

Metropolitan Intelligent Transportation Systems (ITS)
Infrastructure 2006 Transit Management Survey

Janesville-Beloit

FLEET CHARACTERISTICS

	1. Total number of vehicles used in revenue service:		2. Total number of vehicles equipped with Automated Vehicle Location (AVL):		3. Total number of vehicles equipped with AVL that are operated and maintained as specified
	Previous response	Total in 2006	Previous response	Total in 2006	Total in 2006
Fixed Route Bus:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Heavy or Rapid Rail:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Light Rail:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Demand Responsive:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Commuter Rail:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Ferry Boat:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Other (please specify): <input type="text"/>			N/A	<input type="text"/>	<input type="text"/>

	4. Total number of vehicles with real-time monitoring of vehicle components:		5. Total number of vehicles with real-time monitoring of vehicle components that are operated and maintained as specified	6. Total number of vehicles where automated dispatching or control software* is available:		7. Total number of vehicles where automated dispatching or control software is available that are operated and maintained as specified
	Previous response	Total in 2006	Total in 2006	Previous response	Total in 2006	Total in 2006
Fixed Route Bus:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Heavy or Rapid Rail:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Light Rail:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Demand Responsive:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Commuter Rail:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Ferry Boat:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Other (specified in question 1):	N/A	<input type="text"/>	<input type="text"/>	N/A	<input type="text"/>	<input type="text"/>

TRAFFIC SIGNAL PRIORITY:

	Previous response	Total in 2006
8. Number of Fixed Route Buses that have traffic signal priority capability:	<input type="text"/>	<input type="text"/>
9. Number of Light rail vehicles that have traffic signal priority capability:	<input type="text"/>	<input type="text"/>
10. Number of Demand Responsive vehicles that have traffic signal priority capability:	<input type="text"/>	<input type="text"/>
11. Number of other (as specified in question 1) vehicles that have traffic signal priority capability:	N/A	<input type="text"/>

RAMP METER SIGNAL PRIORITY:

	Previous response	Total in 2006
12. Number of Fixed Route Buses with ramp meter signal priority capability:	<input type="text"/>	<input type="text"/>
13. Number of Demand Responsive vehicles with ramp meter signal priority capability:	<input type="text"/>	<input type="text"/>
14. Number of other (as specified in question 1) vehicles with ramp meter signal priority capability:	N/A	<input type="text"/>

* 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.

VEHICLES OPERATED AS VEHICLE PROBES

	15. Total number of vehicles operated as vehicle probes on FREEWAYS:		16. Total number of vehicles operated as vehicle probes on ARTERIALS:	
	Previous response	Total in 2006	Previous response	Total in 2006
Fixed Route Buses:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Demand Responsive:	N/A	<input type="text"/>	N/A	<input type="text"/>
Other (as specified in question 1):	N/A	<input type="text"/>	N/A	<input type="text"/>

ORGANIZED REGIONAL INCIDENT MANAGEMENT PROGRAM:

17. Does your agency's operators or dispatchers report traffic incidents (e.g., stalled vehicles, crashes)?

Previous response:

Yes

Has this reporting system had a measurable impact on customer satisfaction?

Yes

No

No

ELECTRONIC FARE PAYMENT:

18. Vehicles/Stations equipped with Magnetic Stripe Readers

19. Vehicle/Stations equipped with Smart Card Readers (with embedded computer chip)

	18. Vehicles/Stations equipped with Magnetic Stripe Readers		19. Vehicle/Stations equipped with Smart Card Readers (with embedded computer chip)	
	Previous response	Total in 2006	Previous response	Total in 2006
Fixed Route Buses:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Heavy or Rapid Rail Stations:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Light-Rail Stations:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Demand Responsive Vehicles:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Commuter Rail Stations:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Ferry Boat Landings:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

20. Does your agency electronically store collected fare payment data for use in route and service planning?

Previous response:

Yes

No

21. Does your agency use the same electronic fare payment system as another Transit agency in your metropolitan area?

Previous response:

Yes

No

No, there are no other Transit Agencies

22. Does you agency use the same electronic fare payment system that can be used by other toll collection systems in your metropolitan area?

Previous response:

- Yes
- No
- No, there is no Toll Collection

ADVANCED TRAVELER INFORMATION SYSTEM (ATIS):

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

	23. Methods used to disseminate Transit Routes, Schedules, and Fare Information to the public:		24. Methods used to disseminate Real-time Transit schedule adherence or Arrival and Departure Times to the public:	
	Previous response	In 2006	Previous response	In 2006
Dedicated cable TV:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Automated telephone system:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Internet Web sites	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pagers or personal data assistants:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Interactive TV:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kiosks:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E-mail or other direct PC communication:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
In-vehicle navigation systems:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Variable Message Signs (in vehicle):	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Monitors/VMS (not in vehicles):	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Audible Enunciators:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Facsimile:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
511 Telephone System:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

25. Have the methods of information dissemination checked above had a measurable impact on customer satisfaction?

- Yes
- No

	26. Total number of facilities		27. Total number of facilities that electronically display automated or dynamic traveler information (e.g., schedule and system information) to the public:		28. How many of these facilities are operated and maintained as specified?	29. Have these display of information had a measurable impact on customer satisfaction?	
	Previous response	Total in 2006	Previous response	Total in 2006	Total in 2006	Yes	No
Bus Stops:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rail Stations:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bus Depots:	N/A	<input type="text"/>	N/A	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify):	N/A	<input type="text"/>	N/A	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>

30. Total number of vehicles that electronically display automated or dynamic traveler information (e.g., schedule and system information) to the public:

31. How many are operated and maintained as specified?

32. Has this display of information had a measurable impact on customer satisfaction?

	Total in 2006	Total in 2006	Yes	No
Fixed Route Bus:	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
Heavy or Rapid Rail:	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
Light Rail:	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demand Responsive:	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commuter Rail:	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ferry Boat:	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (as specify in question 1):	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>

SAFETY AND SECURITY

33. Total number of vehicles/facilities with audio or video surveillance to enhance security:

34. Has audio and/or video surveillance at these vehicles/facilities had a measurable impact on customer satisfaction?

	Total in 2006		Yes	No
Fixed Route Bus:	<input type="text"/>	Fixed Route Bus:	<input type="checkbox"/>	<input type="checkbox"/>
Heavy or Rapid Rail:	<input type="text"/>	Heavy or Rapid Rail:	<input type="checkbox"/>	<input type="checkbox"/>
Light Rail:	<input type="text"/>	Light Rail:	<input type="checkbox"/>	<input type="checkbox"/>
Demand Responsive:	<input type="text"/>	Demand Responsive:	<input type="checkbox"/>	<input type="checkbox"/>
Commuter Rail:	<input type="text"/>	Commuter Rail:	<input type="checkbox"/>	<input type="checkbox"/>
Ferry Boat:	<input type="text"/>	Ferry Boat:	<input type="checkbox"/>	<input type="checkbox"/>
Other vehicles (as specify in question 1):	<input type="text"/>	Other vehicles (as specify in question 1):	<input type="checkbox"/>	<input type="checkbox"/>
Bus stops:	<input type="text"/>	Bus stops:	<input type="checkbox"/>	<input type="checkbox"/>
Rail stations:	<input type="text"/>	Rail stations:	<input type="checkbox"/>	<input type="checkbox"/>
Bus Depots:	<input type="text"/>	Bus Depots:	<input type="checkbox"/>	<input type="checkbox"/>
Other facilities (as specified in question 26):	<input type="text"/>	Other facilities (as specified in question 26):	<input type="checkbox"/>	<input type="checkbox"/>

35. Total number of vehicles that can be remotely shut down via wireless communication:

Fixed Route Bus:

Heavy or Rapid Rail:

TRANSPORTATION DEMAND MANAGEMENT

36. Did your agency perform a system engineering analysis for any ITS technologies you have deployed?

Yes

Did the analysis include a formal cost-benefit calculation?

Yes

No

No

37. Does your agency use data from technologies such as AVL/CAD systems and automatic passenger counter systems, to assist in planning?

- Yes
 No

38. Are your systems for distributing traveler information via Internet or wireless devices operated and maintained as specified?

- Yes
 No
 Not Applicable

39. Have your systems for distributing traveler information via Internet or wireless devices had measurable impact on customer satisfaction?

- Yes
 No
 Don't know
 Not Applicable

40. Does your agency employ automatic vehicle location, combined with dispatching and reservation technologies to provide flexible routing and scheduling?

- Yes
 No

41. Does your agency employ vehicle monitoring and communication technologies to facilitate the coordination of passenger transfers between vehicle or transit systems?

- Yes
 No

42. Does your agency provide ride sharing and carpool matching services?

- Yes
 No

ITS ARCHITECTURE AND DATA ARCHIVING

43. Is your agency involved in a formal effort to develop a regional ITS architecture?

- Yes

What is the status of the regional ITS architecture?

- Our region has a fully developed regional ITS architecture undergoing continuing development and updating
 Our regional ITS architecture is under initial development

How long has your agency been involved in the region's ITS architecture development effort?

- Under 1 year
 1-2 years
 More than 2 years
 Do not know
 Not involved

- No, why not?

- There is no such effort underway in our region
 There is an effort underway, but we are not involved

44. Has your agency been involved in the development of ITS data archiving?

- Yes, this agency leads the effort
- Yes, as a participant
- No, we are aware of it, but have not been involved
- No
- Do not know

SYSTEM COST INFORMATION

45. Please provide the implementation year, vendor name, system cost and annual operating cost for any ITS technologies that your agency has implemented in the last 5 years

	Year of Implementation	Vendor	System Cost	Annual Operating Cost
Automatic Vehicle Location Systems				
Real-time monitoring of Vehicle components or subsystems				
Automated Dispatching or Control Software, Computer-Aided Dispatching (CAD)				
Systems to use transit vehicles as probes of speed, travel time, and conditions of freeways and arterials				
System for real-time reporting of incidents				
Systems for collection and management of fares				
Audio and Video surveillance, including related communications, storage, processing and analysis systems				
Automated passenger counting systems, including communication, storage and analysis systems to make use of the information				
Internet systems and services needed to support dissemination of information, including schedules, outages, automated routing, pricing				
Systems to support ride sharing and carpool matching services				
Other ITS systems (please specify)				