## Test research regarding measures of road surface freezing and others in snowing time (Part 1)

## [ Point ]

After studded tires regulation was set, anti-freezing agent usage is increasing, which leads to higher cost of snowy cold projects, as well as road and the effect on roadside environment is concerned, therefore, development of environmentally friendly and also lasting efficient new anti-freezing agent, and establishment of efficient and effective spraying method are hoped.

In this research, to contribute efficient and effective snow ice road surface measure, we performed grasping existing anti-freezing agent spraying effect, field verification test of environmentally friendly and also lasting efficient non-chloride typed anti-freezing agent, and examination of road surface condition prediction method based on heat energy balance.

In the future, we need to examine more efficiency and effective spraying method, after grasping actual condition of anti-freezing agent spraying.

Keyword : anti-freezing agent, non-chloride, sliding friction coefficient, road surface condition