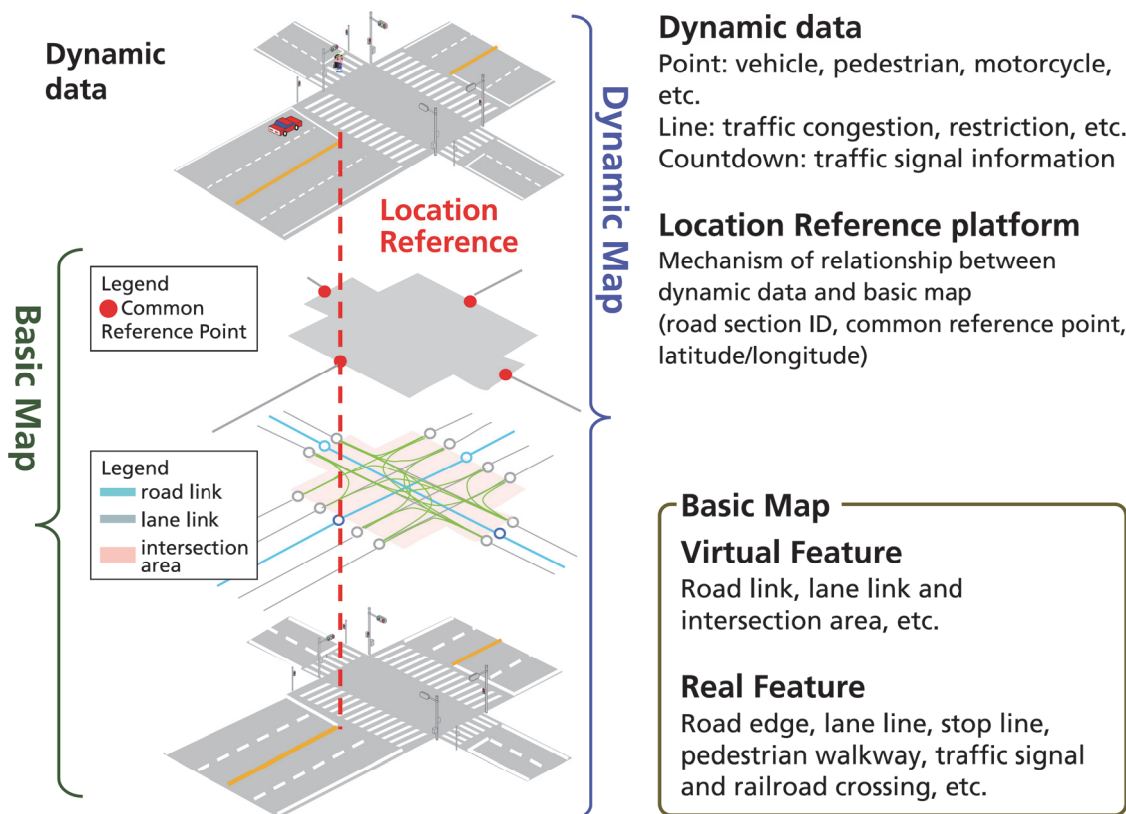


### Development of Dynamic Map

#### ■ Data structure of Basic Map

A Dynamic Map consists of a high-accuracy map with a relative position of 25 cm called a "Basic Map" and dynamic data.



#### Real Feature

No.	Feature Name	No.	Feature Name
1	zebra paint	14	parking area
2	railroad crossing	15	parking slot
3	emergency parking	16	parking slot line
4	pedestrian way edge	17	guardrail
5	toll booth	18	small road embedded right
6	railway	19	speed bump
7	painted tram station	20	curve warning or leading light
8	physical tram station	21	rubber pole
9	pedestrian walkway	22	road illumination
10	road marking	23	power pole
11	road edge	24	traffic signal
12	lane line	25	road sign
13	stop line	26	kilometer post

#### Virtual Feature

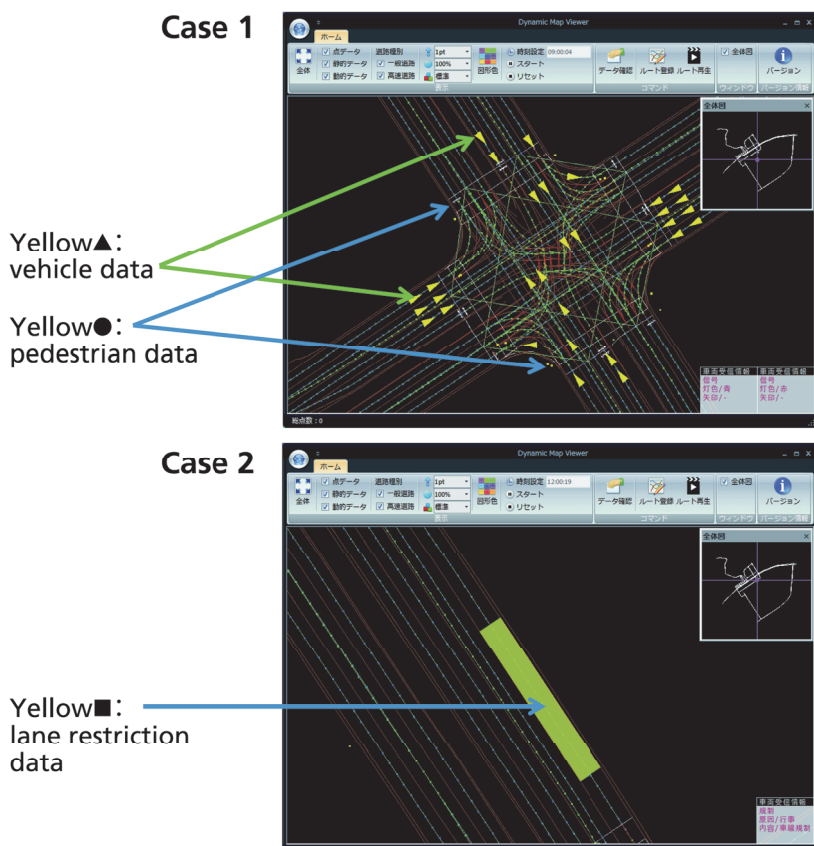
No.	Feature Name
1	road link
2	lane link
3	nodes on road link
4	nodes on lane link
5	intersection lane link
6	intersection area (belt)
7	road area (belt)
8	lane area (belt)

Figure 1 Layer of Dynamic Map

※ This figure is an image. This figure does not show the data description format.

#### ■ Dynamic Map prototype

In 2015, a prototype Dynamic Map was made and a viewer for the Dynamic Map was developed.



#### ■ Dynamic data classification

Dynamic data from case studies classified in 2015.

Table Dynamic data classification

Form	Class	Case study	Dynamic data from case studies
Form	Vehicle	Highway	Information on vehicles driven on main road
		Parking	Information on vehicle parking
		Local road	Vehicle information
	Person (pedestrians, bicycles, and motorcycles)	Local road	Information on pedestrians, bicycles, and motorcycles
	Traffic signal	Local road	Traffic signal status
Line	Traffic congestion information	Highway	Traffic congestion information
		Local road	
	Information on restrictions	Highway	Information on road works restrictions
		Highway	Information on closed toll lanes
Weather information	Weather information		
Area	Parking	Parking	Information on available parking slots