

## Summary of SIP-adus Project (FY2016)

<b>Name of the project</b>	Construction of the traffic regulation information management system for realization automated drive
<b>Responsible Organization</b>	Kyoto Prefectural Police

### Name

### Object of the Project

To realize automated drive, it is considered crucial that the vehicle recognizes traffic regulations in real time and implements control. Therefore, we will develop and verify a traffic regulation information management system with a function to convert the traffic regulation information that the managed by each prefectural police headquarters into a standard format.

### Project Summary

Using electric traffic regulation information prepared by “Research for the advancement of driving support by utilizing traffic regulation information” in fiscal 2015, we built a model system which manages traffic regulation information, road information and traffic signal information.

#### 1. Construction (hardware, software and other articles) of the model system.

The model system which we built has the following functions:

- ① The system can manage centrally decision-making that the Kyoto Public Safety Commission makes about the individual traffic regulation, road sign, and traffic signal in electronic data.
- ② The system can handle various operation electronically about traffic regulation, such as approval operation of the Public Safety Commission, designing and ordering of road signs, totaling of traffic regulation-related statistics
- ③ The system can convert traffic regulation information into a standard format from original format of Kyoto.

#### 2. Transfer and inspection electric traffic regulation information data

We transferred all electronic data such as traffic regulation prepared by SIP research in fiscal 2015, and the data that Kyoto Prefectural Police holds, into the model system.

We also verified that a part of the information of road signs by comparing with the roadside image data.

### Future plan

- Evaluating the effect of the model system and considering function to add and improve, we will determine standard specifications of the traffic regulation information management system.
- Examining a method to offer the information to the third party.