

**AGREEMENT FOR TECHNICAL ASSISTANCE
BETWEEN THE SECRETARY OF TRANSPORTATION
AND THE
UNIVERSITY OF KANSAS
Modification No. 2
February 14, 2008**

This document modifies the Agreement for Technical Assistance between the Secretary of Transportation of the State of Kansas, hereinafter referred to as "Secretary" and the University of Kansas, hereinafter referred to as "KU," which was effective September 9, 2002, for the project entitled "Construction of Crack-Free Concrete Bridge Decks." Modification No. 2 provides supplemental time and funds, and supplemental workplan, as authorized by the Secretary of Transportation. The following wording supplements the language in the original Agreement for Technical Assistance:

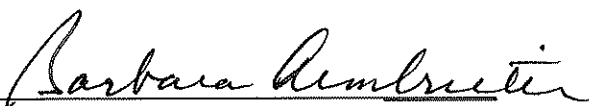
Section 1. Scope of Services. Services to be performed will include those set forth in the Supplemental Workplan, attached hereto and incorporated herein as Special Attachment No. 1.


Section 2. Contract Dates. Additional time of twenty-four (24) months is provided herein for work on the Project, with a revised completion date of March 31, 2010.

Section 3. Basis of Payment. The Secretary agrees to reimburse KU a supplemental amount of \$ 45,000 for the work completed and actual costs incurred in performance of the Agreement in accordance with the Supplemental Proposal and revised budget that is Attachment 1, in an amount not to exceed a total price of \$995,000 (\$830,000 from the original Agreement plus a prior supplement of \$120,000 and \$45,000 from this supplement). A combination of Federal monies and State monies are used to fund this Project. The project costs referred to in this Agreement shall be comprised of the allowable direct costs incidental to the performance of the work described in the original Workplan and indirect costs. Indirect costs shall not exceed forty-five and one half (45.5) percent of the total modified direct costs to the extent that Federal-aid funds are used for payment. In the event final approval of Federal appropriation is not obtained, the Secretary will be responsible for only those noncancelable obligations incurred by KU for work under this Agreement.

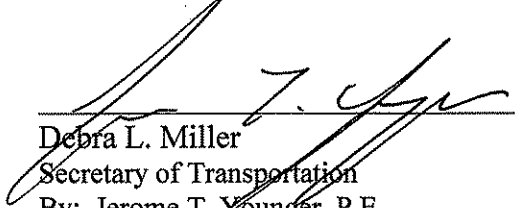
All other terms and conditions of the Agreement for Technical Assistance, effective September 9, 2002, and the prior modification, remain in force.


KU


Barbara Armbrister
Director
Research Administration


ATTEST
3/10/08
DATE

SECRETARY


Debra L. Miller
Secretary of Transportation
By: Jerome T. Younger, P.E.
Deputy Secretary for Engineering
and State Transportation Engineer


ATTEST
March 13, 2008
DATE

Supplemental Proposal to
Kansas Department of Transportation
For
Construction of Crack-Free Concrete Bridge Decks


Period of Performance: 03/30/08 – 03/31/10
Funds Requested: \$45,000
Project Monitor: Kenneth Hurst, Engineering Manager
Bureau of Design - State Bridge Office
Dwight D. Eisenhower State Office Building
700 SW Harrison Street
Topeka, Kansas 66603-3754
Phone: (785) 296-3761 Email: kenh@ksdot.org

from

The University of Kansas
2385 Irving Hill Road
Lawrence, KS 66045-7563

Project Personnel:
David Darwin, Principal Investigator
Professor, Department of Civil, Environmental, and Architectural Engineering
The University of Kansas
Lawrence, KS 66045

APPROVALS:



David Darwin
Principal Investigator



Barbara J. Armbrister, Director
Research Administration

This is a supplemental proposal from the University of Kansas to the Kansas Department of Transportation for the period March 30, 2008 to March 31, 2010. The University of Kansas accepts full responsibility for the project and its conduct. The University will bill KDOT for reimbursement as specified in the contract as awarded. For the purposes of administrative efficiency, the University will subcontract to the Center for Research, Inc. (KUCR), as KUCR is the normal administrative agency for projects under the University of Kansas. This subcontractual arrangement will in no way affect the work on the project, the scientific personnel, or the billing between the University and the Department of Transportation.

THE UNIVERSITY OF KANSAS



Barbara J. Armbrister, Director
Research Administration
2385 Irving Hill Road
Lawrence, Kansas 66045-7563
Phone: (785) 864-7431
FAX: (785) 864-5049

3/10/08
Date

The extension will be used for two purposes:

1. Three of the bridges being constructed as this study (two in Linn County and one in Lyon County) have yet to be built. They are scheduled for later this year, and the extension will allow the construction of these bridges to be monitored.
2. As proposed, the bridge decks constructed in Kansas are to undergo crack surveys at ages of one, two and three years. Because the majority of the bridges were constructed late in the five-year project, only three have been surveyed at an age of one year or more. The extension will allow all bridges to be surveyed at one year, most at two years, and three at three years under the auspices of this Pooled Fund project.

PROPOSED BUDGET

Year 1: 03/30/08 - 03/31/09

					Federal (SPR)	State of Kansas	Total
SALARIES AND WAGES							
<u>Senior Personnel</u>							
		% time	Months	Rate			
<i>David Darwin, PI</i>							
summer					0	0	0
<i>JoAnn Browning, Co-I</i>							
summer					0	0	0
Total senior personnel					0	0	0
<u>Other Personnel</u>							
	Persons	% time	Months	Rate			
<u>Graduate Student(s)</u>							
acad	1	50	9.0	3,000	13,500	0	13,500
summer	1	50	3.0	3,000	4,500	0	4,500
<u>Undergraduate Student(s)</u>							
calendar			Hours	Rate			
			0.0	8.00	0	0	0
Total other personnel					18,000	0	18,000
Total salaries and wages					18,000	0	18,000
FRINGE BENEFITS							
28% faculty and staff					0	0	0
4% students (employed 75% or less)					720	0	720
Total fringe benefits					720	0	720
Total salaries, wages & fringe benefits					18,720	0	18,720
TRAVEL							
<i>(a) travel to bridge sites and technical planning meetings</i>							
Transportation - mileage at State of Kansas rate.							
Per diem							
Total (a)					0	0	0
Total travel					0	0	0
OTHER DIRECT COSTS							
Research materials & supplies					0	0	0
Publications (copying and distribution of research results)					0	0	0
Consultant Services					0	0	0
Other:							
Tuition	Sum 08	Fall 08	Spring 09				
	1014	3002	3002		7,018		
Communications (long distance, fax, postage)					0	0	0
Travel for state representatives					0	0	0
Computer networking costs					0	0	0
Total "Other"					7,018	0	7,018
Total Other Direct Costs					7,018	0	7,018
TOTAL DIRECT COSTS					25,738	0	25,738
BASE					18,720		18,720
INDIRECT COSTS (45.5% of total direct costs excluding equipment and tuition allowance)					8,518		8,518
TOTAL PROPOSED COSTS - YEAR 1					\$34,256	\$0	\$34,256

PROPOSED BUDGET (Continued)

Year 2: 03/31/09 - 03/31/10

					Federal (SPR)	State of Kansas	Total
SALARIES AND WAGES							
<u>Senior Personnel</u>							
	% time	Months	Rate				
<i>David Darwin, PI</i>				0	0	0	0
summer				0	0	0	0
<i>JoAnn Browning, Co-I</i>				0	0	0	0
summer				0	0	0	0
Total senior personnel				0	0	0	0
<u>Other Personnel</u>							
	Persons	% time	Months	Rate			
<u>Graduate Student(s)</u>							
acad				0	0	0	0
summer				0	0	0	0
<u>Undergraduate Student(s)</u>							
calendar			Hours	Rate			
			710.0	10.00	7,100	0	7,100
Total other personnel					7,100	0	7,100
Total salaries and wages					7,100	0	7,100
FRINGE BENEFITS							
28% faculty and staff				0	0	0	0
4% students (employed 75% or less)				284	284	0	284
Total fringe benefits					284	0	284
Total salaries, wages & fringe benefits					7,384	0	7,384
TRAVEL							
Total travel					0	0	0
OTHER DIRECT COSTS							
Research materials & supplies					0	0	0
Publications (copying and distribution of research results)					0	0	0
Other:							
Tuition							0
Communications (long distance, fax, postage)							0
Travel for state representatives					0	0	0
Computer networking costs					0	0	0
Total "Other"					0	0	0
Total Other Direct Costs					0	0	0
TOTAL DIRECT COSTS					7,384	0	7,384
BASE					7,384		7,384
INDIRECT COSTS (45.5% of total direct costs excluding equipment and tuition allowance)					3,360		3,360
TOTAL PROPOSED COSTS - YEAR 2					\$10,744	\$0	\$10,744
TOTAL PROPOSED COSTS YEAR 1 - YEAR 2					\$45,000	\$0	\$45,000