

## Important Hardwares :

### Automatic Boom Barrier

The barriers are used to control the traffic through the lane. The operation of Boom Barrier is linked to the lane computer. It allows the vehicle to pass through after a successful financial transaction

### Lane Controller

The Lane Controller is used to control and monitor all the sub systems and peripheral equipment of the Toll lane.

### Smart Card Reader

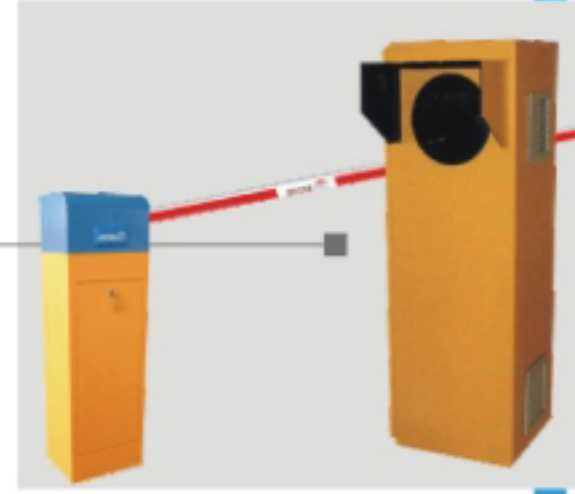
The Contactless Smart Card Reader/ Writers are used for managing automatic toll collection in conjunction with a compatible Contactless Smart Card. The Contactless Smart Card Reader/ Writer are linked to a microcontroller or a PC which is typically the lane computer. It allows the vehicle to pass through after a successful financial transaction.

### IP Based Lane Camera

The camera installed at a convenient location is used to capture images of the following vehicles: If there is a class discrepancy between the class detected during check in by the camera and the live image of the vehicle on the checkout, the fee collector can compare both the images.

### UFD

The Fare Display Unit is a variable message sign, controlled automatically by the lane computer. It indicates to the road user the category of the vehicle and the amount payable.



### OVERHEAD LANE SIGNAL

The overhead lane signals (OHL) shall be mounted on the leading edge of the canopy covering the Toll lanes above the centre of the lane. The purpose of the OHL is to indicate to the User whether the Parking lane is open or closed for the processing of vehicles. A red cross is usually used to signal that the lane is closed, whilst a green arrow is usually used to indicate that the lane is open to traffic.

The following specifications shall apply: The LEDs shall have Luminous Intensity of at Least 8000 MCD Signs shall be sufficiently bright and directed to indicate to a motorist approaching the Parking plaza,



## BE Highway Automation

Effective Management means a successful Toll Plaza



### Basic Feature of the Software

- Support for more than one type of database system.
  - Role based accessibility to the application.
  - Support for two types of user display.
  - Advertisements on user front display in free time.
  - Multiple shifts and shift assignment for toll collector.
  - Supporting multiple types of entry in a plaza of the company.
  - Supporting multiple types of passes such as daily, monthly and customized.
  - Barcode scanning for paper slip.
  - Configurable lane and lane hardware from an application interface.
- Configurable look and feel for application from configuration manager interface.
  - Offline feature to transfer data after connection is established to server.
  - Merge-able data facility for different plaza of a company.
  - Strong reporting system local and online.
  - Supports Tally.

### Three mode of transaction

- Cash
- Smart card
- RFID

### Three mode of transaction

- Create a new pass
- Recharge a pass
- Block/ Unblock a pass
- Re-issue a pass
- Cancel a pass

