[Attachment 2]



# Second Phase of the Cross-Ministerial Strategic Innovation Promotion Program Automated Driving for Universal Services (SIP-adus)

# the outline of the Tokyo Waterfront Area Field Operational Test report



## 1. Background of the FOTs\* (1)Objectives

\*FOTs Field Operational Tests

○To verify common technologies in inter-sectoral collaboration for the development of automated vehicles with dynamic environmental information provided through infrastructures such as traffic signal data on general roads and merging support information on expressways, along with to evaluate impact of these technologies on mixed traffic conditions.

 $\bigcirc$  To promote international cooperation and standardization and others, by organizing and reviewing worldwide and open forums.

#### (2) Implemented

 $\bigcirc$  from October 2019 to the end of March 2021

#### (3) Infrastructures and on-board units installed



Each color on the map corresponds to the test area descriptions



High Precision 3D map image in Waterfront city area



Network structure for On-board unit in FOTs

### (4) Participants

○29 institutions including domestic and foreign automobile manufacturers, auto parts suppliers, universities, start-ups and others



Alphabetical order. A total of 29 institutions











### 2. Waterfront City area (traffic signal information)



#### 3. Waterfront city area (Impact assessment )40,



#### **<u>4. Haneda Airport area (next generation public</u>** <u>transportation system)</u>



\* FOTs for "Next generation transport system" with Level 4 closed in Nov. 2020

# 5. Metropolitan Expressway (merging support / ETC gate information)

Goal	Smoother driving at mer	gin	g point	s on Expressways
How	<ul> <li>Distribution of information about traffic to merge into as support data toward vehicles on merging lane</li> <li>Distribution of status</li> </ul>	R	Result	• Traffic correctly recognized enough in advance even at merging points with walls blocking the view
	Distribution of status information of ETC gates at blind spot			• ETC gate status data caught and resulted to define a lane to get into before recognizing the oncoming gate
	Radside radio unit Control			
	Roadside sensor Roadside radio unit			