### **SIP-adus Workshop 2022**



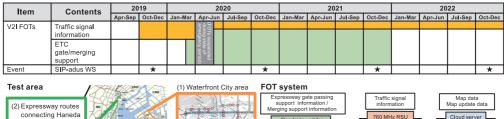
Cross-ministerial Strategic Innovation Promotion Program
(SIP) Phase Two - Automated Driving (Expansion of Systems and Services)/Implementation of FOTs in the Tokyo Waterfront Area

## 1. Objective

We performed cooperative FOTs of cooperative automated driving in the Tokyo Waterfront City area using traffic environment information (traffic signal information, ETC gate passing support information and merging support information) provided by minimal essential roadside infrastructure with the aim of expanding the ODD\* of autonomous vehicles in mixed transportation environments such as general roads and the Metropolitan Expressway.

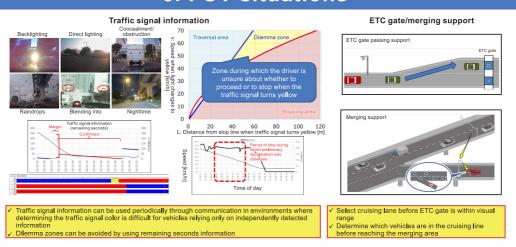
\* Operational Design Domain

#### 2. Schedule and test area for FOTs in the Tokyo Waterfront City area





#### 3. FOT situations



# 4. Results of FOTs in the Tokyo Waterfront City area

- \* We confirmed the effectiveness of traffic signal information and determined that information should be provided over an even wider area
- \* We achieved safe, smooth traversal of ETC gates and are continuing with SIP research and development aimed at handling cruising line vehicle speed changes for merging areas