

Toll Collection System

With

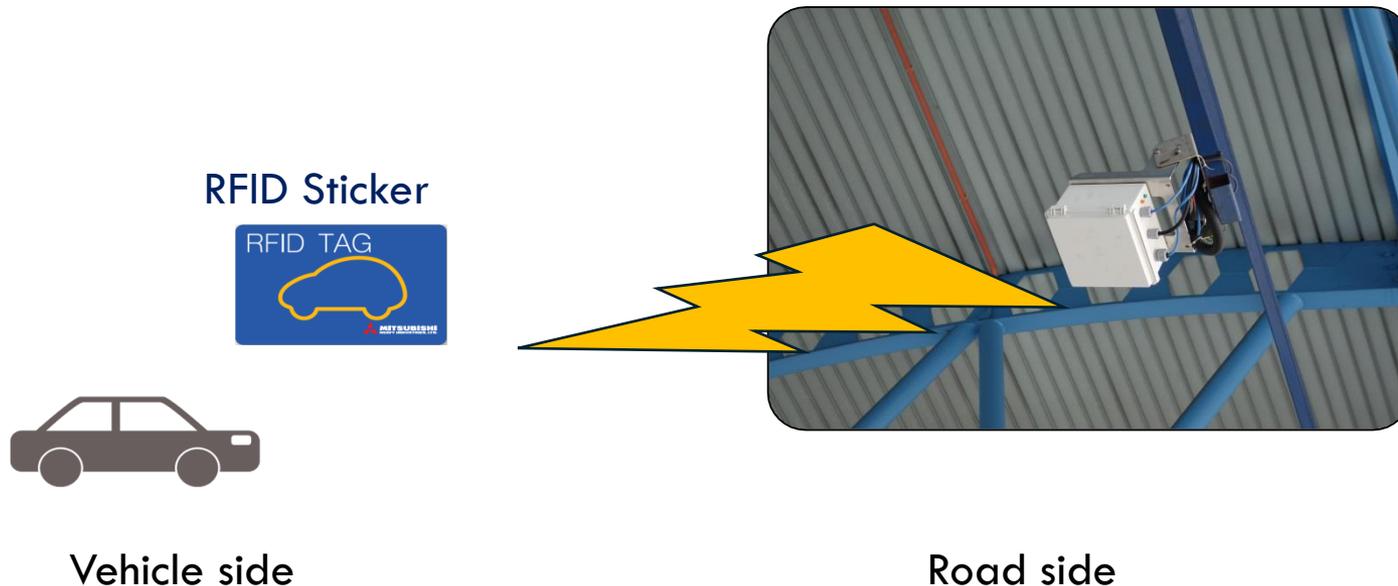
RFID Technology

Toll Collection By RFID Technology

RFID(Radio Frequency IDentification) sticker is applied as “On Board Unit”.

RFID sticker is much affordable, compared to the conventional OBU tags.

Therefore, the total cost of the toll collection system can be most cost-effective.



Single- Lane - With Barrier (SLWB) is the conventional plaza system with islands and lanes.

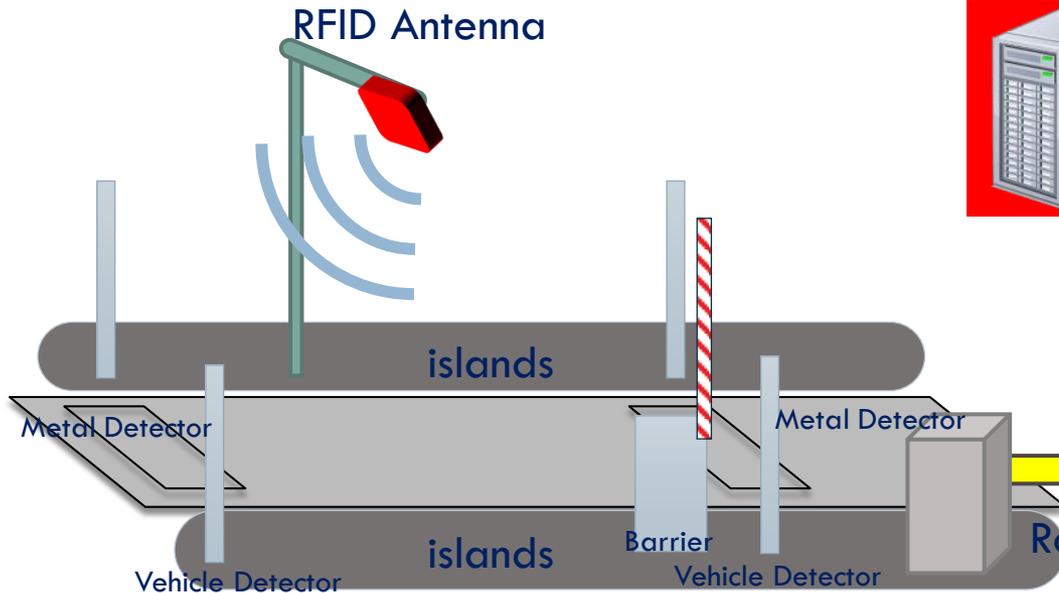
Users



RFID Sticker



Roadside Equipment



Backend system



Customer Database
Vehicle Registration Database

- ◆ Manual Toll: 350 vehicles/hour
- ◆ **SLWB: 1,000 vehicles/hour**
- ◆ SLFF: 1,500 vehicles/hour
- ◆ MLFF: 2,500 vehicles/hour

SLFF system

Single- Lane - Free Flow (SLFF) is the plaza system with islands and lanes but without Barrier.

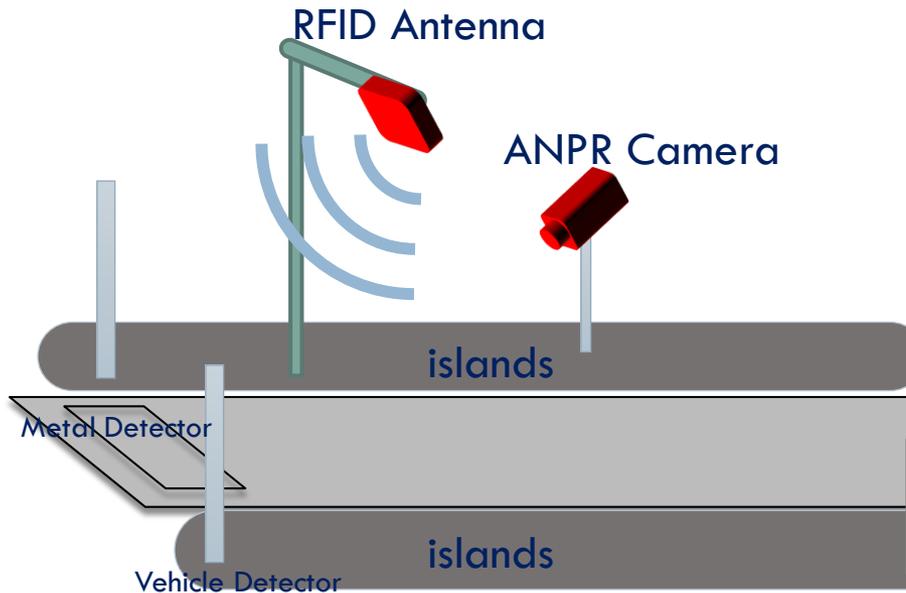
Users



RFID Sticker



Roadside Equipment



Backend system

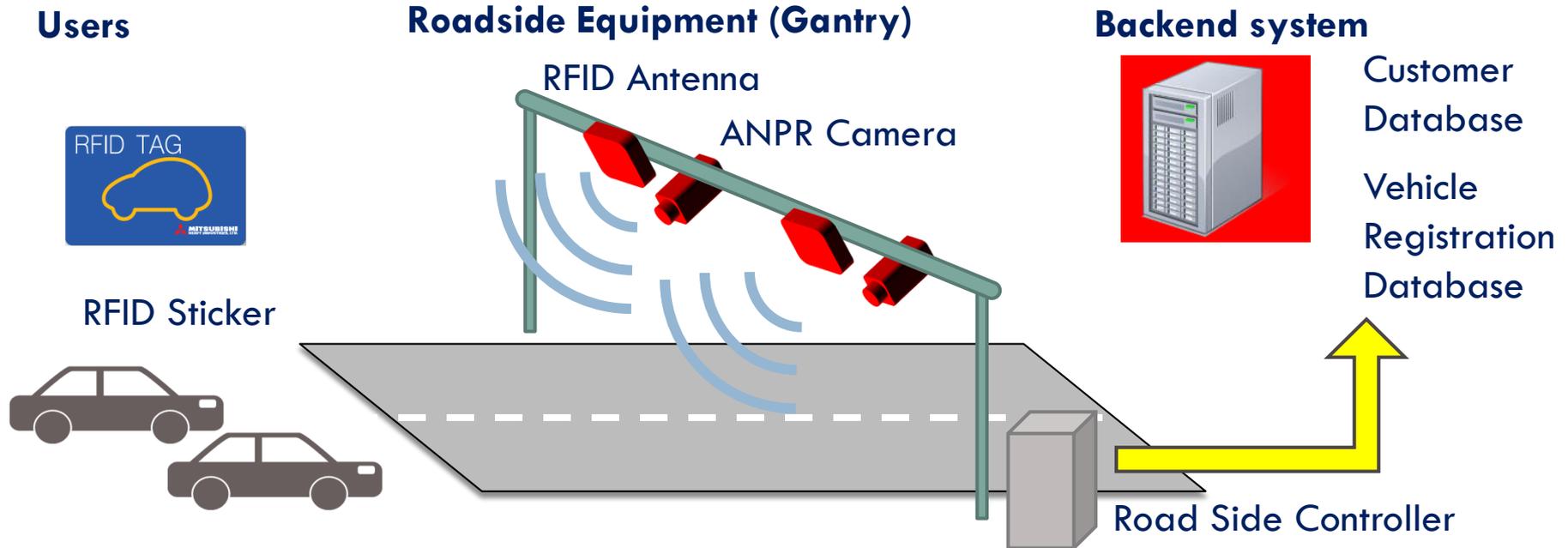


Customer Database
Vehicle Registration Database

Road Side Controller

- ◆ Manual Toll: 350 vehicles/hour
- ◆ SLWB: 1,000vehicles/hour
- ◆ **SLFF: 1,500vehicles/hour**
- ◆ MLFF: 2,500vehicles/hour

Multi-Lane-Free-Flow (MLFF) is a non-stop gantry tolling over the main lane of a expressways with Toll Plazas.



- ◆ Manual Toll: 350 vehicles/hour
- ◆ SLWB: 1,000vehicles/hour
- ◆ SLFF: 1,500vehicles/hour
- ◆ **MLFF: 2,500vehicles/hour**

