

## **Research regarding winter road surface sliding friction of drainage pavement**

### **[ Point ]**

Drainage pavement is hoped for the efficiency of road surface freezing prevention in wintertime, because of its structure, it has drainage function and drains water from road surfaces. However, due to drainage pavement has difficulty of the solution producing for road surface freeze-thaw by chemical spray, it has a tendency of less efficiency of anti-freezing agent than normal pavement.

In this reason, we aimed to verify the safety of drainage pavement in wintertime, and performed measuring road surface longitudinally sliding friction coefficient, and comparison with normal pavement, unfortunately road surface freezing didn't occur, and we couldn't get the research results, which we aimed, however, we clarified the differences of between normal pavement and drainage pavement from some of the observation results. In the future, we need to collect the comparison data of normal pavement and drainage pavement, and also collect the basic reference material for verification of safety of drainage pavement road surface in wintertime.

Keyword : drainage pavement, sliding friction coefficient, road surface condition, chemical residue concentration, road surface temperature.