

# Metropolitan Intelligent Transportation Systems (ITS) Infrastructure 2010 Transportation Management Center

Providence-New Bedford-Fall River, RI-MA

**Instructions**

This questionnaire is designed to obtain data measuring the level of Intelligent Transportation System (ITS) implemented by TMCs across the nation. The results of this survey will be used to establish the extent of ITS deployment, to track deployment progress, and to report deployment status to Congress and other interested bodies.

Your participation is very important to ensuring a complete and accurate tracking of ITS deployment in the United States. Thank you for your assistance with this survey effort. Your cooperation is greatly appreciated.

**General Information**

1. Center name:

Transportation Management Center

2. Location (address):

2 Capitol Hill  
Providence, RI 02905

3. Does your TMC have a website?

Yes, URL:   
 No

4. What is the geographical area of coverage of your TMC? (Please describe)

Inter-state, (95,195) and Major + Minor Aterials

5. What modes are included within the TMC? (Check all that apply)

Freeways  
 Arterials  
 Transit  
 Public Safety  
 Other (please specify):

6. Have you identified corridors for the purpose of integrating operations across freeways, major arterials, and/or public transit services?

Yes, please describe the corridor(s):

No

**TMC Functions**

7. Which of the following best describes the functions or services performed on FREEWAYS supported by this Transportation Management Center? (Check all that apply)

- Do not perform any freeway functions or services
- Network or roadway surveillance and data collection
- Traveler information dissemination to the public
- Incident management detection, verification, and monitoring
- Incident response dispatch
- Environmental monitoring (e.g., air quality, noise and weather)
- Special event traffic management
- Evacuation management and traffic coordination
- Emergency services traffic control coordination
- Ramp management and control
- Lane management and control (e.g., HOV, reversible lanes)
- Integrated Corridor Management
- Network performance monitoring, evaluation and reporting
- Maintenance dispatch
- Snow and ice removal
- Planned special events
- Manage work zones (coordinate lane closures, monitor WZ traffic conditions)

Other (please specify):

8. Which of the following best describes the functions or services performed on ARTERIALS supported by this Transportation Management Center? (Check all that apply)

- Do not perform any arterial functions or services
- Network or roadway surveillance and data collection
- Traveler information dissemination to the public
- Incident management detection, verification, and monitoring
- Incident response dispatch
- Environmental monitoring (e.g., air quality, noise and weather)
- Special event traffic management
- Evacuation management and traffic coordination
- Emergency services traffic control coordination
- Traffic signal coordination or control
- Lane management and control (e.g., HOV, reversible lanes)
- Integrated Corridor Management
- Network performance monitoring, evaluation and reporting
- Maintenance dispatch
- Snow and ice removal
- Planned special events
- Manage work zones (coordinate lane closures, monitor WZ traffic conditions)

Other (please specify):

9. Which of the following best describes the functions or services performed on PUBLIC TRANSIT supported by this Transportation Management Center? (Check all that apply)

Do not perform any transit functions or services

Transit scheduling and dispatch

Other (please specify):

**Operations**

10. Does your TMC employ any Center-to-Center communications standards?

Yes, check all that apply:

IEEE 1512

SAE J2354

TMDD v2.01

TMDD v3.0

Other (please specify):

No

11. Does this TMC have established Center-to-Center connections to other TMCs?

Yes

No

12. Does this TMC have established Center-to-Center connections to private sector information disseminators?

Yes

No

13. Does your TMC have an Operations Manual?

Yes, does the Operations Manual contain detailed (measureable) requirements?

Yes

No

No

14. Approximately how many planned special events does your TMC manage per year?

15. Has your agency deployed a decision support system to assist in operating the following?

Yes (check all that apply):

Corridors

Road weather management

Incident management

Emergency management

Evacuation

Maintenance

Other (please specify):

No

16. Is there any shared control of field devices between your TMC and other agencies?

Yes, please specify agencies:

No

**Emergency Operations**

17. Does your agency participate in a regional or statewide disaster planning program?

- Yes, regional - intrastate
- Yes, statewide
- Yes, regional - multi-state
- No

18. Does your region or state activate a designated multi-agency emergency operations center (EOC) in case of natural or man-made disasters?

- Yes
- No -- GO TO Q. 21

19. How is the EOC integrated with your TMC? (Check all that apply)

- The TMC facility houses the EOC
- Workstations are placed in the related Emergency Operations Center (EOC)
- We have a formal interagency agreement with emergency management agencies covering goals, policies, and organizational roles
- We have a private data network with availability limited to cooperating regional agencies
- We have a restricted-access website for cooperating agencies
- Other (please specify):

20. If an EOC is used, how much of your TMC staff is physically located at the EOC during emergency operations?

- All
- Some, not all
- None

21. Which of the following approaches are used by your TMC during emergency operations to make your TMC system more reliable? (Check all that apply)

- Backup power in center
- Backup power for some or all field devices
- Redundant data systems
- Multiple data communications paths
- Other (please specify):
- None

**Integration with Public Safety**

22. Does the TMC have responsibility (shared or otherwise) for emergency vehicle dispatch?

- Yes
- No

23. Are 911 facilities located within, or adjacent, to the TMC location?

- Yes
- No

24. Do you integrate public safety Computer Aided Dispatch (CAD) information within the TMC through an interagency agreement?

Yes, what is included in the agreement? (Check all that apply)

Definition of what CAD information will be passed

Use of common incident location identifiers

Use of common format or an exchange format

The TMC can push data to the public safety CAD

No

25. Do you have methods other than CAD of receiving incident notifications from public safety agencies?

Yes, please describe:

No

### Traffic Incident Management

26. Do you have a formally recognized multi-agency Traffic Incident Management committee?

Yes, check all that apply to your committee:

It operates with an agreement signed by multiple agencies

The committee has regularly scheduled meetings

The scope of the committee is Regional

The scope of the committee is Statewide

No

27. Does your TMC have a full time Traffic Incident Management Engineer?

Yes

No

28. For what hours is response by on-duty Department of Transportation (DOT) personnel available?

24/7

Other (please specify):

29. Does your Traffic Incident Management program include safety service patrols?

Yes, are the safety service patrol personnel trained to serve as incident responders?

Yes

No

No

30. Are the DOT maintenance/operations staff trained to serve as incident responders?

Yes

No

31. Is the Incident Command System widely used and common practice at all incident scenes?

Yes

No

32. Which of the following performance measures, if any, are tracked? (Check all that apply)

- Roadway clearance times
- Incident clearance times
- Agency response times
- Secondary incident times
- Other (please specify):
- None -- GO TO Q. 34

33. Are the Federal Highway Administration (FHWA) definitions used for the above measures?

- Yes
- No

34. Are performance goals for incident clearance established?

- Yes, check the categories of incidents for which performance goals apply:
  - Major incidents
  - Moderate incidents
  - Minor incidents
- No

35. Is the traffic incident management program integrated with the TMC?

- Yes, is there is an established interagency on-scene communications procedure detailed in a memorandum of understanding (MOU)?
  - Yes
  - No
- No

36. Is a HAZMAT agency integrated into your TMC's traffic incident management program and on-scene response?

- Yes, are the HAZMAT requirements, cleanup procedures, and defined process for quick clean up widely understood by responding contractors?
  - Yes
  - No
- No

**ITS Funding**

37. Does your agency have any plans to invest in new ITS technology or to expand current ITS coverage in 2010 through 2013?

- Yes (Check all that apply)
  - Invest in new ITS, please describe:
  - Expand current ITS coverage
- No

38. Does your TMC have a separate budget for ITS?

Yes, which of the following budget categories, if any, are tracked separately? (Check all that apply)

ITS Deployments

ITS Operations and Maintenance

Traffic Management or Operations Center

Other (please specify):

Do not track categories separately

No

**Additional comments**

39. Please use the space below to provide any additional comments regarding your agency's deployment, operations or maintenance of ITS. (Please be as specific as possible when commenting on particular ITS technologies).