

Title of Research Subject	Development on Smart Traffic Enforcement Using Artificial Intelligence
Background and objectives	<p>In the 11th Basic Plan for Traffic Safety, one of the priority measures is to promote traffic enforcement that contributes to the deterrence of traffic accidents through advanced traffic accident analysis based on geographic information. In addition, the Digital Agency will be established in 2021 to actively promote the digitization of public administration, which will require standardization and other measures in the field of traffic safety as well.</p> <p>In response to this background, the purpose of this project is to develop a model to propose efficient locations for traffic enforcement by using AI (artificial intelligence), which has been rapidly utilized in recent years.</p>
Expected results	<p>Until recently, traffic enforcement has been based on the experience of practitioners, and each department has made an efficient enforcement plan. Since 2011, Japan has been drawing up enforcement plans that reflect the actual status of accidents and the results of analysis, but the system differs from prefecture to prefecture and depends largely on the technical skills of the person in charge.</p> <p>If it becomes possible to predict the best locations for enforcement activities using big data, it will be possible to deter traffic accidents more efficiently in combination with field experience. By developing a general-purpose application to help create effective enforcement plans, the system can be deployed in a variety of regions. In addition, by accumulating the effects of countermeasures as big data over time, it will be possible to make proposals for locally-based countermeasures.</p>