No	
Smart Card	No		No		No		No	
Vehicles/Stations Equipped with Automated Payment Mechanism								
Magnetic Stripe Readers								
Fixed Route Bus Vehicles	NR	NR	NR	NR	NR	160	NR	NR
Heavy or Rapid Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR
Light Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive Vehicles	NR	NR	NR	NR	NR	NR	NR	NR
Commuter Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR

	Putnam Co	ounty Transit	Stamford Di	Stamford Dial-A-Ride(CT)		c County	Triboro Coad	ch Corporation
	1999	2005	1999	2005	1999	2005	1999	2005
Ferry Boat Landings	NR	NR	NR	NR	NR	NR	NR	NR
Smart Card Readers								
Fixed Route Bus Vehicles	NR	NR	NR	NR	NR	NR	NR	NR
Heavy or Rapid Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR
Light Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive Vehicles	NR	NR	NR	NR	NR	NR	NR	NR
Commuter Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR
Ferry Boat Landings	NR	NR	NR	NR	NR	NR	NR	NR
Credit Card								
Fixed Route Bus Vehicles	NR	NR	NR	NR	NR	NR	NR	NR
Heavy or Rapid Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR
Light Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive Vehicles	NR	NR	NR	NR	NR	NR	NR	NR
Commuter Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR
Ferry Boat Landings	NR	NR	NR	NR	NR	NR	NR	NR
Debit Card								
Fixed Route Bus Vehicles	NR	NR	NR	NR	NR	NR	NR	NR
Heavy or Rapid Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR
Light Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive Vehicles	NR	NR	NR	NR	NR	NR	NR	NR
Commuter Rail Stations	NR	NR	NR	NR	NR	NR	NR	NR
Ferry Boat Landings	NR	NR	NR	NR	NR	NR	NR	NR
NR: No Response								+

		Westchester County		
		1		tals
	1999	2005	1999	2005
Agency Returned Survey?	Yes		17	
Number of vehicles used in revenue service				
Fixed Route Bus	344	NR	7,056	3,032
Heavy or Rapid Rail	NR	NR	5,774	0
Light Rail	NR	NR	22	40
Demand Responsive	54	NR	1,328	1,149
Commuter Rail	NR	NR	745	820
Ferry Boat	NR	NR	0	0
Have of plan to have an Automated Vehicle Location System?	Yes		7	
Primary and Secondary Location Technologies Used				
Primary Technologies				
GPS	No	No	0	4
Sign/Odometer	Yes	No	2	0
Dead-Reckoning	No	No	1	0
LORAN C	No	No	0	0
Other	No	Yes	2	1
Backup Technologies				
GPS	No	No	0	0
Sign/Odometer	Yes	Yes	1	1
Dead-Reckoning	No	No	0	1
LORAN C	No	No	0	0
Other	No	No	0	0
Number of Vehicles Equipped with AVL				
Fixed Route Bus	344	NR	2,614	6,253
Heavy or Rapid Rail	NR	NR	0	0
Light Rail	NR	NR	0	0
Demand Responsive	0	54	59	191
Commuter Rail	NR	NR	0	0
Ferry Boat	NR	NR	0	0
Motor Buses Operated as Vehicle Probes				
Number of Motor Buses equipped as probes on freeways?	NR		0	
Number of Motor Buses equipped as probes on arterials?	NR		0	
Have Organized Regional Incident Management Program?	No		1	

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			_	
	Westchester County 1999 2005			tals
		2005	1999	2005
Have Automated Traveler Information System?	Yes		10	
Services Automated Traveler Info. System Applies:				
Fixed Route	Yes		9	
Heavy Rail	No		0	
Light Rail	No		1	
Demand Responsive	No		1	
Commuter Rail	Yes		3	
Ferry	No		0	
Locations where traveler information is displayed to public				
Number of bus stops on fixed transit routes	3,500	3,500	38,530	24,500
Bus stops on fixed transit routes that display traveler info to the public	0	0	160	1,504
Number of rail stations	NR	NR	584	585
Number of rail stations that display traveler information	NR	NR	16	31
Number of other locations that display traveler information to public	1	3	6	6
Number of vehicles the traveler information system has available				
Fixed Route Bus	0	0	413	588
Heavy or Rapid Rail	NR	NR	0	0
Light Rail	NR	NR	0	0
Demand Responsive	0	0	0	0
Commuter Rail	NR	NR	0	0
Ferry Boat	NR	NR	0	0
Deployment of Communications Technology				
Attributes of Radio System:				
Digital?	No		5	
Analog?	Yes		11	
Trunked?	No		11	
Regular?	Yes		5	
Services that use a Digital or Trunked Radio System				
<u>Digital Only</u>				
Fixed Route Bus	No	No	3	2
Heavy or Rapid Rail	No	No	0	0
Light Rail	No	No	0	1
Demand Responsive	No	No	1	1
Commuter Rail	No	No	0	1
Ferry Boat	No	No	0	0
Trunked Only				
Fixed Route Bus	No	No	6	0

	Westchester County		Totals	
	1999	2005	1999	2005
Heavy or Rapid Rail	No	No	0	0
Light Rail	No	No	1	0
Demand Responsive	No	No	2	0
Commuter Rail	No	No	0	0
Ferry Boat	No	No	0	0
Have of plan to have Automatic Passenger Counters (APCs)?	Yes		5	
Methods used to count passengers				
Treadle Mats	No		0	
Infrared Beams	No		1	
Primary and Secondary Location Technologies Used				
Primary Technologies				
GPS	No	No	1	2
Differential GPS	No	No	1	0
Signpost/Odometer	No	No	0	0
Dead_Reckoning	No	No	0	0
LORAN C	No	No	0	0
Other	No	No	0	1
Backup Technologies				
GPS	No	No	0	0
Differential GPS	No	No	0	0
Signpost/Odometer	No	No	0	0
Dead_Reckoning	No	No	0	1
LORAN C	No	No	0	0
Other	No	No	0	0
Number of Vehicles with APCs				
Fixed Route Bus	NR	NR	3	676
Heavy or Rapid Rail	NR	NR	0	0
Light Rail	NR	NR	0	40
Demand Responsive	NR	NR	0	0
Commuter Rail	NR	NR	0	820
Ferry Boat	NR	NR	0	0
Remote Real-Time Monitoring and Computer Assisted Dispatching				
Remote Real-Time Monitoring				
Fixed Route Bus	NR	NR	168	606
Heavy or Rapid Rail	NR	NR	0	0
Light Rail	NR	NR	0	0
Demand Responsive	NR	NR	0	38

		ter County		tals
	1999	2005	1999	2005
Commuter Rail	NR	NR	407	457
Ferry Boat	NR	NR	0	0
Automated Dispatching or Control Software				
Fixed Route Bus	NR	NR	2,396	2,336
Heavy or Rapid Rail	NR	NR	0	0
Light Rail	NR	NR	0	40
Demand Responsive	NR	NR	82	147
Commuter Rail	NR	NR	745	820
Ferry Boat	NR	NR	0	0
Coordinate or plan to coordinate travel request and vehicle			-	-
dispatching for multiple agencies?	NR		2	
Is there or will there be a Transportation Management Center				
(TMC) in the region that controls transit and highway modes?	NR		2	
Modes that TMC currently controls:				
Highways	No	No	1	0
Fixed Route Bus	No	No	0	0
Heavy or Rapid Rail	No	No	0	0
Light Rail	No	No	0	0
Demand Responsive	No	No	0	0
Commuter Rail	No	No	0	0
Ferry Boat	No	No	0	0
Other	No	No	0	0
Priority at Traffic Signals and Ramp Meter Priority	110	110	- J	Ü
Priority at Traffic Signals				
Fixed Route Bus	NR	NR	0	0
Light Rail	NR	NR	0	0
Demand Responsive	NR	NR	0	0
Ramp Meter Priority				
Fixed Route Bus	NR	NR	0	0
Demand Responsive	NR	NR	0	0
Number of Vehicles Equipped with Navigation Aids				
Fixed Route Bus	NR	NR	0	0
Heavy or Rapid Rail	NR	NR	0	0
Light Rail	NR	NR	0	0
Demand Responsive	NR	NR	0	99

	Westchester County		Totals	
	1999	2005	1999	2005
Commuter Rail	NR	NR	0	0
Ferry Boat	NR	NR	0	0
ITS Standards Used Related to Transit Management				
TCIP On Boad Objects (TCIP-OB)	No		0	
TCIP Traffic Management Objects (TCIP-TM)	No		0	
TCIP Common Public Transportation Objects (TCIP-CPT)	No		0	
TCIP Passenger Information Objects (TCIP-PI)	No		0	
TCIP Incident Management Objects (TCIP-IM)	No		0	
TCIP Fare Collection Objects (TCIP-FC)	No		0	
TCIP Spatial Representation Objects (TCIP-SP)	No		0	
TCIP Control Center Objects (TCIP-CC)	No		0	
TCIP Scheduling/Runcutting Objects (TCIP-SCH)	No		0	
Send data communication between micro computer and heavy duty				
vehicle applications (SAE J1708)	No		0	
Would agency be willing to participate in testing of ITS Standards?	NR		7	
Have agreements in place with other agencies to use similar hardware				
and software to aid maintenance and interoperability?	NR		1	
Electronic Fare Payment				
Have full operational Electronic Fare Payment System?	No		9	
Methods of Fare Payment				
Stored value card with fare deducted for each trip				
Magnetic Stripe	No		6	
Smart Card	No		0	
Debit Card	No		0	
Billed by the month for trips taken				
Magnetic Stripe	No		1	
Smart Card	No		0	
Credit Card	No		0	
Monthly Pass				
Magnetic Stripe	No		5	
Smart Card	No		0	
Vehicles/Stations Equipped with Automated Payment Mechanism				
Magnetic Stripe Readers				
Fixed Route Bus Vehicles	NR	NR	4,263	916
Heavy or Rapid Rail Stations	NR	NR	468	0
Light Rail Stations	NR	NR	0	0
Demand Responsive Vehicles	NR	NR	0	0
Commuter Rail Stations	NR	NR	0	0

	Westches	Westchester County		Totals	
	1999	2005	1999	2005	
Ferry Boat Landings	NR	NR	0	0	
Smart Card Readers					
Fixed Route Bus Vehicles	NR	NR	0	0	
Heavy or Rapid Rail Stations	NR	NR	0	0	
Light Rail Stations	NR	NR	0	0	
Demand Responsive Vehicles	NR	NR	0	0	
Commuter Rail Stations	NR	NR	0	0	
Ferry Boat Landings	NR	NR	0	0	
Credit Card					
Fixed Route Bus Vehicles	NR	NR	0	0	
Heavy or Rapid Rail Stations	NR	NR	0	0	
Light Rail Stations	NR	NR	0	0	
Demand Responsive Vehicles	NR	NR	0	0	
Commuter Rail Stations	NR	NR	0	0	
Ferry Boat Landings	NR	NR	0	0	
Debit Card					
Fixed Route Bus Vehicles	NR	NR	0	0	
Heavy or Rapid Rail Stations	NR	NR	0	0	
Light Rail Stations	NR	NR	0	0	
Demand Responsive Vehicles	NR	NR	0	0	
Commuter Rail Stations	NR	NR	0	0	
Ferry Boat Landings	NR	NR	0	0	
NR: No Response					

Appendix J Transit Management Integration

	Clarksto	Clarkstown Mini-Trans		d Bus Company
Agency Name	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes	
Transit operators in the region that use the same electronic payment system				
	None listed		None listed	
Toll operators from whom you accept electronic payment of transit				
fare through the use of ETC media	None listed		None listed	
Receiving real-time information via electronic means from others				
Freeway Management agencies from which your agency receives				
freeway travel times, speeds, and conditions				
Receive Information	None listed	None listed	None listed	None listed
Share Infrastructure	None listed	None listed	None listed	None listed
Arterial Management agencies from which your agency receives	TAOTIC IISICU	INOTIC HOLEU	TAOTIC IISICU	NOTIC HOLEU
arterial travel times, speeds, and conditions				
Receive Information	None listed	None listed	None listed	None listed
Necesso montages	None listed	None listed	None listed	None listed

	Clarkstown	Mini-Trans	Command Bus Company		
Agency Name	1999	2005	1999	2005	
Share Infrastructure	None listed	None listed	None listed	None listed	
Incident Management agencies from which your agency receives					
incident severity, location, and type					
	None listed	None listed	New York City Department of Transportation	None listed	
Share Infrastructure	None listed	None listed	None listed	None listed	

		nsit-Stamford(CT)	Green Bus Lines	
Agency Name	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes	
Transit operators in the region that use the same electronic payment system				
	Southeast Area Transit (N	lorwich), Northeast Area		
	Transit (Waterbury)		None listed	
Toll operators from whom you accept electronic payment of transit				
fare through the use of ETC media	None listed		None listed	
Receiving real-time information via electronic means from others				
Freeway Management agencies from which your agency receives				
freeway travel times, speeds, and conditions				
Receive Information	None listed	None listed	None listed	None listed
Share Infrastructure	None listed	None listed	None listed	None listed
Arterial Management agencies from which your agency receives	Tiono notou	TTOTIO HOLOG	TTOTIO HOLOG	TOTO HOLOG
arterial travel times, speeds, and conditions				
Receive Information	None listed	None listed	None listed	None listed
1.00010 monitori	TTO TO TO TO	110110 flotod	TOTO HOLOG	Tiono notou

	Connecticut Trav	noit Stamford/CT\	Croon F	Bus Lines
Aganay Nama		nsit-Stamford(CT)		
Agency Name	1999	2005	1999	2005
Share Infrastructure	None listed	None listed	None listed	None listed
Incident Management agencies from which your agency receives				
incident severity, location, and type				
Receive Information	None listed	None listed	None listed	None listed
Share Infrastructure	None listed	None listed	None listed	None listed

	Huntington Area F	Rapid Transit (HART)	Jamaio	a Buses
Agency Name	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes	
Transit operators in the region that use the same electronic payment system			Green Bus Lines, Triboro Coach Corporation, Command Bus company, Queens Surface Corporation, Liberty Lines Express, Incorporatio New York Bus Tours, Incorporated, MTA Long I ity Bus, New York City Transit Authority	
Toll operators from whom you accept electronic payment of transit				
fare through the use of ETC media	None listed		None listed	
Receiving real-time information via electronic means from others				
Freeway Management agencies from which your agency receives				
freeway travel times, speeds, and conditions				
Receive Information	None listed	None listed	None listed	None listed
Share Infrastructure	None listed	None listed	None listed	None listed
Arterial Management agencies from which your agency receives	140He listed	INOTIC HOLEU	None listed	NOTIC HOLCU
arterial travel times, speeds, and conditions				
Receive Information	None listed	None listed	None listed	None listed
Todata manadan	110110 libtou	TTO TO TIOLOG	TTOTIO HOLOG	TTOTIO HOTOG

		apid Transit (HART)		a Buses
Agency Name	1999	2005	1999	2005
Share Infrastructure	None listed	None listed	None listed	None listed
Incident Management agencies from which your agency receives				
incident severity, location, and type				
Receive Information	None listed	None listed	None listed	None listed
Share Infrastructure	None listed	None listed	None listed	None listed

	Long B	Long Beach City		Railroad MTA
Agency Name	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes	
Transit operators in the region that use the same electronic payment system				
			l	
	None listed		None listed	
Toll operators from whom you accept electronic payment of transit				
fare through the use of ETC media	None listed		None listed	
Receiving real-time information via electronic means from others				
Freeway Management agencies from which your agency receives				
freeway travel times, speeds, and conditions				
Described Information	Name Baked	Nicoca Bakad	T	Niana Batad
Receive Information	None listed	None listed	Transcom	None listed
Oh and Indicate and and	Name Baked	Nicoca Bakad	Name Baked	Niana Batad
Share Infrastructure	None listed	None listed	None listed	None listed
Arterial Management agencies from which your agency receives				
arterial travel times, speeds, and conditions	NI PAL	N. P. C. I	<b>N</b>	N
Receive Information	None listed	None listed	None listed	None listed

	Long Be	Long Beach City		Railroad MTA
Agency Name	1999	2005	1999	2005
Share Infrastructure	None listed	None listed	None listed	None listed
Incident Management agencies from which your agency receives				
incident severity, location, and type				
Receive Information	None listed	None listed	Transcom	None listed
Share Infrastructure	None listed	None listed	None listed	None listed

	MTA Long Island Bus		New Jersey Transit Corporation(NJ)	
Agency Name	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes	
Transit operators in the region that use the same electronic payment system	New York City Department of Transportation, New		None listed	
Toll operators from whom you accept electronic payment of transit	York City Transit Authority		None listed	
fare through the use of ETC media	None listed		None listed	
Receiving real-time information via electronic means from others	None listed		None listed	
Freeway Management agencies from which your agency receives				
freeway travel times, speeds, and conditions				
Receive Information	None listed	None listed	None listed	TRANSCOM, Norfolk Southern, Conrail, Amtrak
Share Infrastructure  Arterial Management agencies from which your agency receives	None listed	None listed	Transportation, New Jersey Highway Authority, New Jersey Turnpike Authority, New York City Department of Transportation, Port Authority of New York and New Jersey, Norfolk	New Jersey Department of Transportation, New Jersey Highway Authority, New Jersey Turnpike Authority, New York City Department of Transportation, Port Authority of New York and New Jersey, Norfolk Southern, Conrail, Amtrak
arterial travel times, speeds, and conditions				
Receive Information	None listed	None listed	None listed	None listed

	MTA Long Island Bus		New Jersey Transit Corporation(NJ)	
Agency Name	1999	2005	1999	2005
Share Infrastructure	None listed	None listed	Works Department, Bergen County, Clifton City, East Orange City, Edison Township, Elizabeth City, Essex County, Hunterdon County, Irvington Township, Jersey City, Middlesex County, Monmouth County, New Jersey Department of Transportation, New Jersey Highway Authority, New York City Department of Transportation, Newark City, Ocean County, Passaic City, Patterson City, Somerset County, Union City, Union	Bayonne City Public Works Department, Bergen County, Clifton City, East Orange City, Edison Township, Elizabeth City, Essex County, Hunterdon County, Irvington Township, Jersey City, Middlesex County, Monmouth County, New Jersey Department of Transportation, New Jersey Highway Authority, New York City Department of Transportation, Newark City, Ocean County, Passaic City, Patterson City, Somerset County, Union City, Union Township, Warren County
Incident Management agencies from which your agency receives				
incident severity, location, and type				
Receive Information	TRANSCOM	None listed	TRANSCOM, Amtrak	TRANSCOM, Amtrak, Norfolk Southern/Conrail
Share Infrastructure	None listed	None listed	Transportation, New Jersey Highway Authority, New Jersey Turnpike Authority, Port Authority of New York and New Jersey, Amtrak, Norfolk	New Jersey Department of Transportation, New Jersey Highway Authority, New Jersey Turnpike Authority, Port Authority of New York and New Jersey, Amtrak, Norfolk Southern/Conrail

	New York	City Transit Authority	Norwalk Transit Distr	Norwalk Transit District/Westport Transit Lines(CT)	
Agency Name	1999	2005	1999	2005	
Agency Returned Survey?	Yes		Yes		
<u>Transit operators in the region that use the same electronic payment system</u>					
	None listed		None listed		
Toll operators from whom you accept electronic payment of transit					
fare through the use of ETC media	None listed		None listed		
Receiving real-time information via electronic means from others					
Freeway Management agencies from which your agency receives					
freeway travel times, speeds, and conditions					
Receive Information	None listed	None listed	None listed	None listed	
Chara Infrastructura	Nama liatad	Nama liatad	Nama lintad	Nama liata d	
Share Infrastructure	None listed	None listed	None listed	None listed	
Arterial Management agencies from which your agency receives					
arterial travel times, speeds, and conditions	Nama listad	Name lieted	Name listed	Name listed	
Receive Information	None listed	None listed	None listed	None listed	

	Now York City	New York City Transit Authority		/estport Transit Lines(CT)
Agency Name	1999			2005
Agency Name	1999	2005	1999	2005
Share Infrastructure	None listed	None listed	None listed	None listed
Incident Management agencies from which your agency receives				
incident severity, location, and type				
Receive Information	None listed	None listed	None listed	None listed
Share Infrastructure	None listed	None listed	None listed	None listed

	Putnam C	Putnam County Transit		al-A-Ride(CT)
Agency Name	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes	
Transit operators in the region that use the same electronic payment system				
	None listed	1	None listed	•
Toll operators from whom you accept electronic payment of transit				
fare through the use of ETC media	None listed		None listed	
Receiving real-time information via electronic means from others				
Freeway Management agencies from which your agency receives				
freeway travel times, speeds, and conditions				
Receive Information	None listed	None listed	None listed	None listed
Share Infrastructure	None listed	None listed	None listed	None listed
Arterial Management agencies from which your agency receives				
arterial travel times, speeds, and conditions				
Receive Information	None listed	None listed	None listed	None listed

	Putnam Co	ounty Transit	Stamford Dial-A-Ride(CT)		
Agency Name	1999	2005	1999	2005	
Share Infrastructure	None listed	None listed	None listed	None listed	
Incident Management agencies from which your agency receives					
incident severity, location, and type	_				
Receive Information	None listed	None listed	None listed	None listed	
Share Infrastructure	None listed	None listed	None listed	None listed	

	Suffolk	County	Triboro Coad	h Corporation
Agency Name	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes	
Transit operators in the region that use the same electronic payment system				
	None listed		None listed	
Toll operators from whom you accept electronic payment of transit				
fare through the use of ETC media	None listed	T	None listed	
Receiving real-time information via electronic means from others				
Freeway Management agencies from which your agency receives				
freeway travel times, speeds, and conditions				
Receive Information	None listed	None listed	None listed	None listed
Trooping minimation	Trono notou	Trono notou	Trono notod	Trono notou
Share Infrastructure	None listed	None listed	None listed	None listed
Arterial Management agencies from which your agency receives				
arterial travel times, speeds, and conditions				
	None listed	None listed	None listed	None listed

	Suffolk	Suffolk County		h Corporation
Agency Name	1999	2005	1999	2005
Share Infrastructure	None listed	None listed	None listed	None listed
Incident Management agencies from which your agency receives				
incident severity, location, and type				
Receive Information	None listed	None listed	None listed	None listed
Share Infrastructure	None listed	None listed	None listed	None listed

	Wes	stchester County
Agency Name	1999	2005
Agency Returned Survey?	Yes	
Fransit operators in the region that use the same electronic payment system		
	None listed	
Foll operators from whom you accept electronic payment of transit	None iisted	
fare through the use of ETC media	None listed	
Receiving real-time information via electronic means from others		
Freeway Management agencies from which your agency receives		
freeway travel times, speeds, and conditions		
Receive Information	None listed	None listed
Share Infrastructure	None listed	None listed
Arterial Management agencies from which your agency receives	inone listed	inone listed
arterial travel times, speeds, and conditions		
Receive Information	None listed	None listed

	We	stchester County
Agency Name	1999	2005
Share Infrastructure	None listed	None listed
ncident Management agencies from which your agency receives		
incident severity, location, and type		
Receive Information	None listed	None listed

Appendix K
Transit Management Information Collection and Dissemination

	Clarkatow	Clarkstown Mini-Trans		Bus Company
Agency Name	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes	
Methods used to disseminate transit information to the public				
Technologies your agency uses to disseminate:				
Transit routes, schedules and fares				
	Kiosks, Internet Web Sites, Telephone System	NR	NR	NR
Real-time transit schedule adherence or arrival and departure times				
	Kiosks, Internet Web Sites, Telephone System	NR	NR	NR
Technologies employed by other organization receiving your data				
Transit routes, schedules and fares	NR	NR	NR	NR
Real-time transit schedule adherence or arrival and departure times	NR	NR	NR	NR
Internet web site reporting transit routes, schedules and fare, etc.	IVIX	IVIX	MX	IVIX
<b>3</b> · · · · · · · · · · · · · · · · · · ·	NR		NR	
Telephone system for reporting transit information to the public	914.623.0667		NR	
Organizations your agency sends information for dissemination to the public				
	T.O.R.		NR	
Data collected, archived, and/or transferred to another agency				
Collected by your agency				
	Mahiala maa 11 1 1 1 1	Makista managari sa kar		
	Vehicle monitoring status, Passenger information	Vehicle monitoring status, Passenger information	Vehicle monitoring status,	
	(e.g., surveys, O/D), Trip	(e.g., surveys, O/D), Trip	Passenger information	
	itinerary planning records,	itinerary planning records,	(e.g., surveys, O/D),	
	Passenger count, Vehicle	Passenger count, Vehicle	Passenger count, Vehicle	
	time and location	time and location	time and location	NR

	21.1.1			
	Clarkstown Mini-Trans		Command Bus Company	
Agency Name	1999	2005	1999	2005
Archived by your agency				
	NR	NR	NR	NR
Transferred to another agency by your agency				
	Passenger count, Vehicle time and location	Passenger count, Vehicle time and location	NR	NR
Importance of making information available to the public				
Ranked High				
	Passenger count N		NR	
Ranked Medium				
	Vehicle time and location		NR	
Ranked Low				
Groups that make requests for the data	NR		NR	
	Federal DOT personnel, St	rate DOT personnel	Municipal	

	Clarkstown Mini-Trans		Command Bus Company	
Agency Name	1999	2005	1999	2005
What is the data used for?				
	Funding, Planning		Dissemination to the public	, Planning
	Funding, Planning		Dissemination to the public	, Planning

NR: No Response

	Connecticut T	Connecticut Transit-Stamford(CT)		Green Bus Lines	
Agency Name	1999	2005	1999	2005	
Agency Returned Survey?	Yes		Yes		
Methods used to disseminate transit information to the public					
Technologies your agency uses to disseminate:					
Transit routes, schedules and fares	NR	NR	Internet Web Sites, Telephone System	NR	
Real-time transit schedule adherence or arrival and departure times	INK	INK	relephone System	INK	
	NR	NR	Telephone System	Kiosks	
Technologies employed by other organization receiving your data					
Transit routes, schedules and fares	NR	NR	NR	NR	
Real-time transit schedule adherence or arrival and departure times	NR	NR	NR	NR	
Internet web site reporting transit routes, schedules and fare, etc.	NR		www.greenbus.com	THX.	
Telephone system for reporting transit information to the public	NR	- 1	718-995-4700 customer s	ervice	
Organizations your agency sends information for dissemination to the public	NR		NYC Transit Center□ NYC DOT Battery Maritim Kennedy Airport		
Data collected, archived, and/or transferred to another agency	TWX		realined 7 th port		
Collected by your agency			Transit operations		
			coordination information, Emergency/evacuation routes and procedures, Intermodal (air, rail, water) conditions, Scheduled roadway work zones for transit, Current roadway	)	
	NR	NR	work zones for transit, Incidents, Weather conditions, Passenger count, Vehicle time and location	NR	

	0 " 17	0 " 17 " 10" ( 107)			
		Connecticut Transit-Stamford(CT)		Bus Lines	
Agency Name	1999	2005	1999	2005	
Archived by your agency					
		Transit operations			
		coordination information,	Incidents, Weather		
		Vehicle monitoring status, Passenger information	conditions, Passenger count, Vehicle time and		
	Passenger count	(e.g., surveys, O/D)	location	NR	
Transferred to another agency by your agency					
		Incidents, Transit vehicle			
		signal priority, Trip	Transit operations		
		itinerary planning records,	coordination information,		
	NR	Vehicle time and location	Passenger count	NR	
mportance of making information available to the public					
Ranked High					
	T				
	Transit operations coord	lination information, Incidents,	Transit operations coordin	ation information	
	location	oordo, vernoie ame and	Intermodal (air, rail, water) conditions		
Ranked Medium			,		
	Transit vehicle signal pri	ority	Incidents, Passenger count		
Ranked Low					
	Passanger count	Passangar count		Scheduled roadway work zones for transit, Current roadway work zones for transit, Weather conditions	
Groups that make requests for the data	Passenger count		TOAUWAY WORK ZOTIES FOR ITS	anon, vveamer conumons	
•	Advanced Traveler Infor	Advanced Traveler Information Systems (ATIS)			
				personnel, State DOT	
	stations), State DOT per		personnel		

	Connecticut Transit-Stamford(CT)		Green Bus Lines	
Agency Name	1999	2005	1999	2005
What is the data used for?				
	Dissemination to the public	, Planning	Planning, Construction imp	act determination
		, - <u>J</u>	, , , , , , , , , , , , , , , , , , , ,	

NR: No Response

	Huntington Area Rapid Transit (HART)			_
		T'		ca Buses
Agency Name	1999	2005	1999	2005
Agency Returned Survey?	V		V	
Methods used to disseminate transit information to the public	Yes		Yes	
Technologies your agency uses to disseminate:				
Transit routes, schedules and fares				
Transit routes, scriedules and raies			Internet Web Sites,	
	NR	NR	Telephone System	NR
Real-time transit schedule adherence or arrival and departure times				
	NR	NR	NR	NR
Technologies employed by other organization receiving your data				
Transit routes, schedules and fares				
Deal fire transit about a discourse or switch and describe fire	NR	NR	NR	NR
Real-time transit schedule adherence or arrival and departure times				
	NR	NR	NR	NR
Internet web site reporting transit routes, schedules and fare, etc.			www.jamaicabus.com□	
	NR		www.itravel.scog.ca.gov/it	ravel/
Telephone system for reporting transit information to the public	N.D.		740 500 0000	
Organizations your agency sends information for dissemination to the public	NR		718-526-0800	
organizations your agency serius information for dissemination to the public				
	NR		NR	
Data collected, archived, and/or transferred to another agency				
Collected by your agency				
	Intermodal (air, rail, water)			
	conditions, Incidents,			
	Passenger information (e.g., surveys, O/D),			
	Passenger count	NR	Passenger count	NR
	. accorded todalit	Linx	I. asseriger count	1313

		Huntington Area Rapid Transit (HART)		naica Buses	
Agency Name	1999	2005	1999	2005	
Archived by your agency					
	Intermodal (air, rail, water)				
	conditions, Incidents,				
	Passenger information				
	(e.g., surveys, O/D),				
	Passenger count	NR	Passenger count	NR	
Transferred to another agency by your agency					
	Intermodal (air, rail, water)				
	conditions, Incidents,				
	Passenger information				
	(e.g., surveys, O/D), Passenger count	ND	NR	NR	
Importance of making information available to the public	rassenger count	NR	INK	INK	
Ranked High					
Training Tingin					
	Intermodal (air, rail, water)	conditions	NR		
Ranked Medium					
	NR		NR		
Ranked Low	INIX		INIX		
		Incidents, Passenger information (e.g., surveys, O/D),			
One was that walls are weeks for the date	Passenger count		NR		
Groups that make requests for the data					
	Composition to MDOs. 5. I	al DOT management Of the			
	Consultants, MPOs, Feder DOT personnel, Universitie		City DOT		
	personnei, Universitie	25	City DOT		

	Huntington Area Rapid Transit (HART)		Jamaica Buses	
Agency Name	1999	2005	1999	2005
What is the data used for?				
	Planning		Do not know	

NR: No Response

	Long B	Long Beach City		Metro-North Railroad MTA	
Agency Name	1999	2005	1999	2005	
Agency Returned Survey?	Yes		Yes		
Methods used to disseminate transit information to the public					
Technologies your agency uses to disseminate:					
Transit routes, schedules and fares	NR	NR	Internet Web Sites, Telephone System	NR	
Real-time transit schedule adherence or arrival and departure times	NR	NR	Monitors/VMS (not in vehicle), Telephone System	Variable Message Signs (in vehicle)	
Technologies employed by other organization receiving your data				· ·	
Transit routes, schedules and fares	NR	NR	Internet Web Sites, Telephone System	NR	
Real-time transit schedule adherence or arrival and departure times	NR	NR	Telephone System	NR	
Internet web site reporting transit routes, schedules and fare, etc.	NR		www.mta.nye.ny.us		
Telephone system for reporting transit information to the public	NR		1-800-638-7646 □ 1-212-532-4900		
Organizations your agency sends information for dissemination to the public	NO		_		
Data collected, archived, and/or transferred to another agency	NR		Transcom	T	
Collected by your agency					
	Passenger count, Vehicle time and location, Route designations (snow emergency, etc), Incidents, Current roadway work zones for transit, Scheduled roadway work zones for transit, Emergency/evacuation routes and procedures	NR	Intermodal (air, rail, water) conditions, Incidents, Weather conditions, Passenger information (e.g., surveys, O/D), Passenger count	Passenger information (e.g., surveys, O/D)	

	Long		Metro-North Railroad MTA		
Agency Name	1999	2005	1999	2005	
Archived by your agency					
			Incidents, Passenger information (e.g., surveys,		
	NR	NR	O/D), Passenger count	NR	
Transferred to another agency by your agency		·	,,		
	NR	NR	Incidents	NR	
mportance of making information available to the public					
Ranked High					
	Passanger count Pout	Passenger count, Route designations (snow		conditions Weather	
		nt roadway work zones for	Intermodal (air, rail, water) conditions, Weather conditions, Passenger information (e.g., surveys,		
		cuation routes and procedure			
Ranked Medium					
	Passenger information	(e.g., surveys, O/D), Road			
		e and location, Scheduled			
	roadway work zones fo		Passenger count		
Ranked Low		ip itinerary planning records,			
		Emergency vehicle signal preemption, Transit operations coordination information, Incidents,			
	Intermodal (air, rail, wa	Intermodal (air, rail, water) conditions, Highway			
	operations coordination	operations coordination information, Transit vehicle			
Groups that make requests for the data	signal priority		Incidents		
Troups that make requests for the data					
	Consultants, MPOs Fe	ederal DOT personnel, State			
	DOT personnel, Univer		Media (I.e., TV stations, ra	Media (I.e., TV stations, radio stations)	

Long B	each City	Metro-North F	Railroad MTA
1999	2005	1999	2005
Planning		Dissemination to the public	
	1999		1999 2005 1999

			N 1 7 10 11 (N)	
A many and Name	MTA Long 1999	Island Bus	New Jersey Tran 1999	sit Corporation(NJ)
Agency Name	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes	
Methods used to disseminate transit information to the public	103		103	
Technologies your agency uses to disseminate:				
Transit routes, schedules and fares				Monitors/VMS (not in
	Audible Enunciators, Telephone System	Kiosks, Internet Web Sites	Internet Web Sites, Telephone System	vehicle), Internet Web Sites, Telephone System
Real-time transit schedule adherence or arrival and departure times	NR	Monitors/VMS (not in vehicle), Kiosks	NR	Monitors/VMS (not in vehicle), Internet Web Sites, Telephone System
Technologies employed by other organization receiving your data				
Transit routes, schedules and fares	NR	Internet Web Sites	Internet Web Sites	Internet Web Sites
Real-time transit schedule adherence or arrival and departure times	NR	Monitors/VMS (not in vehicle)	NR	Kiosks, Pagers or personal data assistants
Internet web site reporting transit routes, schedules and fare, etc.		·		
	www.mta.nyc.ny.us		www.njtransit.state.nj.us	
Telephone system for reporting transit information to the public	516-766-6722		973.762.5100	
Organizations your agency sends information for dissemination to the public				
	NR		Transcom	•
Data collected, archived, and/or transferred to another agency  Collected by your agency				
	Transit operations coordination information, Scheduled roadway work			
	zones for transit, Current roadway work zones for transit, Incidents, Route designations (snow emergency, etc), Vehicle monitoring status, Passenger information (e.g., surveys, O/D), Passenger count, Vehicle time and location	NR	Incidents, Weather conditions, Vehicle monitoring status, Passenger information (e.g., surveys, O/D), Vehicle time and location	Transit operations coordination information, Incidents, Weather conditions, Vehicle monitoring status, Passenger information (e.g., surveys, O/D), Passenger count, Vehicle time and location

	MTALOR	Island Bus	Now Jorgov Tran	sit Corporation(NJ)
Agency Name	1999	2005	1999	2005
Archived by your agency	1333	2003	1333	2003
	Transit operations coordination information, Incidents, Vehicle monitoring status, Passenger information (e.g., surveys, O/D), Passenger count, Vehicle time and location	NR	Incidents, Vehicle monitoring status, Passenger information (e.g., surveys, O/D), Vehicle time and location	Incidents, Weather conditions, Vehicle monitoring status, Passenger information (e.g., surveys, O/D), Passenger count, Vehicle time and location
Transferred to another agency by your agency				
Importance of making information available to the public	Transit operations coordination information	NR	NR	Transit operations coordination information, Incidents
Ranked High				
	Transit operations coording Scheduled roadway work z designations (snow emerg location	ones for transit, Route	Intermodal (air, rail, water) roadway work zones for tra monitoring status, Vehicle	ansit, Incidents, Vehicle
Ranked Medium	Passenger information (e.g	a surveys O/D)	operations coordination int Emergency/evacuation rou Scheduled roadway work a conditions, Passenger info O/D)	formation, utes and procedures, zones for transit, Weather
Ranked Low	r accongor information (c.g	g., odi (ojo, o/b)	0.2)	
	Incidents, Vehicle monitori	ng status, Passenger count	Transit vehicle signal prior signal preemption, Trip itir	
Groups that make requests for the data		gg.,g	, and an examination of the second of the se	
	MPOs, Federal DOT perso	onnel, State DOT personnel	Advanced Traveler Inform providers, Consultants	ation Systems (ATIS)

	MTA Lo	MTA Long Island Bus		t Corporation(NJ)
Agency Name	1999	2005	1999	2005
What is the data used for?				
			L	
	Planning		Dissemination to the public	

	New York City	Transit Authority	Norwalk Transit District/Westport Transit Lines(CT)	
ency Name	1999	2005	1999	2005
ency Returned Survey?	Yes		Yes	
thods used to disseminate transit information to the public				
chnologies your agency uses to disseminate:				
ransit routes, schedules and fares	Kiosks, Internet Web Sites, Telephone System	NR	NR	NR
eal-time transit schedule adherence or arrival and departure times	Monitors/VMS (not in vehicle), Kiosks	Audible Enunciators, Monitors/VMS (not in vehicle), Kiosks	NR	NR
chnologies employed by other organization receiving your data				
ransit routes, schedules and fares	NR	NR	NR	NR
eal-time transit schedule adherence or arrival and departure times	NR	NR	NR	NR
ernet web site reporting transit routes, schedules and fare, etc.	http://www.mta.nyc.ny.us/r		NR	1
lephone system for reporting transit information to the public	NR	,	NR	
ganizations your agency sends information for dissemination to the public	ND		ND.	
ta collected, archived, and/or transferred to another agency	NR		NR	
ollected by your agency		Passenger count, Trip itinerary planning records, Passenger information (e.g., surveys, O/D), Vehicle monitoring status, Emergency vehicle signal preemption, Vehicle time and location, Transit operations coordination information, Transit		
	NR	and local operation	ation, Transit ons coordination tion, Transit	ation, Transit ons coordination tion, Transit

		City Transit Authority		Norwalk Transit District/Westport Transit Lines(CT	
Agency Name	1999	2005	1999	2005	
Archived by your agency					
	NR	NR	NR	NR	
Transferred to another agency by your agency					
	NR	NR	NR	NR	
Importance of making information available to the public	Tux	Turk	IIIX	TAIX	
Ranked High	Passenger count, The Passenger information monitoring status, Rollocation, Transit operal Incidents, Current roal Scheduled roadway would (air, rail, water) conditional passenger country and the passenger country. The passenger country and the passenger country and the passenger country and the passenger country and the passenger country. The passenger country and the passenger information and the passenger information and the passenger country. The passenger information and the pass	nicle e and ation, sit, rmodal			
Ranked Medium	(2)		-		
	preemption, Route de	Weather conditions, Emergency vehicle signal preemption, Route designations (snow emergency, etc), Highway operations coordination information, Transit vehicle signal priority			
Ranked Low					
	ND		NR		
Groups that make requests for the data	NR		INIX		
		nformation Systems (ATIS) s, Media (I.e., TV stations,			

	New York City T	ransit Authority	Norwalk Transit District/	Westport Transit Lines(CT)
Agency Name	1999	2005	1999	2005
What is the data used for?				
	Dissemination to the public,	, Traffic analysis	NR	

	Ditter and O		Otens found D	Sal A Dista(OT)
Agency Name	1999	ounty Transit 2005	1999	al-A-Ride(CT) 2005
Agonoy Hamo			1000	
Agency Returned Survey?	Yes		Yes	
Methods used to disseminate transit information to the public				
Technologies your agency uses to disseminate:				
Transit routes, schedules and fares				
	NR	NR	NR	NR
Real-time transit schedule adherence or arrival and departure times				
	ND	ND	NR	NR
Technologies employed by other organization receiving your data	NR	NR	INR	INK
Transit routes, schedules and fares				
Transit rodies, contoduce and rares	NR	NR	NR	NR
Real-time transit schedule adherence or arrival and departure times				
	NR	NR	NR	NR
Internet web site reporting transit routes, schedules and fare, etc.	INC	INIX	TW.	THI C
	NR		NR	
Telephone system for reporting transit information to the public				
	NR		NR	
Organizations your agency sends information for dissemination to the public				
	NR		NR	
Data collected, archived, and/or transferred to another agency	TWI		TAIX	
Collected by your agency				
	Passenger count	NR	NR	NR
	i assengei count	INIX	INIZ	INIX

	Putnan	n County Transit	Stamfor	d Dial-A-Ride(CT)	
Agency Name	1999	2005	1999	2005	
Archived by your agency					
	Passenger count	NR	NR	NR	
Transferred to another agency by your agency	, accongor count		Tu v	Tux	
	Passenger count	NR	NR	NR	
mportance of making information available to the public					
Ranked High					
	Passenger count		NR	NR	
Ranked Medium					
	Transit operations coo	rdination information, Highw	av		
		operations coordination information			
Ranked Low	itinerary planning reco	itinerary planning records, Passenger information			
		(e.g., surveys, O/D), Vehicle monitoring status, Road			
	Route designations (sr	conditions, Emergency vehicle signal preemption, Route designations (snow emergency, etc), Incidents,			
	Current roadway work	Current roadway work zones for transit, Scheduled			
Custing that make variousle for the d-t-	roadway work zones fo	r transit, Intermodal (air, rai	, NR		
Groups that make requests for the data					
	Consultants, State DO	T personnel	NR		

	Putnam Co	unty Transit	Stamford Di	al-A-Ride(CT)
Agency Name	1999	2005	1999	2005
What is the data used for?				
	Planning		NR	

	0 "		T "	0 10 "	
Agency Name	1999	olk County 2005	1999	Coach Corporation 2005	
Agency Name	1333	2005	1999	2003	
Agency Returned Survey?	Yes		Yes		
Methods used to disseminate transit information to the public	103		103		
Technologies your agency uses to disseminate:					
Transit routes, schedules and fares					
	Internet Web Sites	NR	NR	NR	
Real-time transit schedule adherence or arrival and departure times					
	NR	NR	NR	NR	
Technologies employed by other organization receiving your data					
Transit routes, schedules and fares					
Deal fire through a head of the control of the cont	NR	Internet Web Sites	NR	NR	
Real-time transit schedule adherence or arrival and departure times					
	NR	NR	NR	NR	
Internet web site reporting transit routes, schedules and fare, etc.	www.sct-bus.org□				
	www.itravel.org		NR		
Telephone system for reporting transit information to the public					
	NR		NR		
Organizations your agency sends information for dissemination to the public					
	NR		NR		
Data collected, archived, and/or transferred to another agency					
Collected by your agency					
	NR	NR	NR	NR	

	S	uffolk County	Triboro C	coach Corporation
Agency Name	1999	2005	1999	2005
Archived by your agency				
	NR	NR	NR	NR
Transferred to another agency by your agency				
and the second s	NR	NR	NR	NR
mportance of making information available to the public Ranked High				
Named Fight				
	NR		NR	
Ranked Medium	INC		INIX	
	NR		NR	
Ranked Low				
	NR		NR	
Groups that make requests for the data				
	NR		NR	

	Suffolk	County	Triboro Coad	ch Corporation
Agency Name	1999	2005	1999	2005
What is the data used for?				
	NR		NR	

	Westo	chester County		
Agency Name	1999	2005		
Agency Returned Survey?	Yes			
Methods used to disseminate transit information to the public				
Technologies your agency uses to disseminate:				
Transit routes, schedules and fares				
	Facsimile, Kiosks,			
	Telephone System	Telephone System		
Real-time transit schedule adherence or arrival and departure times				
		Kiosks, Telephone		
	NR	System		
Technologies employed by other organization receiving your data				
Transit routes, schedules and fares				
	NR	NR		
Real-time transit schedule adherence or arrival and departure times				
	NR	NR		
Internet web site reporting transit routes, schedules and fare, etc.	IVIX	IVIX		
		and the action		
Telephone system for reporting transit information to the public	www.westchestergov.com/beeline			
receptione system for reporting transit information to the public	914-682-2020 TDD- 914-682-4364			
Organizations your agency sends information for dissemination to the public	100 014 002 4004			
erganianono y car agono, contro mismanon no anocaminanon to ano passio	Transcom			
	Metro Traffic			
Data collected, archived, and/or transferred to another agency				
Collected by your agency				
	ND	ND		
	NR	NR		

	Wes	stchester County
Agency Name	1999	2005
Archived by your agency		
Transferred to question around the constitution of the constitutio	NR	NR
Transferred to another agency by your agency		
	NR	NR
mportance of making information available to the public		
Ranked High		
	NR	
Ranked Medium		
	NR	
Ranked Low		
	NR	
Groups that make requests for the data		
	NR	

	Westches	ter County
Agency Name	1999	2005
What is the data used for?		
	NR	

Appendix L Emergency Management

	Total <sup>v</sup>	Vehicles	Navigation	Capabilities	А	VL
Agency Name	1999	2005	1999	2005	1999	2005
Amityville Fire District	11	11	0	0	0	0
Amityville Fire District Emergency Medical	1	1	0	0	0	0
Babylon Fire District	12	12	0	0	0	0
Babylon Fire District Emergency Medical Babylon Town Fire Marsha & Hazardous Materials Response Bayonne City Fire Department(NJ)	1 8 20	1 8 NR	0 0 0	0 0 NR	0 0 0	0 0 NR
Bridgeport City Emergency Medical Services(CT)	15	NR NR	0	NR NR	0	NR NR
Bridgeport City Fire Department(CT) Bridgeport City Police Department(CT) Clifton City Fire Department (EMS)(NJ) Clifton City Fire Department(NJ)	54 188 5 17	NR NR 5 17	0 0 0 0	NR NR 0	0 0 0 0	NR NR 0
Copiague Fire District	11	11	0	0	0	0
Copiague Fire District Emergency Medical	2	2	0	0	0	0
Deer Park Fire District	15	15	0	0	0	0
Deer Park Fire District Emergency Medical	3	3	0	0	0	0
East Farmingdale Fire District	12	12	0	0	0	0

	Total '	Total Vehicles		Navigation Capabilities		AVL	
Agency Name	1999	2005	1999	2005	1999	2005	
East Farmingdale Fire District Emergency Medical Elizabeth City Emergency Medical Services(NJ)	3 9	3 NR	0	0 NR	0	0 NR	
Elizabeth City Fire Department(NJ) Elizabeth City Police Department(NJ)	14 68	16 NR	0 0	0 NR	0 40	14 NR	
Greenburgh Town Emergency Medical Services Greenburgh Town Police Department	8 23 16	9 25 NR	8 15 0	9 17 NR	8 15 0	9 17 NR	
Islip City Fire Department King County Sheriff	3	4	0	0	0	0	
Lindenhurst Fire District Emergency Medical(NJ)	2	2	0	0	0	0	
Lindenhurst Fire District(NJ)	12	12	0	0	0	0	
Monmouth County Sheriff(NJ)	50	55	0	0	0	0	
Mount Vernon City Emergency Medical Services	5	8	0	0	0	0	
Mount Vernon City Fire Department	10	12	0	0	0	0	
Mount Vernon City Police Department	44	NR	0	1	0	0	
New Jersey Highway Authority(NJ)	123	NR	0	NR	0	NR	
New Rochelle Fire Department	14	14	0	NR	0	NR	
New York County Sheriff	52	55	0	0	0	0	
North Amityville Fire District	11	11	0	0	0	0	
North Amityville Fire District Emergency Medical	2	2	0	0	0	0	
North Babylon Fire District	15	15	0	0	0	0	

	Total V	/ehicles	Navigation	Capabilities	AVL	
Agency Name	1999	2005	1999	2005	1999	2005
North Babylon Fire District Emergency Medical	3	3	0	0	0	0
North Lindenhurst Fire District Emergency Medical(NJ)	2	2	0	0	0	0
North Lindenhurst Fire District(NJ)	10	10	0	0	0	0
Norwalk City Fire Department(CT) Queens County Sheriff Richmond County Sheriff	9 26 3	11 30 3	0 0 0	6 0 0	0 0 0	0 0 0
Suffolk County Emergency Medical Services	210	240	0	0	0	0

	Total \	/ehicles	Navigation	Capabilities	A	VL
Agency Name	1999	2005	1999	2005	1999	2005
Suffolk County Fire Department	1,500 33	1,700 NR	0	0 NR	0	0 NR
Sussex County Sheriff	33	NK	U	INR	U	INK
West Babylon Fire District	13	13	0	0	0	0
West Babylon Fire District Emergency Medical	3	3	0	0	0	0
Wyandanch Fire District	13	13	0	0	0	0
Wyandanch-Wheatley Heights Ambulance Services Emergency Medical	7	7	0	0	0	0
Yonkers Fire Department	30	30	0	30	0	30

CA	AD	CAD Equipped Terr	with Mobile Data ninal	Vehicles Equippe	2005 2005 Participate in Formal Program		Send Incident Info to other agencies	
1999	2005	1999	2005	1999	2005	Particip Incider Progra	Send I	List of agencies receiving data
11	11	0	1	3	11	Yes	Yes	Fire Prevention &
1	1	0	0	0	1	Yes	Yes	Emergency Medical Services, New York
12	12	0	1	4	12	Yes	Yes	Fire Prevention &
1 8	1 8	0	0	1 0	1	Yes Yes	Yes Yes	Emergency Medical Services, New York New York State
		-	-	-				Hudson County
20	NR	0	NR	0	NR	Yes	Yes	Office of
15	NR	0	NR	0	NR	Yes	Yes	None listed Emergency
54	NR	0	NR	9	NR	Yes	Yes	Operations Center,
188	NR	0	NR	0	NR	Yes	Yes	None listed
5	5	0	0	0	0	No	No	None listed
17	17	0	0	0	0	No	No	None listed
11	11	0	2	3	11	Yes	Yes	New York State Fire Prevention & Control
2	2	0	0	0	2	Yes	Yes	Suffolk County Emergency Medical Services, New York State Department of Health
15	15	1	2	5	15	Yes	Yes	New York State Fire Prevention & Control
3	3	0	0	2	3	Yes	Yes	Suffolk County Emergency Medical Services, New York State Health Department
12	12	1	1	12	12	Yes	Yes	New York State Fire Prevention & Control

C.F	AD	CAD Equipped v Tern		Vehicles Equipp	ed with Preemption	ipate in Formal ent Mgt am	Participate in Formal Incident Mgt Program Send Incident Info to other agencies	
1999	2005	1999	2005	1999	2005	artic ncide rogr	end	List of agencies
#	×	4	×	¥	×	다 드 다	ο 5	receiving data
<u>3</u> 9	3 NR	0	0 NR	3	3 NR	Yes Yes	Yes No	Suffolk County Emergency Medical Services, New York State Health Department
9	NK	U	NR	U	NR NR	res	INO	None listed
2 68	14 NR	0 15	3 NR	0	NR 0	Yes Yes	Yes No	New Jersey Division of Fire Safety None listed
8	9	8	9	0	0	Yes	Yes	Hudson Valley Regional EMS Council
23	25	15	17	0	0	No Yes	No	None listed
0	NR	0	NR	0	NR	No	No	None listed
3	4	3	4	0	0	Yes	No	None listed
2	2	0	0	0	2	Yes	Yes	Emergency Medical
12	12	0	0	4	12	Yes	Yes	Fire Prevention &
0	0	0	10	0	0	Yes	No	None listed
0	8	0	8	0	0	No	No	None listed
0	12	0	12	0	0	No	No	None listed
								Westchester
44	NR NB	5	NR	0	0 NR	Yes	Yes	County Crime
0	NR 14	0	NR 14	0	NR NR	Yes Yes	Yes No	TRANSCOM None listed
52	55	52	55	0	0	Yes	No	None listed
52	- 55	52	- 33	0	•	163	110	New York State
11	11	0	0	3	11	Yes	Yes	Fire Prevention &
								Suffolk County Emergency Medical Services, New York State Health
2	2	0	0	1	2	Yes	Yes	Department
							.,	New York State
15	15	0	1	5	15	Yes	Yes	Fire Prevention &

C	AD		with Mobile Data ninal	Vehicles Equipped with Preemption		Participate in Formal Incident Mgt Program	Send Incident Info to other agencies	
						cipa ent l ram	d Inc	
1999	2005	1999	2005	1999	2005	Parti ncid Prog	Senc	List of agencies receiving data
	,,	,	.,,	,	.,			Suffolk County
								Emergency Medical
								Services, New York
								State Health
3	3	0	0	3	3	Yes	Yes	Department
								Suffolk County
								Emergency Medical
								Services, New York
	_	_	_	_				State Health
2	2	0	0	2	2	Yes	Yes	Department
40	40			_	40		.,	New York State
10	10	0	1	5	10	Yes	Yes	Fire Prevention &
	11	0	6	1	1	Yes	Vaa	Connecticut Division of Public
0 26	30	26	30	0	0	Yes	Yes No	None listed
3	3	3	3	0	0	Yes	No	None listed
	,			U	U	163	INO	Suffolk County
								Department of
								Public Works -
								Transp, New York
								State Emergency
								Management, New
								York City Office of
								Emergency
								Management,
								Suffolk County
								Police Department,
								Nassau County
0	0	0	0	50	200	Yes	Yes	Emergency

C	AD		with Mobile Data innal	Vehicles Equippe	Vehicles Equipped with Preemption		Send Incident Info to other agencies	
1999	2005	1999	2005	1999	2005	Participate in Formal Incident Mgt Program	Send I	List of agencies receiving data
								Suffolk County Police Department, Suffolk County Health Department of Public Works, New York State Emergency Management Agency, Nassau County Emergency Management Agency, New York
15	1,500	0	1,000	100	1,500	Yes	Yes	City Office of
0	NR	0	NR	NR	NR	No	No	None listed New York State
13	13	0	0	4	13	Yes	Yes	Fire Prevention &
	10							Suffolk County Emergency Medical Services, New York State Health
3	3	0	0	3	3	Yes	Yes	Department
13	13	0	1	5	13	Yes	Yes	New York State Fire Prevention & Suffolk County Emergency Medical Services, New York State Health
7	7	0	0	4	7	Yes	Yes	Department
30	30	0	30	0	30	Yes	No	None listed

Appendix M Electronic Toll Collection

	MTA Bridges & Tunnels/Bronx-Whitestone Bridge		MTA Bridges & Tunnels/Brooklyn Battery Tunnel		MTA Bridges & Tunnels/Cross Bay Bridge		MTA Bridges & Tunnels/Henry Hudson Bridge	
	1999	2005	1999	2005	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes		Yes		Yes	
Number of toll Collection Plazas operated	0	0	0	0	0	0	0	0
Number of toll collection plazas with dedicated ETC	0	0	0	0	0	0	0	0
Number of toll collection plazas with both manual and ETC	0	0	0	0	0	0	0	0
Number of toll collection lanes operated	28	0	21	0	14	0	14	14
Number of toll collection lanes with dedicated ETC	8	0	7	0	6	0	9	0
Number of toll collection lanes with both manual and ETC	24	0	17	0	14	0	14	14
Number of toll collection tags issued	0	0	0	0	0	0	0	0
Antennae Location Technologies								
In-Pavement?	No		No		No		No	
Focused Beam?	No		No		No		No	
Distributed Overhead?	Yes		Yes		Yes		Yes	
In-Vehicle Equipment Technologies								
Tag-based?	Yes		Yes		Yes		Yes	
Integrated circuit card-based?	No		No		No		No	
Are toll tags used by other toll operations in metro area?	Yes		Yes		Yes		Yes	
List of toll operators that use tags	New York State Thruway Authority, Port Authority of NY & NJ		Port Authority of NY and NJ, New York State Thruway Authority		Port Authority of New York & New Jersey		New York State Thruway Authority, Port Authority of NY & NJ	
Are toll tags used by operators of public transit to pay transit fares								
in metro area?	No		No		No		No	
List of transit operators that use tags	No	ne	No	one	No	one	No	one
NR: No Response								

	MTA Bridges & Tunnels/Marine Parkway Bridge		MTA Bridges & Tunnels/Queens Midtown Tunnel		MTA Bridges & Tunnels/Throgs Neck Bridge (I-295)		MTA Bridges & Tunnels/Triborouth Bridge (I-295)	
	1999	2005	1999	2005	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes		Yes		Yes	
Number of toll Collection Plazas operated	0	0	0	0	0	0	0	0
Number of toll collection plazas with dedicated ETC	0	0	0	0	0	0	0	0
Number of toll collection plazas with both manual and ETC	0	0	0	0	0	0	0	0
Number of toll collection lanes operated	14	0	20	0	27	0	43	0
Number of toll collection lanes with dedicated ETC	8	0	6	0	11	0	15	0
Number of toll collection lanes with both manual and ETC	14	0	20	0	21	0	37	0
Number of toll collection tags issued	0	0	0	0	0	0	0	0
Antennae Location Technologies								
In-Pavement?	No		No		No		No	
Focused Beam?	No		No		No		No	
Distributed Overhead?	Yes		Yes		Yes		Yes	
In-Vehicle Equipment Technologies								
Tag-based?	Yes		Yes		Yes		Yes	
Integrated circuit card-based?	No		No		No		No	
Are toll tags used by other toll operations in metro area?	Yes		Yes		Yes		Yes	
List of toll operators that use tags	Port Authority of NY & NJ, New York State Thruway Authority		New York State Thruway Authority, Port Authority of NY and NJ		Port Authority of NY and NJ, New York State Thruway Authority		New York State Thruway Authority, Port Authority of NY and NJ	
Are toll tags used by operators of public transit to pay transit fares								
in metro area?	No		No		No		No	
List of transit operators that use tags	No	ne	None		None		None	
NR: No Response								
	<u> </u>							

	Tunnels/\	MTA Bridges & Tunnels/Verrazano- Narrows Bridge		New Jersey Highway Authority(NJ)		New Jersey Turnpike Authority(NJ)		New York State Thruway Authority	
	1999	2005	1999	2005	1999	2005	1999	2005	
Arranay Datumad Company	Vaa		Yes		Vas		Yes		
Agency Returned Survey?  Number of toll Collection Plazas operated	Yes 0	0	45	45	Yes 28	28	7	NR	
Number of toll collection plazas with dedicated ETC	0	0	0	45 45	0	28	7	NR	
Number of toll collection plazas with dedicated ETC  Number of toll collection plazas with both manual and ETC	0	0	0	12	0	28	7	NR NR	
·									
Number of toll collection lanes operated	23	0	321	0	300	300	182	NR	
Number of toll collection lanes with dedicated ETC	12	0	0	0	0	159	37	NR	
Number of toll collection lanes with both manual and ETC	21	0	0	32	0	300	68	NR	
Number of toll collection tags issued	0	0	0	0	0	0	730,000	NR	
Antennae Location Technologies									
In-Pavement?	No		No		No		No		
Focused Beam?	No		Yes		No		No		
Distributed Overhead?	Yes		No		Yes		Yes		
In-Vehicle Equipment Technologies									
Tag-based?	Yes		Yes		Yes		Yes		
Integrated circuit card-based?	No		No		No		No		
Are toll tags used by other toll operations in metro area?	Yes		Yes		Yes		Yes		
List of toll operators that use tags	Authority, Po	tate Thruway rt Authority of & NJ	None		None		Port Authority of NY & NJ, NYS Bridge Authority, Delaware Department of Transportation, MTA Bridges and Tunnels, South Jersey Transportation Authority		
Are toll tags used by operators of public transit to pay transit fares									
in metro area?	No		No		No		No		
List of transit operators that use tags	No	one	No	one	No	one	No	ne	
NR: No Response									

Agency Returned Survey?  Number of toll Collection Plazas operated  1 1 1  Number of toll collection plazas with dedicated ETC  0 0 0  Number of toll collection plazas with both manual and ETC  1 1 1  Number of toll collection lanes operated  4 4 4  Number of toll collection lanes with dedicated ETC  1 2  Number of toll collection lanes with both manual and ETC  4 4 4  Number of toll collection lanes with both manual and ETC  5 1 0 0 0  Antennae Location Technologies  In-Pavement?  No  Focused Beam?  Distributed Overhead?  In-Vehicle Equipment Technologies  Tag-based?  Integrated circuit card-based?  Are toll tags used by other toll operations in metro area?  Metropolitan Transporta  Authority, New York St.  Thruway Authority	1999  Yes  3  0  3  31  0  0  No  Yes  No  Yes	3 0 3 3 31 17 14 0	1999 Yes 1 0 1 8 0 8 0 No Yes No	2005 1 0 1 8 4 8 0	1999 Yes 1 0 1 9 0 9 0 No Yes No	2005 1 0 1 9 6 9 0	
Number of toll Collection Plazas operated  Number of toll collection plazas with dedicated ETC  Number of toll collection plazas with both manual and ETC  Number of toll collection lanes operated  Number of toll collection lanes with dedicated ETC  Number of toll collection lanes with dedicated ETC  Number of toll collection lanes with both manual and ETC  Number of toll collection tags issued  Number of toll collection tags issued  No  In-Pavement?  No  In-Vehicle Equipment Technologies  Integrated circuit card-based?  Integrated circuit card-based?  No  Are toll tags used by other toll operations in metro area?  Metropolitan Transporta Authority, New York Sta	3 0 3 31 0 0 0 0 No Yes	0 3 31 17 14	1 0 1 8 0 8 0 No Yes No	0 1 8 4 8	1 0 1 9 0 9 0 9 0 No Yes	0 1 9 6 9	
Number of toll Collection Plazas operated  Number of toll collection plazas with dedicated ETC  Number of toll collection plazas with both manual and ETC  Number of toll collection lanes operated  Number of toll collection lanes with dedicated ETC  Number of toll collection lanes with dedicated ETC  Number of toll collection lanes with both manual and ETC  Number of toll collection tags issued  Number of toll collection tags issued  No  In-Pavement?  No  In-Vehicle Equipment Technologies  Integrated circuit card-based?  No  Are toll tags used by other toll operations in metro area?  Metropolitan Transporta Authority, New York Sta	3 0 3 31 0 0 0 0 No Yes	0 3 31 17 14	1 0 1 8 0 8 0 No Yes No	0 1 8 4 8	1 0 1 9 0 9 0 9 0 No Yes	0 1 9 6 9	
Number of toll collection plazas with dedicated ETC  Number of toll collection plazas with both manual and ETC  Number of toll collection lanes operated  Number of toll collection lanes with dedicated ETC  Number of toll collection lanes with both manual and ETC  Number of toll collection lanes with both manual and ETC  Number of toll collection tags issued  Number of toll collection tags issued  No  In-Pavement?  No  In-Vehicle Equipment Technologies  Integrated circuit card-based?  No  Are toll tags used by other toll operations in metro area?  Metropolitan Transporta Authority, New York Sta	0 3 31 0 0 0 0 No Yes	0 3 31 17 14	0 1 8 0 8 0 No Yes	0 1 8 4 8	0 1 9 0 9 0 9 0 No Yes	0 1 9 6 9	
Number of toll collection plazas with both manual and ETC  Number of toll collection lanes operated  Number of toll collection lanes with dedicated ETC  Number of toll collection lanes with both manual and ETC  Number of toll collection lanes with both manual and ETC  Number of toll collection tags issued  Number of toll collection tags issued  No  In-Pavement?  No  Focused Beam?  Distributed Overhead?  No  In-Vehicle Equipment Technologies  Tag-based?  Integrated circuit card-based?  No  Are toll tags used by other toll operations in metro area?  Metropolitan Transporta Authority, New York Sta	3 31 0 0 0 0 No Yes No	3 31 17 14	1 8 0 8 0 No Yes No	1 8 4 8	1 9 0 9 0 9 0 No Yes	1 9 6 9	
Number of toll collection lanes operated  Number of toll collection lanes with dedicated ETC  Number of toll collection lanes with both manual and ETC  Number of toll collection tags issued  Number of toll collection tags issued  O  Antennae Location Technologies  In-Pavement?  No  Focused Beam?  Distributed Overhead?  No  In-Vehicle Equipment Technologies  Integrated circuit card-based?  Are toll tags used by other toll operations in metro area?  Metropolitan Transporta Authority, New York Sta	31 0 0 0 0 No Yes No	31 17 14	8 0 8 0 No Yes No	8 4 8	9 0 9 0 No Yes	9 6 9	
Number of toll collection lanes with dedicated ETC  Number of toll collection lanes with both manual and ETC  A 4 4  Number of toll collection tags issued  O 0  Antennae Location Technologies  In-Pavement?  No Focused Beam?  Distributed Overhead?  No In-Vehicle Equipment Technologies  Tag-based?  Integrated circuit card-based?  Are toll tags used by other toll operations in metro area?  Metropolitan Transporta Authority, New York Sta	0 0 0 No Yes No	17 14	0 8 0 No Yes No	4 8	0 9 0 No Yes	6	
Number of toll collection lanes with both manual and ETC  Number of toll collection tags issued  O  Antennae Location Technologies  In-Pavement?  No  Focused Beam?  Distributed Overhead?  In-Vehicle Equipment Technologies  Tag-based?  Integrated circuit card-based?  Are toll tags used by other toll operations in metro area?  Metropolitan Transporta Authority, New York Sta	0 0 No Yes No	14	8 0 No Yes No	8	9 0 No Yes	9	
Number of toll collection tags issued  Antennae Location Technologies  In-Pavement?  Focused Beam?  Distributed Overhead?  In-Vehicle Equipment Technologies  Tag-based?  Integrated circuit card-based?  Are toll tags used by other toll operations in metro area?  Metropolitan Transporta Authority, New York Sta	No Yes No	-	No Yes No		0 No Yes		
Antennae Location Technologies  In-Pavement?  Focused Beam?  Distributed Overhead?  In-Vehicle Equipment Technologies  Tag-based?  Integrated circuit card-based?  Are toll tags used by other toll operations in metro area?  Metropolitan Transporta Authority, New York Sta	No Yes No	0	No Yes No	0	No Yes	0	
In-Pavement?  Focused Beam?  Distributed Overhead?  In-Vehicle Equipment Technologies  Tag-based?  Integrated circuit card-based?  Are toll tags used by other toll operations in metro area?  Metropolitan Transporta Authority, New York Sta	Yes No		Yes No		Yes		
Focused Beam? Distributed Overhead? No In-Vehicle Equipment Technologies Tag-based? Integrated circuit card-based? Are toll tags used by other toll operations in metro area?  Metropolitan Transporta Authority, New York Sta	Yes No		Yes No		Yes		
Distributed Overhead?  In-Vehicle Equipment Technologies  Tag-based? Integrated circuit card-based?  Are toll tags used by other toll operations in metro area?  Metropolitan Transporta Authority, New York Sta	No		No		1		
In-Vehicle Equipment Technologies  Tag-based? Integrated circuit card-based?  Are toll tags used by other toll operations in metro area?  Metropolitan Transporta List of toll operators that use tags  Metropolitan Transporta Authority, New York Sta					No		
Tag-based?  Integrated circuit card-based?  Are toll tags used by other toll operations in metro area?  Metropolitan Transporta Authority, New York Sta	Yes						
Integrated circuit card-based?  Are toll tags used by other toll operations in metro area?  Yes  Metropolitan Transporta Authority, New York Sta	Yes						
Are toll tags used by other toll operations in metro area?  Yes  Metropolitan Transporta List of toll operators that use tags  Authority, New York Sta			Yes		Yes		
Metropolitan Transporta List of toll operators that use tags Authority, New York Sta	No		No		No		
List of toll operators that use tags  Authority, New York Sta	Yes		Yes		Yes		
	e Authority, N	Metropolitan Transportation Authority, New York State Thruway Authority		n Metropolitan Transportation Authority, New York State Thruway Authority			
Are toll tags used by operators of public transit to pay transit fares							
in metro area? No			No		No		
List of transit operators that use tags None	No	None		None		ne	
		None	1		<u>                                      </u>		
		None			<del>,                                      </del>		
NR: No Response		None					

		Port Authority of NY and NJ/Lincoln Tunnel		Port Authority of NY and NJ/Outerbridge Crossing		als
	1999	2005	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes		18	17
Number of toll Collection Plazas operated	1	1	1	1	88	81
Number of toll collection plazas with dedicated ETC	0	0	0	0	7	73
Number of toll collection plazas with both manual and ETC	1	1	1	1	15	48
Number of toll collection lanes operated	14	14	11	11	1084	391
Number of toll collection lanes with dedicated ETC	0	5	0	5	120	198
Number of toll collection lanes with both manual and ETC	13	13	11	11	295	405
Number of toll collection tags issued	0	0	0	0	730,000	0
Antennae Location Technologies						
In-Pavement?	No		No		0	0
Focused Beam?	Yes		Yes		7	7
Distributed Overhead?	No		No		11	10
In-Vehicle Equipment Technologies						
Tag-based?	Yes		Yes		18	17
Integrated circuit card-based?	No		No		0	0
Are toll tags used by other toll operations in metro area?	Yes		Yes		18	17
List of toll operators that use tags	Authority, I	New York State Thruway Authority, Metropolitan Transportation Authority		New York State Thruway Authority, Metropolitan Transportation Authority		
Are toll tags used by operators of public transit to pay transit fares						
in metro area?	No		No		0	0
List of transit operators that use tags	No	one	None			
NR: No Response						