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

**FY99 Results** 

For additional information, please contact:

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Table of Contents	
Part 1 - Background and Purpose	1
Part 2 - Summary 1999 Survey Results	3
Part 3 - Detailed 1999 Survey Results	7
Freeway Management Component Indicators	9
Freeway Management Integration Indicators	11
Incident Management Component Indicators	
Incident Management Integration Indicators	15
Arterial Management Component Indicators	17
Arterial Management Integration Indicators	19
Electronic Toll Collection Component Indicators	
Electronic Toll Collection Integration Indicators	22
Transit Management Component Indicators	
Transit Management Integration Indicators	
Electronic Fare Payment Component Indicators	
Electronic Fare Payment Integration Indicators	27
Highway-Rail Intersection Component Indicators	
Highway-Rail Intersection Integration Indicators	29
Emergency Management Component Indicators	
Emergency Management Integration Indicators	
Regional Multimodal Traveler Information Component Indicators	
Regional Multimodal Traveler Information Integration Indicators	33
Appendix A. Survey Coverage Area	A.1
Appendix B. Surveyed Agencies	
Appendix C. Freeway Management Components	C.1
Appendix D. Freeway Management Integration	
Appendix E. Freeway Management Information Collection and Dissemination	E.1
Appendix F. Arterial Management Components	F.1
Appendix G. Arterial Management Integration	
Appendix H. Arterial Management Information Collection and Dissemination	
Appendix I. Transit Management Components	
Appendix J. Transit Management Integration	
Appendix K. Transit Management Information Collection and Dissemination	
Appendix L. Emergency Management	L.1

### 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."<sup>2</sup>

-- 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:

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<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.

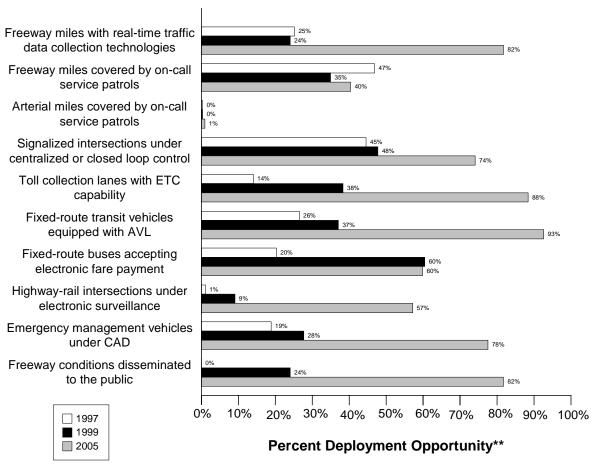
A critical aspect of ITS that provides much of its capability is the integration of individual components to form a unified regional traffic control system. Individual ITS components routinely collect information that is used for purposes internal to that component. For example, the Arterial Management 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

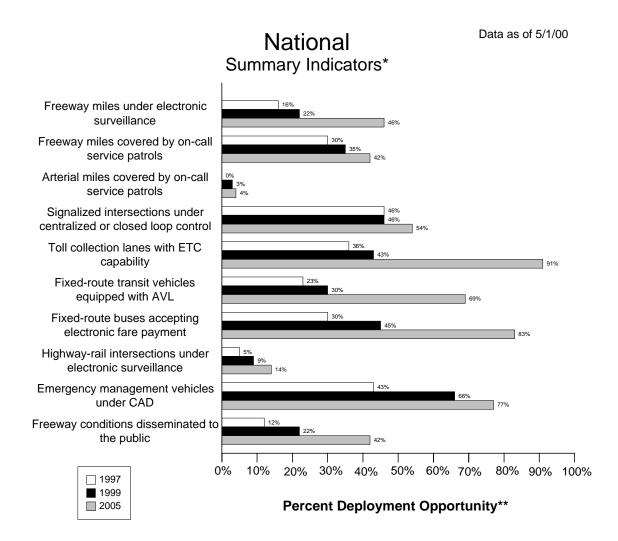
Data as of 5/1/00



Summary Indicators\*

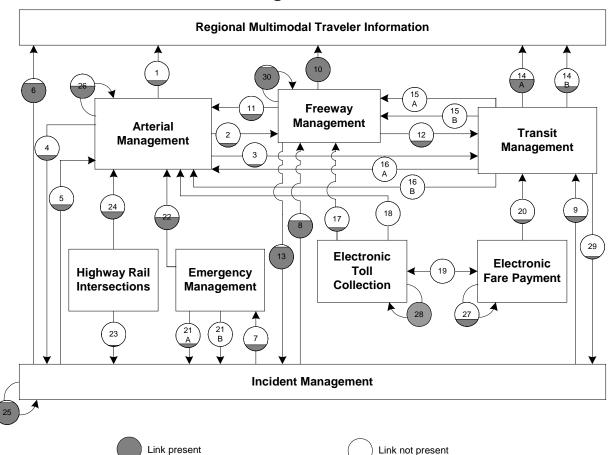
\* Indicators are single surrogates that do not necessarily reflect the full breadth of ITS deployment activity.

\*\* Deployment opportunity reflects potential totals that do not necessarily reflect actual need.



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## 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 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

	Freeway Management*
Freeway miles with real-time traffic data collection technologies	25% 24% 82%
Ramps controlled by ramp meter or miles under lane control (1997 only)	7% Not Collected in 1999 Not Collected in 2005
Ramps controlled by ramp meters (1999 and 2005)	Not Collected in 1997 4% 0%
Miles controlled by lane control (1999 and 2005)	Not Collected in 1997 0% 0%
Miles covered by VMS, HAR, or IVS (1997 only)	49% Not Collected in 1999 Not Collected in 2005
Miles covered by VMS (1999 and 2005)	Not Collected in 1997 51% 81%
Miles covered by HAR (1999 and 2005)	Not Collected in 1997 30% 48%
Miles covered by IVS (1999 and 2005)	Not Collected in 1997 No Response No Response
□ 1997 ■ 1999 □ 2005	Percent Deployment Opportunity**

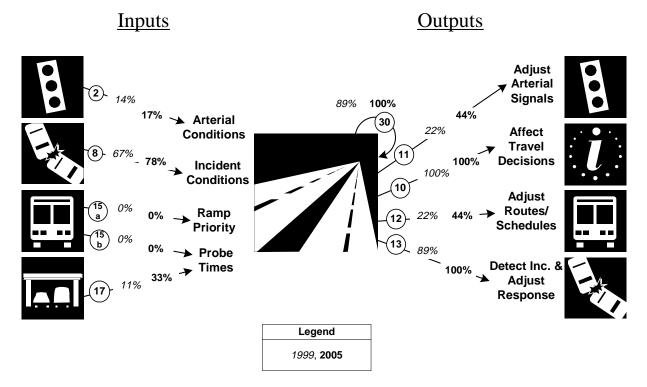
\* Indicators are single surrogates that do not necessarily reflect the full breadth of ITS deployment activity. \*\* Deployment opportunity reflects potential totals that do not necessarily reflect actual need.

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

#### **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**

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## New York, Northern New Jersey, Southwestern Connecticut

Data as of 5/1/00

## Freeway and Arterial Incident Management\*

Freeway miles under incident detection algorithms	24% 25% 71%	
Freeway miles under free cell phone call to a dedicated number	No Response	100% 100%
Freeway miles covered by surveillance cameras	9% 15%	
Freeway miles covered by on-call service patrols	47% 35% 40%	
Arterial miles under incident detection algorithms	0% 1% 4%	
Arterial miles under free cell phone call to a dedicated number	No Response	100% 100%
Arterial miles covered by surveillance cameras	1 1% 2% 10%	
Arterial miles covered by on-call service patrols	0% 0% 1%	
□ 1997 ■ 1999	)% 10% 20% 30% 40% 50% 60% 70% 80% 90% 10	7 00%
2005	Percent Deployment Opportunity**	

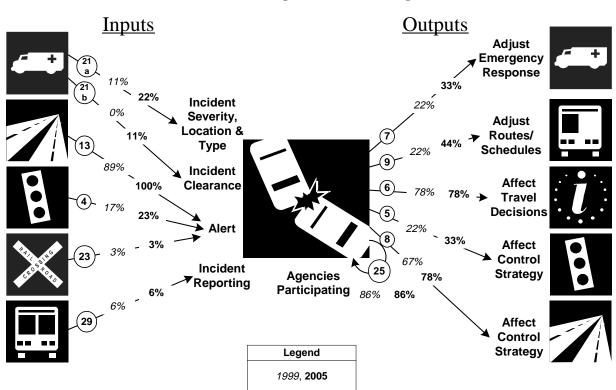
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		1997		1999			2005		
Description	Num	Den	%	Num	Den	%	Num	Den	%
Freeway miles are	314	1286	24%	318	1286	25%	914	1286	71%
covered by incident									
detection algorithms									
Freeway miles are		1286		1286	1286	100%	1286	1286	100%
covered by free 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



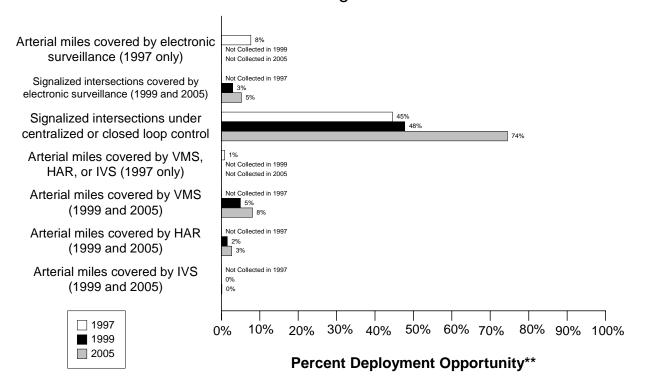
Incident Management Integration\*

\* 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



## Arterial Management\*

#### \* Indicators are single surrogates that do not necessarily reflect the full breadth of ITS deployment activity. \*\* Deployment opportunity reflects potential totals that do not necessarily reflect actual need.

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

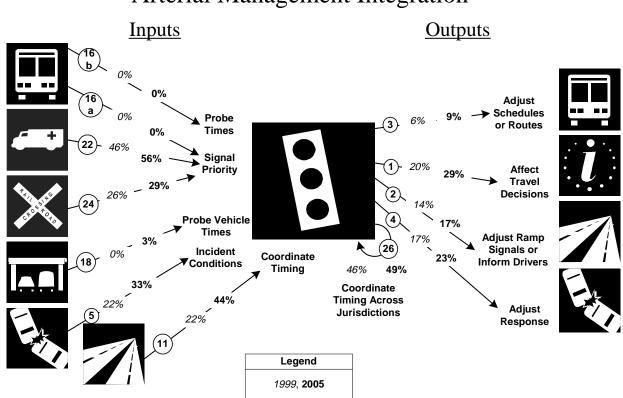
New York, Northern New Jersey, Southwestern Connecticut

Data as of 5/1/00

		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



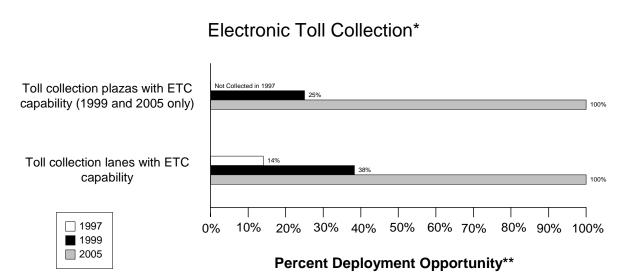
Arterial Management Integration\*

\* 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

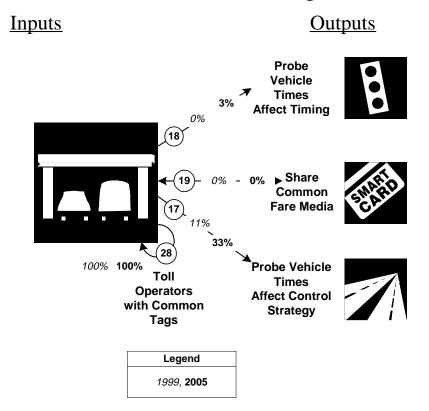


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	1997				1999			2005		
Description	Num	Den	%	Num	Den	%	Num	Den	%	
Toll collection plazas				22	88	25%	81	81	100%	
with ETC capability										
Toll collection lanes	138	983	14%	415	1084	38%	391	391	100%	
with ETC capability										

#### **Electronic Toll Collection Integration Indicators**

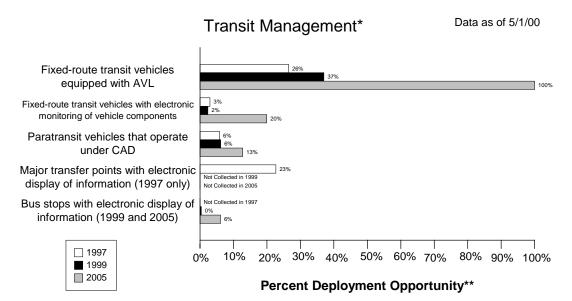
New York, Northern New Jersey, Southwestern Connecticut Electronic Toll Collection Integration\*



\* 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

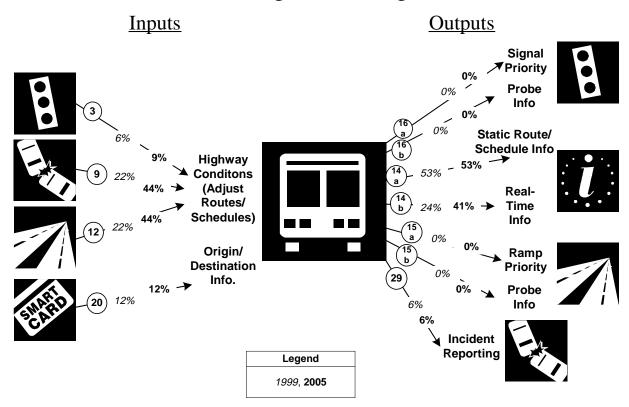


\* Indicators are single surrogates that do not necessarily reflect the full breadth of ITS deployment activity. \*\* Deployment opportunity reflects potential totals that do not necessarily reflect actual need.

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

#### **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

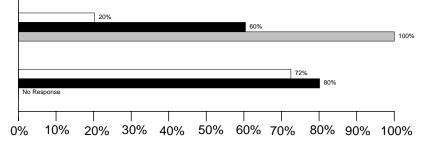
## **Electronic Fare Payment\***

Fixed-Route buses accepting electronic fare payment

Rail transit stations accepting electronic fare payment

1997

19992005



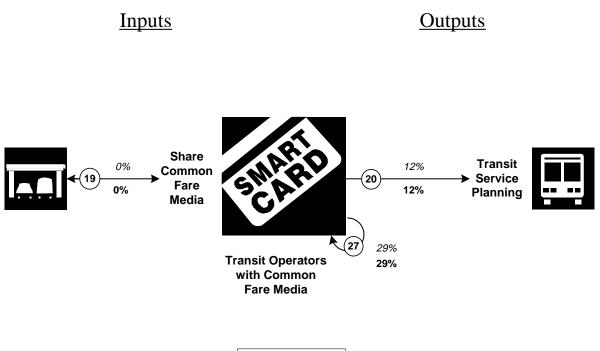
#### Percent Deployment Opportunity\*\*

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



Legend	
1999	
2005	

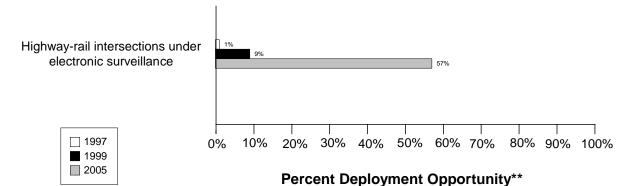
\* Indicators are single surrogates that do not necessarily reflect the full breadth of ITS deployment activity

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

Highway-Rail Intersections\*

Data as of 5/1/00



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

\*\* Deployment opportunity reflects potential totals that do not necessarily reflect actual need.

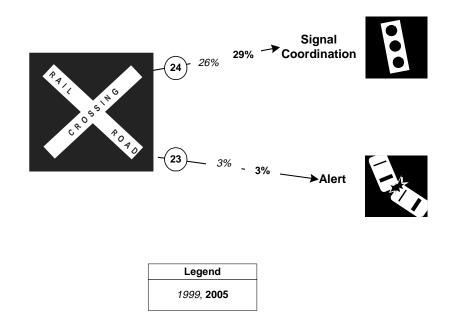
	1997			1999			2005		
Description	Num	Den	%	Num	Den	%	Num	Den	%
Highway-rail intersections	4	369	1%	7	77	9%	44	77	57%
are under electronic									
surveillance									

**Highway Rail Intersection Integration Indicators** 

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

**Inputs** 

<u>Outputs</u>



\* 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

**Emergency Management\* Emergency Management Vehicles** 19% 28% under Compute-Aided Dispatch 79% **Emergency Management vehicles** 0% 1% 3% with on-vehicle navigation capabilities 1997 10% 20% 30% 40% 50% 60% 70% 80% 90% 100% 0% 1999 2005 Percent Deployment Opportunity\*\*

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

\*\* Deployment opportunity reflects potential totals that do not necessarily reflect actual need.

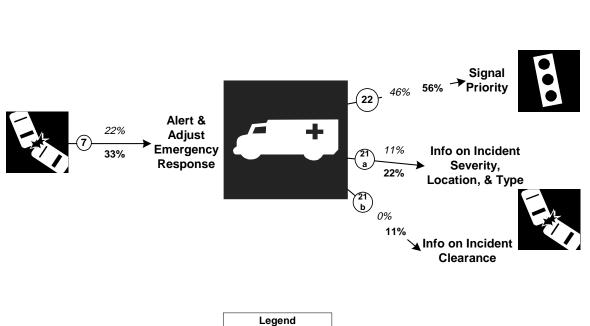
	1997			1999			2005		
Description	Num	Den	%	Num	Den	%	Num	Den	%
Public sector emergency	556	2947	19%	754	2721	28%	1909	2406	79%
vehicles that operate									
under computer-aided									
dispatch									
Public sector emergency	5	2947	0%	23	2721	1%	63	2406	3%
vehicles that have in-									
vehicle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

#### **Emergency Management Integration Indicators**

<u>Inputs</u>

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

**Outputs** 



1999, **2005** 

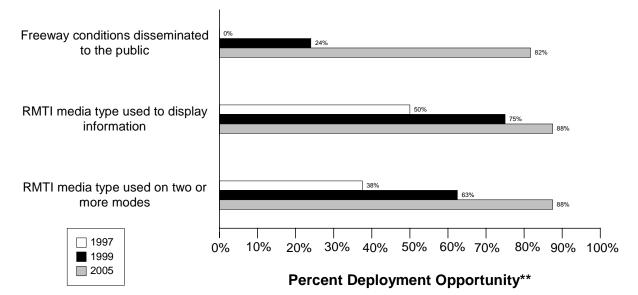
\* Indicators are single surrogates that do not necessarily reflect the full breadth of ITS deployment activity

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

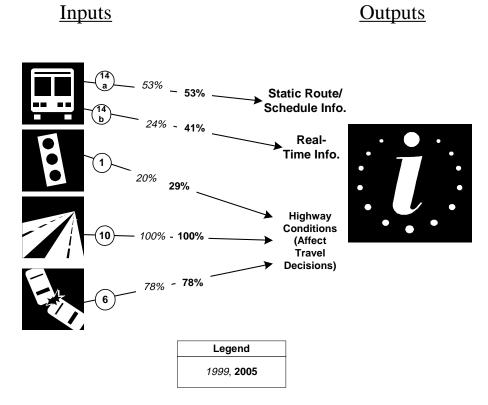
**Regional Multimodal Traveler Information\*** 



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

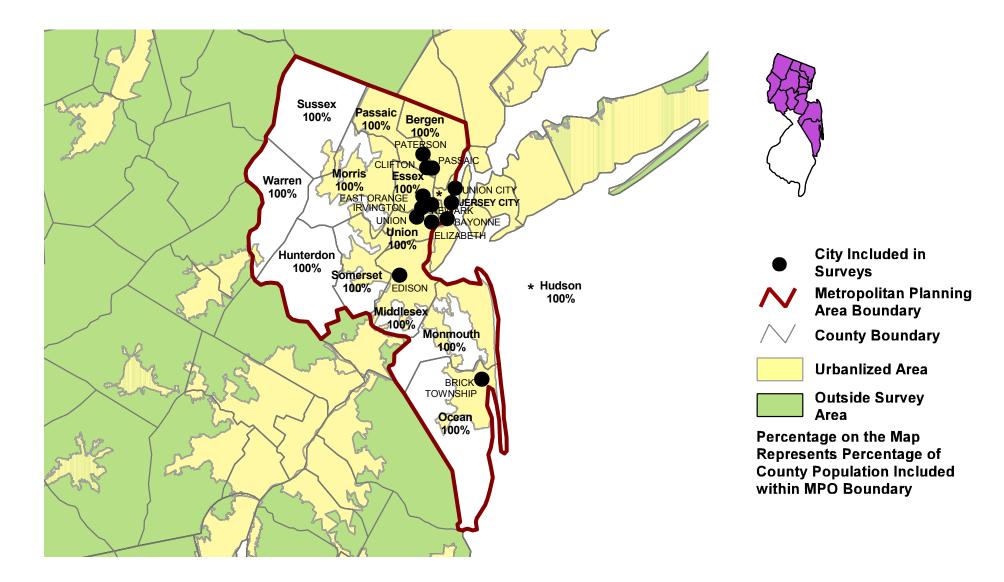


\* Indicators are single surrogates that do not necessarily reflect the full breadth of ITS deployment activity

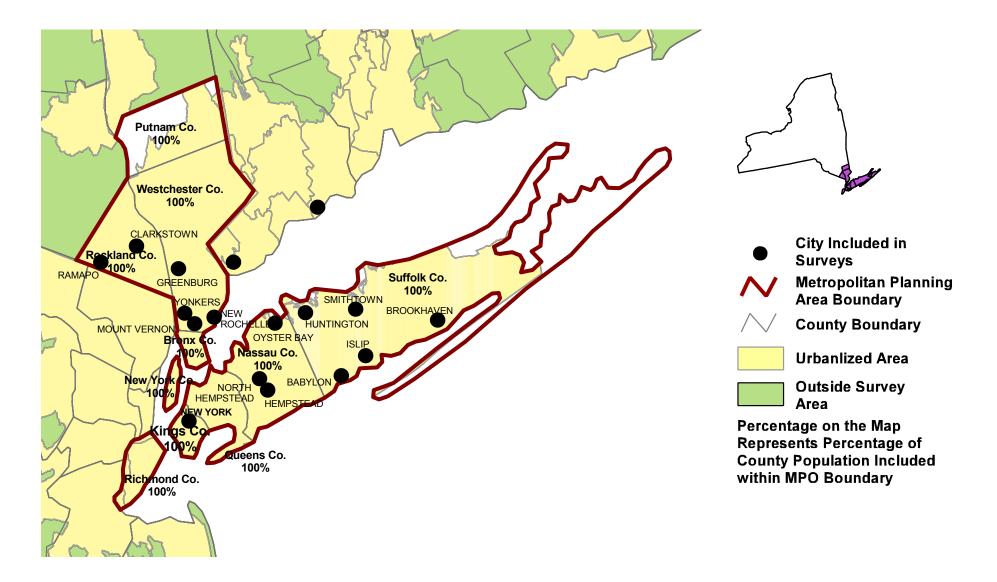
Link Description	1999	2005
14a. Transit Management agencies that disseminate information	(9/17)	(9/17)
describing transit routes, schedules, and fares to travelers	53%	53%
14b. Transit Management agencies that disseminate information	(4/17)	(7/17)
describing schedule/route adherence to travelers	24%	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, NOR	THERN NEW JER	SEY, SOUTHWEST	FERN 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

New York, Northern New Jersey, Southwestern Connecticut

Agency Name	Phone	Fax	199	99	199	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			II	I	1	
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		
Now Vark Northarn Now Jaraov Southwastorn C		<b>D</b> 2				

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

New York, Northern New Jersey, Southwestern Connecticut

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			11		I	
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) <b>MPO</b>	(973) 770-5115	(973) 770-5066	7/29/1999	8/23/1999	9/15/1997	9/27/1997
South Western Regional Planning Agency(NJ)	(203) 866-5543	(203) 866-6502	7/15/1999	9/27/1999		

Agency Name	Phone	Fax	199	99	19	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	8/23/1999	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 [ Transpor	Department of tation(NJ)		ey Highway rity(NJ)		ey Turnpike rity(NJ)
	1999	2005	1999	2005	1999	2005	1999	2005
	X						N N	L
Agency Returned Survey?	Yes		Yes		Yes		Yes	<b> </b>
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	<b></b>
Number of freeway entrance ramps that agency owns, operates or maintains	NR		NR		NR		55	ļ
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 rtation(CT)		Department of rtation(NJ)		ey Highway rity(NJ)		ey 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			1					
Loop detectors	0	0	0	0	0	0	861	NR
Video imaging detectors	0	0	0	0	0	0	92	NR
	0	0	5	35	-	16	92 0	0
Probe readers (elec. toll tags, transit vehicles, other technology)		-	-		1		-	
Microwave radar	0	0	300	300	0	0	12	NR
Other (e.g., acoustic detectors)	0	0	0	0	0	0	0	0
Number of Miles covered with data collection technologies								
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						45		
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								10
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
<u>Miles covered</u>								
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				┨────┤				<u> </u>
Freeway centerline miles covered by the following type of communication					0	<u> </u>		
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

	Connecticut Department of New Jersey Department of Transportation(CT) Transportation(NJ)			ey Highway ity(NJ)	New Jersey Turnpike Authority(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?								
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?								1
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	<u> </u>
			-				-	
The central focal point is another center	No		No		No		No	<u> </u>
Methods of Communication Used On-Site at an Incident Police			ļ					───

		Department of tation(CT)	,	Department of rtation(NJ)		ey Highway rity(NJ)		ey Turnpike prity(NJ)
	1999	2005	1999	2005	1999	2005	1999	2005
Two-way radio	No		Yes		No		Yes	
800 MHz trunked radio	No	1	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	
Two-way radio	No		No		No		Yes	
800 MHz trunked radio	No	1	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	
DOT								
Two-way radio	No		Yes		No		Yes	
800 MHz trunked radio	No		Yes		No		No	
Cellular telephone	No	1	Yes		No		Yes	
Hand-held (i.e., walkie-talkie)	No	1	Yes		No		No	
Automated data systems (i.e., CAD)	No		No		No		No	
• • •	110		NO		NO		110	+
<u>Towing</u>	Nie		Nie		NI-		No	
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?	N -		Mar		NI-		N	<b></b>
State Police County Police or Sheriff	No		Yes		No		Yes	<b></b>
	No		No		No		No No	
City Police Who provides on-site emergency medical response?	No		No		No		INO	
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	110		103		NO		103	+
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	

		Department of tation(CT)		Department of tation(NJ)	New Jerse Author	ey Highway ity(NJ)		ey Turnpike rity(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 Region 10		ate Thruway ority	Palisades In Comm	terstate Park
	1999	2005	1999	2005	1999	2005	1999	2005
Aganay Paturnad Sunyay2	Yes		Yes		Voo		Yes	
Agency Returned Survey? FREEWAY MANAGEMENT SECTION	res		res		Yes		res	
	0.574				00		24	
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	L	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		1						

		State DOT- lley Region 8		ate DOT-Long Region 10	New York State Thruway Authority			terstate Park nission
	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		1						
Loop detectors	0	100	2,600	2,600	37	82	0	0
Video imaging detectors	0	0	30	2,000 NR	15	42	0	0
	0	35	0	0	15	33	0	0
Probe readers (elec. toll tags, transit vehicles, other technology)	-			-	-		-	-
Microwave radar	0	0	0	0	0	0	0	0
Other (e.g., acoustic detectors)	0	0	0	0	0	0	0	0
Number of Miles covered with data collection technologies		100	100	100		ND		0
Loop detectors	0	100	130	130	NR	NR	0	0
Video imaging detectors	0	0	20	NR	NR	NR	0	0
Probe readers (elec. toll tags, transit vehicles, other technology)	0	60	0	0	NR	NR	0	0
Microwave radar	0	0	0	0	0	0	0	0
Other (e.g., acoustic detectors)	0	0	0	0	0	0	0	0
Variable Message Signs (VMS) on Freeways	ND	75	450	405	<u> </u>	20	ND	ND
Candidate locations for deployment of VMS where VMS has been deployed	NR NR	75 97	150 NR	185 NR	6 15	29 67	NR NR	NR NR
Candidate locations for deployment of VMS Roadside Technologies used to Distribute Traveler Information	NR	97	NR	NR	15	67	NK	NR
-	0	100	45	00	ND	ND	0	10
Total number of miles where information is distributed	0	100	45	90	NR	NR	0	12
Number deployed		45	4	8	4.4	10	0	4
Highway advisory radio	5	15 0	4	8	11 0	19 0	0	1
In-vehicle signing Portable variable message signs	0	15	0	0	11	0 11	0	0
Other	0	0	0	0	0	0	0	0
Miles covered	0	0	0	0	0	0	0	0
Highway advisory radio	0	100	45	90	NR	NR	0	12
	0	0	45	90	0	0	0	0
In-vehicle signing Portable variable message signs	NR U	NR	0	0	NR	NR	0	0
Other	0		0	0	0	0	0	0
Ramp Meters on Freeways	0	0	0	0	0	0	0	0
Number of entrance ramp meters operated under isolated control	NR	NR	0	0	NR	NR	NR	NR
Number of entrance ramp meters operated under isolated control	NR	NR	77	NR	NR	NR	NR	NR
Number of entrance ramp meters that provide preemption for emergency vehicles	NR	NR	0	NR	NR	NR	NR	NR
Number of entrance ramp meters that provide priority for transit vehicles	NR	NR	4	NR	NR	NR	NR	NR
Total number of metered ramps	NR	NR	81	NR	NR	NR	NR	NR
Freeway centerline miles under lane control	NR	NR	NR	NR	0	1	NR	NR
Communication Links	INF				0			INT.
Freeway centerline miles covered by the following type of communication		1					ļ	
Twisted pair cable	0	0	0	0	0	0	0	0
Coaxial cable	0	0	160	40	0	0	0	0
Fiber-optic cable	0	0	40	40	4	12	0	0
Microwave radio	0	0	40	0	4	0	0	0

		State DOT- Illey Region 8		ate DOT-Long Region 10		tate Thruway		nterstate Park mission
	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?								<u> </u>
The central focal point is a Freeway or Traffic Management Center	No		No		No		No	
	No		Yes		No		No	<u> </u>
The central focal point is a Police, Fire or joint dispatch center					-		-	<b></b>
The central focal point is another center	No		No		No		No	<u> </u>
Methods of Communication Used On-Site at an Incident								<u> </u>
<u>Police</u>								

		State DOT- lley Region 8		ate DOT-Long Region 10		tate Thruway hority		nterstate Park mission
	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								
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	
	110				110		110	
<u>Towing</u>	NI-		Nie		NLa		NI-	
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?	No		N		NL		N	<b></b>
State Police	Yes		Yes		No		Yes	<b></b>
County Police or Sheriff	Yes		Yes Yes		No No		No No	
City Police Who provides on-site emergency medical response?	INO		res		INO		INO	+
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	110				110		103	+
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			2.1					
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		Yes		No		Yes	
On-scene command post used to manage activities of responding agencies?	Yes		DK		NR		No	
Are there communication linkages to a communications traffic/freeway mgt center?	No		NR		NR		NR	

		New York State DOT- Hudson Valley Region 8 Island Region 10		0	g New York State Thruway Authority		Palisades Interstate Pa 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	Transcom		als
	1999	2005	1999	2005
Agency Returned Survey?	Yes		9	
REEWAY 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

New York, Northern New Jersey, Southwestern Connecticut

	Transcom		Totals		
	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					
Loop detectors	0	0	3,498	2.782	
Video imaging detectors	0	0	137	42	
5 5	-	-	-		
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	-		10.0		
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	
/ariable 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	
Miles covered					
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		1	1		
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	

	Transcom		Totals	
	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				

	Tran	scom	Totals	
	1999	2005	1999	2005
Two-way radio	No		3	
800 MHz trunked radio	No		3	
Cellular telephone	No		2	
Hand-held (i.e., walkie-talkie)	No		3	
Automated data systems (i.e., CAD)	No		0	
Fire				
Two-way radio	No		2	
800 MHz trunked radio	No		0	
Cellular telephone	No		0	
Hand-held (i.e., walkie-talkie)	No		1	
Automated data systems (i.e., CAD)	No		1	
DOT				
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	
Towing				
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	
Nho 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	
s the Incident Command System used to manage incident scenes?	NR		3	
s 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 NR		4	
On-scene command post used to manage activities of responding agencies? Are there communication linkages to a communications traffic/freeway mgt center?	NR		3	

	Transcom		То	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)	f 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)		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
Incident Management Agencies				
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	Short Survey			
				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		
		rtation(CT)	New Jersey Depa	rtment 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				
	None listed	None listed	None listed	Bergen County, Newark City
Share Infrastructure	None listed	None listed		Dergen 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
Public Transit Operators		None listed		
Provide Information				
				<b>N N T N</b>
	Name Beter	Nama linte d	Name listed	New Jersey Transit
	None listed	None listed	None listed	Corporation

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

	Connecticut Department of				
	Transportation(CT)				
Agency Name	1999	2005	1999	2005	
freeway travel times derived from vehicle probes					
Toll Collection agencies from which your agency receives freeway travel	None listed	None listed	None listed	None listed	
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					
	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	1999	2005	1999	2005
	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 Share Infrastructure	short survey	None listed	None listed	New Jersey Highway Authority, New Jersey Turnpike Authority, Port Authority of New York and New Jersey, TRANSCOM
	None listed	None listed	None listed	New Jersey Highway Authority, New Jersey Turnpike Authority, Port Authority of New York and New Jersey, TRANSCOM

		Connecticut Department of Transportation(CT)			
				artment of Transportation(NJ)	
Agency Name	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					
Receive Arterial Incident Clearance Information	None listed	None listed	None listed	Mount Vernon City Police Department, New Jersey State Police	
		None Bet	News Refer	Mount Vernon City Police Department, New Jersey State Police	
Receive Arterial Incident Severity Information	None listed	None listed	None listed		
Arterial Management agencies from which your agency receives arterial travel times, speeds, and conditions					
anenai u aver umes, speeus, anu conunions					
	None listed	None listed	None listed	Newark City, Bergen Count	
Freeway Management agencies from which your agency receives					

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

\*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)	
Agency Name	1999	2005	1999	2005
	1000			
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	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	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 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), TRANSCOM		New York City Department of Transportation, New York State Department of Transportation	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
Incident Management Agencies	TRANSCOM	None listed	TRAINSCOM	TRANSCOM
Provide Information				
Share Infrastructure	New Jersey Department of Transportation(NJ), TRANSCOM		Transportation, New York State Department of Transportation	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 Aut		way Authority(NJ)	New Jersev Turn	New Jersey Turnpike Authority(NJ)	
Agency Name	1999	2005	1999	2005	
Coordinate Operation					
	New Jersey Department of Transportation(NJ), TRANSCOM	None listed	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					
Coordinate Operation	None listed	None listed	None listed	None listed	
	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, Ne Jersey Transit Corporation, Suburban Transit Corporation	

	New Jersey Highway Authority(NJ)		New Jersey Turnpike Authority(NJ)	
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
Receiving real-time information via electronic means from others				
Incident Management agencies from which your agency receives				
incident severity, location, and type information	TRANSCOM	None listed	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	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 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 Turn	pike 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				
	None listed	None listed	None listed	None listed
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	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				

	New Jersey Highway Authority(NJ)		New Jersey Turnpike Authority(NJ)	
Agency Name	1999	2005	1999	2005
Provide Information	None listed	None listed	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	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 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	None listed	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	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

	New Jersey H	lighway Authority(NJ)	New Jersey Turnpike Authority(NJ)	
Agency Name	1999	2005	1999	2005
Coordinate Operation				
			New Jersey Denertment of	New Jersey Department of
			New Jersey Department of Transportation, New Jersey	Transportation, New Jersey
			Highway Authority, Port Authority	Highway Authority, Port Authority
			of New York and New Jersey,	of New York and New Jersey,
Public Transit Operators	None listed	None listed	TRANSCOM	TRANSCOM
Provide Information				
			Academy Lines Incorporated, New	Academy Lines Incorporated Nev
			Jersey Transit Corporation,	Jersey Transit Corporation,
	None listed	None listed	Suburban Transit Corporation	Suburban Transit Corporation
Share Infrastructure				
	None Refer	Name Refer	Non a Bata d	Niewe Refer
Coordinate Operation	None listed	None listed	None listed	None listed
Cool dinate 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)	
gency Name	1999	2005	1999	2005
freeway travel times, speeds, and conditions				
	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

\*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	-Hudson Valley Region 8	
Agency Name	1999	2005	
	1000	2000	
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			
	New York State Department of Transportation, New York State DOT- Hudson Valley Region 8	Connecticut Department of Transportation, New Jersey Department of Transportation, New Jersey Highway Authority, New York City Department of Transportation, New York State Thruway Authority, Palisades Interstate Park Commission, Port Authority of New York and New Jersey, Transcom	
Share Infrastructure	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 Department 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 Departme of Transportation, New Jersey Highwa
	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 State Thruway Authority, Transcom	Park Commission, Port Authority of Ne York and New Jersey
Incident Management Agencies		
Provide Information		
		Connecticut Department of
		Transportation, New Jersey Departme
	New York Otata Davisition at af	of Transportation, New Jersey Highwa
	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, Transcom	York and New Jersey
Share Infrastructure		
		Connecticut Department of
		Transportation, New Jersey Departme
		of Transportation, New Jersey Highwa
	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

	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	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 New	
	State Thruway Authority	York and New Jersey, Transcom	
Arterial Management Agencies			
Provide Information		Westchester County, Yonkers City	
	Nove Refer	Traffic Engineering Division, White Plains County	
Share Infrastructure	None listed		
		Westsheeter Oswate Mealers Otto	
		Westchester County, Yonkers City Traffic Engineering Division, White	
	None listed	Plains County	
Coordinate Operation			
		Westchester County, Yonkers City	
		Traffic Engineering Division, White	
	None listed	Plains County	
Public Transit Operators			
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			
Receiving real-time information via electronic means from others	None listed	Metro-North Commuter Railroad, New York City Department of Transportation, Putnam County Transit, Rockland Coaches Incorporated, Westchester County Department of Transportation	
Incident Management agencies from which your agency receives			
incident severity, location, and type information	New York City Department of Transportation, New York State	Connecticut Department of Transportation, New Jersey Department of Transportation, New Jersey Highway	
	Department of Transportation Region, New York State Thruway Authority, Transcom	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			

	New York State D	OT-Hudson Valley Region 8
Agency Name	1999	2005
freeway travel times derived from vehicle probes		
		Mater Narth Ormersten Dailer ad Narr
		Metro-North Commuter Railroad, New York City Department of Transportatior
		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		
unes derived nom venicles 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 Transportation, Westchester County,
	New York State Department of	Yonkers City Traffic Engineering
	Transportation Region	Division, White Plains County
Share Infrastructure		
		New York City Department of
		Transportation, Westchester County,
	New York State Department of Transportation Region	Yonkers City Traffic Engineering Division, White Plains County
Coordinate Operation		New York City Department of
		Transportation, Westchester County,
	New York State Department of	Yonkers City Traffic Engineering
	Transportation Region	Division, White Plains County
Emergency Management Agencies		

	New York State DOT-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 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, 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 Departmen 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				

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

\*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	
	1999	2003	
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 Department of Transportation, TRANSCOM	New York City Department of Transportation, New York State Department of Transportation Region, Port Authority of New York and New Jersey	
Share Infrastructure	None listed	New York City Department of Transportation, TRANSCOM	

	New York State DOT-Long Island Region 10	
Agency Name	1999	2005
Coordinate Operation	1555	2000
		New York City Department of
	TRANSCOM	Transportation
Incident Management Agencies		
Provide Information		
	New York State Department of	
	Transportation Region, New York	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 York State DOT-Long Island Region 10	
	2005
1000	2000
	New York City Department of
	Transportation, New York State
None listed	Department of Transportation
None listed	None listed
None listed	None listed
None listed	None listed
None listed	None listed
-	1999       None listed       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		
	None listed	None listed
Arterial Management agencies from which your agency receives		
arterial travel times, speeds, and conditions		
Public Transit operators from which your agency receives	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		
		Port Authority of NY and NJ, MTA
	None listed	Bridges & Tunnels
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		
	None listed	None listed
Coordinate Operation		
	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		
	None listed	None listed
Freeway Management Agencies		
Provide Information		
	TRANSCOM	None listed
Share Infrastructure		
	None listed	None listed

	New York State DOT-Long Island Region 10	
Agency Name	1999	2005
Coordinate Operation	1999	2005
	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		
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	None listed
Freeway Management agencies from which your agency receives		

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

\*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		
A sensy Nome			
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	New York State DOT-Hudson Valley Region 8, Transcom	
Share Infrastructure			
	New York State DOT-Hudson Valley Region 8, Transcom	New York State DOT-Hudson Valley 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		
	Transcom	New York State DOT, Transcom
	Transcom	New YOR State DOT, Transcom

	Now Vork State	New York State Thruway Authority	
Agency Name	1999	2005	
Agency Name Coordinate Operation	1999	2005	
	Transcom	New York State DOT, Transcom	
Arterial Management Agencies			
Provide Information			
	None listed	None listed	
Share Infrastructure			
	None listed	None listed	
Coordinate Operation			
	New York State DOT-Hudson Valley	New York State DOT-Hudson Valley	
	Region 8	Region 8	
Public Transit Operators			
Provide Information			
	None listed	None listed	

	New York Sta	te 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		
modern sevency, location, and type minimation		
	Transcom	Transcom
Arterial Management agencies from which your agency receives		
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 Vork S	State Thruway Authority
Agency Name	1999	2005
freeway travel times derived from vehicle probes		
	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		
	None listed	None listed
Coordinate Operation		
	None listed	None listed
Emergency Management Agencies		

	New York State	Thruway Authority
Agency Name	1999	2005
Provide Information		
	Nama lintad	
Share Infrastructure	None listed	None listed
	None listed	None listed
Coordinate Operation		
	None listed	None listed
Freeway Management Agencies		
Provide Information		
Share Infrastructure	None listed	None listed
	None listed	None listed

	No Vo	ork State Throwen Authority
A sensy Neme		ork State Thruway Authority
Agency Name	1999	2005
Coordinate Operation		
	None listed	None listed
Public Transit Operators		
Provide Information		
Share Infrastructure	None listed	None listed
	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		
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	None listed
Freeway Management agencies from which your agency receives		

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

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

	Palisades Interstat	Palisades Interstate Park Commission		Transcom	
Agency Name	1999	2005	1999	2005	
Agency Returned Survey?	Yes		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 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 Intersta	te Park Commission	Tra	nscom
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					
	None listed	None listed	short survey	None listed	
Share Infrastructure		None listed	Short Survey	None listed	
	None listed	None listed	None listed	None listed	
Coordinate Operation					
	None listed	None listed	None listed	None listed	
Public Transit Operators					
Provide Information					
	Niews Ref. 1	Nama Katad	a la conte a com	Name Ket 1	
	None listed	None listed	short survey	None listed	

	Palisades Interstat	Palisades Interstate Park Commission		Transcom	
Agency Name	1999	2005	1999	2005	
Share Infrastructure					
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					
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	
Public Transit operators from which your agency receives					

	Palisades Inte	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	None listed	None listed	None listed	None listed	
times derived from vehicles probes					
	None listed	None listed	short survey	None listed	
Freeway Incident Management Section			chief courtey		
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	short survey	None listed	
Share Infrastructure			1		
			1		
	None listed	None listed	None listed	None listed	
Coordinate Operation					
	None listed	None listed	None listed	None listed	
Emergency Management Agencies			None listed	None listed	

	Palisades Ir	Palisades Interstate Park Commission		Transcom	
Agency Name	1999	2005	1999	2005	
Provide Information					
	Name Ref. 1	No Kata d	a ba anti a sum	Name Bat	
Share Infrastructure	None listed	None listed	short survey	None listed	
	None listed	None listed	None listed	None listed	
Coordinate Operation					
	None listed	None listed	None listed	None listed	
Freeway Management Agencies					
Provide Information					
	TRANSCOM	None listed	short survey	None listed	
Share Infrastructure					
	None listed	None listed	None listed	None listed	

	Palisades In	Palisades Interstate Park Commission		nscom
Agency Name	1999	2005	1999	2005
Coordinate Operation				
	None listed	None listed	None listed	None listed
Public Transit Operators				
Provide Information				
	Name Kated	Name Katad	- In - wt	Name Refer
Share Infrastructure	None listed	None listed	short survey	None listed
	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	inone listed	None 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	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				
			1	
	None listed	None listed	None listed	None listed
Freeway Management agencies from which your agency receives				

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

\*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 Department of Transportation(CT)		New Jersey Department of Transportation(NJ)	
1999	2005	1999	2005
Yes		Yes	
		Emergency/evacuation routes and procedures,	Traffic volumes, Traffic speeds, Lane occupancy Vehicle classification, Probe vehicles, Road conditions, Intermodal (ai
NK	NK	Traffic volumes, Route designations (snow emergency, etc.), Weather conditions, Incidents, Current work zones, Scheduled work zones, Emergency/evacuation routes and procedures,	rail, water) connections Traffic volumes, Traffic speeds, Lane occupancy Vehicle classification, Probe vehicles, Road conditions, Intermodal (a
	Yes	NR NR	Image: state stat

	Connecticut Department of Transportation(CT)		New Jersey Department of Transportation(NJ)	
Agency Name	1999	2005	1999	2005
Transferred to another agency by your agency				
			Route designations (snow	
			emergency, etc.),	
			Incidents, Current work	Traffic volumes, Traffic
			zones, Scheduled work zones,	speeds, Lane occupancy Vehicle classification,
			Emergency/evacuation	Probe vehicles, Road
			routes and procedures,	conditions, Weather
	NR	NR	Highway operations coordination information	conditions, Intermodal (a rail, water) connections
mportance of making information available to the public				, ,
Ranked High				
			Traffic speeds, Road conc	litions Route designations
			(snow emergency, etc.), V	
	NR		Incidents, Current work zo	nes, Scheduled work zone
Ranked Medium				
			Probe vehicles, Intermoda	
	NR		connections, Emergency/eprocedures	evacuation routes and
Ranked Low			procedures	
			Traffic volumes, Lane occ classification, Highway op	
	NR		information	
Groups that make requests for the data				
			Universities, State DOT pe	ersonnel, Media (I.e., TV
	NR		stations, radio stations), M Advanced Traveler Inform	

A		ent of Transportation(CT)	New Jersey Department of Transportation(N	
Agency Name	1999	2005	1999	2005
What is the data used for?				
			Traffic analysis, Construct	ion impact determination
	NR		Planning, Roadway impac	
Methods used to disseminate freeway information to the public				[
Technologies your agency uses to disseminate:				
			Telephone system,	
			Pagers or personal data	
	Bagara ar paragal data		assistants, E-mail or other direct PC communication.	
	Pagers or personal data assistants	NR	Facsimile	Internet Web sites
Technologies your agency (through another agency or org.) uses to disseminate:				
			Telephone system, E-mail	
			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				
			TRANSCOM	
			NJ TMAs (construction and	d incident data)
			Media (incident data via te	
			SmartRoute (construction	and incident data)
			Metro Traffic (incident via	
	NR		Shadow Traffic (incident v	ia telephone call)
Freeway Incident Management Section				
Methods used to distribute incident location and severity information				
to the public				

	Connecticut Departme	Connecticut Department of Transportation(CT)		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:					
	NR	NR	Telephone system, Internet Web sites, Kiosks	Internet Web sites, 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			TRANSCOM NJ TMAs (construction and incident data) Media (incident data via telephone call) SmartRoute (construction and incident data) Metro Traffic (incident via telephone call)		

	Now Jorsov High	nway 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,		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,	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,
Archived by your agency	Highway operations coordination information	NR	Highway operations coordination information 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
	Traffic volumes	NR	Highway operations coordination information	Highway operations coordination information

NR State DOT personnel, Fede		Traffic volumes, Lane occu Ramp queues, Ramp mete rate, Intermodal (air, rail, w Universities, Federal DOT	r preemption's, Metering ater) connections
NR		Ramp queues, Ramp mete	r preemption's, Metering
NR		Vehicle classification	
Scheduled work zones, Em	nergency/evacuation routes	(snow emergency, etc.), W Incidents, Current work zor zones, Emergency/evacua	eather conditions, nes, Scheduled work tion routes and procedure
Weather conditions, Incidents, Current work zones, Scheduled work zones	NR	NR	NR
1333	2003	1999	2003
		New Jersey Turnpike Authority(NJ) 1999 2005	
-	1999 Weather conditions, Incidents, Current work zones, Scheduled work zones Weather conditions, Incide Scheduled work zones, Err and procedures, Highway of information	Weather conditions, Incidents, Current work zones, Scheduled work zones NR Weather conditions, Incidents, Current work zones, Scheduled work zones, Emergency/evacuation routes and procedures, Highway operations coordination information	1999       2005       1999         Weather conditions, Incidents, Current work zones, Scheduled work zones       NR       NR         Weather conditions, Incidents, Current work zones, Scheduled work zones, Emergency/evacuation routes and procedures, Highway operations coordination information       Traffic speeds, Road condi (snow emergency, etc.), W Incidents, Current work zones, Emergency/evacuation routes and procedures, Highway operations coordination

	New Jersey Hig	hway Authority(NJ)	New Jersey Turnpike Authority(NJ)	
Agency Name	1999	2005	1999	2005
What is the data used for?				
	Traffic analysis, Construct	tion impact determination, on algorithm development,		tion impact determination, ct analysis, Dissemination to
	Roadway impact analysis		the public	
Methods used to disseminate freeway information to the public	i todanaj impaot analjele			
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	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-mai 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				
Methods used to distribute incluent location and sevenity information				

	New Jerse	New Jersey Highway Authority(NJ)		New Jersey Turnpike Authority(NJ)	
Agency Name	1999	2005	1999	2005	
Technologies your agency uses to disseminate:					
				il Telephone system, E-ma	
			or other direct PC	or other direct PC	
Technologies your agency (through another agency or org.) uses to disseminate:	NR	NR	communication	communication	
rechnologies your agency (through another agency of org.) uses to disseminate.					
				Dedicated cable TV,	
				Telephone system,	
				Internet Web sites, Page	
				or personal data	
				assistants, E-mail or othe direct PC communication	
	NR	NR	NR	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					
			Transcom		
	NR		Metro Traffic Shadow Traffic		

	New York State DOT-	New York State DOT-Hudson Valley Region 8		New York State DOT-Long Island Region 10	
Agency Name	1999	2005	1999	2005	
gency Returned Survey?	Yes		Yes		
reeway Management Section					
Data collected, archived, and/or transferred to another agency					
Collected 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,			
	Road conditions, Weather	Emergency/evacuation	Traffic volumes, Traffic		
	conditions, Incidents,	routes and procedures,	speeds, Current work		
	Current work zones,	Highway operations	zones, Incidents,		
	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	routes and procedures,	speeds, Current work		
	work zones, Scheduled	Highway operations	zones, Incidents,		
	work zones	coordination information	Scheduled work zones	NR	

	New York State DOT	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,	
mportance of making information available to the public	Scheduled work zones	coordination information	Scheduled work zones	NR
Ranked High				
rankeu riigit				
	Traffic speeds, Road con	ditions, Route designations		
	(snow emergency, etc.),			
	Incidents, Current work z			
	zones, Intermodal (air, ra Emergency/evacuation ro		Traffic speeds, Current wo	rk zanag Ingidanta
	Highway operations coord		Scheduled work zones	irk zones, incluents,
Ranked Medium				
	Traffic volumes, Lane oc	cupancy	NR	
Ranked Low		oupunoy		
	Vehicle classification, Pro Ramp meter preemption	bbe vehicles, Ramp queues,	Traffic volumes	
Groups that make requests for the data				
· · · · · · · · · · · · · · · · · · ·	State DOT personnel Ma	edia (I.e., TV stations, radio	Universities, State DOT pe	reannal Madia (La T)
	stations), MPOs, Advanc		stations, radio stations), C	
	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?				
Mathada waad ta diagominata fragway information to the mublic	Planning, Dissemination to	the public	Traffic analysis, Planning	, Dissemination to the publi
Methods used to disseminate freeway information to the public				
Technologies your agency uses to disseminate:				
	or personal data	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	Facsimile	Internet Web sites
Technologies your agency (through another agency or org.) uses to disseminate:				
	Telephone system, Internet Web sites, Pagers or personal data assistants, Kiosks		Dedicated cable TV, Internet Web sites	NR
nternet 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				

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

2005       Yes       Traffic       Cupancy,       speeds, Lane occupancy,       Vehicle classification,       Ramp       Probe vehicles, Ramp       queues, Route       designations (snow       , Weather	Palisades Interstate Park Commission  1999 2005
Traffic Traffic volumes, Traffic cupancy, speeds, Lane occupancy, titon, Vehicle classification, Ramp Probe vehicles, Ramp queues, Route ow designations (snow , Weather emergency, etc.), Weather	
Traffic Traffic volumes, Traffic cupancy, speeds, Lane occupancy, titon, Vehicle classification, Ramp Probe vehicles, Ramp queues, Route ow designations (snow , Weather emergency, etc.), Weather	
cupancy, speeds, Lane occupancy, tition, Vehicle classification, Ramp Probe vehicles, Ramp queues, Route ow designations (snow , Weather emergency, etc.), Weather	
cupancy, speeds, Lane occupancy, tition, Vehicle classification, Ramp Probe vehicles, Ramp queues, Route ow designations (snow , Weather emergency, etc.), Weather	
cupancy, speeds, Lane occupancy, tition, Vehicle classification, Ramp Probe vehicles, Ramp queues, Route ow designations (snow , Weather emergency, etc.), Weather	
ons Highway operations zones, S	s, Current work Scheduled work
rmation         coordination information         zones           Traffic         Traffic volumes, Traffic speeds, Vehicle         Traffic	NR
	bbe classification, Probe ueues, vehicles, Ramp queues, ns (snow Route designations (snow , Weather emergency, etc.), Weather

	New York State	Thruway Authority	Palisades Interstate Park Commission			
Agency Name	1999 2005					
Transferred to another agency by your agency				2005		
	Traffic speeds, Probe vehicles, Ramp queues, Route designations (snow emergency, etc.), Weathe conditions, Incidents, Current work zones, Scheduled work zones, Emergency/evacuation routes and procedures, Highway operations coordination information	r emergency, etc.), Weather conditions, Incidents, Current work zones, Scheduled work zones, Emergency/evacuation routes and procedures, Highway operations	NR	NR		
nportance of making information available to the public						
Ranked High	designations (snow emerg	ent work zones, Scheduled vacuation routes and	Incidents			
Ranked Medium	internation		Incidents			
	NR		Current work zones, Scheduled work zones			
Ranked Low						
	Troffic volumes Mehicles	location	ND			
Groups that make requests for the data	Traffic volumes, Vehicle c	100011011	NR			
	Universities, State DOT pe stations, radio stations), M Advanced Traveler Inform	IPOs, Consultants,	State DOT personnel, Me stations)	State DOT personnel, Media (I.e., TV stations, rad		

	New York State	Thruway Authority	Palisades Interstate Park Commission		
Agency Name	1999	2005	1999	2005	
What is the data used for?		•		•	
	Traffic analysis, Constructi	on impact determination,	1999 Planning, Dissemination to Telephone system, Pagers or personal data assistants		
	Planning, Incident detection	n algorithm development,			
	Roadway impact analysis,	Dissemination to the public	Planning, Dissemination to	the public	
lethods used to disseminate freeway information to the public					
Technologies your agency uses to disseminate:					
			Telephone system,		
	Telephone system,	Telephone system,			
		Internet Web sites, Kiosks		NR	
Technologies your agency (through another agency or org.) uses to disseminate:					
		Internet Web sites, Pagers			
	Pagers or personal data	or personal data			
	assistants, Kiosks,	assistants, Kiosks,			
	Facsimile	Facsimile	NR	NR	
nternet web site reporting freeway conditions					
	www.thruway.state.ny.us		ND		
Felephone system for reporting freeway information to the public	1-800-Thruway				
Drganizations your agency sends information for dissemination to the public	1-800-Thidway		201.700.0001		
riganizations your agency senas mormation for dissemination to the public					
	Transcom		TRANSCOM		
Freeway Incident Management Section					
Methods used to distribute incident location and severity information					
to the public					

	New York	State Thruway Authority	Palisades Interstate Park Commission			
Agency Name	1999	2005	1999	2005		
Technologies your agency uses to disseminate:						
	NR     NR     Telephone system, Pagers or personal data assistants       NR     NR     assistants       NR     NR     NR       NR     NR     NR					
	NR	NR	assistants	NR		
Technologies your agency (through another agency or org.) uses to disseminate:						
	NR	NR	NR	NR		
ternet web site reporting incident information						
	ND		ND			
elephone system for reporting incident information to the public						
rganizations your agency sends information for dissemination to the public			201.700.0001			
	NR		Transcom			

		Transcom
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

	Tran	
Agency Name	1999	2005
Transferred to another agency by your agency	1333	2003
Importance of making information available to the public	NR	NR
Ranked High		
	NR	
Ranked Medium		
Desked Law	NR	
Ranked Low		
Groups that make requests for the data	NR	
	NR	

	Tra	nscom
Agency Name	1999	2005
What is the data used for?		
	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		
	NR	
Freeway Incident Management Section		
Freeway Incident Management Section Methods used to distribute incident location and severity information		

1999 agers or personal data ssistants, Kiosks	2005 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
	Telephone system, Internet Web sites, Pager or personal data assistants, Interactive TV, Kiosks, E-mail or other direct PC communication, In-vehicle navigation
	Telephone system, Internet Web sites, Pager or personal data assistants, Interactive TV Kiosks, E-mail or other direct PC communication In-vehicle navigation
R	NR
R	
R	
R	R

Appendix F Arterial Management Components

	Babylo	on Town	Bayonne	e City(NJ)	Bergen County(NJ)		Bridgepo	rt 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	

	Babylon Town Bayonne City(NJ)			Bergen County(NJ)					
		on Town			1999 2005		Bridgeport City(CT)		
	1999	2005	1999	2005	1999	2005	1999	2005	
Describe agency's role in traffic signal control		county except routes	State ro	utes only	area exce	incorporated pt state and y routes	All roads	s 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									
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		No		No		
Using SCATS	No		No		No		No		
Name of software	1	NR	Ν	İR	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?	1	NR	19	998	WAPITI 49A 1999		11/98 Y2K patches		
How often do you update signal timing?	ADT's to IT	E Handbook		as needed tate	3 years or when construction warrants it		as needed basis		
Software used and number of signalized intersections under control (1999, 2005)	, i	NR	Peek CL MATS, 0, 27 PEEK SMARTWAYS, 17, 0 PEEK SMARTWAYS, 17, 0		Eagle Comtrac, 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	

		_			Bergen County(NJ)			
	Babylo 1999	on Town 2005	Bayonne 1999	e City(NJ) 2005	Bergen C 1999	2005	Bridgepo 1999	ort City(CT) 2005
Total number of highway-rail intersections under electronic surveillance	NR	2005 NR	NR	2005 NR	NR	2005 NR	0	2005
Highway-Rail intersection capabilities	INK		INIX		INIX	INT	0	
Video surveillance	0	0	0	0	0	0	0	3
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
	0	0	U	0	0	0	0	
Real-Time Electronic Traffic Data Collection Technologies	NR	NR	NR	NR	NR	30	200	500
Total number of signalized intersections covered by electronic surveillance	INK	INK	INR	INK	INR	30	200	500
Number of signalized intersections with data collection technologies	0	0	0	0	NR	20	200	500
Loop detectors	0	0	0	0	NR	20		200
Video detection cameras	0	0	0	0	NR 0	0	85 0	200
Probe readers reading toll tags	÷	÷	-	-	÷	Ŧ	-	Ű
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								<b></b>
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								<u> </u>
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								<b></b>
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								
status to travelers via roadside media such as VMS or HAR?	No		No		No		No	
TS 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	

		-	_	<u> </u>	Bergen County(NJ)			
		on Town		e City(NJ)				ort City(CT)
Would exercise to units acts in testing of ITO Standards?	1999	2005	1999 Xaa	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	NI-		No		No		N	───
and software to aid maintenance and interoperability? INCIDENT MANAGEMENT ON ARTERIAL STREETS	No		Yes		Yes		Yes	
								───
Receive information on highway-rail intersection crossing blockages for the purpose of managing incident response?	No		No		No		Yes	<u> </u>
Use of Service Patrols to Assist in Detection and Response to Incidents	INU		INO		INO		res	+
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	INIK	INFK	INFX	NK.	INK	INIK	U	00
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?		Ŭ	ů	<u> </u>			200	
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	<u> </u>
			-					
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								<u> </u>
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	
Fire			I					
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	<u> </u>
Other	No		No		No		Yes	+

	Babylo	on Town	Bayonne	e City(NJ)	Bergen C	ounty(NJ)	Bridgepo	ort City(CT)
	1999	2005	1999	2005	1999	2005	1999	2005
DOT								
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	1
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								1
is "in charge" at the incident scene?								1
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	on Town	Bayonn	e City(NJ)	Bergen County(NJ)		Bridgeport 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	
s 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								
eg: Legislation or action being planned								

	Clifton	City(NJ)		Department of tation(CT)	East Oran	ge City(NJ)	Elizabet	th 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	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	

Clifton	City(NLI)	Connecticut Department of Transportation(CT)		Fast Orange City(NJ)		Elizabeth City(NJ)	
	1						2005
1	NR			NR		Ν	NR
NR	NR	291	NR	NR	NR	NR	NR
NR	NR	0	NR	NR	NR	NR	NR
	155	291	NR	530	540	425	500
		-				-	
124	155	0	NR	518	528	15	25
		-					0
		No		-		No	
No		No		No		No	
1	NR	Ν	IR	NR		NR	
0	NR	NR	NR	5	9	425	500
0	NR	NR	NR	0	NR	20	100
1	1	NR	NR	25	NR	20	25
1	1	NR	NR	25	NR	20	25
1	NR	8/	99	NR		NR	
1	NR	all th	e time	I	NR	NR	
1	NR	COMPUTRAN, 291, NR		NR		NR	
0	0	291	NR	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
	1999 1999 NR NR 139 124 0 No No No 1 1 1 1 1 1 1 1 1 1 1 1 1	NR         NR           NR         NR           NR         NR           NR         NR           139         155           139         155           124         155           0         NR           124         155           0         NR           NR         NR	1999       2005       1999         NR       NR       All roads in ar         NR       NR       291         NR       NR       291         NR       NR       291         NR       NR       291         139       155       291         124       155       0         124       155       0         No       NR       NR         No       NO       NO         NR       NR       NR         0       NR       NR         1       1       NR         1       1       NR         0       NR       All roads in ar         0       NR       NR         1       1       NR         1       1       NR         1       1       NR         0       NR       all th         0       0       0         0       0       0         0       0	1999         2005         1999         2005           NR         All roads in incorporated area         All roads in incorporated area           NR         NR         291         NR           NR         NR         291         NR           NR         NR         0         NR           139         155         291         NR           139         155         291         NR           0         NR         NR         NR           124         155         0         NR           0         NR         NR         NR           1         1         NR         NR           1         1         NR         NR           1         1         NR         NR           1         1         NR         NR           NR         all the time         NR           NR         COMPUTRAN, 291, NR         NR           0	1999         2005         1999         2005         1999           NR         All roads in incorporated area	1999         2005         1999         2005         1999         2005           NR         All roads in incorporated area         NR         NR         NR         NR           NR         NR         291         NR         NR         NR           NR         NR         291         NR         NR         NR           NR         NR         0         NR         NR         NR           139         155         291         NR         530         540	1999         2005         1999         2005         1999         2005         1999           NR         All roads in incorporated area         NR         NR         NR         NR         NR         NR           NR         NR         291         NR         NR         NR         NR         NR           NR         NR         291         NR         NR         NR         NR           NR         NR         0         NR         NR         NR         NR           139         155         291         NR         530         540         425           124         155         0         NR         518         528         15           0         NR         NR         NR         0         NO         NO           No         No         No         No         NO         NO         NO           0         NR         NR         NR         0         NR         20           1         1         NR         NR         25         NR         20           1         1         NR         NR         25         NR         N           NR         All the time

	Clifton	City(NJ)	Connecticut Department of Transportation(CT)		East Oran	ge City(NJ)	Elizabe	h 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
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	NR	NR	NR	NR	NR	NR	NR	NR
Number of signalized intersections with data collection technologies								
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	10							
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	0	0	231	0	0	0	0	0
status to travelers via roadside media such as VMS or HAR?	No		No		No		No	
ITS Standards Used Related to Traffic Signal Control	INU		INU		INU		NU	
Advanced Transportation Controller (ATC) Software Application Interface (ITE 9603-1)	No		No		No		No	
Advanced Transportation Controller (ATC) Software Application Interface (TE 9005-1) 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	
Nati. Trans. Communications for TTS Protocol (NTCIP) Class B Profile (AASHTO TS 3.3) NTCIP Data Collection and Monitoring Devices (AASHTO TS 3.DCM)	NO		NO		NO		NO	
	NO		NO		-		NO	
NTCIP Object Definitions for Video Camera Control (AASHTO TS 3.VCC)	-		-		No		-	
NTCIP Object Definitions for Actuated Traffic Signal Controller Units (AASHTO TS 3.5)	No		No		No		No	

			Connecticut	Department of				
	Clifton	City(NJ)		tation(CT)	East Oran	ge City(NJ)	Elizabet	h City(NJ)
	1999	2005	1999	2005	1999	2005	1999	2005
Would agency be willing to participate in testing of ITS Standards?	NR		No		NR		NR	
Have agreements in place with other agencies to use similar hardware								
and software to aid maintenance and interoperability?	NR		Yes		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	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	
_Fire								
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	

	Clifton	City(NJ)		Department of tation(CT)	East Oran	East Orange City(NJ)		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)		h 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								1
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	Town(CT)	Hudson C	county(NJ)
	1999	2005	1999	2005	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes		Yes		Yes	
	165		165		165		165	
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	

		- (0)		. –		- (0)		o
	1	Town(CT)	Î	irgh Town		Town(CT)	1	County(NJ)
	1999	2005	1999	2005	1999	2005	1999	2005
Describe agency's role in traffic signal control	State ro	outes only		nals on state ned roadways		I roads in county except state routes		incorporated t 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	200			100	20	10	200	
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	Ŭ	No		No	Ŭ	No	
Using SCATS	No		No		No		No	
Name of software	-	NR.	-	IR III	NR		-	NR
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								1
Date of last upgrade to traffic signal control system software?	1	NR	no central	software yet	Will be upgr	ading this fall	19	998
How often do you update signal timing?		nually, adjust propriate	ann	ually	Never H	Have Yet	once	a year
Software used and number of signalized intersections under control (1999, 2005)	Tracone	t, 225, NR	٨	IR	ARIES, 29, NR ZONE MONITOR III, 24, NR		BiTrans Quid	cNet 4, 85, NR
Controllers used to control signals			1		1		1	
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

	Fairfield	Town(CT)	Greenbu	urgh Town	Greenwich	n Town(CT)	Hudson (	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			1					
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								1
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	00	100	Ŭ	20	Ű	10	10	Ŭ
status to travelers via roadside media such as VMS or HAR?	No		No		No		No	
TS 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.DCM)	No		No		No		No	
	-		-		-			
NTCIP Object Definitions for Actuated Traffic Signal Controller Units (AASHTO TS 3.5)	No		No		No		No	

	Fairfield	Town(CT)	Greenhu	ırgh Town	Greenwich	Town(CT)	Hudeon	County(NJ)
	1999	2005	1999	2005	1999	2005	1999	2005
Would agency be willing to participate in testing of ITS Standards?	No	2000	No	2000	Yes	2000	Yes	2000
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	
Fire								
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	urgh Town	Greenwich	n Town(CT)	Hudson (	County(NJ)
	1999	2005	1999	2005	1999	2005	1999	2005
DOT								
Two-way radio	No		No		No		No	
800 MHz trunked radio	No		No	1	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	1	No		No	
Emergency Management Service Agency	No		No	1	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 Town(CT)		Greenbu	Greenburgh Town		Town(CT)	Hudson (	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	
Is 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	Jersev	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	

escribe agency's role in traffic signal control	1999 All roads in	on County 2005	Jersey 1999	City(NJ) 2005	Middlesex 1999	County(NJ) 2005	Mount Ve 1999	ernon City 2005
escribe agency's role in traffic signal control	All roads in		1999	2005	1999	2005	1999	2005
escribe agency's role in traffic signal control		incorporated						
		t state routes	Ν	IR	1	NR	Ν	R
raffic 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							-	-
Jnder closed loop or central system control	142	160	253	260	0	25	0	10
Jnder 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	1	NR	Ν	IR	NR		N	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
Nithin 200 feet of a highway-rail intersection	5	5	2	2	10	10	0	0
Nithin 200 feet of a highway-rail intersection that adjust signal timing	3	3	2	2	10	10	0	0
oftware used to control the signals agency operates								
Date of last upgrade to traffic signal control system software?	1	994	Ν	IR	1	NR	Ν	IR
How often do you update signal timing?	sel	ldom	Ν	IR	1	NR	Ν	R
Software used and number of signalized intersections under control (1999, 2005)		uickNet, 150, I70	NR		NR		N	R
ontrollers 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

	Hunterdo	on County	Jersey	City(NJ)	Middlesex	County(NJ)	Mount V	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	1		1	1	1			
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 3.500)	No	1	No		No		No	

	Hunterd	on County	Jersey	City(NJ)	Middlesex	County(NJ)	Mount V	ernon 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	
NCIDENT 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	1	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	1	No		No	
Automated data systems (i.e., CAD)	No		No	1	No		No	
Other	No	1	No		No		No	
Fire								
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	

	Hunterd	on County	Jersev	City(NJ)	Middlesex County(NJ)		Mount Vernon City	
	1999	2005	1999	2005	1999	2005	1999	2005
DOT								1
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	

	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)	New Jersey Highway Authority(NJ)		New Ro	chelle 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	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	

	Nassa	u County		Department of rtation(NJ)		ey Highway brity(NJ)	New Roc	chelle City		
	1999	2005	1999	2005	1999	2005	1999	2005		
Describe agency's role in traffic signal control		incorporated t state routes	٩	١R	NR		Ν	IR		
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	.,	.,			-		-			
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	Ŭ	No	Ŭ	No		No			
Using SCATS	No		No		No		No			
Name of software	1	NR	NR			NR	N	IR		
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?	19	990	١	NR	1	NR	Ν	IR		
How often do you update signal timing?		ly, based on plaints	1	NR	I	NR	Ν	IR		
Software used and number of signalized intersections under control (1999, 2005)		N MTCS, 687, 300	NR		ſ	NR		NR		IR
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								L		

	Nassa	u County	New Jersey Department of Transportation(NJ)		New Jersey Highway Authority(NJ)		New Ro	chelle 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	Ŭ	<u> </u>		, , , , , , , , , , , , , , , , , , ,	0	Ŭ		
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	

		u County	Transpor	Department of rtation(NJ)	Author	ey Highway rity(NJ)	New Rochelle 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								1
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	
Fire								
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 Ro	chelle 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	New Jersey Department of Nassau County 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		City DOT for County		State DOT- ley Region 8		ate DOT-Long 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	

		k City DOT	Queens	New York City DOT for Queens County 1999 2005		State DOT- lley Region 8	Island F	ate DOT-Long Region 10
	1999	2005	1999	2005	1999	2005	1999	2005
Describe agency's role in traffic signal control	All roads	in county	Ν	IR	,	NR	State ro	outes 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	Ν	İR	NR		١	NR
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	80, 1999	N	IR	1	NR	Onę	going
How often do you update signal timing?	Almo	st Daily	N	IR	1	NR	They are on	a 2 year cycle
Software used and number of signalized intersections under control (1999, 2005)		and VxWorks, , 8,200	Ν	IR	NR		SCOOT/SCAT/RT, N 100 Closed Loop, 300, 2 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

	New Yor	k City DOT		City DOT for s County		State DOT- lley Region 8		ate DOT-Long Region 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	0	10						
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		21	00	00		01		
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	5200	3010	0	0	0	0	200	500
status to travelers via roadside media such as VMS or HAR?	No		No		No		No	
ITS Standards Used Related to Traffic Signal Control	INO		NO		NO		NO	
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 3.0CM)	No		NO		No		No	
NTCIP Data Collection and Monitoring Devices (AASHTO TS 3.DCM) NTCIP Object Definitions for Video Camera Control (AASHTO TS 3.VCC)	NO		NO		No		No	
	Yes		NO		No			
NTCIP Object Definitions for Actuated Traffic Signal Controller Units (AASHTO TS 3.5)	res		INO		INO		No	

	New Yor	k City DOT		City DOT for s County	New York State DOT- Hudson Valley Region 8			ate DOT-Long Region 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	_	1	1	ļ			4	
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	
Fire								
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 Yor	k City DOT		City DOT for County		State DOT- ley Region 8		ate DOT-Long Region 10
	1999	2005	1999	2005	1999	2005	1999	2005
DOT								
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	<u>k</u> City DOT		City DOT for s County		State DOT- ley Region 8		ate DOT-Long Region 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								

		State DOT- ion 11	Nowork	City(NJ)	Norwalk	City(CT)	Occar C	County(NJ)
	1999	2005	1999	2005	1999	2005	1999	2005
	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)	Norwalk	c City(CT)	Ocean C	ounty(NJ)
	1999	2005	1999	2005	1999	2005	1999	2005
Describe agency's role in traffic signal control	1	NR	٢	IR	٩	١R	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								
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		No	Ŭ	No	Ŭ	No	
Using SCATS	No		No		No		No	
Name of software		NR	N	NR	N	NR	N	IR
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?	١	NR	١	NR	٩	NR	N	IR
How often do you update signal timing?	٦	NR	١	IR	٢	NR	N	IR
Software used and number of signalized intersections under control (1999, 2005)	1	NR	Ν	IR	NR		N	IR
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								1

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		State DOT- ion 11	Newark	City(NJ)	Norwalk	Citv(CT)	Ocean (	County(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	
 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-						
		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		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?								1
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								1
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	

		State DOT- on 11	Newark	City(NJ)	Norwalk	City(CT)	Ocean 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	
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	Somerse	et County	Stamfor	d 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	

	Damana		Cresitiate	wn Town	Comoro	at Causti	Chamfan	
	1999	Town(NJ) 2005	1999	2005	1999	et County 2005	1999	d City(CT) 2005
Describe agency's role in traffic signal control	Operate s roads in the area of and	ignals on all unincorporated villages except routes.	Operate a signals on Maintain sigr road and vehicles p system on	nd maintain town roads. hals on county emergency ore-emption state roads of Smithtown.		outes only		NR
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								
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		No	-
Using SCATS	No		No		No		No	
Name of software		NR	Ν	IR	١	IR	١	NR
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	١	NR
How often do you update signal timing?	grour	nd loops	as neo	cessary	two	years	٢	NR
Software used and number of signalized intersections under control (1999, 2005)		NR	-	tem Software, NR	Peek Closed Loop Mats, 15, 20 PEEK SMARTWAYS, 90, 115		٦	NR
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

	Ramapo Town(NJ) Smithtown Town							
				-		et County		rd City(CT)
Total number of highway rail interportions under electronic surveillance	1999 NR	2005 NR	<b>1999</b> 2	2005 NR	<b>1999</b> 5	2005 25	1999 NR	2005 NR
Total number of highway-rail intersections under electronic surveillance	INR	INK	2	INF	5	20	INF	
<u>Highway-Rail intersection capapbilities</u> Video surveillance	0	0	0	0	5	25	0	0
Electronic surveillance other than video	0	0	0	0	5 0	25 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					100	115		
otal number of signalized intersections covered by electronic surveillance	NR	NR	NR	NR	100	115	NR	NR
Number of signalized intersections with data collection technologies								<u> </u>
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
/ariable 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								1
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	
TS Standards Used Related to Traffic Signal Control								
Advanced Transportation Controller (ATC) Software Application Interface (ITE 9603-1)	No		No	1	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 Data Collection and Monitoring Devices (AASHTO TS 3.DCM) 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.VCC)	No		No		No		NO	-

	D		0		0	t Court	01	
	1999	Town(NJ)	1999	wn Town 2005	1999	et County 2005	1999	d City(CT) 2005
Would agency be willing to participate in testing of ITS Standards?	Yes	2005	Yes	2005	Yes	2005	NR	2005
Have agreements in place with other agencies to use similar hardware	Tes		165	-	165			
and software to aid maintenance and interoperability?	No		Yes		No		NR	
INCIDENT MANAGEMENT ON ARTERIAL STREETS	NO		163		INO			
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	110		110		100		110	
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	1	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			110		110		110	
Police								
	Yes		No		Yes		No	
Two-way radio			-				-	
800 MHz trunked radio	No		No		No		No	
Cellular telephone	No No		No		Yes Yes		No	
Hand-held (i.e., walkie-talkie)	NO		No No		Yes		No No	
Automated data systems (i.e., CAD) Other	NO		NO		Yes		NO	
	INU		INU		res		INU	
<u>Fire</u>								
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	

	Ramapo	Town(NJ)	Smithto	wn Town	Somerse	et County	Stamfor	d City(CT)
	1999	2005	1999	2005	1999	2005	1999	2005
DOT								
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	
Nhich 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	
Nho 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	
s 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	

		<b>T</b> (11)	0.111	-				
		Town(NJ)		wn Town		et County	1	d City(CT)
Deserveur state er lessi inriedistion have a laur that requires drivers	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	N -				ND		ND	
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	ter County	То	tals
	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	

	Union Citv	- New Jersey	Warrer	n County	Westches	ster County	Totals	
	1999	2005	1999	2005	1999	2005	1999	2005
Describe agency's role in traffic signal control		NR	County r	outes only	on county ro	Traffic Signals ads, scattered nunicipalities.		
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		NR	١	NR	١	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?	l	NR	١	NR	19	994		
How often do you update signal timing?		NR	١	IR		plaints from orists		
Software used and number of signalized intersections under control (1999, 2005)		NR	٦	IR	Quicknet 4/N 0, NYSDOT TA 32 Modified UTC	iware, 40, 10 AIST or Equal, .36 .PS Firmware, ., 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

Union City	- New Jersey	Warren County		Westchester County		То	tals
1999	2005	1999	2005	1999	2005	1999	2005
0	NR	NR	NR	NR	NR	20	42
0	0	0	0	0	0	5	28
0	0	0	0	0	0	0	0
0	0	0	0	0	0	15	13
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
NR	NR	NR	NR	15	36	1,085	1,975
0	0	0	0	15	36	1,062	1,764
0	0	0	0	0	0	108	366
0	0	0	0	0	0	0	50
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
	-		-		-	-	-
NR	NR	NR	NR	NR	NR	32	45
NR	NR		NR		NR	-	0
						0	5
						•	<u> </u>
0	NR	NR	NR	NR	NR	143	226
-						0	10
Ű						•	10
0	NR	NR	NR	1	3	232	264
-					-	-	285
Ű				-	ů	100	200
0	0	0	0	15	15	2 319	1.870
-	-	-	-	-	-		2,801
		-	-	-	-		1.845
÷	÷	÷	÷		-	÷	6.199
	Ű			0	21	0,000	0,100
No		No		No		0	
110		110		110		0	
No		No		No		1	
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-		-		-		-	
INU INU		INU				· · ·	
	1999 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0         NR           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         NR           NR         NR           NR         NR           NR         NR           NR         NR           0         0           0         0           0         0           0         0           0         0           0         0           0	1999         2005         1999           0         NR         NR           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         NR         NR           NR         NR         NR           0         NR         NR           0         NR         NR           0         NR         NR           0	1999         2005         1999         2005           0         NR         NR         NR           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         NR         NR         NR           NR         NR         NR         NR           NR         NR         NR         NR           0         NR         NR         NR           0         NR         NR         NR	1999         2005         1999         2005         1999           0         NR         NR         NR         NR           0         0         0         0         0           0         0         0         0         0           0         0         0         0         0           0         0         0         0         0           0         0         0         0         0           0         0         0         0         0           0         0         0         0         0           0         0         0         0         0           0         0         0         0         0           0         0         0         0         0           0         0         0         0         0           0         0         0         0         0           0         NR         NR         NR         NR           NR         NR         NR         NR         NR           NR         NR         NR         NR         NR           NR         NR         NR	1999         2005         1999         2005         1999         2005           0         NR         NR         NR         NR         NR         NR           0         0         0         0         0         0         0         0           0         0         0         0         0         0         0         0           0         0         0         0         0         0         0         0           0         0         0         0         0         0         0         0           0         0         0         0         0         0         0         0           0         0         0         0         0         0         0         0           0         0         0         0         0         0         0         0           0         0         0         0         0         0         0         0           0         0         0         0         0         0         0         0           0         0         0         0         0         0         0         0           0 <td>1999         2005         1999         2005         1999         2005         1999           0         NR         NR         NR         NR         NR         NR         20           0         NR         NR         NR         NR         NR         NR         20           0         0         0         0         0         0         0         5           0         0         0         0         0         0         0         0           0         0         0         0         0         0         0         0           0         0         0         0         0         0         0         0           0         0         0         0         0         0         0         0           0         0         0         0         0         0         0         0       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	Union City	- New Jersey	Warre	n County	Westches	ster County	То	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					110			
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	
Fire								
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			Westchester County			tals
207	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	
<u>Towing</u>								
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	
Nho 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	
s the Incident Command System used to manage incident scenes?	NR		No		NR		2	
s 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	

	1				1		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	ylon 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				
	None listed	None listed	None listed	None listed
Coordinate Operation				
	None listed	Nama listad	Name Kated	None listed
Insident Management Agencies	None listed	None listed	None listed	None listed
Incident Management Agencies				

	В	Babylon Town	Ba	yonne 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
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				
	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

	B	abylon Town	Ва	yonne 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	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	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

	В	abylon Town	Bay	onne 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	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	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

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

	Berg	gen County(NJ)	Brid	geport 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				
<u>conditions information, share infrastructure or coordinates operation</u>				
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				

	Berg	gen County(NJ)	Bric	Bridgeport City(CT)		
Agency Name	1999	2005	1999	2005		
Provide Information						
	Niewe Beterd	Nama Katad	Niewe Keterl	Niewe Keterl		
Share Infrastructure	None listed	None listed	None listed	None listed		
Share mindshuckure						
	None listed	None listed	None listed	None listed		
Coordinate Operation						
	Niewe Beterd	Nama Katad	Niewe Keterl	Niewe Keterl		
Public Transit Operators 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		
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						
	None listed	None listed	None listed	None listed		

	Berg	gen County(NJ)	Brid	geport City(CT)
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				None listed
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				
	Nama lista d	Nama Kata d	None list	Nama Kat-d
Share Infrastructure	None listed	None listed	None listed	None listed
	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	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					
Theory management ageneres non miner your agency receives					
freeway travel times, speeds, and conditions	None listed	None listed	None listed	None listed	

\*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 Depa	rtment 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				
<u>conditions information, share infrastructure or coordinates operation</u>				
Freeway Management Agencies				
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure				
		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				

	Cli	ifton 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				
	N 4 mm	Oslitarian District 4	Oslitara District 4	Nama Katad
Public Transit Onerators Amonsias	Muni	Caltrans District 4	Caltrans District 4	None listed
Public Transit Operators Agencies Provide Information				
		Bay Area Rapid Transit District, San Mateo	Santa Clara County	
	AC Transit, Muni	County Transit District	Transit	None listed
Share Infrastructure				
			Santa Clara County	
	None listed	Muni	Transit	None listed
Coordinate Operation				
·		AC Transit, Bay Area		
		Rapid Transit District,		
		Muni, San Mateo County	Santa Clara County	
	None listed	Transit District	Transit	None listed
Arterial Management Agencies				
Provide Information				
			Coltrana District 1	
		Caltrans District 4,	Caltrans District 4, Fremont City, San Jose	
	None listed	TravInfo	City, Santa Clara County	None listed
Share Infrastructure			eng, cunta olara olaria	
			Coltropo District 4	
			Caltrans District 4, Fremont City, San Jose	
	None listed	Caltrans District 4	City, Santa Clara County	None listed
			Sity, Sunta Siara Sounty	

	CI	lifton City(NJ)	Connecticut Departme	Connecticut Department 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	Santa Clara County Transit	
Incident Management agencies from which your agency receives	inorie listeu			Tansit	
incident management agencies norm which your agency receives					
modelit olearance and of modelit severity, robation, and type mornation					
			Optimum District (		
Receive information on Incident Clearance	None listed	Caltrans District 4	Caltrans District 4, TravInfo	None listed	
	inorie listed	Califans District 4	Travillio	None listed	
				Oaltana District 4	
Dessive information on Insident Severity Leastion, and Type	None listed	Caltrans District 4	None listed	Caltrans District 4, TravInfo	
Receive information on Incident Severity, Location, and Type Toll Collection agencies from which your agency receives arterial travel	inorie listed	Califans District 4		Πανίπο	
Ton conection agencies from which your agency receives alterial traver					
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	

	С	lifton City(NJ)	Connecticut Department of Transportation(C	
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	None listed	Caltrans District 4	None listed
Public Transit Operators				
Provide Information				
	None listed	None listed	Santa Clara County Transit	None listed
Share Infrastructure				
	None listed	None listed	Santa Clara County Transit	None listed
Coordinate Operation				
	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

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

	East Ora	nge City(NJ)	Elizabeth 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				
conditions information, share infrastructure or coordinates operation				
Freeway Management Agencies				
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure				
		Caltrans District 4, Smart		
	Corridor Team	Corridor Team	None listed	None listed
Coordinate Operation				
		Caltrans District 4, Smart		
	None listed	Corridor Team	None listed	None listed
Incident Management Agencies				

	East Ora	ange City(NJ)	Elizabeth City(NJ)		
Agency Name	1999	2005	1999 2005		
Provide Information					
	None listed	Caltrans District 4	None listed	None listed	
Share Infrastructure					
	Smart Corridor Team	Caltrans District 4, Smart Corridor Team	None listed	None listed	
Coordinate Operation	Smart Comdor Team		None listed	None listed	
		Caltrans District 4, Smart			
	Smart Corridor Team	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	Santa Clara County			
	Santa Clara County Transit	Santa Clara County Transit	None listed	None listed	
Coordinate Operation					
		Santa Clara County			
	None listed	Transit	None listed	None listed	
Arterial Management Agencies					
Provide Information					
	Caltrans District 4, San Jose City, Campbell City	,			
	Milpitas City, Los Gatos	,			
	City	None listed	None listed	None listed	
Share Infrastructure		Caltrans District 4, San			
		Jose City, Campbell City,			
	San Jose City, Campbel				
	City, Milpitas City	City	None listed	None listed	

	East	Orange City(NJ)	Elizabeth 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				
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
Possive information on Incident Severity Leastion, and Type	None listed	None listed	None listed	None listed
Receive information on Incident Severity, Location, and Type <b>Toll Collection agencies from which your agency receives arterial travel</b>	None listed		None listed	None listed
ron conection 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	abort auriyay	None listed
Share Infractructure	None listed	None listed	short survey	
Share Infrastructure	None listed	None listed	None listed	None listed

	East	Orange City(NJ)	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				
Occurring to Occurring	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				
Emergency Management agencies from which your agency receives				
arterial incident clearance and/or arterial incident severity	Niewe Beterd	None Bated	a la auto a un cara	News Retail
Receive Arterial Incident Clearance Information	None listed	None listed	short survey	None listed
Receive Arterial Incident Severity Information	None listed	None listed	short survey	None listed
Arterial Management agencies from which your agency receives				
	News Retail	Norse Bate d	Niewe Beterd	Norra Ratad
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

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

	Fairfield	Town(CT)	Greenburgh 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	None listed	None listed	
conditions information, share infrastructure or coordinates operation				
Freeway Management Agencies				
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure	Washington State	Washington State		
	Department of	Department of		
	Transportation Northwest	Transportation Northwest		
	Region, Tacoma Fire	Region, Tacoma Fire		
	Department	Department	None listed	None listed
Coordinate Operation				
	Washington State	Washington State		
	Department of	Department of		
	Transportation Northwest	Transportation Northwest		
	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	Transportation Northwest		
		Region, Washington State		Arizona Department of
Share Infrastructure	Patrol	Patrol	None listed	Transportation
	Washington State	Washington State		
	Department of Transportation Northwest	Department of Transportation Northwest		
	Region, Washington State			
	Patrol	Patrol	None listed	None listed
Coordinate Operation	Washington State	Washington State		
	Department of Transportation Northwest	Department of Transportation Northwest		
		Region, Washington State		
	Patrol	Patrol	None listed	None listed
Public Transit Operators Agencies				
Provide Information				
	Pierce Transit, Washington State Ferries	Pierce Transit, Washington State Ferries	None listed	Regional Public Transportation Authority
Share Infrastructure		Washington State Ferries		
	Washington State Ferries	Washington State Ferries	None listed	None listed
Coordinate Operation				
		Pierce Transit,		
	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

	Fairfield	Town(CT)	Greenburgh Town	
Agency Name	1999 2005		1999 2005	
Coordinate Operation				
	Name Kated	Niewe Beterd	Nama Katad	Nama Katad
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				
reeway management agencies nom which your agency receives				
	Washington State	Washington State		
	Department of Transportation Northwest	Department of Transportation Northwest		
	Region, Washington State		Arizona Department of	Arizona Department of
freeway travel times, speeds, and conditions	Patrol	Patrol	Transportation	Transportation
Public Transit operators from which your agency receives				
······································				
			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			ranoportation rationaly	Transportation / lationty
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			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		
Receive information on Incident Severity, Location, and Type	Patrol	Patrol	None listed	None listed
Toll Collection agencies from which your agency receives arterial travel				
Ton concerter agencies nom which your agency recertes a tenar haven				
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

	Fai	rfield Town(CT)	Gre	enburgh 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				
	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				
				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				
				Arizona Department of
freeway travel times, speeds, and conditions	None listed	None listed	None listed	Transportation

\*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         1999         2005         1999         2005           Agency Name         Ves		Greenwich	n Town(CT)	Hudson County(NJ)	
Arterial Management Section       Image of the metropolitan area with which you share info.       Image of the 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       Greenwich Town(CT)       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       Image of the metropy of the state of the state of the metropy of the state of the metropy of the state	Agency Name	1999	2005	1999	2005
Atterial Mct. agencies in metropolitan area with which you share info.         Image is in metropolitan area with which you share info.         Image is information         Image is information <th< td=""><td>Agency Returned Survey?</td><td>Yes</td><td></td><td>Yes</td><td></td></th<>	Agency Returned Survey?	Yes		Yes	
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         Greenwich Town(CT)         None listed         None listed         None listed           Agencies your agency provides arterial travel times, speeds, and         Mone listed         None listed         None listed           Agencies your agency provides arterial travel times, speeds, and         Mone listed         None listed         None listed           Prowary Management Agencies         Imagenent Agencies         Imagenent Agencies         Imagenetics         Imagenetics           Provide Information         Imagenetics         Imagenetics         Imagenetics         Imagenetics         Imagenetics           Share Infrastructure         Kone listed         None listed         None listed         None listed         None listed           Share Infrastructure         None listed         None listed         None listed         None listed         None listed           Coordinate Operation         None listed         None listed         None listed         None listed         None listed	Arterial Management Section				
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         Greenwich Town(CT)         None listed         None listed         None listed           Agencies your agency provides arterial travel times, speeds, and         Image is the infrastructure or coordinates operation         Image is the infrastructure or coordinates operation         None listed         None listed         None listed           Freeway Management Agencies         Image is the infrastructure or coordinates operation         Image is the infrastructure of its the infrastructure         Image is the infrastructure of its the infrastructure         Image is the infrastructure         Image is the infrastructure of its the infrastructure         Image is the infrastructure of its	Arterial Mgt. agencies in metropolitan area with which you share info.				
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       Image: Conditions information, share infrastructure or coordinates operation       Image: Conditions information information       Image: Conditions information	Share Timing Plans Information				
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       Image: Conditions information, share infrastructure or coordinates operation       Image: Conditions information information       Image: Conditions information					
Greenwich Town(CT)     None listed     short survey     None listed       Turn over Control of Signals     None listed     None listed     None listed       Agencies your agency provides arterial travel times, speeds, and     Image: Conditions information, share infrastructure or coordinates operation     Image: Condition information, share infrastructure or coordinates operation     Image: Condition information, share infrastructure or coordinates operation     Image: Condition information, share infrastructure or coordinates operation     Image: Condition information, share infrastructure or coordinates operation     Image: Condition information, share infrastructure or coordinates operation     Image: Condition information, share infrastructure or coordinates operation     Image: Condition information, share infrastructure or coordinates operation     Image: Condition information, share infrastructure     Image: Condition inform		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     Image: Conditions information, share infrastructure or coordinates operation     Image: Conditions information     Image: Condition information     Image: Condition information     Image: Condition information     Image: Condition information     Image: Condition information     Image: Condition information     Image: Condition information     Image: Condition information     Image: Condition information     Image: Condition information     Image: Condition information     Image: Condition information     Image: Condition information     Image: Condition information information     Image: Condit	Coordinate Changes to Timing Plans				
Turn over Control of Signals     None listed     None listed     None listed     None listed       Agencies your agency provides arterial travel times, speeds, and     Image: Conditions information, share infrastructure or coordinates operation     Image: Conditions information     Image: Condition information     Image: Condition information     Image: Condition information     Image: Condition information     Image: Condition information     Image: Condition information     Image: Condition information     Image: Condition information     Image: Condition information     Image: Condition information     Image: Condition information     Image: Condition information     Image: Condition information     Image: Condition information information     Image: Condit					
Turn over Control of Signals     None listed     None listed     None listed     None listed       Agencies your agency provides arterial travel times, speeds, and     Image: Conditions information, share infrastructure or coordinates operation     Image: Conditions information     Image: Condition information     Image: Condition information     Image: Condition information     Image: Condition information     Image: Condition information     Image: Condition information     Image: Condition information     Image: Condition information     Image: Condition information     Image: Condition information     Image: Condition information     Image: Condition information     Image: Condition information     Image: Condition information information     Image: Condit					
None listed         None listed         None listed         None listed         None listed         None listed         None listed         None listed           Agencies your agency provides arterial travel times, speeds, and 		Greenwich Town(CT)	None listed	short survey	None listed
Agencies your agency provides arterial travel times, speeds, and       Image: Ima	Turn over Control of Signals				
Agencies your agency provides arterial travel times, speeds, and       Image: Ima		None listed	None listed	None listed	None listed
	Agencies your agency provides arterial travel times, speeds, and				
Freeway Management Agencies       Image: Consecticut Department of Transportation       Image: Connecticut Department of Transportation       None listed       None listed         Provide Information       Connecticut Department of Transportation(CT)       None listed       None listed       None listed         Share Infrastructure       None listed       None listed       None listed       None listed       None listed         Coordinate Operation       Minnesota Department of Transportation       Minnesota Department of Transportation       None listed       None listed					
Provide Information       Connecticut Department of Transportation(CT)       None listed       None listed       None listed         Share Infrastructure       None listed       None listed       None listed       None listed       None listed         Coordinate Operation       Minnesota Department of Transportation       Minnesota Department of Transportation       None listed       None listed					
Connecticut Department of Transportation(CT)     None listed     None listed     None listed       Share Infrastructure     None listed     None listed     None listed       None listed     None listed     None listed     None listed       Coordinate Operation     None listed     None listed     None listed       Minnesota Department of Transportation     Minnesota Department of Transportation     None listed     None listed					
of Transportation(CT)       None listed       None listed       None listed         Share Infrastructure       None listed       None listed       None listed       None listed         None listed       None listed       None listed       None listed       None listed       None listed         Coordinate Operation       Minnesota Department of Transportation       Minnesota Department of Transportation       None listed       None listed       None listed					
of Transportation(CT)       None listed       None listed       None listed         Share Infrastructure       None listed       None listed       None listed       None listed         None listed       None listed       None listed       None listed       None listed       None listed         Coordinate Operation       Minnesota Department of Transportation       Minnesota Department of Transportation       None listed       None listed       None listed					
of Transportation(CT)       None listed       None listed       None listed         Share Infrastructure       None listed       None listed       None listed       None listed         None listed       None listed       None listed       None listed       None listed       None listed         Coordinate Operation       Minnesota Department of Transportation       Minnesota Department of Transportation       None listed       None listed       None listed					
of Transportation(CT)       None listed       None listed       None listed         Share Infrastructure       None listed       None listed       None listed       None listed         None listed       None listed       None listed       None listed       None listed       None listed         Coordinate Operation       Minnesota Department of Transportation       Minnesota Department of Transportation       None listed       None listed       None listed					
of Transportation(CT)       None listed       None listed       None listed         Share Infrastructure       None listed       None listed       None listed       None listed         None listed       None listed       None listed       None listed       None listed       None listed         Coordinate Operation       Minnesota Department of Transportation       Minnesota Department of Transportation       None listed       None listed       None listed					
of Transportation(CT)       None listed       None listed       None listed         Share Infrastructure       None listed       None listed       None listed       None listed         None listed       None listed       None listed       None listed       None listed       None listed         Coordinate Operation       Minnesota Department of Transportation       Minnesota Department of Transportation       None listed       None listed       None listed					
of Transportation(CT)       None listed       None listed       None listed         Share Infrastructure       None listed       None listed       None listed       None listed         None listed       None listed       None listed       None listed       None listed       None listed         Coordinate Operation       Minnesota Department of Transportation       Minnesota Department of Transportation       None listed       None listed       None listed					
Share Infrastructure       None listed       None listed       None listed       None listed         None Operation       None listed       None listed       None listed       None listed         Minnesota Department of Transportation       Minnesota Department of Transportation       None listed       None listed			None listed	None listed	None listed
None listed     None listed     None listed     None listed       Coordinate Operation     Minnesota Department of Transportation     Minnesota Department of Transportation     None listed     None listed	Share Infrastructure			None listed	
Coordinate Operation       Minnesota Department of Transportation       Minnesota Department of Transportation       None listed					
Coordinate Operation       Minnesota Department of Transportation       Minnesota Department of Transportation       None listed					
Coordinate Operation       Minnesota Department of Transportation       Minnesota Department of Transportation       None listed					
Coordinate Operation       Minnesota Department of Transportation       Minnesota Department of Transportation       None listed		None listed	None listed	None listed	None listed
Minnesota Department of Minnesota Department of Transportation Transportation None listed None listed	Coordinate Operation				
Transportation Transportation None listed None listed	······································				
Transportation Transportation None listed None listed		Minnopoto Doportmont of	Minnopoto Doportment of		
				None listed	None listed
	Incident Management Agencies	Παποροιτατίοπ			

	Gree	nwich Town(CT)	Hud	Ison County(NJ)
Agency Name	1999	2005	1999	2005
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure				
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		None listed		
	Metro Transit	Metro Transit	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

	Greenwich	n Town(CT)	Hudson County(NJ)	
Agency Name	1999	2005	1999	2005
Coordinate Operation				
		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	NI 11 1	
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				
dense destructions estimates and a	Novo Boto d	Niewe Beterd	Nama Katad	Nama Katad
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

	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	None listed	None listed	None listed	None listed
Coordinate Operation			None listed	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				
freeway travel times, speeds, and conditions	None listed	None listed	None listed	None listed

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

	Hunterdo	on 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)		short survey	None listed	
Coordinate Changes to Timing Plans					
	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					
	None listed	None listed	None listed	None listed	
Coordinate Operation					
	Caltrans District 8	Caltrans District 8	None listed	None listed	

Agency Name Provide Information	1999	erdon County 2005	1999	ersey City(NJ) 2005
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure				
Coordinate Operation	None listed	None listed	None listed	None listed
	None listed	None listed	None listed	None listed
Public Transit Operators Agencies Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure				
Coordinate Operation	None listed	None listed	None listed	None listed
Coordinate Operation				
Autorial Management Association	None listed	None listed	None listed	None listed
Arterial Management Agencies Provide Information				
Objects lafes developed	Caltrans District 8	Caltrans District 8	None listed	None listed
Share Infrastructure				
	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					
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		None listed	Short Survey		
r abile transic operators non which your agency receives					
autorial travel times devived from vehicle probas	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	None listed	
incident clearance and/or incident severity, location, and type information					
medent clearance and/or medent seventy, location, and type mormation					
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	

	Hur	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	Nove Reted	Nama Katad	Name Keterl	News Refer	
Occurding to Occuration	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					
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	

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

	Middl	esex County(NJ)	Мо	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				
Turn over Central of Circala	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				
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				

	Middle	esex County(NJ)	Мо	unt Vernon City
Agency Name	1999	2005	1999	2005
Provide Information				
Chara Infrastructure	None listed	None listed	None listed	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation				
Public Transit Operators 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
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				
	None listed	None listed	None listed	None listed

	Middl	lesex County(NJ)	Мо	Mount Vernon 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 deviced from which a method	Nama lists d	None list	Nama Bata d	Nama Kata d	
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					
	Nono listed	None listed	None listed	None listed	
Share Infrastructure	None listed				
	None listed	None listed	None listed	None listed	

	Midd	lesex County(NJ)	Мо	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				
	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
		NUTE listed		
Freeway Management agencies from which your agency receives				
freeway travel times, speeds, and conditions	None listed	None listed	None listed	None listed
neeway uavei unies, speeds, and conditions	inone listed	None listed	None listed	none listed

	Na	assau County	New Jersey Department of Transportation(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	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					
conditions information, share infrastructure or coordinates operation					
Freeway Management Agencies					
Provide Information	None listed	None listed	Transportation(NJ), New Jersey Turnpike Authority(NJ), New Jersey Highway Authority(NJ), Port Authority of New Yor and New Jersey, Bergen County Police Department, New York State Police, TRANSCOM		
Share Infrastructure					
	None listed	None listed	None listed	None listed	
Coordinate Operation					
	None listed	None listed	None listed	None listed	
Incident Management Agencies					

	Na	assau County	New Jersey Department of Transportation(NJ)	
Agency Name	1999	2005	1999	2005
Provide Information	None listed	Nonolistad	New Jersey Highway Authority(NJ), New Jersey Turnpike Authority(NJ), New Jersey Department o Transportation(NJ), Port Authority of New York and New Jersey, New York State Police Department, Bergen County Police Department, TRANSCOM	f
Share Infrastructure	None listed	None listed	Department, TRANSCOM	None listed
Coordinate Operation	None listed	None listed	None listed	None listed
	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				
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 Department of Transportation(NJ)	
Agency Name	1999	2005	1999	2005
Coordinate Operation				
Dessiving real time information via electronic means from others	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				
	New York City Department	New York City Department		
freeway travel times, speeds, and conditions	of Transportation	of Transportation	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				
			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	None listed	Authority(NJ)	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			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

	Na	Nassau County		New Jersey Department of Transportation(NJ	
gency Name	1999	2005	1999	2005	
Coordinate Operation	None listed	None listed	None listed	None listed	
reeway 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	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	
ceiving real-time information via electronic means from others					
mergency 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	
rterial Management agencies from which your agency receives					
arterial travel times, speeds, and conditions	None listed	None listed	None listed	None listed	
reeway management agencies nom which your agency receives					
freeway travel times speeds and conditions	None listed	None listed	None listed	None listed	
reeway Management agencies from which your agency receives freeway travel times, speeds, and conditions	None listed	None	listed	listed None listed	

	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				
Turn over Control of Signals	short survey	None listed	None listed	None listed
	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				
	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	y Highway Authority(NJ)	Ne	New Rochelle 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					
Occurring to Occurring	None listed	None listed	None listed	None listed	
Coordinate Operation					
	None listed	None listed	None listed	None listed	
Arterial Management Agencies					
Provide Information					
	N 1 12 - 4	Nama Kata d	None list	Nama linta d	
Share Infrastructure	None listed	None listed	None listed	None listed	
	None listed	None listed	None listed	None listed	
	none iisteu				

	New Jersey	Highway Authority(NJ)	Nev	w Rochelle 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 derived from vahialas probas	Nono listad	None listed	None listed	None listed
times derived from vehicles probes Arterial Incident Management Section	None listed			
Arterial incloent 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	None listed

	New Jersey	/ Highway Authority(NJ)	Nev	w 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		None listed		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				
	Novo Botod	Nama Batad	None listed	Nova 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				
freeway travel times, speeds, and conditions	None listed	None listed	None listed	None listed

	New Yo	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					
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					
_conditions information, share infrastructure or coordinates operation					
Freeway Management Agencies					
Provide Information					
I Tovide Information					
	New York State DOT- Region 11	None listed	None listed	None listed	
Share Infrastructure					
	New York State DOT-				
	Region 11	TRANSCOM	None listed	None listed	
Coordinate Operation		TRAINSCOW	None listed	None listed	
	New York State DOT- Region 11	None listed	None listed	None listed	
			INCOLE INSIEC		

	New Yo	ork City DOT	New York City DOT for Queens County	
Agency Name	1999	2005	1999	2005
Provide Information				
	New York State DOT-	Port Authority of New York		
	Region 11		short survey	None listed
Share Infrastructure				
	New York State DOT-			
	Region 11	Transcom	None listed	None listed
Coordinate Operation				
	New York State DOT-	Port Authority of New York		
	Region 11		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				
Provide Information				
	None Kated	None listed	Nona liatad	Nono listad
Share Infrastructure	None listed	None listed	None listed	None listed
	None listed	None listed	None listed	None listed
	None listed	None listed	mone listed	inone 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
Receiving real-time information via electronic means from others				
Freeway Management agencies from which your agency receives				
		Port Authority of New York		
	New York State DOT-	and New Jersey,		
freeway travel times, speeds, and conditions	Region 11	Transcom	None listed	None listed
Public Transit operators from which your agency receives				
arterial travel times derived from vehicle probes	None listed	Green Bus Lines	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	Nonelistad	None listed	Nonelioted
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
Share Infrastructure	None listed	None listed	None listed	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	New York State DOT- Region 11	Port Authority of New York and New Jersey, 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- Region 11	Port Authority of New York and New Jersey		None listed
Public Transit Operators				
Provide Information	None listed	Green Bus Lines, New York City Transit Authority	None listed	None listed
Share Infrastructure	None listed	Green Bus Lines, New York City Transit Authority		None listed
Coordinate Operation	None listed	Green Bus Lines, New 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		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
Freeway Management agencies from which your agency receives				
freeway travel times, speeds, and conditions	None listed	New York State DOT, Transcom	None listed	None listed

	New York State D	OT-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				
		Nexe listed	Brookhaven Town, Suffolk County, Nassau County	
Turn over Control of Signals	short survey	None listed	County, Nassau County	None listed
	short survey	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				
	short survey	None listed	None listed	None listed
Share Infrastructure				
			New York State	
			Department of	
			Transportation,	
	None listed	None listed		None listed
Coordinate Operation				
	None listed	None listed	None listed	None listed
Incident Management Agencies				

	New York State D	OT-Hudson Valley Region 8	New York State	New York State DOT-Long Island Region 10	
Agency Name	1999	2005	1999	2005	
Provide Information					
	also at a constant	Niewe Beterd	Nama Katad	None Refer	
Share Infrastructure	short survey	None listed	None listed	None listed	
			New York State		
			Department of Transportation,		
	None listed	None listed	TRANSCOM	None listed	
Coordinate Operation					
	N				
Public Transit Operators 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	
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					
	None listed	None listed	None listed	None listed	

	New York State D	OT-Hudson Valley Region 8	New York State DOT-Long Island Region 10	
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				
molacili olculanec ana/or molacili ocrenty, location, ana type mormation				
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	OT-Hudson Valley Region 8	New York State I	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	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				
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				
freeway travel times, speeds, and conditions	None listed	None listed	None listed	None listed

	New York	State DOT-Region 11	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				
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	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	Newark City(NJ)	
Agency Name	1999	2005	1999	2005
Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure				
	News P. C. J.	Name Ref. 1	Nama Batul	Name Ref. 1
Coordinate Operation	None listed	None listed	None listed	None listed
Dublia Transis Ossuratora Anonaios	None listed	None listed	None listed	None listed
Public Transit Operators Agencies Provide Information				
	None listed	None listed	None listed	None listed
Share Infrastructure				
Coordinate Operation	None listed	None listed	None listed	None listed
Cool dinate Operation				
Autorial Management Assession	None listed	None listed	None listed	None listed
Arterial Management Agencies Provide Information				
Chara Infractructura	None listed	None listed	None listed	None listed
Share Infrastructure				
	None listed	None listed	None listed	None listed

	New York	State DOT-Region 11	Ne	ewark 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				
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				
Agencies your agency provides incident severity, location, and type info.				
and/or shares infrastructure and/or coordinates operation				
Emergency Management Agencies				
Provide Information				
	Name Ref. 1	Name Bat 1	Nama Batul	Nama Rati J
Chara Infrastructura	None listed	None listed	None listed	None listed
Share Infrastructure	None listed	None listed	None listed	None listed

	New York	State DOT-Region 11	Ne	wark 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	None listed	None listed	None listed	None listed
Provide Information				
Provide miormation				
	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
freeway travel times, speeds, and conditions	inone listed	inone listed	None listed	ivone listed

	Nor	rwalk City(CT)	Oct	ean 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				
Turn avera Octobel of Oliverale	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			,	
conditions information, share infrastructure or coordinates operation				
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	None listed	None listed	None listed
Incident Management Agencies				

Agency Name     1999     2005     1999     2005       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       Public Transit Operators Agencies     None listed     None listed     None listed     None listed       Share Infrastructure     None listed     None listed     None listed     None listed       Share Infrastructure     None listed     None listed     None listed     None listed       Public Transit Operators Agencies     None listed     None listed     None listed     None listed       Share Infrastructure     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       Provide Information     Infrastructure     None listed     None listed     None listed       Share Infrastructure     None listed     None listed     None listed     None listed		Nc	orwalk City(CT)	Oc	ean County(NJ)
short survey     None listed     None listed     None listed       Share Infrastructure     None listed     None listed     None listed       Coordinate Operation     None listed     None listed     None listed       Public Transit Operators Agencies     None listed     None listed     None listed       Provide Infrastructure     None listed     None listed     None listed       Share Infrastructure     None listed     None listed     None listed       None listed     None listed     None listed     None listed       Share Infrastructure     None listed     None listed     None listed       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     Image: Coordinate Operation     Image: Coordinate Operation     None listed     None listed       Provide Information     Image: Coordinate Operation     Image: Coordinate Operation     None listed     None listed     None listed       Share Infrastructure     None listed     None listed     None listed     None listed     None listed       Coordinate Operation     None listed     None listed     None listed     None listed     None listed       Provide Information     None listed     None listed     None listed     None listed     None listed       Share Infrastructure     None listed     None listed     None listed     None listed     None listed       Provide Information     Share Infrastructure     Image: Short survey     None listed     None listed     None listed	Provide Information				
Share Infrastructure       None listed       None listed       None listed       None listed       None listed         Coordinate Operation       None listed       None listed       None listed       None listed       None listed         Public Transit Operators Agencies       None listed       None listed       None listed       None listed       None listed         Provide Information       None listed       None listed       None listed       None listed       None listed         Share Infrastructure       None listed       None listed       None listed       None listed       None listed         Coordinate Operation       None listed       None listed       None listed       None listed       None listed         Provide Information       None listed       None listed       None listed       None listed       None listed         Provide Information       None listed       None listed       None listed       None listed       None listed         Provide Information       Share Infrastructure       None listed       None listed       None listed       None listed         Share Infrastructure       Share Infrastructure       None listed       None listed       None listed       None listed					
Share Infrastructure       None listed       None listed       None listed       None listed       None listed         Coordinate Operation       None listed       None listed       None listed       None listed       None listed         Public Transit Operators Agencies       None listed       None listed       None listed       None listed       None listed         Provide Information       None listed       None listed       None listed       None listed       None listed         Share Infrastructure       None listed       None listed       None listed       None listed       None listed         Coordinate Operation       None listed       None listed       None listed       None listed       None listed         Provide Information       None listed       None listed       None listed       None listed       None listed         Provide Information       None listed       None listed       None listed       None listed       None listed         Provide Information       infrastructure       ishort survey       None listed       None listed       None listed         Share Infrastructure       infrastructure       ishort survey       None listed       None listed       None listed					
Share Infrastructure       None listed       None listed       None listed       None listed       None listed         Coordinate Operation       None listed       None listed       None listed       None listed       None listed         Public Transit Operators Agencies       None listed       None listed       None listed       None listed       None listed         Provide Information       None listed       None listed       None listed       None listed       None listed         Share Infrastructure       None listed       None listed       None listed       None listed       None listed         Coordinate Operation       None listed       None listed       None listed       None listed       None listed         Provide Information       None listed       None listed       None listed       None listed       None listed         Provide Information       None listed       None listed       None listed       None listed       None listed         Provide Information       infrastructure       ishort survey       None listed       None listed       None listed         Share Infrastructure       infrastructure       ishort survey       None listed       None listed       None listed					
Share Infrastructure       None listed       None listed       None listed       None listed       None listed         Coordinate Operation       None listed       None listed       None listed       None listed       None listed         Public Transit Operators Agencies       None listed       None listed       None listed       None listed       None listed         Provide Information       None listed       None listed       None listed       None listed       None listed         Share Infrastructure       None listed       None listed       None listed       None listed       None listed         Coordinate Operation       None listed       None listed       None listed       None listed       None listed         Provide Information       None listed       None listed       None listed       None listed       None listed         Provide Information       None listed       None listed       None listed       None listed       None listed         Provide Information       Share Infrastructure       None listed       None listed       None listed       None listed         Share Infrastructure       Share Infrastructure       None listed       None listed       None listed       None listed					
Share Infrastructure       None listed       None listed       None listed       None listed       None listed         Coordinate Operation       None listed       None listed       None listed       None listed       None listed         Public Transit Operators Agencies       None listed       None listed       None listed       None listed       None listed         Provide Information       None listed       None listed       None listed       None listed       None listed         Share Infrastructure       None listed       None listed       None listed       None listed       None listed         Coordinate Operation       None listed       None listed       None listed       None listed       None listed         Provide Information       None listed       None listed       None listed       None listed       None listed         Provide Information       None listed       None listed       None listed       None listed       None listed         Provide Information       infrastructure       ishort survey       None listed       None listed       None listed         Share Infrastructure       infrastructure       ishort survey       None listed       None listed       None listed					
Share Infrastructure       None listed       None listed       None listed       None listed       None listed         Coordinate Operation       None listed       None listed       None listed       None listed       None listed         Public Transit Operators Agencies       None listed       None listed       None listed       None listed       None listed         Provide Information       None listed       None listed       None listed       None listed       None listed         Share Infrastructure       None listed       None listed       None listed       None listed       None listed         Coordinate Operation       None listed       None listed       None listed       None listed       None listed         Provide Information       None listed       None listed       None listed       None listed       None listed         Provide Information       None listed       None listed       None listed       None listed       None listed         Provide Information       Information       Information       Information       None listed       None listed         Share Infrastructure       Short survey       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     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       Coordinate Operation     None listed     None listed     None listed     None listed       Share Infrastructure     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       Provide Information     None listed     None listed     None listed     None listed       Provide Information     Short survey     None listed     None listed     None listed					
Share Infrastructure       None listed       None listed       None listed       None listed       None listed         Coordinate Operation       None listed       None listed       None listed       None listed       None listed         Public Transit Operators Agencies       None listed       None listed       None listed       None listed       None listed         Provide Information       None listed       None listed       None listed       None listed       None listed         Share Infrastructure       None listed       None listed       None listed       None listed       None listed         Coordinate Operation       None listed       None listed       None listed       None listed       None listed         Provide Information       None listed       None listed       None listed       None listed       None listed         Provide Information       None listed       None listed       None listed       None listed       None listed         Provide Information       Information       Information       Information       None listed       None listed         Share Infrastructure       Short survey       None listed       None listed       None listed       None listed		short survey	None listed	None listed	None listed
Coordinate Operation     None listed     None listed     None listed       Public Transit Operators Agencies     Image: Coordinate Operation     Image: Coordinate Operation     Image: Coordinate Operation       Share Infrastructure     None listed     None listed     None listed     None listed       Coordinate Operation     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     None listed       Provide Information     None listed     None listed     None listed     None listed       Share Infrastructure     None listed     None listed     None listed     None listed	Share Infrastructure				
Coordinate Operation     None listed     None listed     None listed       Public Transit Operators Agencies     Image: Coordinate Operation     Image: Coordinate Operation     Image: Coordinate Operation       Share Infrastructure     None listed     None listed     None listed     None listed       Coordinate Operation     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       Provide Information     None listed     None listed     None listed     None listed       Share Infrastructure     None listed     None listed     None listed     None listed       Share Infrastructure     Short survey     None listed     None listed     None listed					
Coordinate Operation     None listed     None listed     None listed       Public Transit Operators Agencies     Image: Coordinate Operation     Image: Coordinate Operation     Image: Coordinate Operation       Share Infrastructure     None listed     None listed     None listed     None listed       Coordinate Operation     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       Provide Information     None listed     None listed     None listed     None listed       Share Infrastructure     None listed     None listed     None listed     None listed       Share Infrastructure     Short survey     None listed     None listed     None listed					
Coordinate Operation     None listed     None listed     None listed       Public Transit Operators Agencies     Image: Coordinate Operation     Image: Coordinate Operation     Image: Coordinate Operation       Share Infrastructure     None listed     None listed     None listed     None listed       Coordinate Operation     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     None listed       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     None listed       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     None listed       Provide Information     None listed     None listed     None listed     None listed       Share Infrastructure     None listed     None listed     None listed     None listed       Provide Information     None listed     None listed     None listed     None listed       Share Infrastructure     ishort survey     None listed     None listed     None listed	Coordinate Operation	None listed	None listed	None listed	None listed
Public Transit Operators Agencies       Image: Construction       Image:					
Public Transit Operators Agencies       Image: Construction       Image:					
Public Transit Operators Agencies         Image: Construction         Image: Cons					
Provide Information       None       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         Arterial Management Agencies       Image: More Listed       None listed       None listed       None listed       None listed         Provide Information       Image: Short survey       None listed       None listed       None listed       None listed         Share Infrastructure       Image: Short survey       None listed       None listed       None listed       None listed		None listed	None listed	None listed	None listed
None listed     None listed     None listed     None listed       Share Infrastructure     None listed     None listed     None listed       Coordinate Operation     None listed     None listed     None listed       None listed     None listed     None listed     None listed       Arterial Management Agencies     Mone listed     None listed     None listed       Provide Information     short survey     None listed     None listed       Share Infrastructure     short survey     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     None listed       Arterial Management Agencies     Image: Coordinate Operation     Image: Coordinate Operation     Image: Coordinate Operation     Image: Coordinate Operation       Provide Information     Image: Coordinate Operation     Image: Coordinate Operation     Image: Coordinate Operation     Image: Coordinate Operation       Share Infrastructure     Image: Coordinate Operation     Image: Coordinate Operation     Image: Coordinate Operation     Image: Coordinate Operation	1 Tovide Information				
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     None listed       Arterial Management Agencies     Image: Coordinate Operation     Image: Coordinate Operation     Image: Coordinate Operation     Image: Coordinate Operation       Provide Information     Image: Coordinate Operation     Image: Coordinate Operation     Image: Coordinate Operation     Image: Coordinate Operation       Share Infrastructure     Image: Coordinate Operation     Image: Coordinate Operation     Image: Coordinate Operation     Image: Coordinate Operation		None listed	None listed	None listed	None listed
Coordinate Operation       None listed       None listed       None listed       None listed         Arterial Management Agencies       Image: Coordinate Operation       Im	Share Infrastructure				
Coordinate Operation       None listed       None listed       None listed       None listed         Arterial Management Agencies       Image: Coordinate Operation       Im					
Image: None listed     None listed     None listed     None listed     None listed       Arterial Management Agencies     Image: None listed     Image: None listed     Image: None listed     Image: None listed       Provide Information     short survey     None listed     None listed     None listed       Share Infrastructure     short survey     None listed     None listed     None listed	Coordinate Operation	None listed	None listed	None listed	None listed
Arterial Management Agencies       Arterial Management Agencies       And the second s	Coordinate Operation				
Arterial Management Agencies       Arterial Management Agencies       And the second s					
Arterial Management Agencies       Arterial Management Agencies       And the second s					
Provide Information       short survey       None listed       None listed       None listed         Share Infrastructure       Share Infrastructure       None listed       None listed       None listed		None listed	None listed	None listed	None listed
short survey     None listed     None listed       Share Infrastructure     Infrastructure     Infrastructure					
Share Infrastructure	Flovide information				
Share Infrastructure					
Share Infrastructure					
		short survey	None listed	None listed	None listed
	Share intrastructure				
None listed None listed None listed None listed None listed		None listed	None listed	None listed	None listed

	Nc	orwalk City(CT)	Oc	Ocean County(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		None listed	None listed		
Table Transic operators noni 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	None listed	None listed	None listed	None listed	
incident management agencies norm which your agency receives incident clearance and/or incident severity, location, and type information					
monacht olearande anaron monacht severny, robation, and type monmation					
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	short survey	None listed	
Share Infrastructure	None listed	None listed	None listed	None listed	

	No	orwalk City(CT)	Oce	an 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	Nene listed	None listed	None listed	Nana listad
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	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				
freeway travel times, speeds, and conditions	None listed	None listed	None listed	None listed

	Ran	napo 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			10	
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				

	Rar	mapo Town(NJ)	Sr	nithtown Town
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
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				
	None listed	None listed	None listed	None listed

	Ran	napo Town(NJ)	Sn	thtown 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					
freeway travel times, speeds, and conditions	None listed	None listed	None listed	None listed	
Public Transit operators from which your agency receives					
auto transic operatoro nom milon your 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					
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	

	Ran	napo Town(NJ)	Smithtown 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	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

	Somers	set 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 of	of		
	Transportation(NJ)	Union County(NJ)	short survey	None listed
Coordinate Changes to Timing Plans			,	
		Hunterdon County,		
	New Jersey Department of			
	Transportation(NJ)	Union County(NJ)	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				
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				
Incluent management Agencies				

	Somerse	Somerset County		Stamford City(CT)	
Agency Name	1999	2005	1999	2005	
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				
		None listed	None listed	None listed	
Public Transit Operators Agencies					
Provide Information					
	New Jersey Transit				
		None listed	None listed	None listed	
Share Infrastructure					
	New Jersey Transit				
	Corporation(NJ)	None listed	None listed	None listed	
Coordinate Operation					
	New Jersey Transit				
		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	Hunterdon County,				
	Middlesex County(NJ),				
	New Jersey Department of				
	Transportation(NJ)	None listed	None listed	None listed	

	Somerse	et County	Stamford 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				
functions travel times, encode, and conditions	New Jersey Department of Transportation(NJ)		Nene listed	None listed
freeway travel times, speeds, and conditions Public Transit operators from which your agency receives	Transportation(NJ)	None listed	None listed	None listed
and what to say a dambas of for an analytic to some to a	New Jersey Transit	No Katad	Name Bated	News Rota d
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				
incident clearance and/or incident seventy, location, and type information				
	New Jersey Department of			
Receive information on Incident Clearance		None listed	None listed	None listed
	New Jersey Department of			
Receive information on Incident Severity, Location, and Type	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

	Somers	et County	Star	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	f		
	Transportation(NJ)	None listed	None listed	None listed
Share Infrastructure	New Jersey Department of	f		
	Transportation(NJ)	None listed	None listed	None listed
Coordinate Operation	New Jersey Department of	f		
	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

	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				
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				

	Union	City - New Jersey	W	arren County
Agency Name	1999	2005	1999	2005
Provide Information				
	None Beted	Nama Katad	Non a Katad	Nama Katad
Share Infrastructure	None listed	None listed	None listed	None listed
Share initiastructure				
	None listed	None listed	None listed	None listed
Coordinate Operation				
	None Beted	Nama Katad	Non a Katad	Nama Katad
Public Transit Operators Agencies	None listed	None listed	None listed	None listed
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				
	None listed	None listed	None listed	None listed
Share Infrastructure				
· · · · · · · · · · · · · · · · · · ·				
	None listed	None listed	None listed	None listed

	Union City - New Jersey			
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		None listed		
autorial travel times devived from vehicle prohes	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	None listed
incident clearance and/or incident severity, location, and type information				
medent clearance and/or medent severity, location, and type miorination				
Receive information on Incident Clearance	short survey	None listed	None listed	None listed
	onorcourroy			
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	onorcourroy			
······································				
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	Warren 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						
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						
	Nexe listed	News listed	Name listed	None listed		
freeway travel times, speeds, and conditions	None listed	None listed	None listed	None listed		

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

and a second s		tchester County
Agency Name	1999	2005
gency 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
		Transportation Region 8
	None listed	White Plains
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
	Norre Bate d	Department of
Share Infrastructure	None listed	Transportation Region 8
		New York State Department of
	None listed	Transportation Region 8
Coordinate Operation		
		New York State
	Nama Batad	Department of
Incident Management Agencies	None listed	Transportation Region 8

	We	estchester County		
gency Name	1999	2005		
Provide Information				
		New York State		
		Department of		
	None listed	Transportation Region 8		
Share Infrastructure				
		New York State		
		Department of		
Occurting to Occuration	None listed	Transportation Region 8		
Coordinate Operation				
		New York State		
		Department of		
	None listed	Transportation Region 8		
Public Transit Operators Agencies				
Provide Information		Westchester County		
		Department of		
	None listed	Transportation		
Share Infrastructure		Westchester County		
		Department of		
	None listed	Transportation		
Coordinate Operation				
	None listed	None listed		
Arterial Management Agencies				
Provide Information				
		New York State		
		Department of		
		Transportation Region 8		
Chara Infrastructura	None listed	White Plains City		
Share Infrastructure		New York State		
		Department of		
		Transportation Region 8		
	None listed	White Plains City		

	Westchester 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					
		None listed			
arterial travel times derived from vehicle probes Incident Management agencies from which your agency receives	None listed	None listed			
incident management agencies from which your agency receives incident clearance and/or incident severity, location, and type information					
incident clearance and/or incident severity, location, and type information					
Receive information on Incident Clearance	None listed	None listed			
Receive information on incluent 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					
		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			

	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	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		
	Name Beter	Niewe Keterd
freeway travel times, speeds, and conditions	None listed	None listed

\*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

			Bay	onne	Bergen				
		n Town		/(NJ)		ty(NJ)		rt City(CT)	
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							Traffic volumes, Traffic speeds, Vehicle classification, Turning	Traffic volumes, Traffic speeds, Vehicle classification, Turning	
Archived by your agency	NR	NR	NR	NR	NR	NR	movements, Phasing/cycle lengths	movements, 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,	
Transferred to another agency by your agency								Phasing/cycle lengths	
	NR	NR	NR	NR	NR	NR	NR	NR	
Importance of making information available to the public									

		_	Bay	yonne	Bergen				
Agonov Nomo	Babylo 1999	n Town 2005	Cit 1999	y(NJ)	Cour 1999	nty(NJ)	Bridge 1999	eport City(CT)	
Agency Name Ranked High	1999	2005	1999	2005	1999	2005	1999	2005	
Kanked High									
	NR		NR		NR		NR		
Ranked Medium									
Ranked Low	NR		NR		NR		NR		
Rained Low									
							Traffic volumes Traffic	speeds, Vehicle classification	
	NR		NR		NR		Turning movements, Pl	asing/cycle lengths	
Groups that make requests for the data									
							Oservitanta Davidana	_	
What is the data used for?	NR		NR		NR		Consultants, Developer	5	
	NR		NR		NR		Traffic analysis, Constru	uction impact determination	
Methods used to disseminate arterial information to the public									

			_						
	Babylo	on Town		onne /(NJ)		rgen ity(NJ)	Bridgeno	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	
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		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		

	Olither		Connecticut	Department of	East Orange City(NJ)		
Aronav Nama		n City(NJ)		rtation(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							
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							
	NR	NR	NR	NR	NR	NR	
Importance of making information available to the public							

H - 4

	Clifto	n City(NJ)	Connecticut Transpor	Department of tation(CT)	East Orange City(NJ)		
Agency Name	1999	2005	1999	2005	1999	2005	
Ranked High						•	
-							
	NR		NR		NR		
Ranked Medium	INR		INR		INF		
	NR		NR		NR		
Ranked Low							
	NR		NR		NR		
Groups that make requests for the data							
	NR		NR		NR		
Vhat is the data used for?							
	NR		NR		NR		
lethods used to disseminate arterial information to the public							

	Clifte	on City(NJ)		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	
ternet web site reporting arterial conditions	NR	NR		NR			
elephone system for reporting arterial information to the public	NR		NR		NR		
organizations your agency sends information for dissemination to the public	NR		NR	NR		NR	
rterial Incident Management Section							
lethods used to distribute incident location and severity information							
to the public							
Technologies your agency uses to disseminate:							
			Internet Web				
			sites, Pagers or				
			personal data				
	NR	NR	assistants, Kiosks	NR	NR	NR	
Technologies your agency (through another agency or org.) uses to disseminate:	NR	NR	NR	NR	NR	NR	
ternet web site reporting incident information	NR	•	NR	•	NR		
elephone system for reporting incident information to the public	NR		NR		NR		
rganizations your agency sends information for dissemination to the public	NR		NR		NR		

		eth City(NJ)		d Town(CT)
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				
Transferred to another agency by your agency				
	NR	NR	NR	NR
Importance of making information available to the public				

			Fairfield Town(CT)			
		th City(NJ)				
Agency Name	1999	2005	1999	2005		
Ranked High						
	NR		NR			
Ranked Medium						
	NR		NR			
Ranked Low						
	NR		NR			
Groups that make requests for the data						
			Consultants, Pul	blic		
	NR		complaints/Rese	earch/Questions		
What is the data used for?						
			Traffic analysis,	Dissemination		
	NR		the public, Answ Concerns	ering Public		
	INF		Concerns			

	Flizabe	eth City(NJ)	Fairfield Town(CT)		
Agency Name	1999 2005		1999	2005	
Technologies your agency uses to disseminate:	1555	2003	1333	2003	
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:					
	Dedicated				
	Dedicated cable	NR	NR	NR	
Technologies your agency (through another agency or org.) uses to disseminate:	NR	NR	NR	NR	
Internet web site reporting incident information				INF	
	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		

		rgh Town	Greenwich Town(CT)		
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				
		NR	NR	NR	
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					

H - 11

	Greent	Greenburgh Town		
Agency Name	1999	2005	1999	h Town(CT) 2005
Ranked High				
	Traffic volumes, Traff	ic speeds	Traffic volumes, lengths, Schedu	
Ranked Medium				
			[	
			Emergency vehi preemption, Inci	
	NR		Emergency/evac procedures	cuation routes a
Ranked Low			procedures	
Groups that make requests for the data	NR		NR	
			State DOT pers	onnel, MPOs,
What is the data used for?	State DOT personnel	, Consultants, Public	Consultants	
what is the data used for?				
			Traffic analysis,	Construction
			impact determin Roadway impac	ation, Planning,
			Accident predict	ion models,
Methods used to disseminate arterial information to the public	Traffic analysis, Disse	emination to the public	Dissemination to	o the public

	Greenbu	Greenw	Greenwich Town(CT)		
Agency Name	1999	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				
		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		
Felephone system for reporting incident information to the public	NR		NR		
Organizations your agency sends information for dissemination to the public	NR		NR		

	Hudsor	n County(NJ)	Hunterde	on 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, Lane occupancy, Route designations (snow emergency, etc.), Current
Archived by your agency	NR	NR	work zones, Scheduled work zones	work zones, Scheduled work zones
	NR	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	NR	emergency, etc.), Current work zones, Scheduled	Route designations (snow emergency, etc.), Current work zones, Scheduled
	NR	NR	work zones	work zones
Importance of making information available to the public				

	Hudson	County(NJ)	Hunterdo	on County
Agency Name	1999	2005	1999	2005
Ranked High		•		•
			Traffic volumes, Traffic spe	eds I ane occupancy
			Route designations (snow	emergency, etc.), Curren
	NR		work zones, Scheduled wo	rk zones
Ranked Medium				
Ranked Low	NR		NR	
	NR		NR	
Groups that make requests for the data				
	NR		State DOT personnel, MPC	Ds, Consultants, Public
Vhat is the data used for?				
			<b>T</b> (()	
			Traffic analysis, Constructi Planning, Roadway impact	on impact determination,
	NR		the public, Real Estate Pur	
Methods used to disseminate arterial information to the public				

	Hudson	County(NJ)	Hur	nterdon County	
Agency Name	1999	2005	1999	2005	
Technologies your agency uses to disseminate:					
Technologies your agency (through another agency or org.) uses to disseminate:	NR	NR	Facsimile	Facsimile	
nternet web site reporting arterial conditions	NR	NR	Facsimile	Facsimile	
	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					
Nethods 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		
Felephone 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 County		
Agency Name	1999	2005	1999	2005	1999	2005	1999	2005	
gency 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									
	NR	NR	NR	NR	NR	NR	NR	NR	
Transferred to another agency by your agency									
	NR	NR	NR	NR	NR	NR	NR	NR	

	Jerse	y City(NJ)	Middlesex	County(NJ)	Mount V	ernon City	Nassau	u County
Agency Name	1999	2005	1999	2005	1999	2005	1999	2005
Ranked High								
Ranked Medium	NR		NR		NR		Incidents	
Ranked Low	NR		NR		NR		Traffic volun speeds, Pha lengths, Roa Weather cou Current worl Scheduled v Emergency/ routes and p	asing/cycle ad condition nditions, k zones, work zones /evacuation
Ranked Low								
Groups that make requests for the data	NR		NR		NR		Lane occupa classification movements Emergency signal preen Transit vehic priority, Rou designations emergency, Intermodal ( water) conn- Highway op coordination	n, Turning , Queues, vehicle nption, cle signal ute s (snow etc.), (air, rail, ections, erations
Groups that make requests for the data								
	NR		NR		NR		Consultants	i
What is the data used for?	NR		NR		NR		Traffic analy	veis Planni

	Jersey	/ City(NJ)	Middlesex	County(NJ)	Mount V	Mount Vernon City		u County
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	
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	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	

	New Jerse Transp	y Department of ortation(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						
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	NR	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
Ranked High						•
	NR		NR		NR	
Ranked Medium						
	NR		NR		NR	
Ranked Low						
	NR		NR		NR	
Groups that make requests for the data	INR		INK		INK	
Stoups that make requests for the data						
	NR		NR		NR	
Nhat is the data used for?						
	NR					
			NR		NR	

H - 20

		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	
nternet web site reporting arterial conditions	NR NR		NR				
elephone system for reporting arterial information to the public			NR		NR		
Drganizations your agency sends information for dissemination to the public	NR		NR		NR		
Arterial Incident Management Section							
Aethods 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	
nternet web site reporting incident information	NR	1	NR		NR		
elephone system for reporting incident information to the public	NR		NR		NR		
Drganizations your agency sends information for dissemination to the public	NR		NR		NR		

		City DOT	New York City DOT for Queens Count		
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	
	Phasing/cycle lengths,				
	Emergency vehicle signal				
Transferred to another agency by your agency	preemption	NR	NR	NR	
	Current work zones,	Traffic volumes, Traffic speeds, Turning movements, Current work zones	NR	NR	
mportance of making information available to the public					

H - 22

	New Y	ork City DOT	New York City DOT	for Queens County
Agency Name	1999	2005	1999	2005
Ranked High				
	Current work zeneo. Cal	hadulad work zanaa	NR	
Ranked Medium	Current work zones, Sci	neduled work zones	INK	
	Traffic volumes, Traffic	speeds, Turning movements,		
	Phasing/cycle lengths, E preemption	Emergency vehicle signal	NR	
Ranked Low				
			NR	
Groups that make requests for the data	NR			
What is the data used for?	Universities, State DOT	personnel, Consultants	NR	
vnat is the data used for?				
	Traffic analysis of the	ation increased data makes (		
	Planning	uction impact determination,	NR	
Methods used to disseminate arterial information to the public				

H - 23

	New York	< City DOT	New York City DC	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 D	OT-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					
Data collected, archived, and/or transferred to another agency					
Collected by your agency					
			Traffic volumes, Traffic		
			speeds, Phasing/cycle		
			lengths, Weather		
			conditions, Incidents, Current work zones,		
	NR	NR	Scheduled work zones	NR	
Archived by your agency					
			Traffic volumes, Traffic		
			speeds, Phasing/cycle		
			lengths, Incidents, Current		
	NR	NR	work zones, Scheduled work zones	NR	
Transferred to another agency by your agency			WORK 201163		
Tunision of to another agency by your agency					
			Incidents, Current work		
			zones, Scheduled work		
	NR	NR	zones	NR	
Importance of making information available to the public					

	New York State DO	Г-Hudson Valley Regio	on	
		8	New York State DOT-	
Agency Name	1999	2005	1999	2005
Ranked High				
			Traffic speeds, Incidents, C	urrent work zones
	NR		Scheduled work zones	
Ranked Medium				
	NR		NR	
Ranked Low				
			Traffic volumes, Phasing/cy	cle lengths, Weather/
	NR		conditions	
Groups that make requests for the data				
			Universities, Media (I.e., T)	/ stations, radio stations
What is the data used for?	NR		Consultants	
what is the data used for?				
	NR		Traffic analysis, Planning, I	Dissemination to the pub
Methods used to disseminate arterial information to the public				

H - 26

	New York State DOT	-Hudson Valley Region	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:	NR	NR	Dedicated cable TV, Internet Web sites	NR	
nternet web site reporting arterial conditions	NR		www.metrocommute.co	m	
Felephone system for reporting arterial information to the public			NR		
Drganizations your agency sends information for dissemination to the public			Shadow Traffic		
Arterial Incident Management Section					
Nethods used to distribute incident location and severity information					
to the public					
Technologies your agency uses to disseminate:	Telephone system, Internet Web sites, E- mail or other direct PC communication	Dedicated cable TV, Telephone system, Pagers or personal data assistants, Interactive TV, Kiosks, E-mail or other direct PC communication	NR	NR	
Technologies your agency (through another agency or org.) uses to disseminate:	NR	NR	NR	NR	
nternet web site reporting incident information	NR	1	NR		
elephone system for reporting incident information to the public	NR		NR		
Drganizations your agency sends information for dissemination to the public	NR		NR		

	New York St	ate 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						
Transformed to another agona, buyaur agona,	NR	NR	NR	NR	NR	NR
Transferred to another agency by your agency						
	NR	NR	NR	NR	NR	NR
mportance of making information available to the public	אויו		INFN		INFX	INEX

	New York State DOT-Region 11	Newark City(NJ)	Norwalk City(CT)
Agency Name	1999 2005	1999 2005	1999 2005
Agency Name Ranked High			
	NR	NR	NR
Ranked Medium			
	NR	NR	NR
Ranked Low			
Groups that make requests for the data	NR	NR	NR
noups that make requests for the data			
	NR	NR	NR
Vhat is the data used for?			
	NR	NR	NR
Aethods used to disseminate arterial information to the public			

H - 29

	New York S	tate DOT-Region 11	Newa	'k City(NJ)	Norwa	alk City(CT)	
Agency Name	1999	2005	1999	2005	1999	2005	
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	
nternet 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	
nternet web site reporting incident information		INF				INIX	
	NR		NR		NR		
Telephone system for reporting incident information to the public Organizations your agency sends information for dissemination to the public	NR NR		NR NR		NR NR		

	Ocean	County(NJ)	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					
Transformed to such as such as a suc	NR	NR	NR	NR	
Transferred to another agency by your agency					
	NR	NR	NR	NR	
Importance of making information available to the public			INI X		

H - 32

		Ocean County(NJ)	Ramapo Town(NJ)
Agency Name	199		1999 2005
Ranked High			
	NR		NR
Ranked Medium			
	NR		NR
Ranked Low			
Prouve that wells requests for the date	NR		NR
Groups that make requests for the data			
	NR		NR
What is the data used for?			
	NR		NR
Methods used to disseminate arterial information to the p	public		

	Ocea	n County(NJ)	Rama	po Town(NJ)
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
Internet 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:				
	NR	NR	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	

		wn Town	Somerset County		
	1999	2005	1999	2005	
	Yes		Yes		
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			Traffic volumes, Traffic speeds, Turning movements, Phasing/cycle lengths, Queues, Route designations (snow emergency, etc.), Incidents, Current work zones, Scheduled work zones, Emergency/evacuation		
	NR	NR	routes and procedures	NR	

	Smithtown To		Somerset County			
Agency Name	1999	2005	1999	2005		
Ranked High		2000	1000	2000		
			Route designations (snow	emergency etc.)		
			Incidents, Current work zo	nes, Scheduled work		
	NR		zones, Emergency/evacua			
Ranked Medium						
			Traffic volumes, Traffic sp	eeds Turning movemen		
	NR		Phasing/cycle lengths, Qu	eues		
Ranked Low						
	Traffic volumes, Traffic speeds,	Johiela classification				
	Turning movements, Phasing/cyd	cle lengths,	ι,			
	Emergency vehicle signal preem	ption	NR			
Groups that make requests for the data						
	County of Suffolk Traffic Division		State DOT personnel, Cor	sultants		
What is the data used for?						
	Traffic analysis		Traffic analysis, Planning			
Methods used to disseminate arterial information to the public						

H - 35

	Sm	ithtown Town	Somers	Somerset County		
Agency Name	1999	2005	1999	2005		
Technologies your agency uses to disseminate:						
	NR	NR	Internet Web sites, Pagers or personal data assistants, E-mail or other direct PC communication, Facsimile			
Technologies your agency (through another agency or org.) uses to disseminate:	NR	NR	NR	NR		
nternet web site reporting arterial conditions	NR		www.co.somerset.nj.us	www.co.somerset.ni.us		
Felephone system for reporting arterial information to the public	NR		NR			
Drganizations your agency sends information for dissemination to the public	NR		NR			
Arterial Incident Management Section						
Nethods 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	NR		
nternet web site reporting incident information	NR	1	NR	T		
elephone system for reporting incident information to the public	NR		NR			
Drganizations your agency sends information for dissemination to the public	NR		NR			

			Union C	City - New				
	Stamford	d City(CT)	Jersey		Warren 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	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	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

	01- (		Union City - New CT) Jersey Warren County		Orant				
A		d City(CT)		rsey				chester County	
Agency Name	1999	2005	1999	2005	1999	2005	1999	2005	
Ranked High									
							Traffic volumes, Cu	urrent work zones,	
	NR		NR		NR		Scheduled work zo	nes	
Ranked Medium									
	NR		NR		NR		NR		
Ranked Low									
							Traffic speeds, Vel	nicle classification, Turn	
	NR		NR		NR		movements, Phasi	ng/cycle lengths	
Groups that make requests for the data									
							State DOT personr	nel, Media (I.e., TV	
What is the data used for?	NR		NR		NR		stations, radio stati	ons), MPOs, Consultan	
what is the data used for?									
							Traffic analysis, Co	onstruction impact	
								nning, Dissemination to	
	NR		NR		NR		public		
Nethods used to disseminate arterial information to the public									

		d City(CT)	Je	ity - New rsey	1	County	Westchester County	
Agency Name	1999	2005	1999	2005	1999	2005	1999	2005
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 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				ſ				
Methods used to distribute incident location and severity information								
to the public								
Technologies your agency uses to disseminate:		Internet						
Technologies (managed (through an ether	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		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	

Appendix I Transit Management Components

	Clarkstowr	n Mini-Trans	Command Bus Company		Connecticut Transit- Stamford(CT)		Green Bus Lines	
	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	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	

	Clarkstowr	n Mini-Trans	Command E	Bus Company	Connecticut Transit- Stamford(CT)		Green B	us 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	1	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		1		1		1		
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>								
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
<u>Trunked Only</u>								
Fixed Route Bus	No	No	Yes	No	No	No	Yes	No

		Mini-Trans		Bus Company	Stamfo	cut Transit- ord(CT)		us 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

					Connectio	cut Transit-		
	Clarkstowr	n Mini-Trans	Command E	Bus Company		ord(CT)	Green E	lus 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								
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						<u> </u>		
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

					Connectio	cut Transit-		
	Clarkstown	Mini-Trans	Command B	us Company		ord(CT)	Green B	us 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	1							
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	1							
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 Mini-Trans		us Company	Stamfo	cut Transit- ord(CT)		us 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	Area Rapid						
	Transit	(HART)	Jamaic	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	

		Area Rapid		_				
		(HART)		a Buses	1	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	1	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								
Digital Only								
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		- N						
Fixed Route Bus	No	No	Yes	No	No	No	No	No

		Area Rapid (HART)	Jamaic	a Buses	Long Be	each City	Metro-North F	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				<u> </u>				
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	n Area Rapid						
	Transit	(HART)	Jamaic	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								
dispatching for multiple agencies?	No		No		No		Yes	
Is there or will there be a Transportation Management Center								
(TMC) in the region that controls transit and highway modes?	NR		Yes		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								
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
Light Rail	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive	NR	NR	NR	NR	NR	NR	NR	NR

		Area Rapid	lovesia	- Duese	Lana Da	ach Citu	Matua Nauth I	
	1999	(HART) 2005	Jamaic 1999	a Buses 2005	1999	each City 2005	1999	Railroad MTA 2005
Commuter Rail	NR	2005 NR	NR	2005 NR	NR	2005 NR	NR	2005 NR
Ferry Boat	NR	NR	NR	NR	NR	NR	NR	NR
ITS Standards Used Related to Transit Management			INIX				INIX	
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 Passenger Information Objects (TCIP-FI)	No		No		No		No	
TCIP Fare Collection Objects (TCIP-FC)	No		No		No		No	
TCIP Pare Collection Objects (TCIP-FC)	No		No		No		No	
TCIP Spatial Representation Objects (TCIP-SP)	No		No		No		No	
TCIP Scheduling/Runcutting Objects (TCIP-SCH)	No		No		No		No	
	INU		INU		INU		INU	
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	res		INR		INU		INU	
and software to aid maintenance and interoperability?	No		No		No		No	
Electronic Fare Payment	INU		INU		INU		INU	
Have full operational Electronic Fare Payment System?	Yes		Yes		No		No	
	res		res		INU		INU	
Methods of Fare Payment Stored value card with fare deducted for each trip								
	Nia		Vaa		Ne		No	
Magnetic Stripe	No		Yes		No		No	
Smart Card Debit Card	No No		No No		No No		No	
	NO		INO		NO		NO	
Billed by the month for trips taken	No		Na		Ne		No	
Magnetic Stripe			No		No		No	
Smart Card	No No		No No		No		No	
Credit Card	NO		INO		No		NO	
Monthly Pass	Nie		Vee		Ne		No	
Magnetic Stripe	No		Yes		No		No	
Smart Card	No		No		No		No	
Vehicles/Stations Equipped with Automated Payment Mechanism	-						+	
Magnetic Stripe Readers	ND	ND	400	400	ND			
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

	0	Huntington Area Rapid Transit (HART)		Jamaica Buses		Long Beach City		Railroad MTA
	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								

	MTA Long	Island Bus		ey Transit ation(NJ)		City Transit nority	District/Wes	lk Transit stport Transit es(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		ey Transit ation(NJ)		City Transit nority	District/Wes	< 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					110		110	
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
<u>Trunked Only</u>								
Fixed Route Bus	Yes	No	Yes	No	No	No	No	No

	MTA Long	MTA Long Island Bus		sey Transit ation(NJ)	New York City Transit Authority		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)		City Transit hority	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			-	-			-	-
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
<u>Ramp Meter Priority</u>								
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
Light Rail	NR	NR	NR	NR	NR	NR	NR	NR
Demand Responsive	0	72	NR	NR	NR	NR	NR	27

	MTA Long Island Bus			ey Transit ation(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								
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		Transit tport Transit s(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	ounty Transit	Stamford Dia	al-A-Ride(CT)	Suffolk	County	Triboro Coac	h Corporation
	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	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 Coac	h Corporatior
	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	
Ferry	No		No		No		No	
Locations where traveler information is displayed to public	110				NO		NO	
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								
<u>Digital Only</u>								
Fixed Route Bus	No	No	No	No	No	Yes	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	Yes	No	No
Commuter Rail	No	No	No	No	No	No	No	No
Ferry Boat	No	No	No	No	No	No	No	No
<u>Trunked Only</u>								
Fixed Route Bus	No	No	No	No	Yes	No	No	No

	Dute are Ca		Characterial Div		Cuffell	Causta	Tribere Cese	h Comonation
	1999	unty Transit 2005	1999	al-A-Ride(CT) 2005	1999	County 2005	Triboro Coac 1999	2005
Heavy or Rapid Rail	No	2005 No	No	2005 No	No	2005 No	No	2005 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	INU	No	INO	NO	INO	No	INO
	INO		INO		INU		INO	
Methods used to count passengers Treadle Mats	No		No		No		No	
Infrared Beams	No		No		No		No	
	INO		INO		INU		INO	
Primary and Secondary Location Technologies Used Primary Technologies				<u>                                     </u>				
GPS	No	No	No	No	No	No	No	No
Differential GPS	No	No	No	No	No	No	No	No
	No	No	No	No	NO	NO	No	NO
Signpost/Odometer 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	INU	INU	INU	INU	INU	INU	INU	NU
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
	No	No	No	No	-	NO	No	NO
Dead_Reckoning LORAN C	NO	No	No	No	No No	NO	No	NO
Other	No	No	No	No	NO	NO	No	NO
Number of Vehicles with APCs	INO	NO	INO	INO	INO	INO	INO	NO
	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	NR	NR			NR	
Light Rail Demand Responsive	NR NR	NR	NR	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
	INK	INR	INK	INK	INK	INR	INR	INK
Remote Real-Time Monitoring and Computer Assisted Dispatching Remote Real-Time Monitoring				<u>                                     </u>				
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

	Putnam Co	ounty Transit	Stamford Dia	al-A-Ride(CT)	Suffolk	County	Triboro Coac	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
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			1	1				
dispatching for multiple agencies?	No	1	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								
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

	Putnam Co	unty Transit	Stamford Dis	al-A-Ride(CT)	Suffolk	County	Triboro Coac	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	Putnam County Transit S		Stamford Dial-A-Ride(CT)		Suffolk County		Triboro Coach 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									

	Westches	ster County	То	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	

	Westchester County		Totals	
	1999	2005	1999	2005
Have Automated Traveler Information System?	Yes		10	
Services Automated Traveler Info. System Applies:				
Fixed Route	Yes		9	
			9 0	
Heavy Rail	No		-	
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				
Digital Only				
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

	Westches	ter 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

	Westches	ter County	То	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				
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			, v	<u> </u>
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	ter 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

Appendix J Transit Management Integration

	Clarks	stown Mini-Trans	Comma	nd Bus Company
Agency Name	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes	
ransit operators in the region that use the same electronic payment system				
	None listed		None listed	
oll 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

	Clarkstow	Clarkstown Mini-Trans		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				
			New York City Department	
Receive Information	None listed	None listed	of Transportation	None listed
Share Infrastructure	None listed	None listed	None listed	None listed

	Connecticut	Transit-Stamford(CT)	Gre	Green Bus Lines		
Agency Name	1999	2005	1999	2005		
Agency Returned Survey?	Yes		Yes			
Fransit operators in the region that use the same electronic payment system						
	Southeast Area Transit	t (Norwich), Northeast Area				
	Transit (Waterbury)		None listed			
Foll 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		

	Connecticut Tra	nsit-Stamford(CT)	Green	Bus Lines
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 Ar	ea Rapid Transit (HART)	Jar	naica Buses
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>	MTA Long Island Bus	, New York City Transit Author	Command Bus compa Corporation, Liberty Lin New York Bus Tours, I	nes Express, Incorporation, Incorporated, MTA Long Island
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 Arterial Management agencies from which your agency receives	None listed	None listed	None listed	None listed
arterial travel times, speeds, and conditions Receive Information	None listed	None listed	None listed	None listed
	inone listed	None listed	inone listed	None listed

	Huntington Area R	apid Transit (HART)	Jamaic	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

	Loi	ng Beach City	Metro-No	Metro-North Railroad MTA		
Agency Name	1999	2005	1999	2005		
Agency Returned Survey?	Yes		Yes			
ransit operators in the region that use the same electronic payment system						
	Nana liatad		Nana liatod			
oll operators from whom you accept electronic payment of transit	None listed		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	Transcom	None listed		
Receive mornation	None listed	None listed	Transcom	None listed		
Share Infrastructure	None listed	None listed	None listed	None listed		
Arterial Management agencies from which your agency receives						
arterial management agencies from which your agency receives arterial travel times, speeds, and conditions						
Receive Information	None listed	None listed	None listed	None listed		

	Long B	each City	Metro-North	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

	ΜΤΔΙ	MTA Long Island Bus		sit Corporation(NJ)
Agency Name	1999	2005	1999	2005
	1555	2000	1555	2000
Agency Returned Survey?	Yes		Yes	
Transit operators in the region that use the same electronic payment system				
	New York City Departn	nent of Transportation, New		
	York City Transit Author	•	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	Nana liatad	None listed	Nama listed	TRANSCOM, Norfolk
Receive information	None listed	None listed	None listed	Southern, Conrail, Amtrak
			New Jersey Department o	f New Jersey Department o
			Transportation, New	Transportation, New
				Jersey Highway Authority,
			New Jersey Turnpike	New Jersey Turnpike
				Authority, New York City
			Department of	Department of
			Transportation, Port	Transportation, Port Authority of New York and
			New Jersey, Norfolk	New Jersey, Norfolk
Share Infrastructure	None listed	None listed		Southern, Conrail, Amtrak
Arterial Management agencies from which your agency receives				
arterial travel times, speeds, and conditions				
Receive Information	None listed	None listed	None listed	None listed

	MTA Long Island Bus		New Jersey Tran	sit Corporation(NJ)
Agency Name	1999	2005	1999	2005
Share Infrastructure	None listed	None listed	New York City Departmen 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 t New York City Departmer 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	f New Jersey Department of Transportation, New Jersey Highway Authority New Jersey Turnpike Authority, Port Authority o New York and New Jersey, Amtrak, Norfolk Southern/Conrail

		New York City Transit Authority		Norwalk Transit District/Westport Transit Lines(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		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		

	Now York City	y Transit Authority	Nonvalk Transit Distri	Norwalk Transit District/Westport Transit Lines(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	

	Putna	Putnam County Transit		Stamford Dial-A-Ride(CT)	
Agency Name	1999	2005	1999	2005	
gency Returned Survey?	Yes		Yes		
ransit operators in the region that use the same electronic payment system					
oll operators from whom you accept electronic payment of transit	None listed		None listed		
fare through the use of ETC media					
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	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 County 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 wanagement agencies from which your agency receives				
Receive Information	None listed	None listed	None listed	None listed
Share Infrastructure	None listed	None listed	None listed	None listed

	Suff	Suffolk County		Triboro Coach Corporation	
Agency Name	1999	2005	1999	2005	
Annual Deturned Curren O		_			
Agency Returned Survey?	Yes		Yes		
ransit operators in the region that use the same electronic payment system					
	None listed		Nama Katad		
oll operators from whom you accept electronic payment of transit	inone listed		None listed		
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	

	Suffolk County		Triboro Coach 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

	Westo	stchester County	
Agency Name	1999	2005	
Agency Returned Survey?	Yes		
Transit operators in the region that use the same electronic payment system			
	None listed		
Toll operators from whom you accept electronic payment of transit			
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			
arterial travel times, speeds, and conditions	News Reted	Novo Koto d	
Receive Information	None listed	None listed	

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

Appendix K Transit Management Information Collection and Dissemination

		Oladataan Mini Taara		_
		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.				
	NR		NR	
Telephone system for reporting transit information to the public			NR	
Organizations your agency sends information for dissemination to the public	T.O.R.		NR	
Data collected, archived, and/or transferred to another agency	1.0.N.			
Collected by your agency	Vehicle monitoring status	Vehicle monitoring status,		
	Passenger information (e.g., surveys, O/D), Trip	Venicie monitoring status, Passenger information (e.g., surveys, O/D), Trip itinerary planning records, Passenger count, Vehicle time and location	Vehicle monitoring status, Passenger information (e.g., surveys, O/D), Passenger count, Vehicle time and location	NR

	Clarksto	wn 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, Vehicl	e Passenger count, Vehicle		
	time and location	time and location	NR	NR
nportance of making information available to the public				
Ranked High				
Ranked Medium	Passenger count		NR	
Ranked Low	Vehicle time and location	1	NR	
	NR		NR	
roups that make requests for the data				
	Federal DOT personnel,	State DOT personnel	Municipal	

K - 2

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

NR: No Response

	Connecticut Transit-Stamford(CT)		Green Bus Lines			
Agency Name	1999	2005	1999	2005		
A man and Defense and Demons D						
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			Internet Web Sites,			
	NR	NR	Telephone System	NR		
Real-time transit schedule adherence or arrival and departure times						
	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			
Telephone system for reporting transit information to the public			www.greenbus.com			
	NR		718-995-4700 customer service			
Organizations your agency sends information for dissemination to the public			NYC Transit Center NYC DOT Battery Maritim			
	NR		Kennedy Airport	5		
Data collected, archived, and/or transferred to another agency						
Collected by your agency						
	NR	NR	Transit operations coordination information, Emergency/evacuation routes and procedures, Intermodal (air, rail, water conditions, Scheduled roadway work zones for transit, Current roadway work zones for transit, Incidents, Weather conditions, Passenger count, Vehicle time and location	) NR		

K - 4

	Connecticut Transit-Stamford(CT)		Green Bus Lines	
Agency Name	1999	2005	1999	2005
Archived by your agency				
	Passenger count	Transit operations coordination information, Vehicle monitoring status, Passenger information (e.g., surveys, O/D)	Incidents, Weather conditions, Passenger count, Vehicle time and location	NR
Transferred to another agency by your agency				
	NR	Incidents, Transit vehicle signal priority, Trip itinerary planning records, Vehicle time and location	Transit operations coordination information, Passenger count	NR
mportance of making information available to the public				
Ranked High	Transit operations coordina Trip itinerary planning reco location	ation information, Incidents, rds, Vehicle time and	Transit operations coordina Intermodal (air, rail, water)	
Ranked Medium				
	Transit vehicle signal prior	ity	Incidents, Passenger coun	t
Ranked Low		ity	indiacina, i assenger couri	
	Passenger count		Scheduled roadway work z roadway work zones for tra	
Groups that make requests for the data	Ĭ			
	Advanced Traveler Information Systems (ATIS) providers, MPOs, Media (I.e., TV stations, radio stations), State DOT personnel personnel		personnel, State DOT	

K - 5

	Connecticut Tran	sit-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	pact determination	

NR: No Response

	Huntington Area Rapid Transit (HART)		Jamaica Buses		
Agency Name	1999	2005	1999	2005	
Anoney Deturned Currey O					
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	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.	NR		www.jamaicabus.com www.itravel.scog.ca.gov/itravel/		
Telephone system for reporting transit information to the public	NR		718-526-0800		
Organizations your agency sends information for dissemination to the public					
Determined and the transformed to another end to	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	

K - 7

	Liuntington Area D	Huntington Area Dapid Transit (HADT)		
annou Namo		Huntington Area Rapid Transit (HART) 1999 2005		naica Buses 2005
Agency Name Archived by your agency	1999	2005	1999	2005
Archived by your agency				
	Intermodal (air, rail, water)			
	conditions, Incidents,			
	Passenger information			
	(e.g., surveys, O/D),		Deserves	
Transferred to another agapay by your agapay	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),			
		NR	NR	NR
mportance of making information available to the public				
Ranked High				
	Intermodal (air, rail, water)	aanditiana	NR	
Ranked Medium	internodar (air, raii, water)	conditions		
	NR		NR	
Ranked Low				
	Incidents, Passenger inforr	mation (e.g. surveys O/	וח	
	Passenger count		NR	
Groups that make requests for the data				
	Consultants, MPOs, Feder			
	DOT personnel, Universitie	s	City DOT	

K - 8

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

NR: No Response

	Lana D	anah City	Metro-North Railroad MTA	
Agency Name	1999	each City 2005	1999	2005
Agency Mame	1000	2000	1000	2000
Agency Returned Survey?	Yes		Yes	
Methods used to disseminate transit information to the public	165			
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	1
Organizations your agency sends information for dissemination to the public			<b>T</b>	
Data collected, archived, and/or transferred to another agency	NR		Transcom	
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)

K - 10

		Long Beach City			
				th Railroad MTA	
Agency Name Archived by your agency	1999	2005	1999	2005	
Archived by your agency					
			Incidente Decembra		
			Incidents, Passenger information (e.g., survey	e .	
	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					
		ute designations (snow rent roadway work zones fo	Intermodal (air, rail, wate		
		acuation routes and proce		conditions, Passenger information (e.g., surveys, s O/D)	
Ranked Medium		·····	,		
		n (e.g., surveys, O/D), Roa			
	conditions, Vehicle tin roadway work zones f	ne and location, Scheduled	Passenger count		
Ranked Low					
		Weather conditions, Trip itinerary planning records, Emergency vehicle signal preemption, Transit operations coordination information, Incidents, Intermodal (air, rail, water) conditions, Highway			
		operations coordination information, Transit vehicle			
Groups that make requests for the data	signal priority		Incidents		
	Consultants, MPOs, F	- Federal DOT personnel, Sta	ate		
	DOT personnel, Unive		Media (I.e., TV stations,	radio stations)	

K - 11

	Long Be	ach City	Metro-North	Railroad MTA
Agency Name	1999	2005	1999	2005
What is the data used for?				
	Planning		Dissemination to the public	

	MTALass	g Island Bus	New Jersey Transit Corporation(NJ)	
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	Audible Enunciators, Telephone System	Kiosks, Internet Web Sites	Internet Web Sites, Telephone System	Monitors/VMS (not in 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.				
Telephone system for reporting transit information to the public			www.njtransit.state.nj.us 973.762.5100	
Organizations your agency sends information for dissemination to the public				
Data collected, archived, and/or transferred to another agency	NR		Transcom	
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		Incidents, Weather	Transit operations coordination information, Incidents, Weather conditions, Vehicle
	monitoring status, Passenger information (e.g., surveys, O/D), Passenger count, Vehicle time and location		conditions, Vehicle monitoring status, Passenger information (e.g., surveys, O/D), Vehicle time and location	monitoring status, Passenger information (e.g., surveys, O/D), Passenger count, Vehicle

	MTA Long	Island Bus	New Jersey Tran	sit Corporation(NJ)
Agency Name	1999	2005	1999	2005
Archived by your agency				
	Transit operations			
	coordination information, Incidents, Vehicle			Incidents, Weather conditions, Vehicle
	monitoring status,		Incidents, Vehicle	monitoring status,
	Passenger information		monitoring status,	Passenger information
	(e.g., surveys, O/D),		Passenger information	(e.g., surveys, O/D),
	Passenger count, Vehicle time and location	NR	(e.g., surveys, O/D), Vehicle time and location	Passenger count, Vehicl time and location
Transferred to another agency by your agency				
				<b>T</b> itti
	Transit operations			Transit operations coordination
	coordination information	NR	NR	Incidents
mportance of making information available to the public				
Ranked High				
	Transit operations coordina Scheduled roadway work z		Intermodal (air, rail, water)	conditions Current
	designations (snow emerge			
	location	.,,	monitoring status, Vehicle	
Ranked Medium			operations coordination in	
			Emergency/evacuation routes and procedures, Scheduled roadway work zones for transit, Weath	
			conditions, Passenger info	
	Passenger information (e.g	g., surveys, O/D)	O/D)	
Ranked Low				
			Transit vehicle signal prior	ity, Emergency vehicle
			signal preemption, Trip itir	
Groups that make requests for the data	Incidents, Vehicle monitori	ng status, Passenger cou	nt Passenger count	
broups that make requests for the data				
			Advanced Traveler Inform	ation Systems (ATIS)
	MPOs, Federal DOT perso	onnel, State DOT personn		

	MTA Long	Island Bus	New Jersey Tran	sit Corporation(NJ)
Agency Name What is the data used for?	1999	2005	1999	2005
	Planning		Dissemination to the public	_

	New York City	Transit Authority	Norwalk Transit Distri	ct/Westport Transit Lines(CT)
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	Monitors/VMS (not in vehicle), Kiosks	Audible Enunciators, Monitors/VMS (not in vehicle), Kiosks	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.				
	http://www.mta.nyc.ny.us/nyct/index.html		NR	
Telephone system for reporting transit information to the public			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				
		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	vehicle signal priority	NR	NR

1999	New York City Transit Authority		Norwalk Transit District/Westport Transit Lines(C	
1999	2005	1999	2005	
NR	NR	NR	NR	
NR	NR	NR	NR	
r assenger count, m	np iunerary planning records	,		
Passenger information	ion (e.g., surveys, O/D), Veh	icle		
(air, rail, water) cond	ditions, Emergency/evacuation	on NR		
	c), Highway operations coordination information,			
Ŭ				
NR		NR		
Advanced Traveler	Information Systems (ATIS)			
- -	NR Passenger count, r Passenger informat monitoring status, F location, Transit ope Incidents, Current ro Scheduled roadway (air, rail, water) cond Weather conditions. preemption, Route of etc), Highway opera Transit vehicle signa NR NR	NR       NR         rassenger count, mp unclary planning records         Passenger information (e.g., surveys, O/D), Veh         monitoring status, Road conditions, Vehicle time         location, Transit operations coordination informat         Incidents, Current roadway work zones for transit, Interr         (air, rail, water) conditions, Emergency/evacuation         Weather conditions, Emergency vehicle signal         preemption, Route designations (snow emergen         etc), Highway operations coordination information         Transit vehicle signal priority         NR         Advanced Traveler Information Systems (ATIS)	NR     NR     NR       Passenger count, Thp unleary planning records, Passenger information (e.g., surveys, O/D), Vehicle monitoring status, Road conditions, Vehicle time and location, Transit operations coordination information, Incidents, Current roadway work zones for transit, Scheduled roadway work zones for transit, Intermodal (air, rail, water) conditions, Emergency/evacuation     NR       Weather conditions, Emergency vehicle signal preemption, Route designations (snow emergency, etc), Highway operations coordination information, Transit vehicle signal priority     NR       NR     NR       NR     NR	

	New York City 7	Fransit Authority	Norwalk Transit District/W	/estport Transit Lines(CT)
Agency Name	1999	2005	1999	2005
What is the data used for?				
	Dissemination to the public	, Traffic analysis	NR	

	Putnam	County Transit	Stamford Dial-A-Ride(CT)	
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	NR	NR
Real-time transit schedule adherence or arrival and departure times				
Technologies employed by other organization receiving your data	NR	NR	NR	NR
Transit routes, schedules and fares				
ו המוסור וטענכס, סטובעעובס מווע זמובס	NR	NR	NR	NR
Real-time transit schedule adherence or arrival and departure times				
·				
Internet web site reporting transit routes, schedules and fare, etc.	NR	NR	NR	NR
internet web site reporting transit routes, schedules and rare, etc.				
Telephone system for reporting transit information to the public	NR		NR	
	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				
	Passenger count	NR	NR	NR

	Putnan	m County Transit	Stamfo	rd Dial-A-Ride(CT)	
gency Name	1999	2005	1999	2005	
Archived by your agency					
	Passenger count	NR	NR	NR	
Transferred to another agency by your agency					
	Passenger count	NR	NR	NR	
nportance of making information available to the public					
Ranked High					
	Passenger count		NR	NR	
Ranked Medium					
		undianationa informationa. I limb			
		Transit operations coordination information, Highway operations coordination information			
Ranked Low		itinerary planning records, Passenger information			
	(e.g., surveys, O/D), V	(e.g., surveys, O/D), Vehicle monitoring status, Road			
		conditions, Emergency vehicle signal preemption,			
	Route designations (sr	Route designations (snow emergency, etc), Incidents, Current roadway work zones for transit, Scheduled			
		or transit, Intermodal (air, r			
roups that make requests for the data		<b>x</b> - 1			
		· <b>-</b> ·			
	Consultants, State DO	personnei	NR		

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

	Suf	Suffolk County		Coach Corporation
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				
	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	NR	Internet M/eh. Cites	NR	
Real-time transit schedule adherence or arrival and departure times	INK	Internet Web Sites	NR	NR
	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				
Organizations your agency sends information for dissemination 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	Suffolk County	Triboro C	oach Corporation
gency Name	1999	2005	1999	2005
Archived by your agency				
Transferred to another agency by your agency	NR	NR	NR	NR
Transiened to another agency by your agency				
nportance of making information available to the public	NR	NR	NR	NR
Ranked High				
Ranked Medium	NR		NR	
Ranked Medium				
	NR		NR	
Ranked Low				
norma that make normalia for the date	NR		NR	
roups that make requests for the data				
	NR		NR	

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

	Westo	hester 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	NR	Kiosks, Telephone 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				
Internet web site reporting transit routes, schedules and fare, etc.	NR	NR		
	www.westchestergov.c	om/beeline		
Telephone 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	Transcom Metro Traffic			
Data collected, archived, and/or transferred to another agency				
Collected by your agency				
	NR	NR		

		/estchester County
Agency Name	1999	2005
Archived by your agency		
Transferred to another agency by your agency	NR	NR
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		
Groups that make requests for the data	NR	
Groups that make requests for the data		
	NR	

	Westch	nester County
Agency Name What is the data used for?	1999	2005
	NR	

Appendix L Emergency Management

	Total	/ehicles	Navigation	Capabilities	A	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	1 8	1 8	0 0	0 0	0 0	0 0
Bayonne City Fire Department(NJ) Bridgeport City Emergency Medical Services(CT)	20 15	NR NR	0	NR NR	0 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 0	NR NR 0 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 C		Capabilities	А	VL
Agency Name		2005	1999	2005	1999	2005
East Farmingdale Fire District Emergency Medical Elizabeth City Emergency Medical Services(NJ)	3 9	3 NR	0	0 NB	0	0 NB
	9		0		0	
Elizabeth City Fire Department(NJ)	14	16	0	0	0	14
Elizabeth City Police Department(NJ)	68	NR	0	NR	40	NR
Greenburgh Town Emergency Medical Services	8	9	8	9	8	9
Greenburgh Town Police Department	23 16	25 NR	15 0	17 NR	15 0	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) Monmouth County Sheriff(NJ)	<u>12</u> 50	12 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 Vehicles		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	9 26	11 30	0	6 0	0	0
Richmond County Sheriff	3	3	0	0	0	0
Suffolk County Emergency Medical Services	210	240	0	0	0	0

	Total	Vehicles	Navigation	Capabilities	AVL		
Agency Name	1999	2005	1999	2005	1999	2005	
Suffolk County Fire Department Sussex County Sheriff	1,500	1,700	0	0	0	0	
Sussex County Sheriff	33	NR	0	NR	0	NR	
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	

C/	AD		with Mobile Data ninal	Vehicles Equipp	ed with Preemption	Participate in Formal Incident Mgt Program	Send Incident Info to other agencies	
1999	2005	1999	2005	1999	2005	Particij 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	1	0	0	1	1	Yes	Yes	Emergency Medical Services, New York
8	8	0	0	0	1	Yes	Yes	New York State
20	NR	0	NR	0	NR	Yes	Yes	Office of
15	NR	0	NR	0	NR	Yes	Yes	None listed
54	NR	0	NR	9	NR	Yes	Yes	Emergency 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/	AD	CAD Equipped v Terr		Vehicles Equippe	d with Preemption	Participate in Formal Incident Mgt Program	Participate in Formal Incident Mgt Program Send Incident Info to other agencies	
1999	2005	1999	2005	1999	2005	Partic Incide Progra	Send	List of agencies receiving data
39	3 NR	0	0 NR	<u>3</u> 0	3 NR	Yes Yes	Yes No	Suffolk County Emergency Medical Services, New York State Health Department None listed
2 68	14 NR	0 15	3 NR	0 0	NR 0	Yes Yes	Yes No	New Jersey Division of Fire Safety None listed
8 23 0 3	9 25 NR 4	8 15 0 3	9 17 NR 4	0 0 0 0	0 0 NR 0	Yes No No Yes	Yes No No No	Hudson Valley Regional EMS Council None listed None listed 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 12	0	8 12	0	0	No No	No No	None listed None listed
44	NR	5	NR	0	0	Yes	Yes	Westchester County Crime
0	NR	0	NR	0	NR	Yes	Yes	TRANSCOM
0	14	0	14	0	NR	Yes	No	None listed
52	55	52	55	0	0	Yes	No	None listed
11	11	0	0	3	11	Yes	Yes	New York State Fire Prevention & Suffolk County Emergency Medical Services, New York State Health
2	2	0	0	1	2	Yes	Yes	Department
15	15	0	1	5	15	Yes	Yes	New York State Fire Prevention &

C.	AD		D Equipped with Mobile Data Terminal Vehicles Equipped with Preemption		Vehicles Equipped with Preemption		Send Incident Info to other agencies	
1999	2005	1999	2005	1999	2005	Participate in Formal Incident Mgt Program	Send Ir other a	List of agencies receiving data
3	3	0	0	3	3	Yes	Yes	Suffolk County Emergency Medical Services, New York State Health Department
2	2	0	0	2	2	Yes	Yes	Suffolk County Emergency Medical Services, New York State Health Department
10	10	0	1	5	10	Yes	Yes	New York State Fire Prevention &
0	10	0	6	1	1	Yes	Yes	Connecticut Division of Public
26	30	26	30	0	0	Yes	No	None listed
3	3	3	3	0	0	Yes	No	None listed
								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		pped with Mobile Data Terminal Vehicles Equipped with Pr		Vehicles Equipped with Preemption		Send Incident Info to other agencies	
1999	2005	1999	2005	1999	2005	Participate in Formal Incident Mgt Program	end li ther a	List of agencies
		<u> </u>	3	~	N		<u>0 9</u>	receiving data Suffolk County Police Department, Suffolk County Health Department, Suffolk County Department of Public Works, New York State Emergency Management Agency, Nassau County Emergency Management Agency, New York
15 0	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 &
								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
7 30	7 30	0	0 30	4	7 30	Yes Yes	Yes	Emergency Medical Services, New York State Health Department None listed

Appendix M Electronic Toll Collection

List of toll operators that use tags       Authority, Port Authority of New York State NY & NJ       NJ, New York State Thruway Authority       Port Authority of New York & New Jersey       Authority, Port Authority of New York & New Jersey       Authority, Port Authority of New York & New Jersey       Authority, Port Authority of New York & New Jersey       Authority, Port Authority of New York & New Jersey       Authority, Port Authority of New York & New Jersey       Authority, Port Authority of New York & New Jersey       Authority, Port Authority of New York & New Jersey       NY         Are toll tags used by operators of public transit to pay transit fares       No       No       No       No         in metro area?       No       No       No       No       No       No	Bridges & Ienry Hudson ridge
Number of toll Collection Plazas with dedicated ETC         0         <	2005
Number of toll Collection Plazas operated         0	
Number of toll collection plazas with dedicated ETC         0         <	
Number of toll collection plazas with both manual and ETC         0         14         0         14         <	0
Number of toll collection lanes operated         28         0         21         0         14         0         14           Number of toll collection lanes with dedicated ETC         8         0         7         0         6         0         9           Number of toll collection lanes with both manual and ETC         24         0         17         0         14         0         14           Number of toll collection tags issued         0	0
Number of toll collection lanes with dedicated ETC8070609Number of toll collection lanes with both manual and ETC24017014014Number of toll collection tags issued00000000Antennae Location TechnologiesIn-Pavement?NoNoNoNoNoNoNoNoFocused Beam?NoNoNoNoNoNoNoNoDistributed Overhead?YesYesYesYesYesYesIn-Vehicle Equipment TechnologiesTag-based?YesYesYesYesYesYesIntegrated circuit card-based?NoNoNoNoNoNoAre toll tags used by other toll operations in metro area?YesYesYesYesYesList of toll operators that use tagsNew York State Thruway Authority, Port Authority of NY and NY & NJNoNoNoNoNoAre toll tags used by operators of public transit to pay transit faresNoNoNoNoNoNoIn metro area?NoNoNoNoNoNoNoNoNo	0
Number of toll collection lanes with both manual and ETC         24         0         17         0         14         0         14           Number of toll collection tags issued         0         14         0         14         0         14         0         14         0         0         0 <td>14</td>	14
Number of toll collection tags issued       0	0
Antennae Location Technologies       Image: Construction of the co	14
In-Pavement?       No	0
Focused Beam?       No       No       No       No       No       No       No       No         Distributed Overhead?       Yes	
Distributed Overhead?       Yes       Ye	
In-Vehicle Equipment Technologies       ves	
Tag-based?YesYesYesYesYesYesIntegrated circuit card-based?NoNoNoNoNoAre toll tags used by other toll operations in metro area?YesYesYesYesYesList of toll operators that use tagsNew York State Thruway Authority, Port Authority of NY & NJPort Authority of NY and NJ, New York State Thruway AuthorityPort Authority of NY and NJ, New York State Thruway AuthorityPort Authority of New York State Thruway AuthorityNew York State NY & NJAre toll tags used by operators of public transit to pay transit fares in metro area?NoNoNoNo	
Integrated circuit card-based?       No       No       No       No       No       No       No       No         Are toll tags used by other toll operations in metro area?       Yes	
Are toll tags used by other toll operations in metro area?       Yes       Yes       Yes       Yes       Yes       Yes         List of toll operators that use tags       New York State Thruway Authority of NV and NJ, New York State Thruway Authority, Port Authority of NV and NJ, New York State Thruway Authority       Port Authority of NV and NJ, New York State Thruway Authority       Port Authority of New York State Thruway Authority       Port Authority of New York State Thruway Authority       New York State Thruway Authority       Port Authority of New York State Thruway Authority       New York State Thruway Auth	
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 York Werk State Thruway Authority         Are toll tags used by operators of public transit to pay transit fares       No       No       No	
List of toll operators that use tags       Authority, Port Authority of NJ, New York State Thruway Authority       Port Authority of New York & New Jersey       Authority, Port Authority of New York & New Jersey       Authority, Port Authority of New York & New Jersey       Authority, Port Authority of New York & New Jersey       Authority, Port Authority of New York & New Jersey       Authority, Port Authority of New York & New Jersey       Authority, Port Authority of New York & New Jersey       Authority, Port Authority of New York & New Jersey       Authority, Port Authority of New York & New Jersey       New Jersey       New Jersey       New Jersey	
in metro area? No No No No No	State Thruway ort Authority of ⁄ & NJ
List of transit operators that use tags     None     None     None     N	
	lone
NR: No Response	

	MTA Bridges & Tunnels/Marine Parkway Bridge		MTA Bridges & Tunnels/Queens Midtown Tunnel		MTA Bridges & Tunnels/Throgs Neck Bridge (1-295)		MTA Bridges & Tunnels/Triborouth Bri (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		5		Authority, Po	tate Thruway rt Authority of nd 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	one	No	one	No	one	No	one
NR: No Response								

1999         2005         1999         2005         1999         2005         1999         2005           Agency Returned Survey?         Yes         Ye		Tunnels/\	MTA Bridges & Tunnels/Verrazano- Narrows Bridge		ey Highway ity(NJ)	New Jersey Turnpike Authority(NJ)		New York State Thruw Authority	
Number of toll Collection Plazes operated         0         0         45         45         28         7         NR           Number of toll Collection plazes with dedicated ETC         0         0         0         45         0         28         7         NR           Number of toll collection plazes with dedinanual and ETC         0         0         0         12         0         28         7         NR           Number of toll collection lanes operated         23         0         321         0         300         300         182         NR           Number of toll collection lanes with both manual and ETC         12         0         0         0         0         0         0         159         37         NR           Number of toll collection lanes with both manual and ETC         21         0		1999	2005	1999	2005	1999	2005	1999	2005
Number of toll Collection Plazes operated         0         0         45         45         28         7         NR           Number of toll collection plazes with both manual and ETC         0         0         0         145         0         28         7         NR           Number of toll collection plazes with both manual and ETC         0         0         0         12         0         28         7         NR           Number of toll collection lanes operated         23         0         321         0         300         300         182         NR           Number of toll collection lanes with both manual and ETC         12         0         0         0         0         0         0         189         37         NR           Number of toll collection lanes with both manual and ETC         21         0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
Number of toil collection plazas with both manual and ETC         0         0         0         12         0         28         7         NR           Number of toil collection plazas with both manual and ETC         0         0         0         12         0         28         7         NR           Number of toil collection plazas with both manual and ETC         12         0         300         300         159         37         NR           Number of toil collection lanes with both manual and ETC         21         0         0         0         0         159         37         NR           Number of toil collection lanes with both manual and ETC         21         0         0         0         0         0         0         7         NR           Number of toil collection lares with both manual and ETC         21         0         0         32         0         300         68         NR           Number of toil collection lares issued         0         0         0         0         0         0         0         0         730.00         NR           In-Pavement?         No         No         Yes         No         No         No         No         No         No         No         Interplay taction ta	Agency Returned Survey?	Yes		Yes		Yes		Yes	
Number of tol collection plazas with both manual and ETC         0         0         0         12         0         28         7         NR           Number of tol collection lanes operated         23         0         321         0         300         300         182         NR           Number of tol collection lanes with dedicated ETC         12         0         0         0         0         159         37         NR           Number of tol collection lanes with both manual and ETC         21         0         0         0         0         0         0         70,000         NR           Number of tol collection tags issued         0         0         0         0         0         0         0         730,000         NR           Antenase Location Technologies         - </td <td>Number of toll Collection Plazas operated</td> <td>0</td> <td>0</td> <td>45</td> <td>45</td> <td>28</td> <td>28</td> <td>7</td> <td>NR</td>	Number of toll Collection Plazas operated	0	0	45	45	28	28	7	NR
Number of toll collection lanes operated         23         0         321         0         300         300         182         NR           Number of toll collection lanes with both manual and ETC         12         0         0         0         169         37         NR           Number of toll collection tags issued         0         0         0         0         0         0         730,000         NR           Number of toll collection tags issued         0         0         0         0         0         730,000         NR           Antennae Location Technologies         -	Number of toll collection plazas with dedicated ETC	0	0	0	45	0	28	7	NR
Number of toll collection lanes with dedicated ETC         12         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	Number of toll collection plazas with both manual and ETC	0	0	0	12	0	28	7	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         0         0         730,000         NR           Antennae Location Technologies                   730,000         NR           In-Pavement?         No         No         No         No         No         No         No         No          No         N	Number of toll collection lanes operated	23	0	321	0	300	300	182	NR
Number of toll collection tags issued       0       0       0       0       0       0       0       730,000       NR         Antennae Location Technologies       No	Number of toll collection lanes with dedicated ETC	12	0	0	0	0	159	37	NR
Antennae Location Technologies       No       Are toll tags used by other toll operators in metro area?       Yes	Number of toll collection lanes with both manual and ETC	21	0	0	32	0	300	68	NR
In-Pavement?       No	Number of toll collection tags issued	0	0	0	0	0	0	730,000	NR
Focused Beam?       No       Yes       No       No <td>Antennae Location Technologies</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Antennae Location Technologies								
Distributed Overhead?       Yes       No       Yes	In-Pavement?	No		No		No		No	
In-Vehicle Equipment Technologies       Yes	Focused Beam?	No		Yes		No		No	
Tag-based?       Yes       Yes       Yes       Yes       Yes       Yes       Yes       Yes       No       N	Distributed Overhead?	Yes		No		Yes		Yes	
Integrated circuit card-based?       No       Port Authority of NY & N.       N/S Bridge Authority, Delaware Department of Transportation, MTA Bridges and Transportation, MTA Bridges and Transportation, MTA Bridges and Transportation, MTA Bridges and Transportation Authority       No       No       No       No       No       No       No       Softh Jensey Transportation Authority, Delaware Department of Transportation, MTA Bridges and Transportation, MTA Bridges and Transportation Authority       No       No       No       No       Softh Jensey Transportation Authority         Are toll tags used by operators of public transit to pay transit fares              Softh Jensey Transportation Authority       Softh Jensey Transportation Authority       Softh Jensey Transportation Authority       Softh Jensey Transportation Authority        No       No       No       No          Softh Jensey Transportation Aut	In-Vehicle Equipment Technologies								
Are toll tags used by other toll operations in metro area?       Yes	Tag-based?	Yes		Yes		Yes		Yes	
List of toll operators that use tags       New York State Thruway Authority, Port Authority of NY & NJ       None       None       Port Authority of NY & NJ 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       Image: Construction of the tags is to pay transit fares       Image: Construction of the tags is to pay transit fares       Image: Construction of the tags is to pay transit fares       Image: Construction of tags is to pay transit fares       Image: Construction	Integrated circuit card-based?	No		No		No		No	
List of toll operators that use tags       New York State Thruway Authority, Pot Authority of NY & NJ       None       None       None       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       Image: Control of transit operators that use tags       No       No       No       No       No         List of transit operators that use tags       None       None       None       None       None       None         List of transit operators that use tags       None       None       None       None       None       None	Are toll tags used by other toll operations in metro area?	Yes		Yes		Yes		Yes	
in metro area?     No     No     No     No     No       List of transit operators that use tags     None     None     None     None     None	List of toll operators that use tags	Authority, Po	Authority, Port Authority of		ne	None		NYS Bridg Delaware Do Transporta Bridges an South	e Authority, epartment of ation, MTA d Tunnels, Jersey
List of transit operators that use tags     None     None     None     None									
				-		-		-	
	List of transit operators that use tags	No	one	Nc	one	No	one	Nc	ne
NR: No Response									
	NR: No Response								

	Port Authority of NY and NJ/Bayone Bridge		Port Authority of NY and NJ/George Washington Bridge		Port Authority of NY and NJ/Goethals Bridge		Port Authority of NY a NJ/Holland Tunnel	
	1999	2005	1999	2005	1999	2005	1999	2005
Agency Returned Survey?	Yes		Yes		Yes		Yes	
Number of toll Collection Plazas operated	1	1	3	3	1	1	1	1
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	1	1	3	3	1	1	1	1
Number of toll collection lanes operated	4	4	31	31	8	8	9	9
Number of toll collection lanes with dedicated ETC	1	2	0	17	0	4	0	6
Number of toll collection lanes with both manual and ETC	4	4	0	14	8	8	9	9
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?	Yes		Yes		Yes		Yes	
Distributed Overhead?	No		No		No		No	
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	Metropolitan Transportation Authority, New York State Thruway Authority				on Metropolitan Transportation e Authority, New York State Thruway Authority		Authority, Ne	Transportation w York State 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	one
	_							
NR: No Response	_							

		ity of NY and In Tunnel		ty of NY and Ige Crossing	Totals	
	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	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	None None		one			
NR: No Response						