

Materials and Research Center  
2300 Van Buren  
Topeka, KS 66611-1195

Mike King, Secretary  
Richard E. Kreider Jr., Chief



Phone: 785-296-1195  
Fax: 785-296-2526  
Hearing Impaired - 711  
publicinfo@ksdot.org  
<http://www.ksdot.org>

Sam Brownback, Governor

September 15, 2015

Mr. J. Michael Bowen, P.E.  
Division Administrator  
Federal Highway Administration  
6111 SW 29<sup>th</sup> Street  
Topeka, KS 66614

Attention Karen Gilbertson, ITS/Traffic Operations Engineer

Dear Mr. Bowen:

In support of the current pooled fund solicitation #1415, "Construction of Low-Cracking High-Performance Bridge Decks Incorporating New Technology," the Kansas DOT is requesting the waiver of the non-Federal funding match for State Planning and Research Funds for use on the proposed project. Kansas DOT will serve as the lead agency, and the approximate level of funding required to complete the research is \$270,000. The estimated duration of the project is 5 years and the estimated number of partners will be 2-4 including the lead agency.

The purpose of this study is to implement new technologies in conjunction with low-cracking high-performance concrete bridge specifications to improve bridge deck life through reduction of cracking. The work involves cooperation between state departments of transportation (DOTs), material suppliers, contractors, and designers. The following tasks will be used to achieve this objective:

1. Work with state DOTs on specifications for the construction of six LC-HPC bridge decks per state to be constructed over a three-year period.
2. Provide on-site guidance during construction of the LC-HPC bridge decks.
3. Perform detailed crack surveys on the bridge decks, 1 year, 2-3 years, and (if approved) 4-5 years after construction.
4. Correlate the cracking measured in Task 3 with environmental and site conditions, construction techniques, design specifications, and materials properties, and compare with results obtained on earlier conventional and LC-HPC bridge decks.
5. Document the results of the study. Interim and final reports will be prepared covering the findings.

If you have any questions, please call me at 785-291-3847.

Sincerely,

A handwritten signature in dark ink, appearing to read "Susan F. Barker". The signature is fluid and cursive.

Susan F. Barker, P.E.  
Technology Transfer Engineer

c: Rod Montney