

**SUMMARY OF NEW CONTRIBUTIONS OF  
DOCTORAL THESIS**

Name of Thesis: **The working of internal-cured cement-concrete pavement in Vietnamese conditions**

Major: **Infrastructure Engineering**

Code: **9580210**

PhD Candidate:: **Le Thai Binh**

Academic supervisors:

**1. Assoc.Prof.Dr. Tran Thi Kim Dang**

**2. Assoc.Prof.Dr. Nguyen Duy Hieu**

Training institution: **Hanoi Architectural University**

**SUMMARY OF NEW CONTRIBUTIONS OF THE THESIS**

1. Choosing a reasonable content of light sand is the material for internal curing concrete with finely ground blast furnace slag mineral admixture.

2. Determine the reasonable range of residual mortar coefficient for compressive strength, tensile strength in bending and abrasion of internal curing concrete to meet the technical requirements for cement concrete for roads. through to level III.

3. The work of internal maintenance BTXM has been determined in the road surface structure.

4. The research results are used for reference and audit of the calculation standards for pavement structures using internal curing concrete for traffic pavements.

**PhD Candidate**

**Le Thai Binh**