

SCST NEWSLETTER

SEPT
2018

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SCST PAVEMENT ENGINEERING SERVICES

Our pavement engineering team identifies the deficiencies that contribute to deterioration of pavements through visual assessment of pavement condition by specialized professionals along with in-place destructive and non-destructive testing and laboratory testing. The results of such evaluations, in combination with a deep understanding of pavement materials behavior, enable SCST's pavement experts to expose the cause of deficiencies and provide sustainable alternatives for construction, maintenance and rehabilitation of pavements for our clients.

SCST's experienced professionals can perform state-of-the-art pavement analysis and design, such as Life-Cycle Cost Analysis (LCCA), Life-Cycle Assessment (LCA) of environmental burden, and Mechanistic-Empirical (ME) Pavement Design based on local and national standards for different pavement types.

Our Pavement Engineering Services Include:

- + Pavement Condition Index (PCI) Survey following ASTM, FHWA, and USACE Methodologies
- + Coring Documenting and Sampling of Pavement and Subgrade Materials
- + Ground Penetrating Radar (GPR)
- + Dynamic Cone Penetrometer (DCP)
- + Conventional Pavement Design Based on Caltrans Highway Design Manual and AASHTO Design Method
- + Life-Cycle Assessment of Cost and Environmental Burden
- + Mechanistic-Empirical Design of Pavements

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