

# MOBILE DEVICE TOLL TRANSPONDER

*We are your gateway to interoperable, reliable, secure tolling applications*

Our low-cost hardware can easily be installed at existing toll locations to add smartphone tolling capabilities. The SABLE mobile application is made possible by our patented, secure technology that identifies, authenticates, and charges users.

## Solution Advantages

ALLOWS SMARTPHONES TO BECOME THE TOLL TRANSPONDER -- AN EASY OPTION FOR AN INTEROPERABLE SOLUTION

EFFORTLESS CREATION AND MANAGEMENT OF ACCOUNT INFORMATION

INCREDIBLE TIME AND MANAGEMENT SAVINGS -- NO TRANSPONDER ACTIVATION OR MAINTENANCE

SECURE BLE SIGNALS WILL BE EMITTED FROM SMARTPHONE FROM ANYWHERE IN THE VEHICLE

PAYMENT COMPLETED AT BOOTHS AND GANTRIES, NOT ON USER'S SMARTPHONE -- GUARANTEES RELIABILITY

A mobile device tolling solution for travelers is a natural, technological evolution for the tolling industry. Smart phones are changing the way we live and allowing for more functionality continuously. Our mobile device tolling solution will give everyone with a smart phone access to an instant tolling transponder, an easy way to pay for tolls, and up to date tolling notifications.

Our scanners, with connectivity to our SABLE backend system, provide a low-cost mobile device alternative that can be used in parallel with traditional tolling transponders. We believe that the smartphone will be the solution for a uniform and nationwide tolling infrastructure.



# Mobile Application

The mobile device utilizes Bluetooth 4.0 or above to broadcast Bluetooth Low Energy (BLE) signals in the background of the phone with virtually no battery consumption. BLE can be active for days without any substantial drain on battery resources. Mobile devices will broadcast the encrypted BLE signals on the 2.4 GHZ bandwidth. Once the signals are received and authenticated by the backend system, users will be notified via the application that they have traversed a toll and their account has been charged. At no time during this exchange will there be a connection between the phone and the scanner.

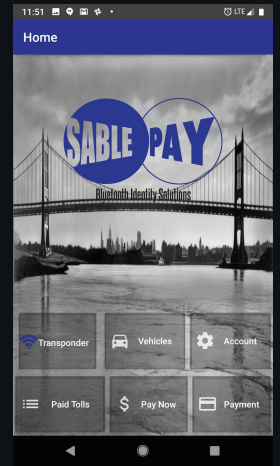
## Secure Authentication Bluetooth Low Energy (SABLE) Backend System

Our SABLE backend system utilizes Google Cloud infrastructure to maintain a secure and stable solution. The SABLE system communicates with our sensors, application users, and any required back office systems to decrypt user BLE signals, look up and authenticate users, notify the scanners to provide user feedback, and to send out specialized messages. System notifications can either be for individual users or directed wide to an entire group or organization.

## FUNCTIONALITY

As simple as download and sign in.

- Create and manage an account
- Manage payments
- View toll history



## CUSTOMIZATION

We can customize a mobile application using SABLEPAY to meet the demands of your organization.

- Logos
- Pictures
- Maps

## COMMUNICATION

The app provides a communication channel to your customers

- Notices
- Alerts
- Events/Promotions

## Secured Access Control

Using the SABLE system and our patented user authentication, smartphones can also replace swipe cards, transponders, badges, and other physical hardware required for location/facility access points. Our low-cost hardware can easily be installed at existing structures to make controlled physical access via smartphone possible.

