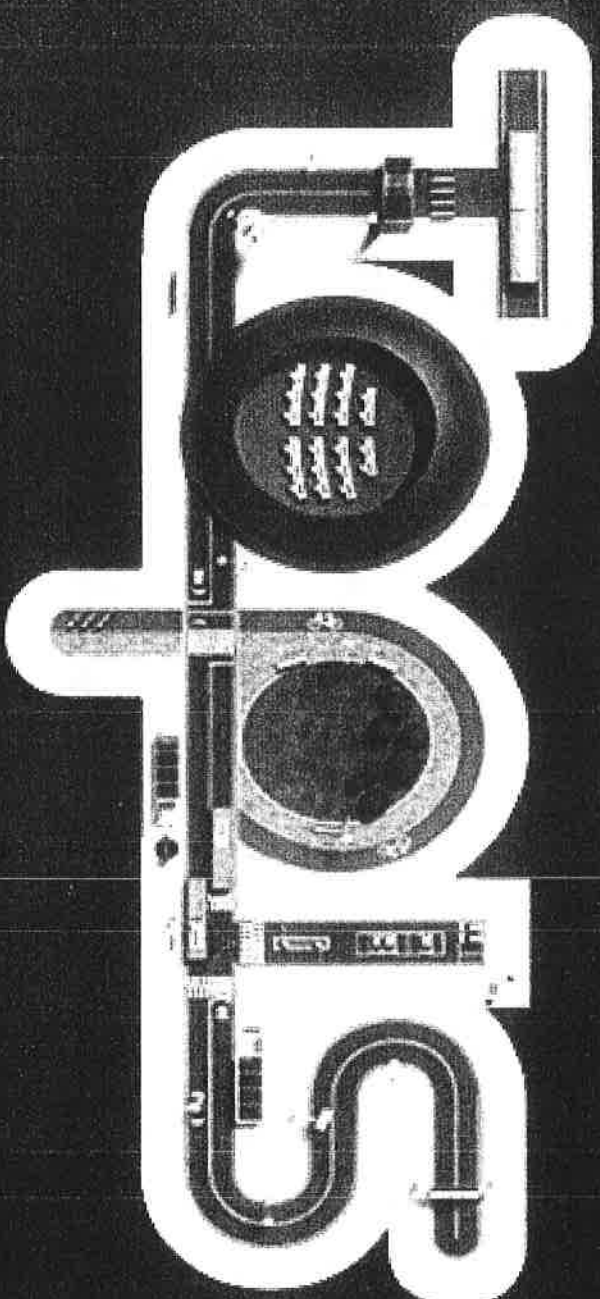
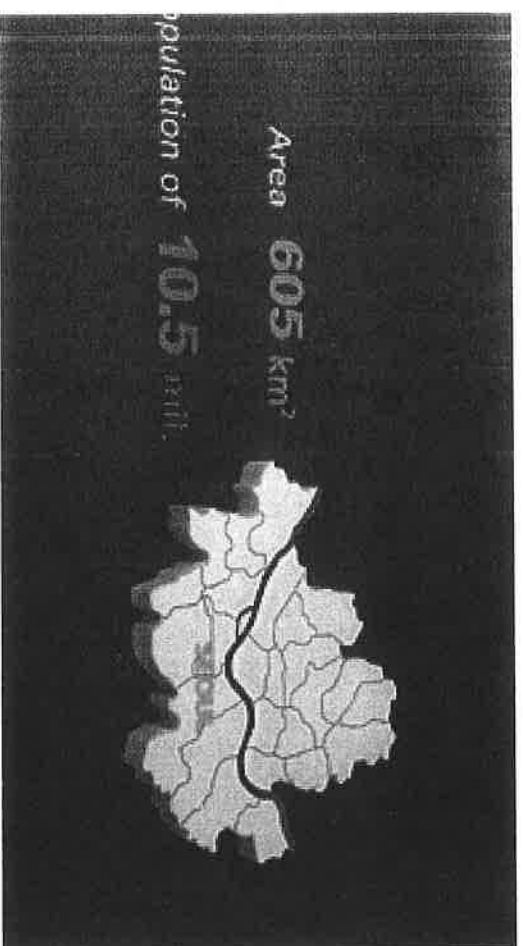


# SEOL



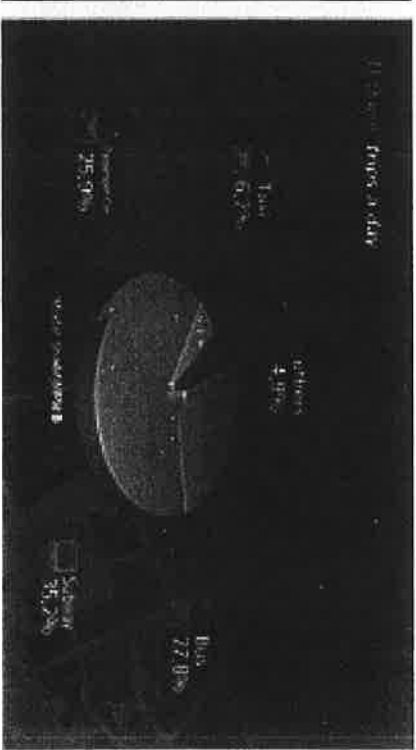
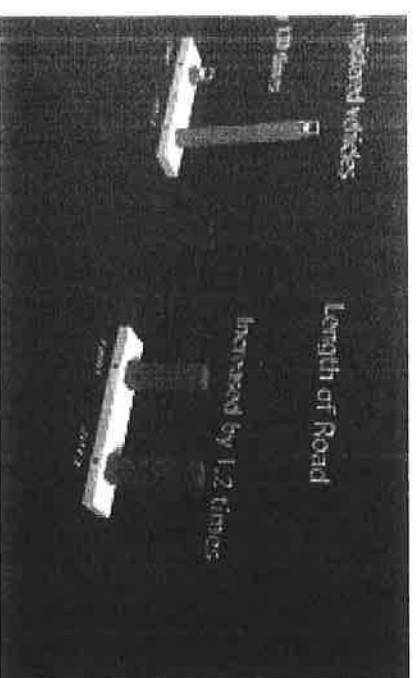
## Transportation Operation & Information Service

### English



#### Information on Transportation in Seoul

- Area : 605 km<sup>2</sup>
- Population : 10.5 million
- Registered Vehicles : 297 million vehicles (increase by 130 times from 1980)
- Total Road Length : 8,102 km (increase by 1.2 times from 1980's)
- Trip Production : 31.9 million trips per day



Change in Transportation Policy



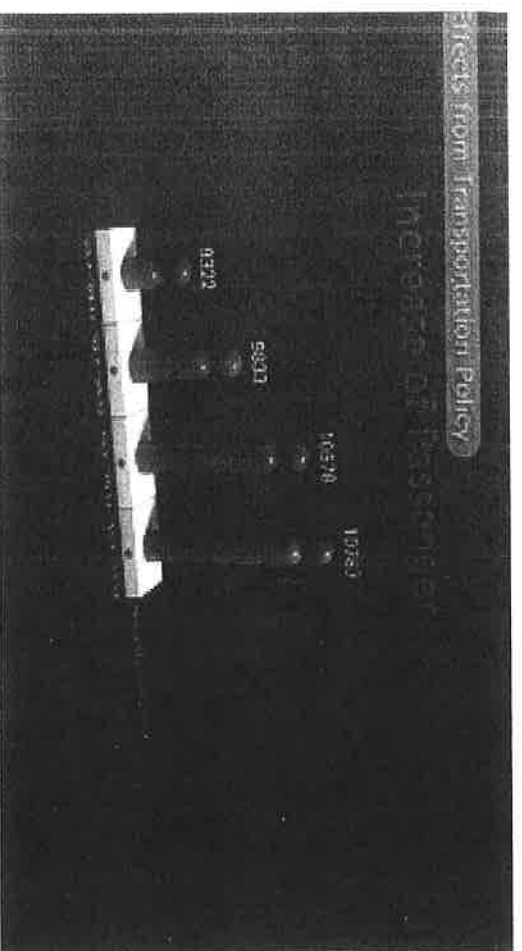
Change in Transportation Policy (1950 ~ 1999)

- Inadequate Transportation Infrastructure (1950~1969)
- Expansion of Urban Infrastructure (1970~1989)
- Urban Expansion and Transportation Problems (1990~1999)



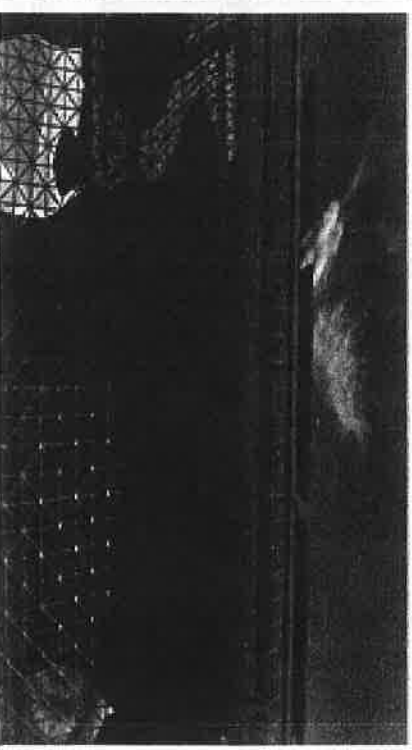
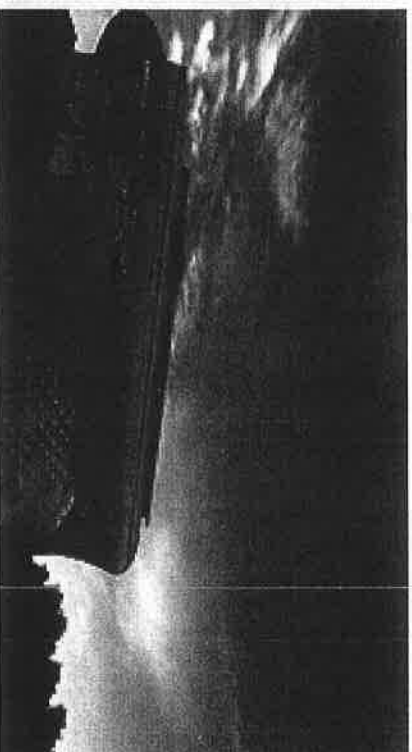
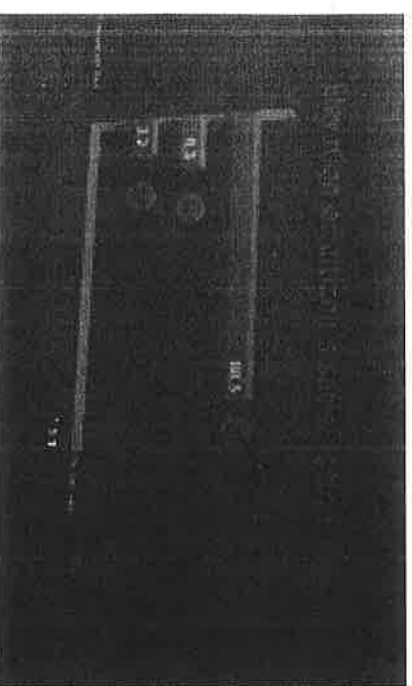
Effects from Transportation Policy

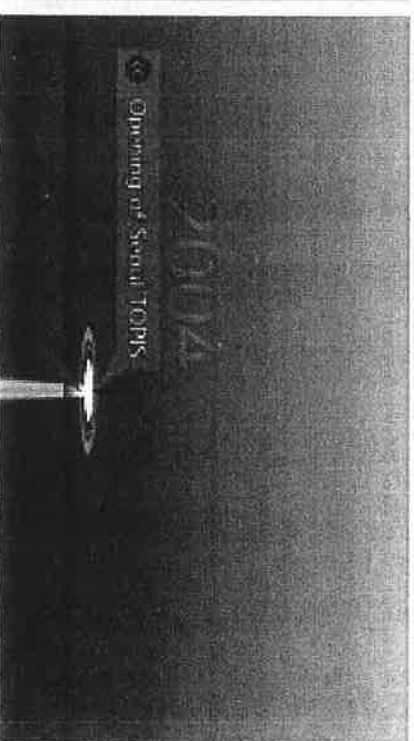
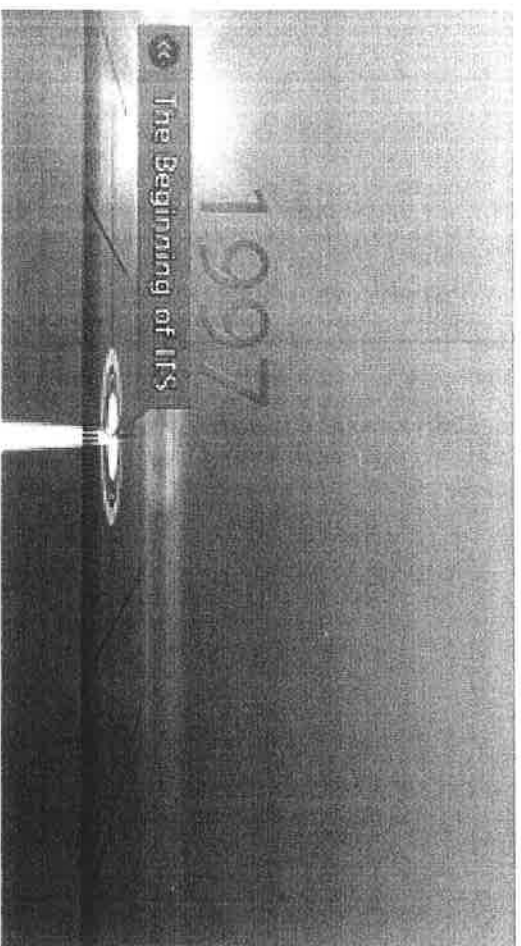
Increase of Passenger



Effects of Policies on Traffic and Transportation

- Consistent increase of public transportation users
- Improved satisfaction of citizens with public transportation

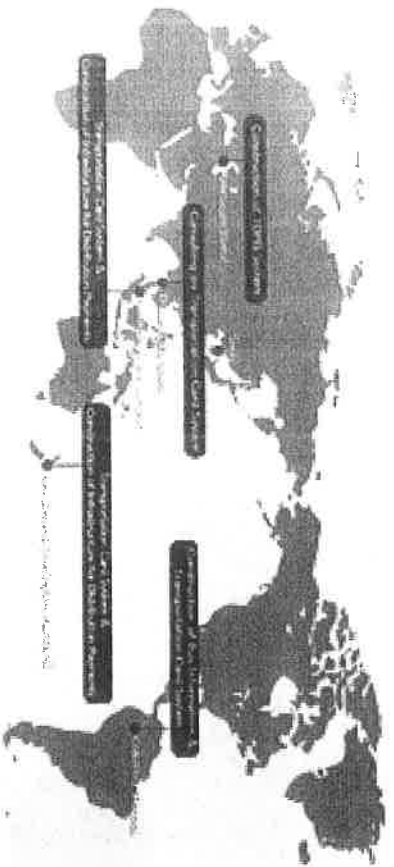




### History of TOPS ( 1997 ~ 2004 )

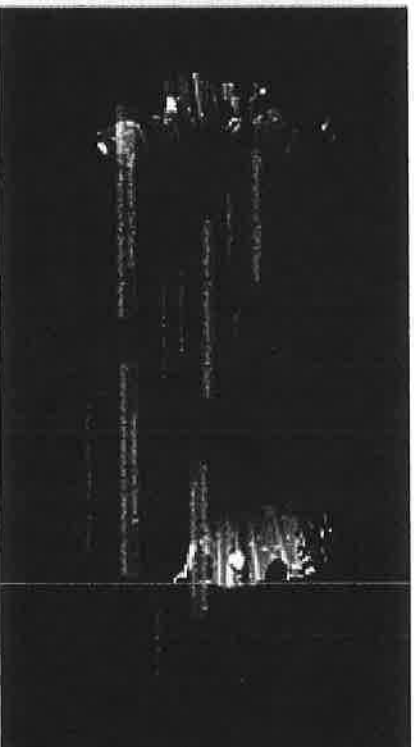
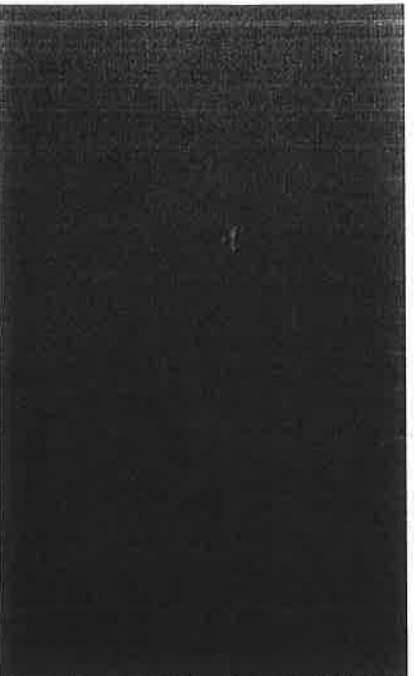
- Construction of Traffic Management System in 1997
- Opening of TOPS in 2004

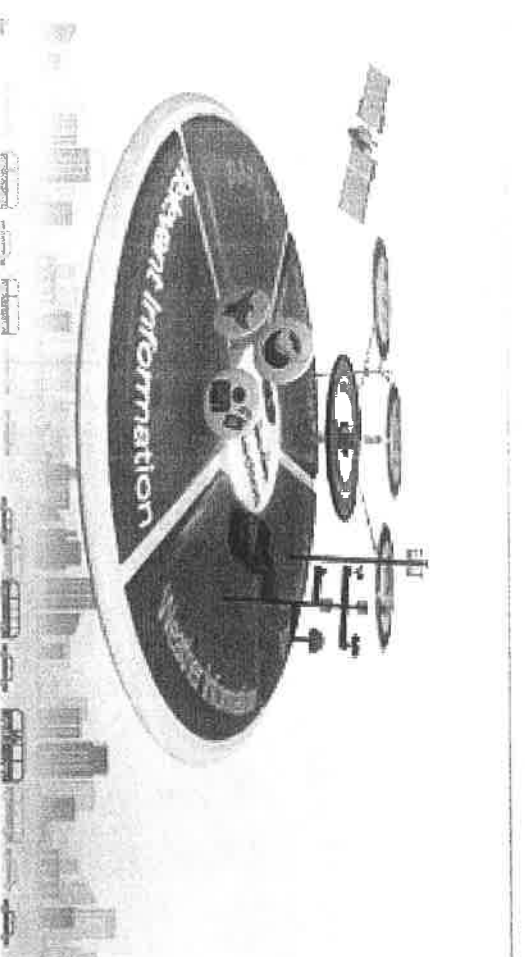




### Expansion of Traffic Management System

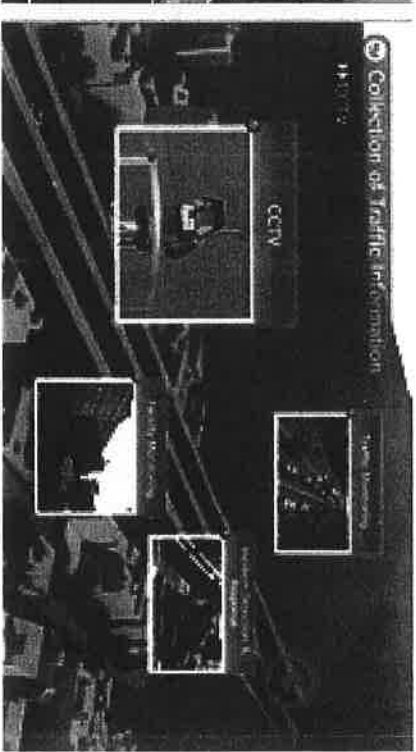
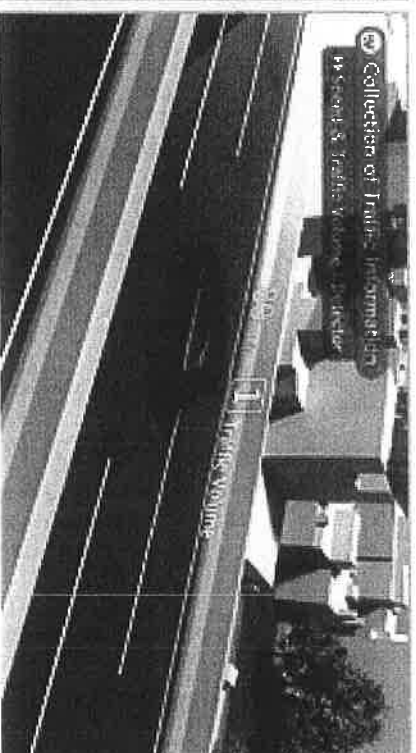
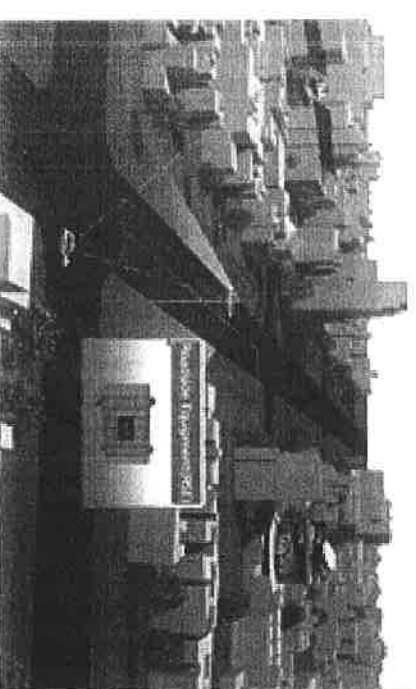
- Many nations have adopted the advanced transportation system of Seoul

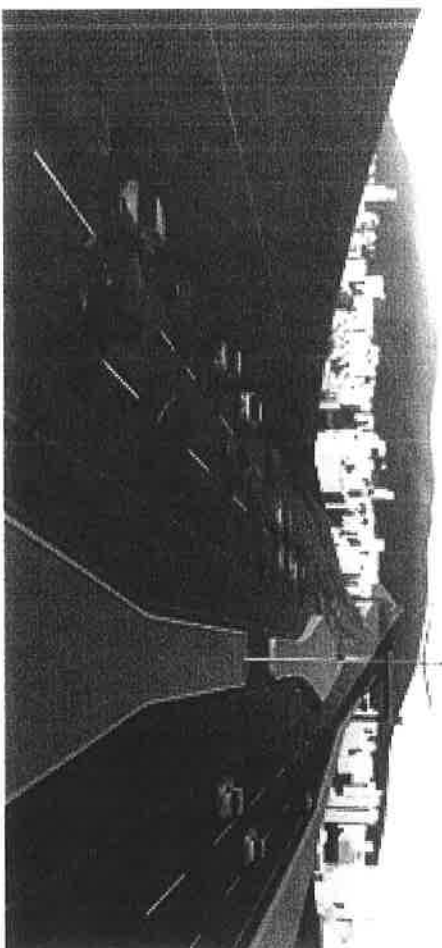




### Collection and Processing of Traffic Information

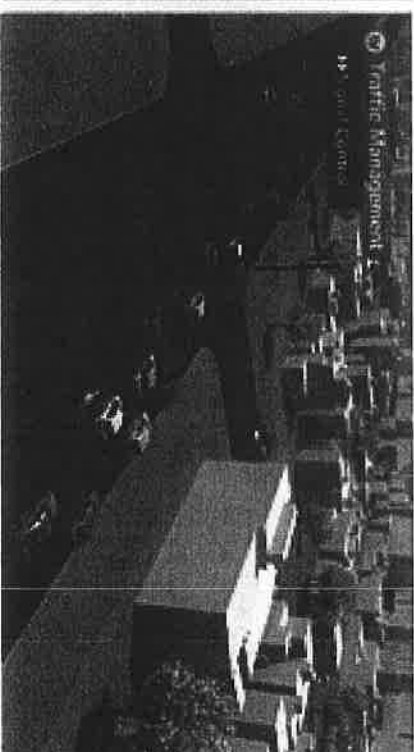
- Leased Communication Network / In-house Communication Network
- Loop Detector / Visual Detector
- CCTV / On-road Weather Information System (RWS)
- Collection of Relevant Information
- (Metropolitan Police Agency, Meteorological Administration, Citizen's tip-off)
- Real-time Processing System upon Collected Information





### Responsive System of Traffic Management

- Automatic Incident Detection
- Information via Variable Message Signs
- Lane Control System / Ramp Metering System
- Signal Control
- Incident Simulation & Traffic Analysis System







서울교통정보센터

Seoul Transport Operation  
& Information Service

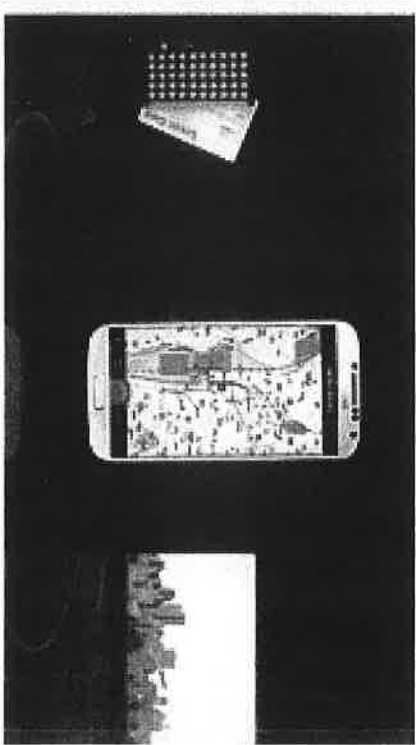
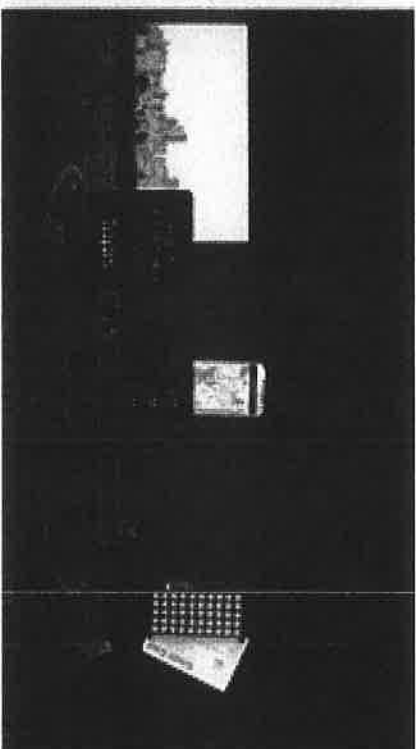
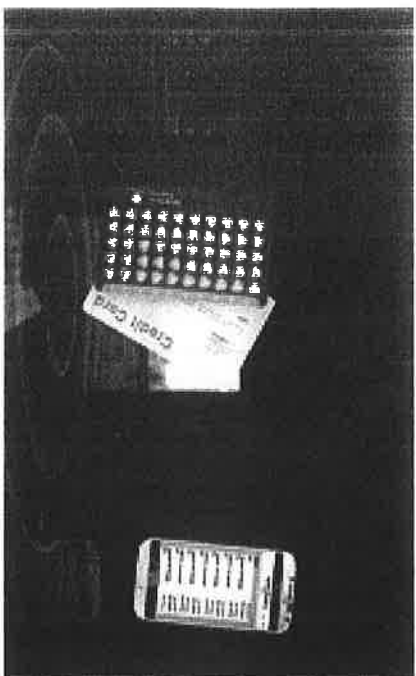
## PUBLIC TRANSPORTATION INFORMATION SYSTEM

Smart Public Transportation-Oriented City  
based on Advanced IT



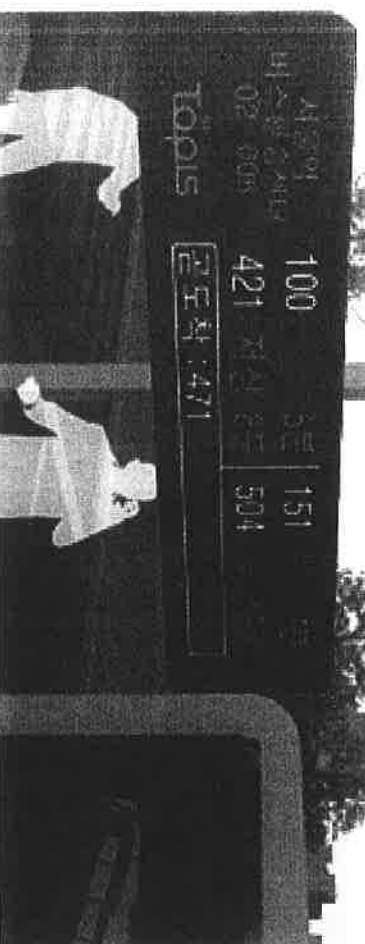
### Smart Public Transportation-Oriented City

- Construction of Smart Public Transportation-Oriented City based on Advanced IT



Bus Information System(BIS)

BIT



### Bus Information System

- Information Available through Various Media  
(BIT, Smart Phone, ARS, QR Code, Official Website)
- Information Shared by Over 1.4 Million People on Daily Basis
- Implementation of Integrated Public Transportation Information Service

Information System(BIS)

Smart Phone



Bus Information System(BIS)

QR Code

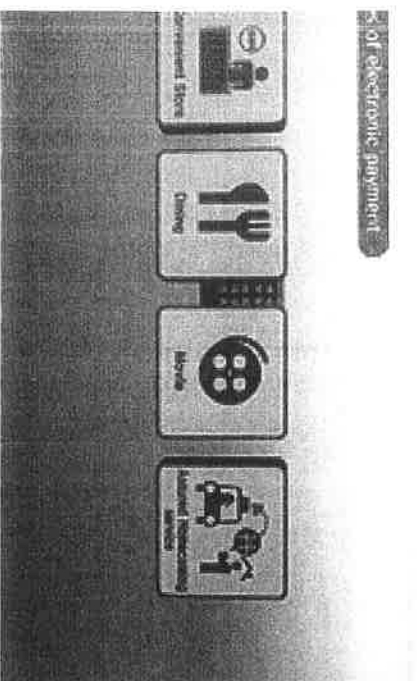
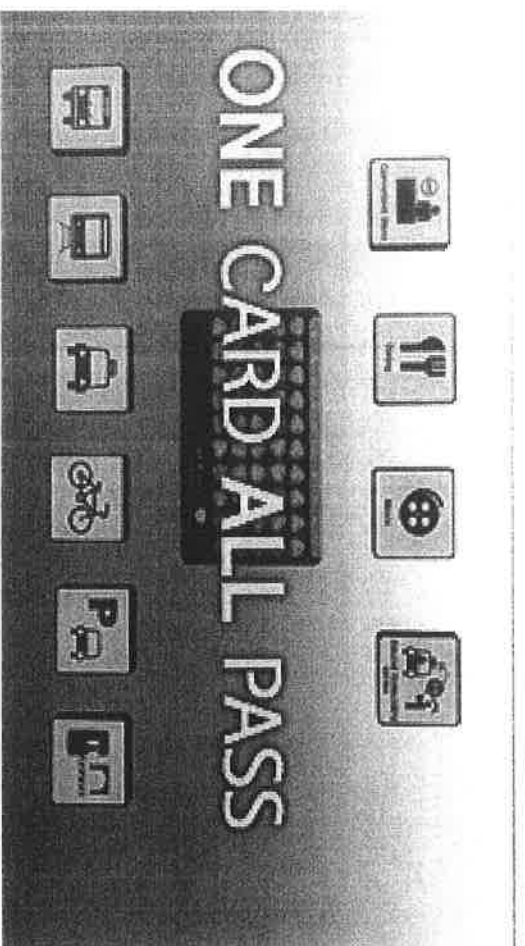


94%

Provision of Bus Information

96.1%

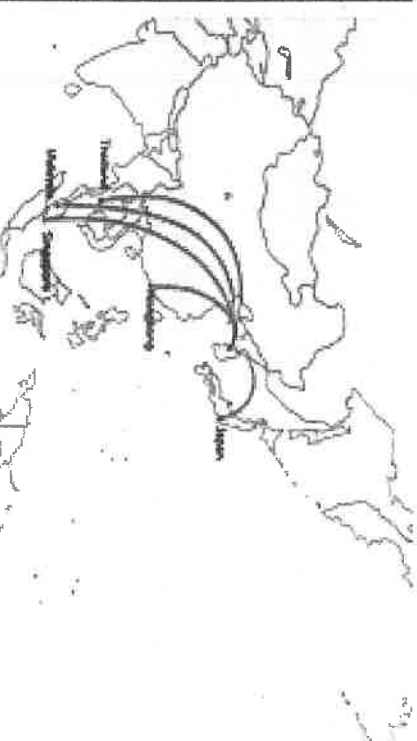
User Satisfaction



**Utilization of Electronic Payment System**

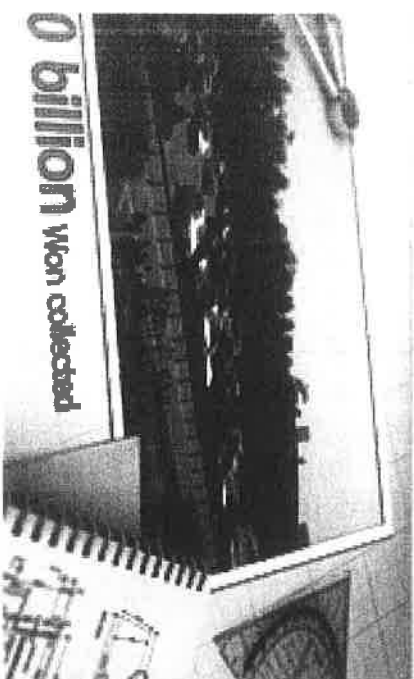
- ONE CARD ALL PASS
- Expansion of Transportation Card System

**(Nation-wide Compatibility & Standardization / International Compatibility and Standardization)**

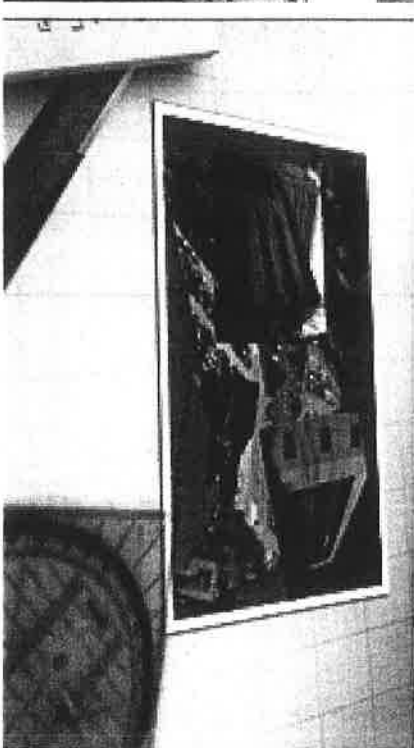
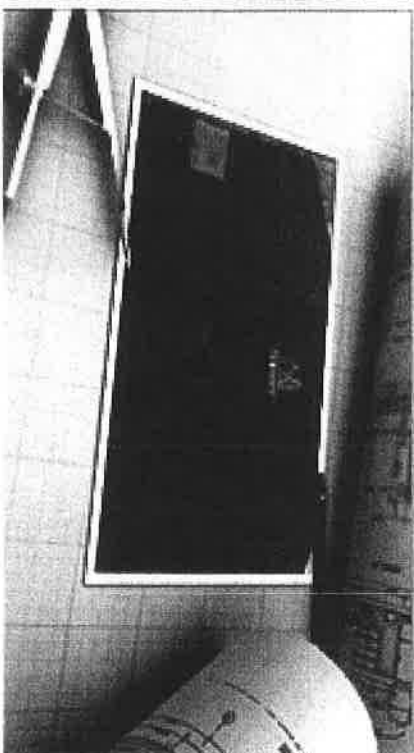




3 million annual enforcements

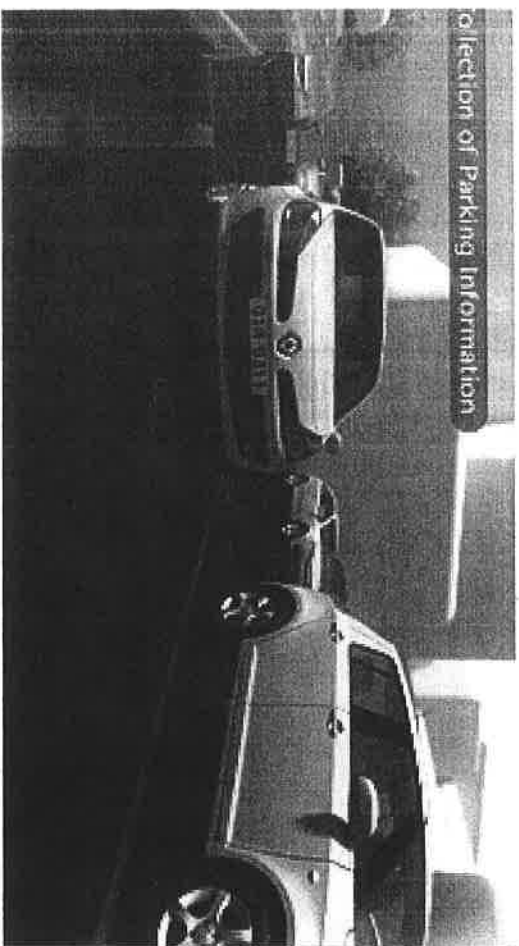


0 billion Won collected



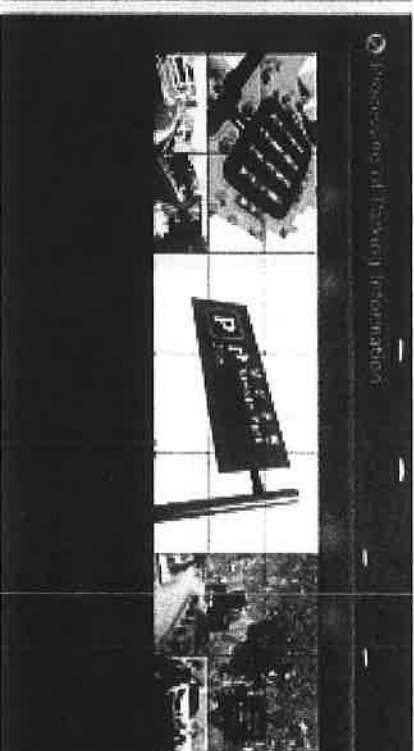
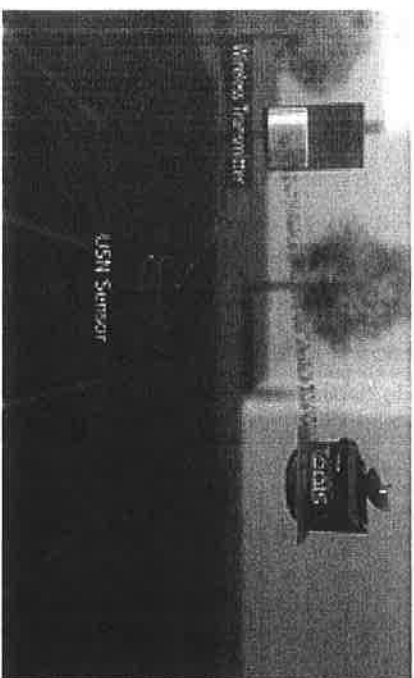
### Smart Public Transportation-Oriented City, Seoul

- 3 Million Annual Enforcements
- 120 Billion Won Collected
- Capital Resource collected from penalties is to be reinvested to build public parking facilities



### Collection & Processing of Parking Information / Information on PIS Facilities

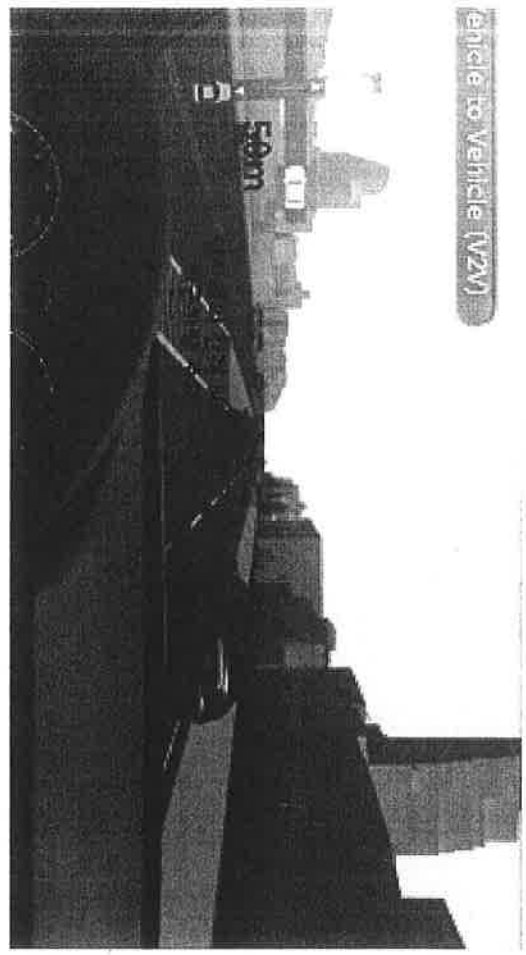
- Automatic Assessment of Parking Information using USN Sensor
- Real-time Parking Information through Parking Information System
- Public Parking Facility nearby Namsan Park / Public Parking at Chungnye creek







Vehicle to Vehicle (V2V)



- Traffic Forecasting System - V2V / V2I
- Vehicle-to-Vehicle Communication
  - Vehicle-to-Infrastructure Communication

Vehicle to Infrastructure (V2I)

