

The District Capital, City of Toyota

Experiments of :

- Advanced Transportation Information
- Park and Ride at Events
- Shared Use of Low Emission Vehicles

Toyota City, Aichi, Japan

Traffic problems of Toyota City

- Permanent traffic jams in the center, or around big factories
- enhancement of short-time trip for commuting
- increase of traffic accident

Menu of the Experiments

To Relief the Traffic within the City

For Efficiency of Road Usage

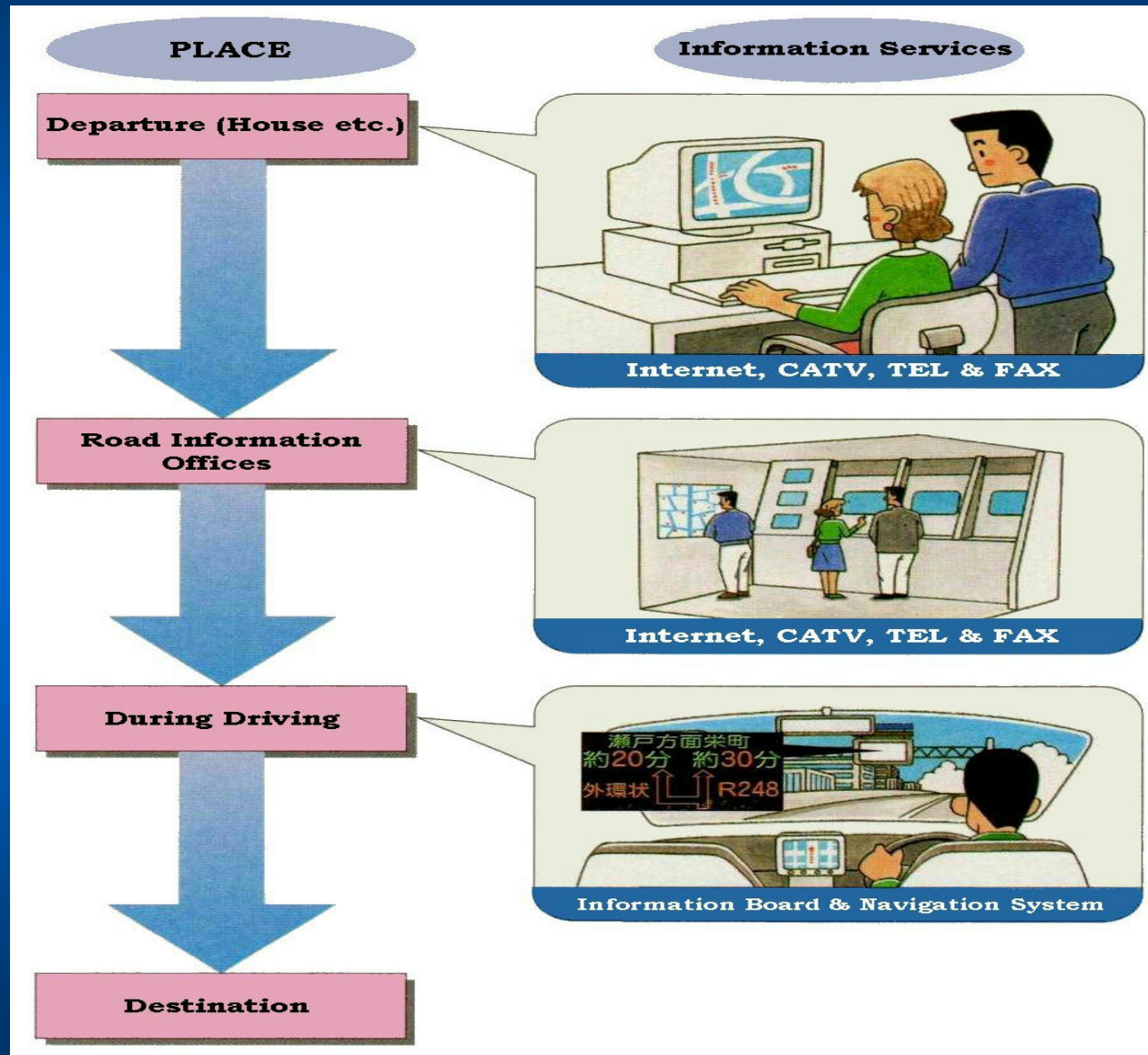
Advanced Transportation Information

For Efficiency of Automobile Usage

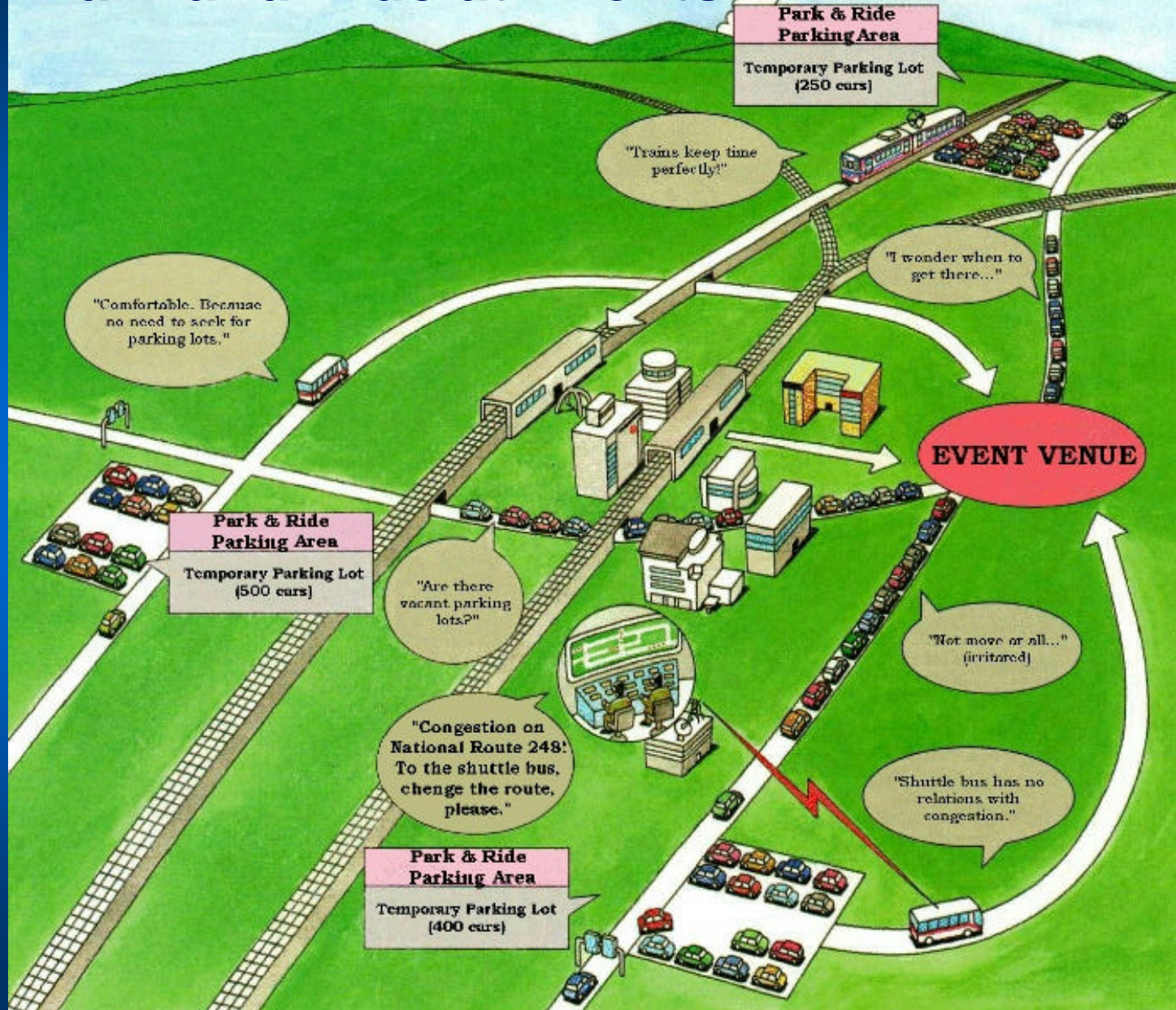
Park and Ride at Events

Shared Use of Low Emission Vehicles

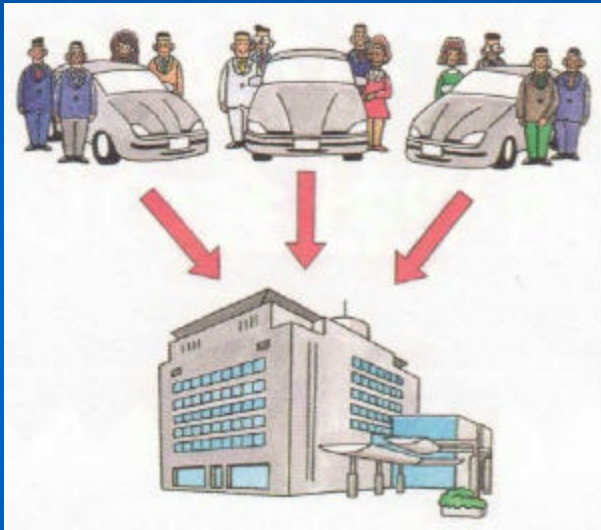
Advanced Transportation Information



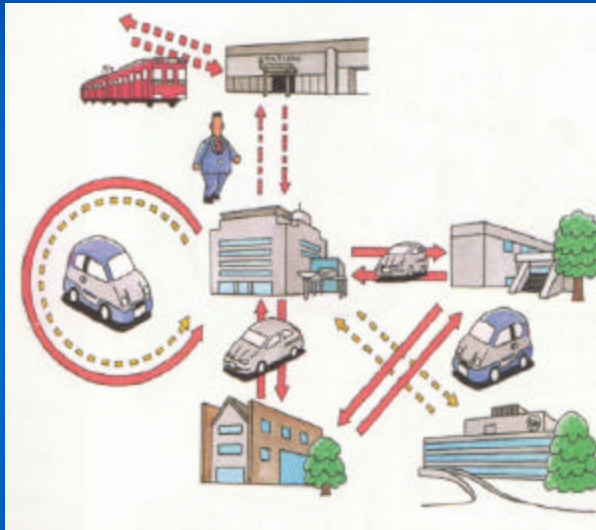
Park and Ride at Events



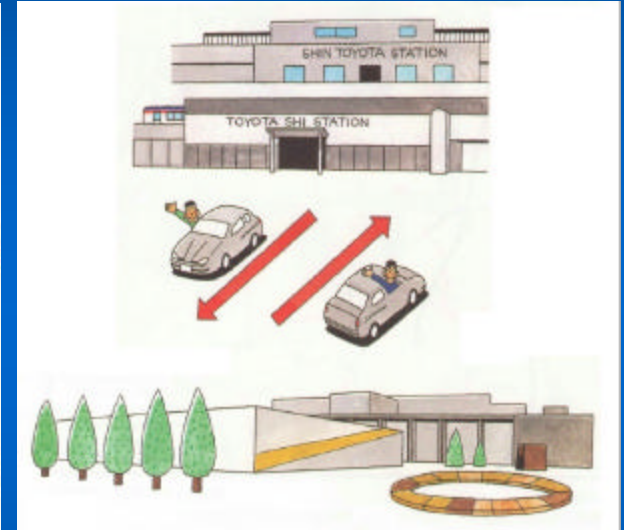
Shared Use of Low Emission Vehicles



Carpool



Shared Ride

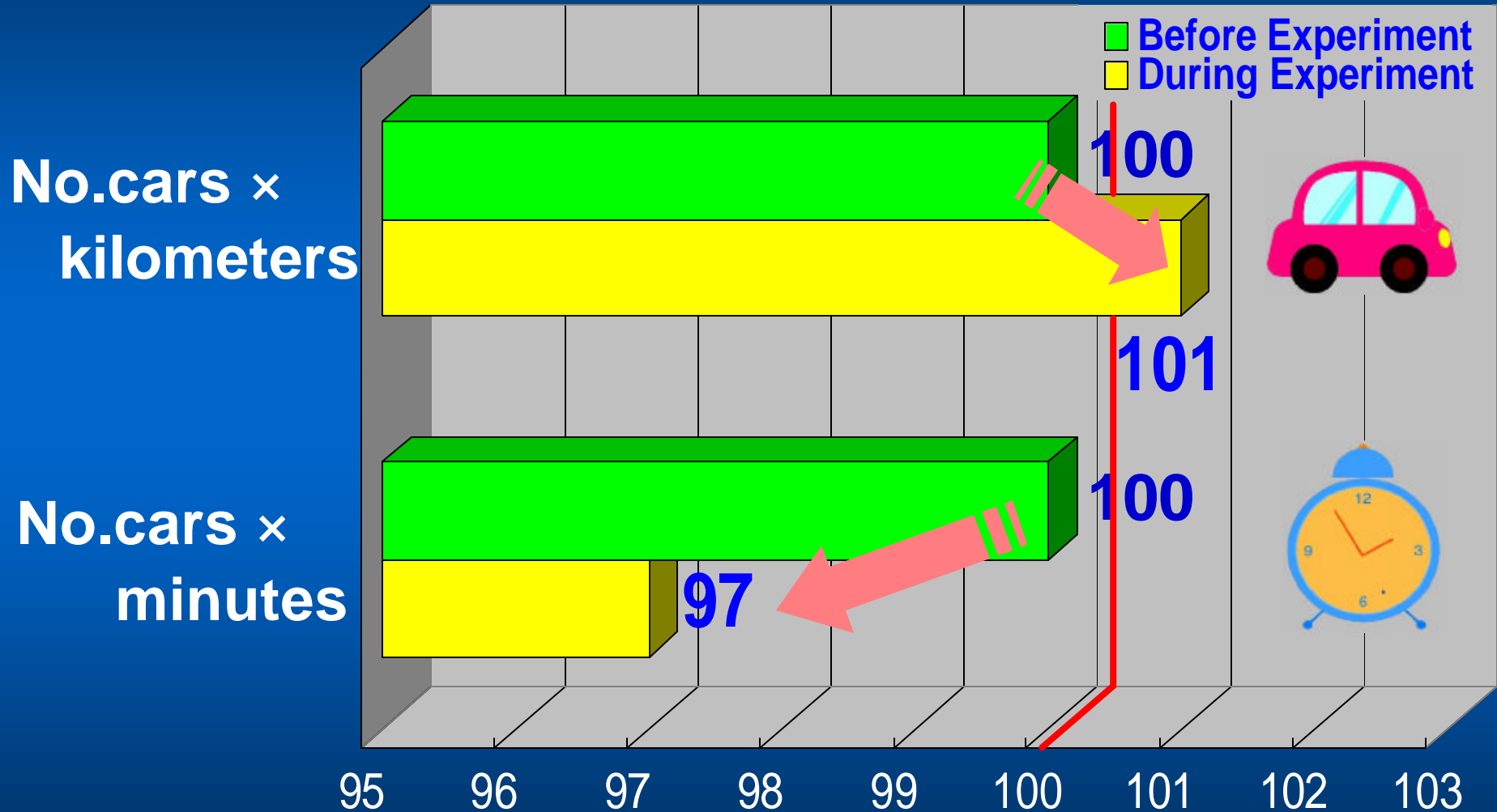


**Short-Distance
Transportation**

Surveys Implemented to Evaluate the

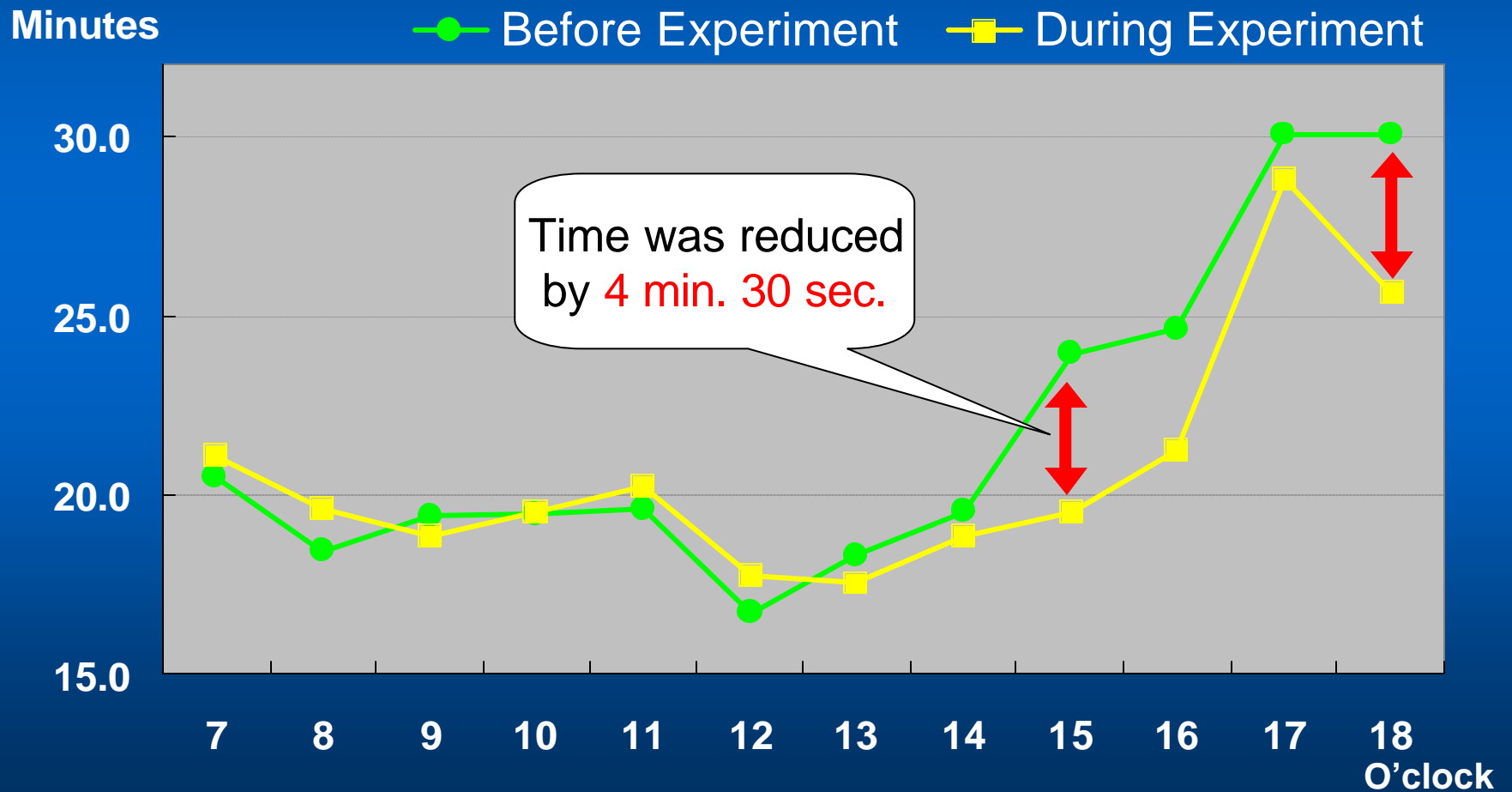
Surveys		Experiments	Advanced Transportation Information	Park and Ride at Events	Shared Use of Low Emission Vehicles
Before Experiments	Traffic Amount Survey	☐			
	Traffic Congestion Length Survey	☐			
	Driving Time Survey	☐		☐	
During Experiments	Traffic Amount Survey	☐			
	Traffic Congestion Length Survey	☐			
	Driving Time Survey	☐		☐	
	Park and Ride Participation Survey			☐	
	Shuttle Bus Driving Time Survey			☐	
	Survey of Operation Results of Shared Use Vehicles				☐
Questionnaire Surveys	To Drivers			☐	
	To Park and Ride Participants			☐	
	To Targeted Event Participants of Park and Ride				☐
	To Shared Use Participants	☐		☐	☐
	To General Citizens	☐			

Advanced Transportation Information

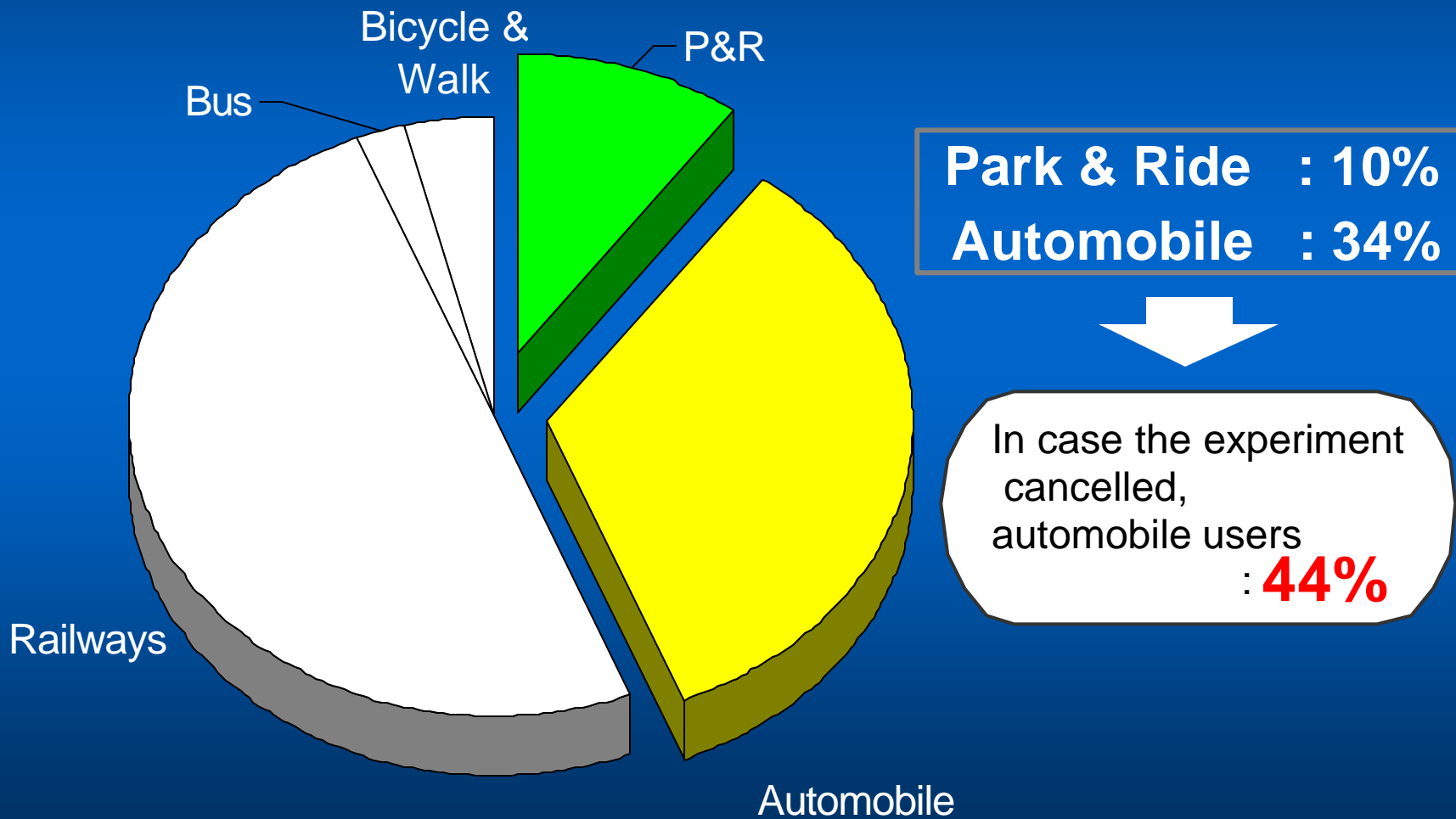


Advanced Transportation Information

Change of Average Driving Time from Toyota-cho to Sakae-machi

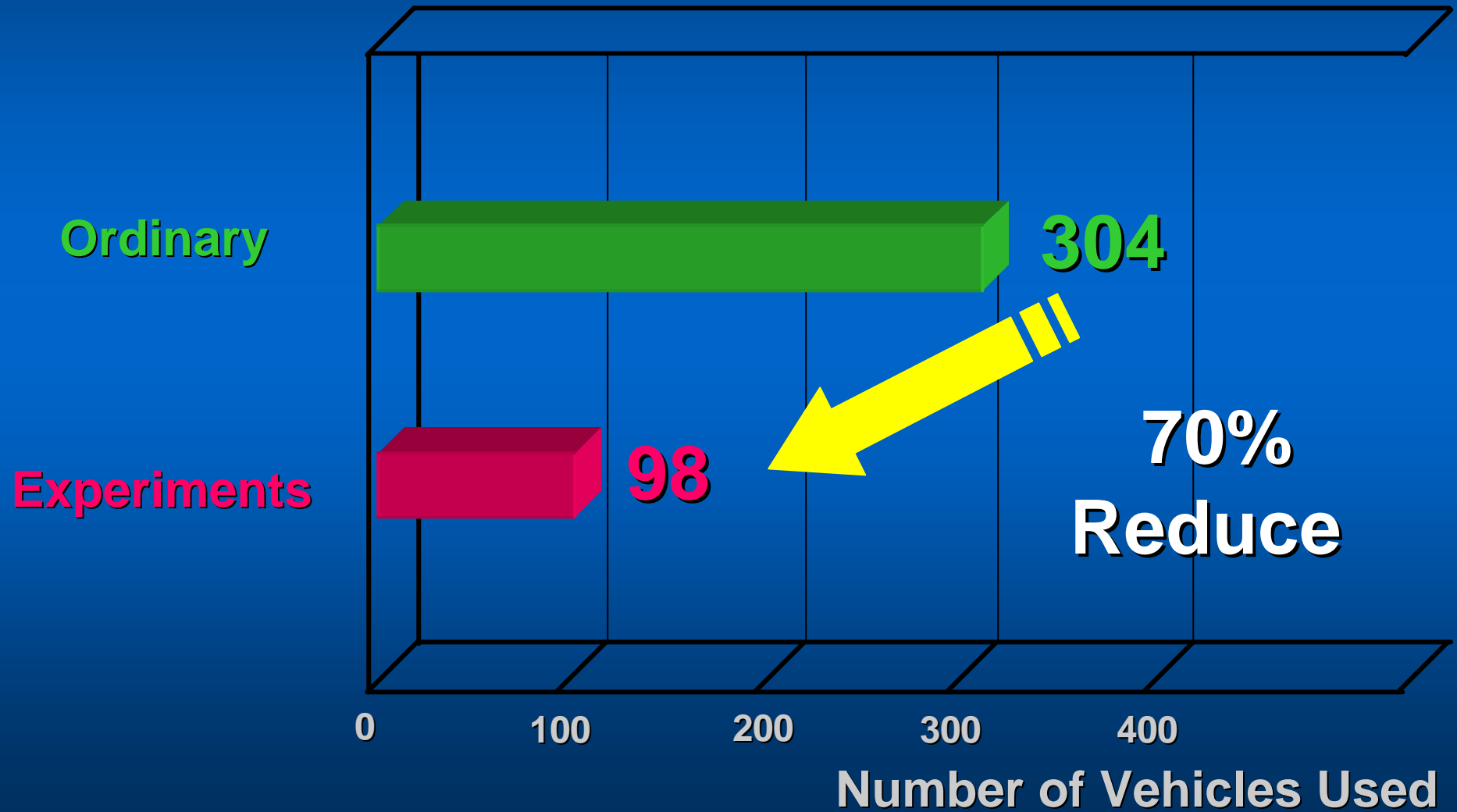


Distribution of Transportation Methods of the Event Participants



Carpool

Effects Based on the Experiments

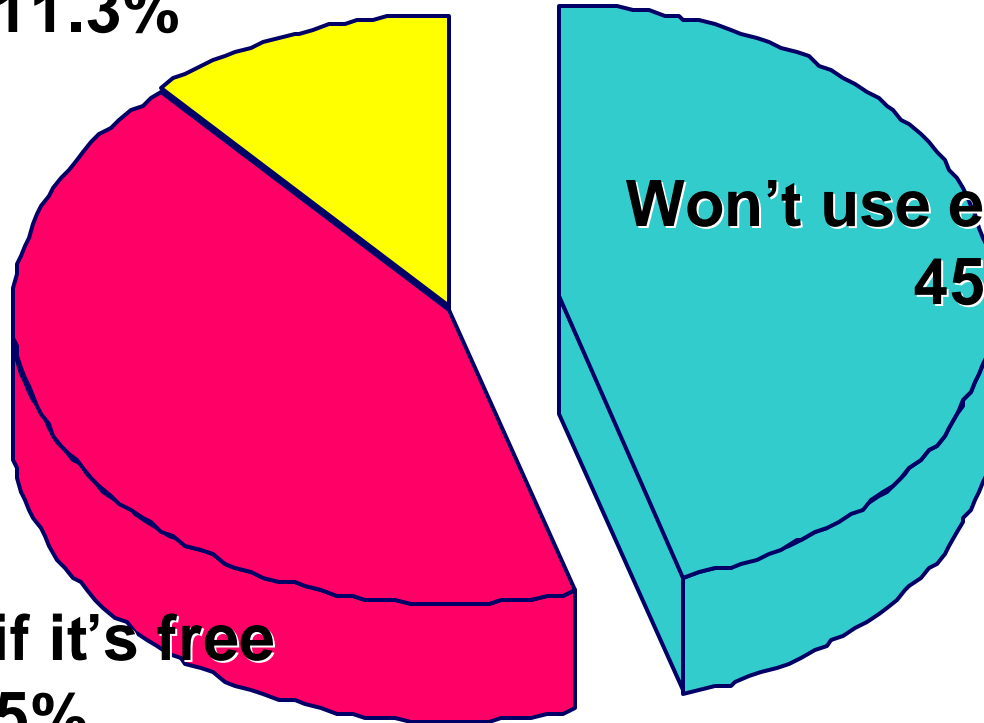


Participant's Intention

Will use even if it costs
11.3%

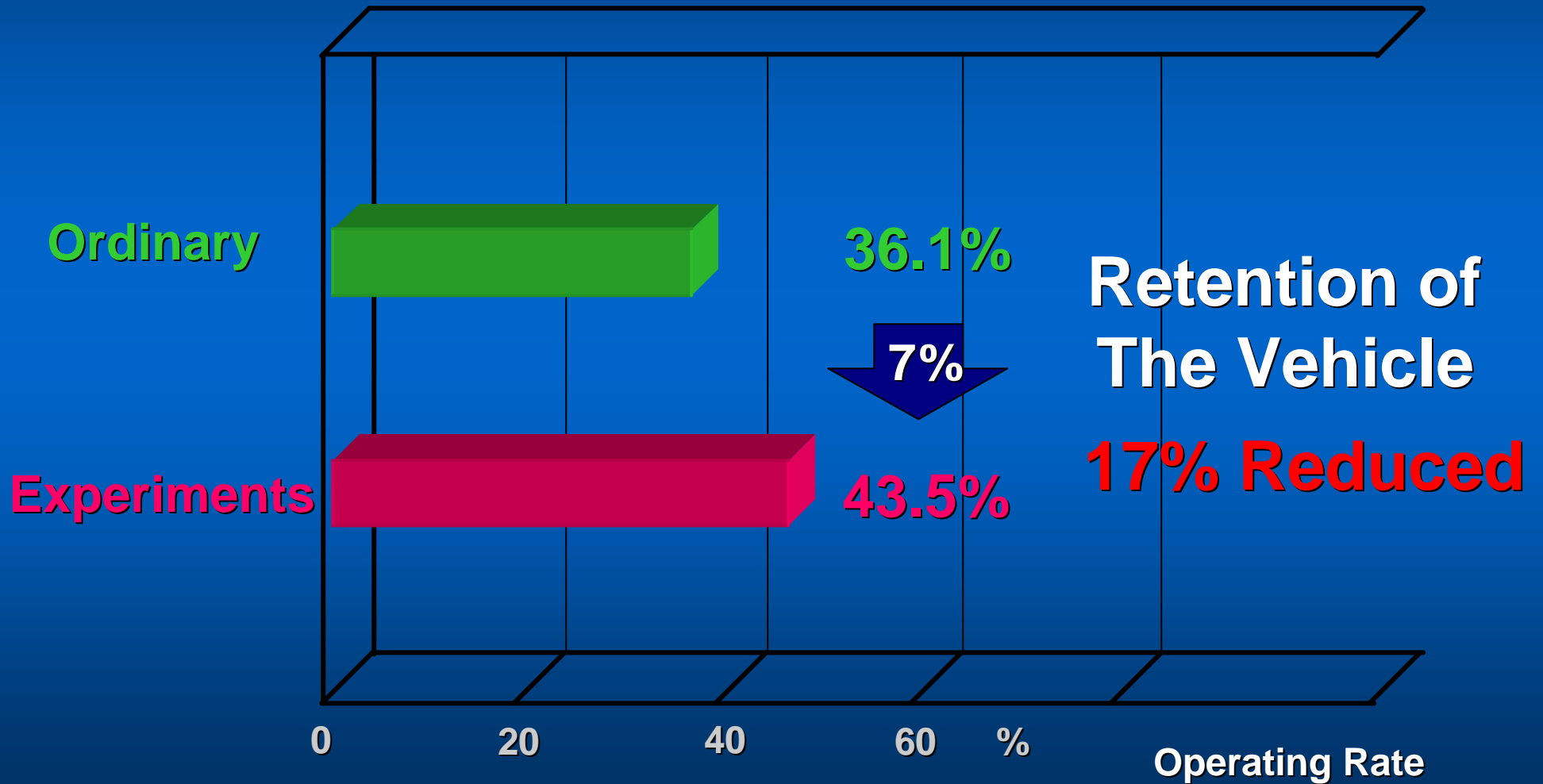
Will use if it's free
43.5%

Won't use even if it's free
45.2%

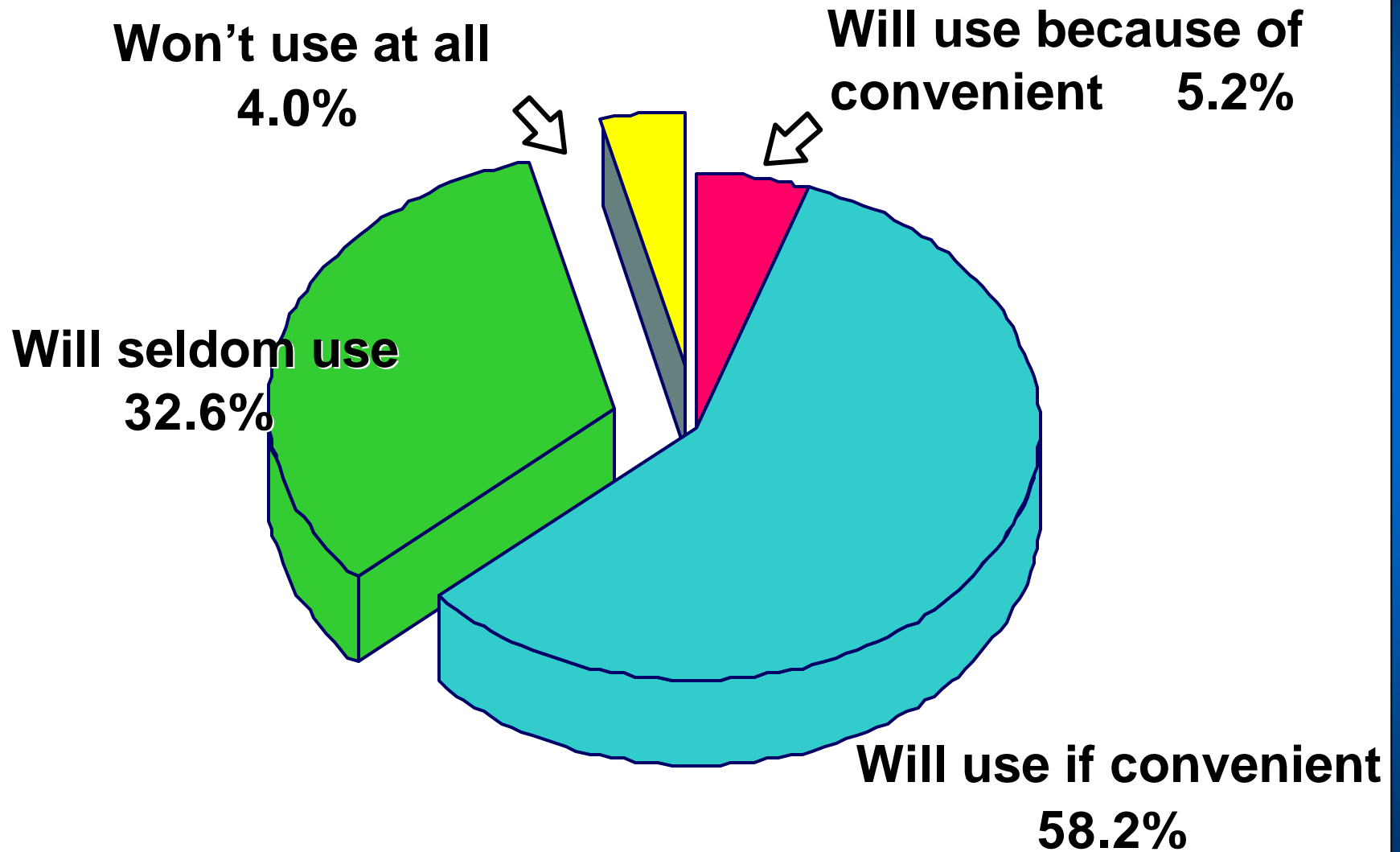


Shared Ride

Effects Based on the Experiments



Participant's Intention



Short-Distance Transportation

❑ Effects Based on the Experiments

- The Effects : Total Driving Vehicles-Kilometers were **342.8km** reduced.
- The method of transportation to the Toyota City Museum was converted to trains.

❑ Participant's Intention

- The Participant's Intention : **59%** of participants desired to make the systems fit for practical use within 2 or 3 years.

Desirable Facilities to Introduce of Short-Distance Transportation Systems

