

Test research regarding bridge surface rationalization of long-span bridge (Part 2)

[Point]

Now, bridge construction cost reduction is required, on the other hand, traffic load is increasing due to relaxation of vehicle weight regulation, improvement of the durability is required, too. In this examination, we aimed bridge construction cost reduction by a corresponding technology thinning pavement for lighter bodies to reduce bridge dead load and simplifies the structure.

As a result of the examination, we thought, by using stone mastic asphalt (SMA) mixture for one layer type, thinning would be possible. However, to ensure the imperviousness, there are some construction problems, and we clarified that we need more examination.

Keyword : bridge surface pavement cost reduction, stone mastic asphalt, mastic asphalt