

# Highway Statistics

## **E41 Highway Transportation Statistics**

### **E41010 Motor Transportation**

Vehicles driving on highways are categorized into two types: self-use and commercial-use. Self-use vehicles can pass the National Road, and commercial-use vehicles shall be further classified into the following types depending on the operation: highway passenger transport, urban passenger transport, sightseeing vehicle passenger transport, taxi passenger transport, passenger car leasing, small truck leasing, freight, route freight industry and container freight. The road authority may change the operation route or area of the automobile transportation industry at its discretion.

### **E41020 Highway Bus Carrier**

Those who transport passengers by bus within the approved routes.

### **E41030 City Bus Carrier**

Those who transport passengers by bus within the approved area.

### **E41040 Taxi Carrier**

Those who use small passenger car rental to carry passengers as their business in the approved area.

### **E41050 Company Taxi**

A taxi passenger transportation business established under the company law or business registration law.

### **E41060 Individual Taxi**

A taxi passenger transportation business registered in the name of an individual.

### **E41070 Taxi Cooperative**

Organizations whose establishment is guided and approved by cooperatives and highway authorities in accordance with the Cooperative Law, Highway Law, Taxi Transport Cooperative Establishment Management Points and relevant laws and regulations. Its members operate taxi rental and passenger transport businesses.

### **E41080 Passenger-kilometers**

In a specific period, the sum of the product obtained by multiplying the number of passengers carried by buses on each travel distance.

### **E41090 Ton-kilometers**

In a specific period, the sum of the product obtained by multiplying the weight of goods carried by trucks on each distance.

- E41100 **Number of Operated Truck**  
The number of trucks approved for business registration in the–freight industry, excluding those suspended for use.
- E41110 **Road Traffic Accidents**  
Incidents where injuries and property damage are caused by driving motor vehicles on the road.  
After January 1, 2000, road traffic accidents are divided into three categories:  
A1: Traffic accidents that lead to death on the spot or within 24 hours.  
A2: Traffic accidents that lead to injuries, or death after 24 hours of the accident.  
A3: Traffic accidents with property damage only (PDO).
- E41120 **Parking Space**  
Space for parking motor vehicles.
- E41130 **Parking Space Hour**  
A unit for calculating parking duration. Parking at a parking space for one hour is considered one parking space hour.
- E41140 **Average Parking Duration**  
Average parking time of vehicles in a certain area.
- E41150 **Average Parking Space Turn-over Rate**  
Average number of times that each parking space is parked by different vehicles in a unit hour.
- E41160 **Traffic Volume/Flow**  
The number of vehicles that pass a certain point on the road at a given time in a specified direction.
- E41170 **Level of Service**  
The quality of service provided by traffic facilities or the smoothness of traffic operation, generally measured by driving speed, the ratio of service flow to capacity (V/C), or vehicle delay. A common level of service classification ranges from A (the best) to F (the worst).
- E41180 **Peak Hours**  
The period when the daily number of passengers is the highest with particularly busy traffic.
- E42 Highway Regulatory Statistics**
- E42010 **Number of Registered Vehicle**  
The number of vehicles with unified license plates registered with the highway agency. Military, unregistered vehicles and vehicles bearing temporary license plates

are excluded.

E42020 Taxi  
Commercial passenger cars that provide fee-based transport service based on mileage.

E42030 Number of Licensed Drivers  
The number of drivers at a certain point in time who applied for registration with the highway agency and were issued a driving permit certificate after passing the test. International driver permit, learner's permit and mechanic license are excluded.

### **E43 Highway Engineering Statistics**

E43010 Highway  
Public facilities such as national highways, provincial highways, city highways, county highways, district highways, country roads, special highways and any highway-related facilities.

E43020 Provincial highway  
Major roadways which connect two or more counties or municipalities (or provinces), or major political, economic and cultural centers.

E43030 Pavement Type  
Depending on the material of pavement construction, pavement type includes asphalt concrete, cement concrete, gravel and unsurfaced road.

E43040 Construction Project  
New construction of pavement, bridge, culvert, tunnel etc for new road projects.

E43050 Restoration and Renovation Project  
Projects in which pavement, bridge, culvert, tunnel etc, are restored and renovated due to damage by disaster, poor quality, falling into disrepair, increased traffic flow etc.

E43060 Maintenance Work  
Maintenance of facilities such as roadbed, pavement, shoulder, bridge, tunnel, landscape, drainage appliance, traffic safety facility, traffic control device, communication facility etc.

E43070 High Level Pavement  
Pavement constructed by asphalt, asphalt concrete etc.

E43080 Traffic Signal  
Light signals that alternate at a designated time interval, positioned at road intersections or special locations to assign right-of-way to drivers and pedestrians, and to control flows of traffic.

E43090 Traffic Sign  
The pictorial signs or simplified traffic signs erected at the side of or above roads to give instructions or provide information to road users.

E43100 Pavement Word  
The word or numbers written on the pavement to control traffic.  
430580 Traffic Marker  
The Symbols, patterns or word written on the pavement to control traffic.

E43110 Exclusive Bus Lane  
Special lanes drawn on existing road facilities with special signs and markings. The specific lanes for bus driving are called bus lanes, which is the most commonly used bus priority treatment.

#### **E44 Highway Finance Statistics**

E44010 Toll Gantry  
The facility installed on the freeway for the operation authority to charge travelling vehicles tolls.

E44020 Electronic Toll Collection (ETC)  
A wireless system to automatically collect the usage fee or toll charged to vehicles when travelling through the toll gantries.

E44030 Freeway Toll Revenue  
The toll revenue collected by toll gantries comes from three different sources, including passenger cars, bus and trucks, as well as tractor-trailers.

E44040 On Board Unit (OBU)  
An electronic communication device mounted on vehicles for electronic toll collection.

E44050 Freeway Service Area  
A public facility located next to freeway, at which drivers and passengers can rest, eat, or refuel.