2007 Transit Management Survey

FLEET CHARACTERISTICS

1. **Total number of vehicles used in revenue service (Total in 2007):**
    Fixed Route Bus:
    Heavy or Rapid Rail:
    Light Rail:
    Demand Responsive:
    Commuter Rail:
    Ferry Boat:

2. **Total number of vehicles equipped with Automated Vehicle Location (AVL) (Total in 2007):**
    Fixed Route Bus:
    Heavy or Rapid Rail:
    Light Rail:
    Demand Responsive:
    Commuter Rail:
    Ferry Boat:

3. **Total number of vehicles with real-time monitoring of vehicle components (Total in 2007):**
    Fixed Route Bus:
    Heavy or Rapid Rail:
    Light Rail:
    Demand Responsive:
    Commuter Rail:
    Ferry Boat:

4. **Total number of vehicles where automated dispatching or control software[1] is available (Total in 2007):**
    Fixed Route Bus:
    Heavy or Rapid Rail:
    Light Rail:
    Demand Responsive:
    Commuter Rail:
    Ferry Boat:

TRAFFIC SIGNAL PRIORITY

5. **Number of Fixed Route Buses that have traffic signal priority capability (Total in 2007):**

6. **Number of Light rail vehicles that have traffic signal priority capability (Total in 2007):**

7. **Number of Demand Responsive vehicles that have traffic signal priority capability (Total in 2007):**

---

[1] Software that displays AVL-equipped vehicle locations, vehicle data, and operator data on dispatcher monitors, automated control software for light or heavy rail systems, or automated scheduling software for demand responsive service.

RAMP METER SIGNAL PRIORITY

8. Number of Fixed Route Buses with ramp meter signal priority capability (Total in 2007):

9. Number of Demand Responsive vehicles with ramp meter signal priority capability (Total in 2007):

VEHICLES OPERATED AS VEHICLE PROBES

10. Total number of fixed route buses operated as vehicle probes to collect travel time, speed, and conditions, on FREEWAYS (Total in 2007):

11. Total number of fixed route buses operated as vehicle probes to collect travel time, speed, and conditions, on ARTERIALS (Total in 2007):

ORGANIZED REGIONAL INCIDENT MANAGEMENT PROGRAM

12. Does your agency's operators or dispatchers report traffic incidents (e.g., stalled vehicles, crashes)?
Yes
No

ELECTRONIC FARE PAYMENT

13. Total number of vehicles where automated dispatching or control software[2] is available (Total in 2007):
Fixed Route Buses:
Heavy or Rapid Rail Stations:
Light-Rail Stations:
Demand Responsive Vehicles:
Commuter Rail Stations:
Ferry Boat Landings:

14. Vehicle/Stations equipped with Smart Card Readers (with embedded computer chip) (Total in 2007):
Fixed Route Buses:
Heavy or Rapid Rail Stations:
Light-Rail Stations:
Demand Responsive Vehicles:
Commuter Rail Stations:
Ferry Boat Landings:

15. Does your agency electronically store collected fare payment data for use in route and service planning?
Yes
No

---

[2] Software that displays AVL-equipped vehicle locations, vehicle data, and operator data on dispatcher monitors, automated control software for light or heavy rail systems, or automated scheduling software for demand responsive service.

16. **Does your agency use the same electronic fare payment system as another Transit agency in your metropolitan area?**
    Yes
    No
    No, there are no other transit agencies

17. **Does you agency use the same electronic fare payment system that can be used by other toll collection systems in your metropolitan area?**
    Yes
    No
    No toll collection

ADVANCED TRAVELER INFORMATION SYSTEM (ATIS)

Please check all the methods your agency uses to disseminate information to the public:

18. **Methods used to disseminate Transit Routes, Schedules, and Fare Information to the public:**
    Internet
    Pagers or personal data assistants:
    E-mail
    511
    Other (non-511) telephone systems
    Kiosks:
    Other (please specify):

19. **Methods used to disseminate Real-time Transit schedule adherence or Arrival and Departure Times to the public:**
    Internet
    Pagers or personal data assistants:
    E-mail
    511
    Other (non-511) telephone systems
    Kiosks:
    Other (please specify):

20. **Total number of facilities (Total in 2007):**
    Bus Stops:
    Rail Stations:
    Bus Depots:

21. **Total number of facilities that electronically display automated or dynamic traveler information (e.g., schedule and system information) to the public (Total in 2007):**
    Bus Stops:
    Rail Stations:
    Bus Depots:

22. Total number of vehicles that electronically display automated or dynamic traveler information (e.g., schedule and system (Total in 2007):
  Fixed Route Bus:
  Heavy or Rapid Rail:
  Light Rail:
  Demand Responsive:
  Commuter Rail:
  Ferry Boat:

SAFETY AND SECURITY

23. Total number of vehicles with audio or video surveillance to enhance security (Total in 2007):
  Fixed Route Bus:
  Heavy or Rapid Rail:
  Light Rail:
  Demand Responsive:
  Commuter Rail:
  Ferry Boat:

24. Total number of facilities with audio or video surveillance to enhance security (Total in 2007):
  Bus Stops:
  Rail Stations:
  Bus Depots:

25. Total number of vehicles that can be remotely shut down via wireless communication (Total in 2007):
  Fixed Route Bus:
  Heavy or Rapid Rail:

26. Does your agency have electronic ID cards for employees?
  Yes
  No

TRANSPORTATION DEMAND MANAGEMENT

27. Does your agency use data from technologies such as AVL/CAD systems and automatic passenger counter systems, to assist in planning?
  Yes
  No

28. Does your agency employ automatic vehicle location, combined with dispatching and reservation technologies to provide flexible routing and scheduling?
  Yes
  No

29. Does your agency employ vehicle monitoring and communication technologies to facilitate the coordination of passenger transfers between vehicle or transit systems?
  Yes
  No

30. Does your agency provide ride sharing and carpool matching services?
> Yes
> No

STATE OF THE PRACTICE

31. Have you deployed/implemented a compliant (XML based) Transit Communications Interface Protocols (TCIP) dialog in any of your ITS projects?
> Yes
>> Between which applications does the TCIP dialog exchange information?
>>
>> Which dialogs are deployed?
>>
>> What were the challenges in implementing the TCIP dialog? (Check all that apply)
>>> Understanding the standard document
>>> Relating the requirements to the standard
>>> Basic XML/XML schema
>>> Generating a valid XML instance document
>>> Other (please specify)
>>
>> Was the dialog difficult to test and deploy?
>>> Yes
>>> No
>>
>> How is the dialog working?
>
> No

32. have you implemented a TCIP dialog in an ITS project demonstration?
> Yes
>> Which demonstration?
>>
>> Is the demonstration still active?
>>> Yes
>>> No
>> What were the metrics used to evaluate the effectiveness of the interface?
>
> No

33. Are you using TCIP data elements/messages in any of your back end systems (e.g., databases, csv files)?
> Yes
>> How are the data being used?
> No

34. Have you specified TCIP or a TCIP dialog in any of your ITS projects?
> Yes
>> Which project?
>>
>> Was the dialog subsequently implemented and deployed?
>>> Yes
>>> No
> No