

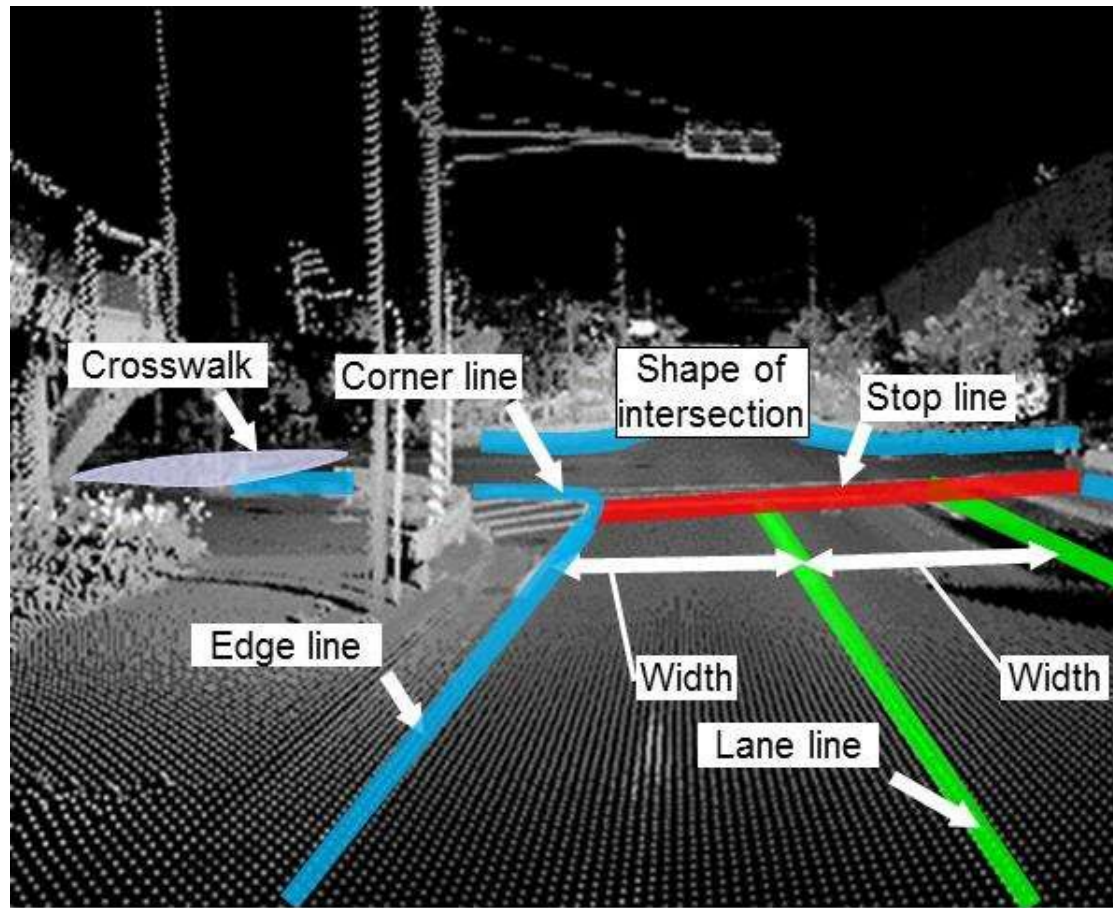
# Road administrators' perspectives

Katsuya ABE, Ph.D

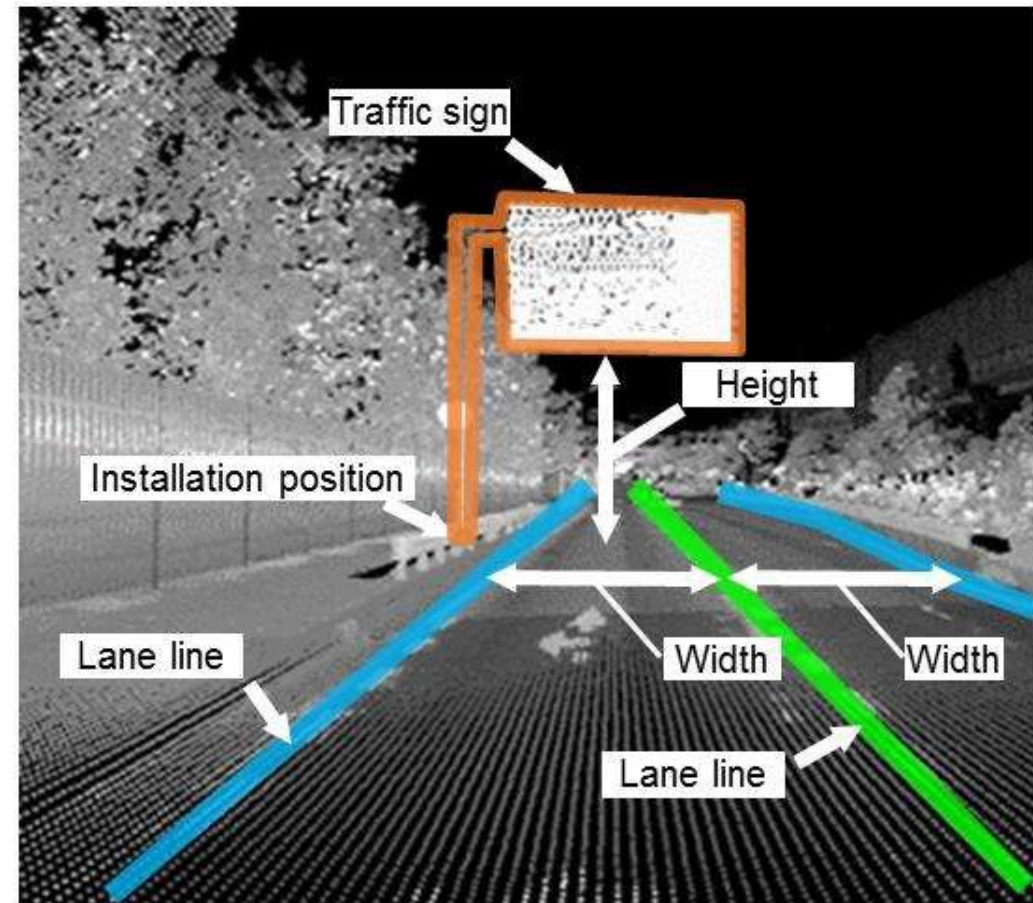
Director, ITS promotion office

MLIT, GOJ

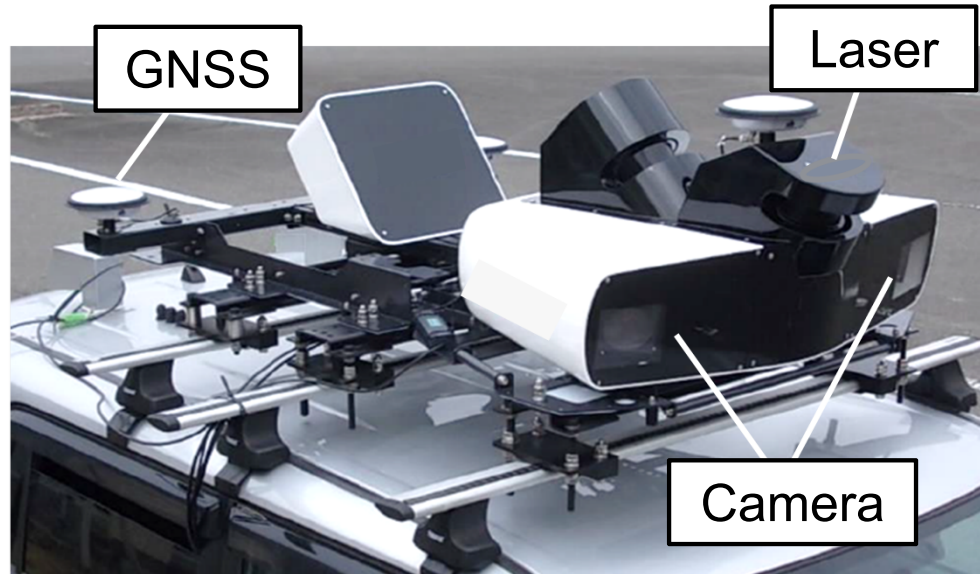
Road administrator uses these data primarily for checking whether special large vehicles can pass without damaging road facilities.



Intersection



Road section



Data Target	Location data including intersections, marking, kilometer-posts, traffic signs, and bus stops.
Density of Point cloud data	50 points/m <sup>2</sup> and more
Precision of topographic maps	25 cm or less at the scale of 1/500
Camera	1 photo every 1 to 2 meters 5 million megapixels

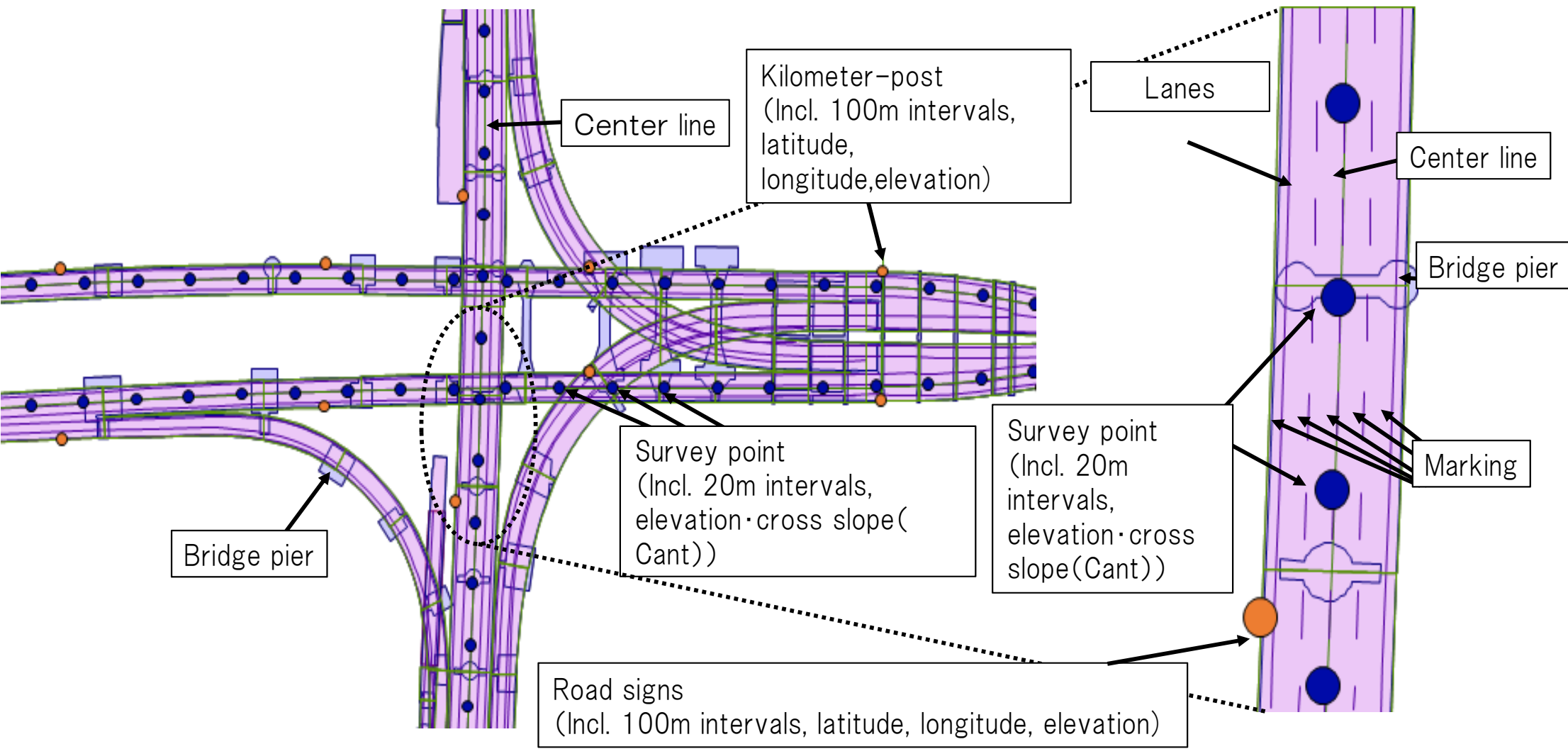


Image diagram at Nishisemba JCT of the Hanshin Expressway

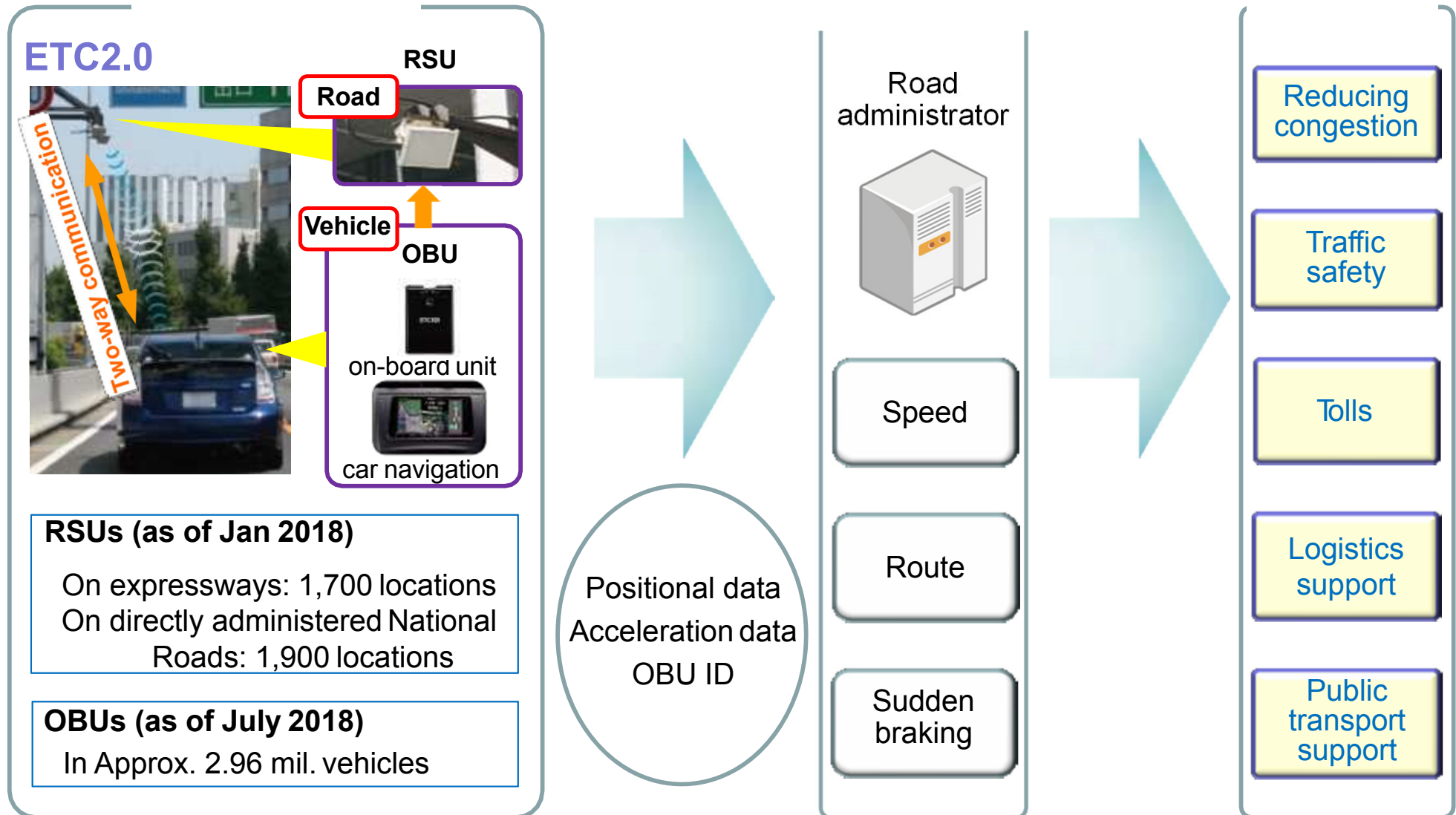


**ETC 2.0 offers useful information to drivers on such supports as congestion avoidance and safe driving.**

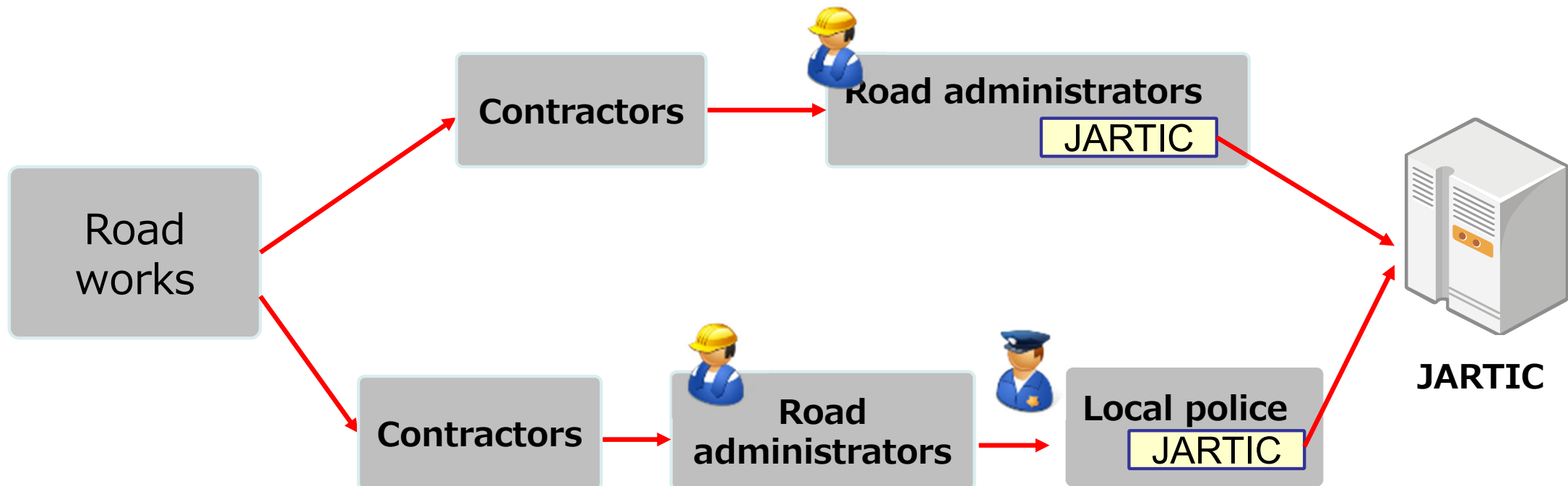
Data collection

Data processing

Data use



**Road work information is sent to JARTIC through contractors, road administrators and local police.**



The Japan Road Traffic Information Center (JARTIC)

Automated driving systems require incident information, e.g., traffic restriction, road work, fallen objects, in advance.

