

Transportation Research Services Intelligent Tolling Systems (ITS, ETC)



NEXCO-West USA excels in providing research services on civil engineering and transportation topics, with a focus on US and Japanese industry trends. We own and operate most tolling systems in Japan, and therefore have a wealth of experience in their development, maintenance, and day-to-day execution. With a special interest in the implementation of new ITS technology, we also offer research services in this topic.



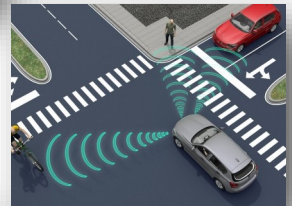
Dynamic Tolling and Pricing Schematics



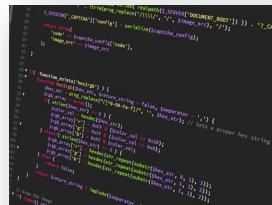
Gantry Construction



Vehicle Sensing Technology



Tolling System Software



Weigh-in-Motion Systems



Policy Study



Our Advantage

We are able to benchmark (compare and contrast) practices in the US and Japan by leveraging our global professional network, our knowledgeable team of engineers, and our collection of information on private and public engineering organizations. We have served past clients by compiling information on the emergence of new sensing technologies, studying management practices, and observing user reactions for tolling systems.



Past Research Projects

Study of Highspeed License Plate Imaging

We researched imaging products currently on the market and in development for a client from Tokyo, Japan. They were interested in how they could improve the accuracy of license plate detection for their gantries.



Report on Weigh-In-Motion systems in place

A client from Tokyo, Japan requested a report on what kinds of weigh-in-motion practices, technologies, and management techniques were in place in the state of California. We toured a delegation from Japan and talked with CALTRANS to open up a productive information exchange.



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