

Summary of SIP-adus Project (FY2016)

Name of the project

Development of the next-generation public transportation system

Responsible Organization

UTMS Society of Japan, Metropolitan Police Department

Name

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Object of the Project

The project will develop sophisticated Public Transportation Priority Systems (PTPS) required for the next-generation public transportation system which makes possible convenient and economically rationale mobility, with a view to putting them into operation for the 2020 Tokyo Olympic and Paralympic games and deploying them to other regions afterward.

Project Summary**1. Implementation of simulation****(1) Outline of the test**

In order to validate the specifications developed for the test in fiscal 2015, effects of the new systems were verified by simulation.

Reduction in bus travel time and relationships between various parameters and the bus travel time reduction effect were evaluated on a virtual route and at an intersection for which the field operational test is scheduled for fiscal 2017.

(2) Test results

Reduction in travel time was achieved as indicated in theoretical values and therefore the validity of the content of the design developed last fiscal year was confirmed.

The test was able to obtain findings required for introducing the systems, such as a parameter setting method for improving effects and assessing of the impact of GNSS positioning errors.

2. Installation of a model system

Based on the specifications developed for the test in fiscal 2015, one model system was installed in Tokyo.

Future plan

Functions and performance of the systems will be verified using the model system installed in fiscal 2017.