

Kurt D. Smith, PE

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**BACKGROUND**

Mr. Smith is a Vice President and Program Director of the State and National Agencies at Applied Pavement Technology, Inc. (APTech). He oversees the pavement research and training segment of the firm while also actively managing several projects and serving as an advisor and technical analyst on others. Mr. Smith has more than 36 years of experience in the areas of pavement design, evaluation, and rehabilitation and, over the years, has led nationwide studies on pavement performance and pavement rehabilitation and conducted numerous pavement evaluation projects on both highway and airfield facilities.

Mr. Smith is currently serving as the principal investigator (PI) or Co-PI on a number of Federal Highway Administration (FHWA) projects. For example, he is the overall Program Manager for the second phase of FHWA's Sustainable Pavements Program, a major initiative seeking to increase the awareness, visibility, and body of knowledge of sustainability considerations in the design, construction, maintenance, and rehabilitation of pavement systems. He is overseeing several active task orders under that program that include the management of a technical working group, development of a technology transfer "toolbox," preparation of ten case study documents highlighting sustainable practices, development of an environmental impact benchmarking tool for pavements, and development of a guide document on pavement resilience. He is also currently serving as the overall Program Manager for the FHWA IDIQ contract on Pavement Program Technical Support, which has generated 11 task orders on a range of activities, including the administration of DPS equipment implementation and a lending program, the preparation of a strategic road map, hosting of Pavement ME user group meetings, development of guidelines for pavement roundabouts, a review of agency Quality Assurance protocols, and the establishment of benchmarks for pavement preservation. Mr. Smith previously served as Program Manager for two preceding FHWA IDIQ contracts: Implementation of Best Practices for Concrete Pavements and FHWA's Pavement Surface Characteristics Program.

EDUCATION

- MS, Civil Engineering, University of Illinois, 1985
- BS, Civil Engineering, University of Illinois, 1983

PROFESSIONAL REGISTRATION

- Professional Engineer, Illinois, 1989; also Michigan, New York, Missouri, and North Carolina

REPRESENTATIVE EXPERIENCE

- Program Manager for the 2015 to 2021 FHWA Indefinite Delivery/Indefinite Quantity (IDIQ) contract, *Sustainable Pavements Program II*.
 - Project Manager for Task Order 1, *Sustainable Pavement Program Roadmap*.
 - Project Manager for Task Order 2, *Establishment, Organization, and Coordination of the Sustainable Pavements Technical Working Group (SPTWG)*.
 - Project Manager for Task Order 3, *Technology Transfer Toolbox*.
 - Project Manager for Task Order 4, *Sustainable Pavements Case Studies*.
 - Project Manager for Task Order 5, *Environmental Impact Benchmarking Tool*.
 - Project Manager for Task Order 6, *Sustainability Education and Outreach*.
 - Project Manager for Task Order 7, *Pavement Resilience Guidebook*.
- Program Manager for the FHWA IDIQ Contract, *Sustainable Pavements Program*.
 - Co-Principal Investigator for Task Orders 1, 3, 5, and 8, *Organization, Coordination, and Facilitation of the SPTWG*.
 - Co-Principal Investigator for Task Order 2, *Development of a Reference Document for Sustainable Pavement Systems*.
 - Co-Principal Investigator for Task Order 4, *Technology Transfer of Information on Sustainable Pavements*.
 - Co-Principal Investigator for Task Order 6, *Development of a Pavement Life-Cycle Assessment (LCA) Framework*.
 - Co-Principal Investigator for Task Order 7, *Continuation of Technology Transfer of the FHWA Sustainable Pavements Program*.
- Co-Principal Investigator for the Michigan DOT study, *Sustainable Recycled Materials for Concrete Pavement*.
- Project Manager for the Arizona DOT study, *Recycled Construction Waste for Mutual Beneficial Use*, as a subcontractor to Nichols Consulting Engineers, Chtd. Performed a benefit-cost analysis to determine the beneficial uses of construction waste as raw materials for the construction of new transportation infrastructure.
- Co-Principal Investigator for the Michigan DOT study, *Using Recycled Concrete in MDOT's Transportation Infrastructure*.
- Project Manager for the 2020 PCC Preservation Training for California/Nevada Cement Association. Delivered a one-day workshop in Los Angeles.
- Project Manager for the 2020 to 2021 FHWA Project, *Technology Transfer of Concrete Pavement Technologies*, as a subcontractor to the CPTech Center
 - Project Manager for the update to the *Concrete Pavement Preservation Guide*.

- Project Manager for the 2019 to 2020 Missouri DOT Study, *Evaluating Performance of Concrete Overlays for Pavement Rehabilitation*. Collected data of concrete overlays, created project outlines and evaluations, conducted analysis of field data, and created an interim report and research summary.
- Program Manager for the 2014 to 2018 FHWA IDIQ Contract, *Implementation of Best Practices for Concrete Pavements*.
 - Project Manager for Task Order 2, *Development of the Concrete Pavement Notebook*.
 - Principal-In-Charge for Task Order 5, *American Association of State Highway Workers and Transportation Officials (AASHTO) MEPDG Peer Exchange Meetings*.
 - Project Manager for Task Order 6, *Implementation Support for SHRP 2 Project R-21, New Composite Pavement Systems*.
 - Principal-In-Charge of for Task Order 8, *Clearing-House of MEPDG-Related Research and Implementation Efforts*.
 - Principal-In-Charge of Task Order 9, *AASHTO Pavement ME National Users Group Meetings*.
 - Project Manager for Task Order 14, *PCC Pavement Preservation Strategies*.