

Research Trends and Results

Effort Towards Implementation of Information Service Under the Cooperation Between the Public and Private Sectors Using Road Section ID System

ARUGA Kiyotaka, Guest Research Engineer

IMAI Ryuichi (Ph.D. Eng.), Researcher

SHIGETAKA Koichi, Head

Information Technology Division, Research Center for Advanced Information Technology

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1. Introduction

The writers have been addressing on new service creation and upgrading the information service using 『Road section ID system』 (hereafter ID system) that is the location reference system around roads¹⁾.

On the other hand, if you focus attention on Hanshin Expressway, for example, the information service of road administrator, information that helps road safety has been provided through media such as advertisement and web pages. However, implementation of an information service that is appropriate for road users is an agenda.

Here, to deliver knowledge (hereafter contents) regarding safe, secure, comfortable drive assists that Hanshin Expressway has, the effort of 『Project Z NAVI de HANSHIN!2)』 that is reported to be under the cooperation between the public and private sectors through public offering of participant by three originators that are NILIM, Japan Digital Road Map Association and Hanshin Expressway Public Corporation.

2. Effort of Project Z NAVI de HANSHIN!

This effort is a three-year-plan, and contents that Hanshin Expressway has, was provided in ID system as a first step. Advanced information measure that is combined with large-scale road maps will be considered from next year.

Composition of the first step is indicated in graphic-1. It is delivered to each private company by converting information from ID system transmitted to the location of contents of which there are three kinds (high-accident location, reminder of fork, junction and construction schedules) that Hanshin Expressway possesses. Each private company provider received contents from road users by using a map that responds to ID system.

3. Image of information service

Each private company has developed two things: applications for smart phones that provide real-time information that responds to attributes (daytime or nighttime and gender) of the road user, and website for prior confirmation that is indicated in chart-2. Appropriate provision of contents that Hanshin Expressway possess is expected to be shared with the road users.

4. Conclusion

At the beginning of January, 2013 when this report was still under writing, the system was being user tested, and it

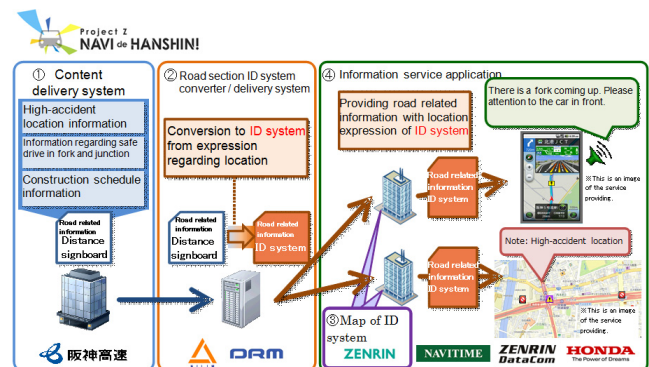
will undergo further testing in the future. This endeavor is the first information service using ID system. To increase success painstaking work is being continued.

Reference

1) ARUGA Kiyotaka and others: Information service of safety drive assist in urban expressway using road section ID system under the cooperation between the public and private sectors, The 11th ITS symposium 2012, ITS Japan, 2012.12

2) Project Z NAVI de HANSHIN!

<http://navi-de-hanshin.jp>



Graphic-1 Composition of information service



Graphic-2 Image of information providing service