AGREEMENT FOR TECHNICAL ASSISTANCE BETWEEN THE SECRETARY OF TRANSPORTATION AND THE

UNIVERSITY OF KANSAS

Modification No. 1 March 25, 2003

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. 1 provides supplemental funds as authorized by the Secretary of Transportation. The following wording supplements the language in the original Agreement for Technical Assistance:

Section 3. Basis of Payment

The Secretary agrees to reimburse KU a supplemental amount of \$120,000 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 \$950,000 (\$850,000 from the original Agreement plus \$120,000 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, remain in force.

KU

Joanne Altieri

Director

Contract Negotiations and Research Compliance

SECRETARY

Debra L. Miller

Secretary of Transportation

By: W. L. Sick, P.E.

Assistant Secretary and

State Transportation Engineer

Marcella Bentley-Salmon ATTEST
April 1, 2003

Supplemental Proposal to TPF-5(051); RE-0329-01

Kansas Department of Transportation
Attn: Kenneth Hurst, Engineering Manager
State Bridge Office
Docking State Office Building - 930 West
Topeka, KS 66612-1568
Phone: (785) 296-3761
Email: kenh@ksdot.org

for

Construction of Crack-Free Concrete Bridge Decks

Period of Performance: 09/01/02 – 03/30/08 Supplemental Funds Requested: \$120,000 Total Funds for Project: \$950,000

submitted by

David Darwin, Principal Investigator
The University of Kansas
Department of Civil, Environmental & Architectural Engineering
Learned Hall, 1530 W. 15th Street, Room 2006
Lawrence, KS 66045-7609
Phone: (785) 864-3827
FAX: (785) 864-5631

Contractual Contact

e-mail address: daved@ku.edu

Joanne Altieri, Director
Contract Negotiations and Research Compliance
The University of Kansas Center for Research, Inc.
2385 Irving Hill Road, Lawrence, KS 66045-7563
Phone: (785) 864-7462 FAX: (785) 864-5049
jaltieri@ku.edu

The University of Kansas

2385 Irving Hill Road

Lawrence, KS 66045-7563

University of Kansas Center for Research

March 21, 2003

Kenneth Hurst, Engineering Manager State Bridge Office Docking State Office Building - 930 West Topeka, KS 66612-1568 (785) 296-3761

Dear Mr. Hurst:

The Proposal Services office has reviewed and approved the budget for the project entitled "Construction of Crack-Free Concrete Bridge Decks" submitted under the direction of Dr. David Darwin. The budget reflects a total of \$950,000 for the project duration of 09/01/02 – 03/30/08. (This total includes the supplemental funding request of \$120,000.)

Should this proposal result in an award please direct any payments to the address indicated below. We look forward to hearing from your agency regarding this application.

University of Kansas Administrative & Financial Services 2385 Irving Hill Road Lawrence, KS 66045-7563

EIN: 48-6029925

Please contact our office if you need any additional information. Thank you for your attention to this matter.

Sincerely, Barbara J. armbrister/be

Barbara J. Armbrister
Authorized Representative

University of Kansas

EXPLANATION OF BUDGET CHANGE

Additional states have joined the effort requiring the need for an increased budget to cover the additional work.

PROPOSED BUDGET

Year 1: 09/01/02 to 08/31/03

| • | | | | | | | ł | l _ | 1 |
|--|---------------|--------------|-----------------|-----------|--|--------------|-----------------|-----------------|------------------|
| | | | | | | | Federal (SPR) | State of Kansas | Total |
| SALARIES AND WAGES | | | | | | | | | |
| Senior Personnel | | % time | Months | Rate | | | | | |
| David Darwin, PI | | | | | | | | | |
| summer | | 100 | 1.5 | 14,189 | 21,284 | : | 21,284 | 0 | 21,284 |
| JoAnn Browning, Co-I summer | | 100 | 1.5 | 6,885 | 10,328 | | 10.328 | , | 10 200 |
| Total senior personnel | | 100 | • | 0,865 | 171249 | 31.612 | 31,612 | <u>Ω</u> 0 | |
| Other Personnel | Persons | % time | Months | Rate | | | | - | 0.,0.2 |
| Graduate Student(s) | | | | | | | | | |
| acad | 2 | 50 | 9.0 | 2,600 | 23,400 | | 23,400 | | , |
| summer | 2 | 50 | 3.0 | 2,600 | <u>7.800</u> | | 7,800 | Ω | 7.800 |
| Undergraduate Student(s) calendar | | | Hours 1620.0 | Rate 8.00 | 12,960 | | 12,960 | Ω | 12,960 |
| Total other personnel | | | 1 3020.0 | 0.001 | 1, | 44,160 | 44,160 | | |
| Total salaries and wages | | | | | | 75,772 | 75,772 | <u>0</u> 0 | |
| FRINGE BENEFITS | | | | | | | | | |
| 28% faculty and staff | | | | | 8.851 | | 8,851 | 0 | |
| 4% students (employed 75% or less) | | | | | 1.766 | | 1.766 | 0 | |
| Total fringe benefits | | | | | | 10.617 | 10.617 | <u>0</u> | |
| Total salaries, wages & fringe benefits | | | | | ······································ | <u> </u> | 86,389 | 0 | 86,389 |
| TRAVEL | | | | | | 1 | | | 1 |
| (a) travel to bridge sites and technical p | lanning meet | ings | 1 | 1 | | | | | _ |
| Transportation - mileage at State of F | ansas rate | | | | 1,500 | - | · [| | , |
| Per diem | | | | | 500 | Ì | ļ | | |
| Total (a) | | | • | • | | 2.000 | | | 1 |
| Total travel | ····· | | | | | | 2,000 | 0 | 2,000 |
| OTHER DIRECT COSTS | | | | | | l | 1 | | į |
| Research materials & supplies | · | | | | | 1,000 | 1,000 | 0 | 1,000 |
| Publications (copying and distribution of Consultant Services | research res | uits) | | | | 500 6,000 | 500 6,000 | 0 | 500 |
| Other: | | | • | | | 0,000 | 0,000 | 4 | 6,000 |
| Tuition for 2 GRAs: Fall 02 (9 hrs) + | Spring 03 (| 10 hrs) + Su | ım 03 (3 hr. | s) | 7,984 | | o | 7,984 | 7,984 |
| Travel for state representatives | | | | | 12,000 | Ī | - 12,000 | 이 | 12,000 |
| Computer networking costs Total "Other" | • | | | | <u>5.194</u> | 25,178 | 5,194 17,194 | 7 004 | <u>5,194</u> |
| Total Other Direct Costs | | | | | | 4-2-1-10 | 24,694 | 7,984 7,984 | 25,178 32,678 |
| FOTAL DIRECT COSTS | | | - , | | · | | 113,083 | 7,984 | 121,067 |
| BASE | | | | | • | | 113,083 | | 113,083 |
| INDIRECT COSTS (45.5% of total direct co | sts excluding | equipment an | d mition allo | wance) | | | 51,453 | | 51,453 |
| TOTAL PROPOSED COSTS - YEAR 1 | | | | | | | \$164,536 | \$7,984 | \$172,520 |

Additional states have joined the effort requiring the need for an increased budget to cover the additional work.

PROPOSED BUDGET (Continued) Year 2: 09/01/03 to 08/31/04

| | | • | | | | | Federal (SPR) | State of Kansas | Total |
|--|----------------|--------------|-----------------|--------------|----------|--------|--------------------------|-----------------------|--|
| SALARIES AND WAGES | | | | | | | | | |
| Senior Personnel | | % time | Months | Rate | | | | | |
| David Darwin, PI | | | | | | | | | |
| summer | | 100 | 1.5 | 14,898 | 22,347 | | 22,347 | 0 | 22,347 |
| JoAnn Browning, Co-I summer | | 100 | 1.5 | 7,229 | 10.844 | | 10,844 | ١ , | ,,,,, |
| Total senior personnel | | 100 | 1 | 1,223 | 10.0 | 33,191 | 33,191 | <u>0</u> | 10.844 33.191 |
| Other Personnel | Persons | % time | Months | Rate | | | | اً ا |] 33,171 |
| Graduate Student(s) | | | | | | | |] | and the state of t |
| acad | 2 | 50 | 9.0 | 2,730 | 24,570 | | 24,570 | , | , |
| summer | 2 | .50 | 3.0 | 2,730 | 8,190 | | 8,190 | 0 | 8,190 |
| Undergraduate Student(s) calendar | | | Hours 1837.0 | Rate 8.40 | 15,431 | | 15 421 | , | 15 401 |
| Total other personnel | 1 | i | 1 1057.0 1 | 0.401 | 15,451 | 48,191 | 15,431 48 101 | Ω | 1 |
| Total salaries and wages | | | | | | 81,382 | <u>48,191</u> 81,382 | <u>Ω</u> 0 | |
| EDIALCIC DESIDENCE | | | | | 1 | , | 01,502 | Ŭ | 01,502 |
| FRINGE BENEFITS 28% faculty and staff | | | | | 9,293 | | 9,293 | 0 | 0.202 |
| 4% students (employed 75% or less) | | | | | 1,928 | | 1,928 | Q Q | 9,293 <u>1,928</u> |
| Total fringe benefits | | | | | | 11,221 | 11.221 | Q | 11.221 |
| Total salaries, wages & fringe benefits | | | | | | | 92,603 | . 0 | 92,603 |
| TRAVEL | | | | | | | | | |
| (a) to east/west coast for professional me | | | | | | | | | |
| , | # Persons | Trips | Days | Amount | | | | | |
| Transportation (airfare) | - | 1 | 3 | 430 | 860 | | | | |
| Total (a) | | | | | <u> </u> | 860 | 860 | 0 | . 860 |
| (b) to bridge site and training sessions | | | • | · | | | | | |
| Transportation - mileage at current Sta | ate of Kanca | ic rate | | 3,850 | 3,850 | } | | | |
| Per diem | 410 01 1441130 | w rate | | 1,000 | 1,000 | - 1 | | | |
| Total (b) | | | | , , | | 4,850 | 4.850 | <u>o</u> | 4,850 |
| Total travel | | | | | | | 5,710 | ō | 5,710 |
| OTHER DIRECT COSTS | | 4 | | | | 1 | .] | | Í |
| Research materials & supplies | | • | | | | 1,000 | 1,000 | 0 | ļ |
| Publications (copying and distribution of Other: | research res | ults) | | | * | 500 | 500 | 이 | i |
| Tuition: Fall 03 (9 hrs) + Spring 04 (1 | 10 hrs) + Su | m 04 (3 hrs) |) | | 9,168 | | 5,152 | 4,016 | 9,168 |
| Travel for state representatives | , | | • | | 14,000 | - | 14,000 | 4,010 | 14,000 |
| Computer networking costs | | • | | | 5,449 | | 5.449 | Ω | 5.449 |
| Total "Other" Total Other Direct Costs | | | | | | 28,617 | <u>24,601</u> | 4,016 | 28,617 |
| TOTAL DIRECT COSTS | | | | | | | <u>26,101</u> 124,414 | <u>4,016</u> 4,016 | 30,117 128,430 |
| BASE | | | | | | j | 119,262 | 4,010 | 119,262 |
| INDIRECT COSTS (45.5% of total direct cos | ts excluding | equipment an | d tuition alle | wance) | | 1 | 54,264 | | 54,264 |
| TOTAL PROPOSED COSTS - YEAR 2 | - Janeseng (| -4ib | 441 | | | ľ | \$178,678 | \$4,016 | \$182,694 |
| | | | | | | 1 | o,o.o.j | 4-110-40 | 4-04,074 |

PROPOSED BUDGET (Continued)

Year 3: 09/01/04 to 08/31/05

| | | | | VIII (0 00/3 | | | | | |
|--|--------------|--------------|---------------|-----------------|-----------------|--------|-------------------------|-----------------|----------------|
| SALARIES AND WAGES | | t | | | | , | Federal (SPR) | State of Kansas | Total |
| Senior Personnel | | % time | Months | Rate | | | | | |
| David Darwin, PI | | | | | | | | | |
| summer | | 100 | 1.5 | 15,643 | 23,465 | | 23,465 | 1 0 | 23.46 |
| JoAnn Browning, Co-I | | 100 | _ | | | | | i | |
| summer Total senior personnel | | 100 | 1.5 | 7,590 | 11,385 | 04.050 | 11.385 | | |
| | 1 - | | | _] | | 34,850 | 34,850 | 0 | 34,85 |
| Other Personnel | Persons | % time | Months | Rate | | | | | |
| Graduate Student(s) acad | 2 | 50 | 9.0 | 2 962 | 25 022 | | 05.000 | | |
| summer | 2 | 50 | 3.0 | 2,867 2,867 | 25,803 8,601 | | 25,803 8,601 | • | |
| Undergraduate Student(s) | Persons | 20 | Hours | Rate | 0,001 | | 8,001 | 0 | 8,60 |
| calendar | | | 1749.5 | 8.82 | 15,431 | | 15,431 | 0 | 15,43 |
| Total other personnel | ' | | , , | | , | 49,835 | 49.835 | _ | 1 |
| Total salaries and wages | | | | | • | 84,685 | <u>49,633</u> 84,685 | <u>Ω</u> 0 | 49,83 84,68 |
| - | | | | 4. ⁵ | | עטטורט | CODIFO | | 04,08 |
| FRINGE BENEFITS | | | | | 0 860 | | | | |
| 28% faculty and staff 4% students (employed 75% or less) | | | | | 9,758 1,993 | | 9,758 | 0 | 9,75 |
| Total fringe benefits | | | | | 1,222 | 11,751 | 1,993 11,751 | <u>Q</u> | |
| Total salaries, wages & fringe benefits | | | | | | 444444 | 96,436 | <u>Q</u> | 11,75 96,43 |
| 'RAVEL | • | | | | | | | | |
| (a) to east/west coast for professional me | atina | | | | | | | | |
| (a) to eash west coast for projessional me | # Persons | Trips | Days | Amount | | | | | |
| , | 2 | 1 | 5 | 7 44110 4111 | | | | | |
| Transportation (zirfare) | ļ | | 3 | 500 | 1,000 | - | Ì | | |
| Total (a) | - | | - | - | | 1,000 | 1,000 | 0 | 1,000 |
| (b) to bridge site and training sessions | | | | | | | | | |
| Transportation - mileage at current Sta | ite of Kansa | s rate | | 4,043 | 4,043 | ſ | - | | |
| Per diem | 01 1141154 | Jane | | 1.050 | 1,050 | | I | İ | |
| Total (b) | | | | 2,020 | - Linear | 5,093 | 5.093 | . ο | 5.093 |
| Total travel | ······· | | · | | | | 6,093 | ō | 6,093 |
| THER DIRECT COSTS | | | | | | 1 | 1 | j | |
| Research materials & supplies | | | | | | 1,000 | 1,000 | o | 1,000 |
| Publications (copying and distribution of | research res | ults) | | | | 500 | 500 | ol | 500 |
| Other: | | • | | | | | 500 | . 1 | 50 |
| Tuition: Fall 04 (9 hrs) + Spring 05 (1 | 0 hrs) + Sui | n 05 (3 hrs) | | | 10,518 | ļ | 10,518 | 0 | 10,518 |
| Travel for state representatives | | | 1 | | 14,000 | | 14,000 | 0 | 14,000 |
| Computer networking costs 'Yotal "Other" | | | | | <u>5,727</u> | 20 242 | 5,727 | Ω[| 5,72 |
| Total Other Direct Costs | | | | | | 30.245 | 20.245 | Ω Ω Ω | 30.245 |
| | ···· | | | | | | 31.745 | | 31.745 |
| OTAL DIRECT COSTS | | | | | | - | 134,274 | o | 134,274 |
| ASE | | | | | | | 123,756 | | 123,756 |
| IDIRECT COSTS (45.5% of total direct cos | ts excluding | equipment ar | d tuition ali | owance) | | - | 56,309 | | 56,309 |
| OTAL PROPOSED COSTS - YEAR 3 | | | | | | | \$190,583 | \$0 | \$190,583 |
| • | | | | | | | | | |

PROPOSED BUDGET (Continued) Year 4: 09/01/05 to 08/31/06

| | | | | | | | ; | 7 | |
|---|---------------------------------------|--------------|----------------|---|------------------------|---------------|--|-----------------|------------------------|
| | | | | | | | Federal (SPR) | State of Kansas | Total |
| SALARIES AND WAGES | | | | | | | | | |
| Senior Personnel | | % time | Months | Rate | | | İ | - | |
| David Darwin, PI | | | | | | | <u>'</u> | | |
| summer | | 100 | 1.5 | 16,425 | 24,638 | | 24,638 | l o | 24,638 |
| JoAnn Browning, Co-I | | | | | , , , | | | Ĭ | 21,000 |
| summer | , | 100 | 1.5 | 7,970 | 11.955 | | <u>11.955</u> | o | 11.955 |
| Total senior personnel | 1 | | ' | | | 36,593 | 36,593 | . 0 | 36,593 |
| Other Personnel | Persons | % time | Months | Rate | | | | l | |
| Graduate Student(s) | | | | | | | | | |
| acad | 2 | 50 | 9.0 | 3,010 | 27,090 | | 27,090 | 0 | 27,090 |
| summer | 2 | 50 | 3.0 | 3,010 | 9,030 | | 9,030 | 0 | 9,030 |
| Undergraduate Student(s) | <u> </u> | | Hours | Rate | | | _ | | |
| calendar | 1 1 | | 1666.4 | 9.26 | 15,431 | | 15.431 | Ω[| <u> 15.431</u> |
| Total other personnel | | : :: | • | - | | <u>51,551</u> | <u> 51.551</u> | <u>Q</u> | 51,551 |
| Total salaries and wages | | 1 | 44 | | | 88,144 | 88,144 | ō | 88,144 |
| RINGE BENEFITS | | • | : | | | | | | |
| 28% faculty and staff | | | | | 10,246 | | 10,246 | o | 10,246 |
| 4% students (employed 75% or less) | | | | - | 2.062 | | 2,062 | Ď | 2,062 |
| Total fringe benefits | | | | | | 12,308 | 12,308 | Ď | 12,308 |
| Total salaries, wages & fringe benefits | | | | | | | 100,452 | ō | 100,452 |
| RAVEL | | | | | - | | 1 | | |
| (a) to east/west coast for professional me | eeting | | | | | | | 1 | |
| (a) to base were country or projectional ma | # Persons | Trips | Days | Amount | | | į | | |
| | 2 | i | 3 | | | | | - | |
| Transportation (airfare) | | 1 | 1 | 430 | 860 | ĺ | I | Î | |
| Total (a) | | [| · | 1 | | 860 | 860 | o | 860 |
| (b) to bridge site and training sessions | | | | | | | | | |
| . | | | | | | - | | | ļ |
| Transportation - mileage at current St | ate of Kansa | s rate | | 4,245 | 4,245 | 1 | - | | İ |
| Per diem Total (b) | | | • | 1,103 | 1.103 | | 1 | | |
| Total travel | | | | | | 5,348 | 5,348 | Ω | <u>5.348</u> |
| | | | | | | | 6,208 | 0 | - 6,208 |
| THER DIRECT COSTS | | | | | | | f | · 1 | |
| Research materials & supplies | | 4. 3 | | | | 500 | 500 | 0 | 500 |
| Publications (copying and distribution of | research res | ults) | | | | 500 | 500 | 0 | 500 |
| Other: | th hank co | Λε /2 L\ | | | 10.000 | . | | _ | |
| Tuition: Fall 05 (9 hrs) + Spring 06 (1 Travel for state representatives | iv ms) + 301 | n vo (3 mrs) | , • | | 12,038 | 1 | 12,038 | 0 | 12,038 |
| Computer networking costs | - ' | | | | 14,000 <u>5,985</u> | | 14,000 5,985 | . 0 | 14,000 |
| Total "Other" | | | | | 2.202 | 32,023 | 32,023 | Ω | <u>5,985</u> 32,023 |
| Total Other Direct Costs | | | | | | V 40 1 V 40 1 | 33.023 | 0 | 33.023 |
| TAL DIRECT COSTS | · · · · · · · · · · · · · · · · · · · | | | *************************************** | | | 139,683 | 0 | 139,683 |
| SE | | | | • | | · . | 127,645 | 1 | 127,645 |
| NDIRECT COSTS (45.5% of total direct costs excluding equipment and tuition allowance) | | | | | | | | | ,- 10 |
| DIRECT COSTS (45.5% of total direct cos | sts excluding | equipment an | nd tuition all | owance) | | 1 | 58,078 | 1 | 58.078 |
| IDIRECT COSTS (45.5% of total direct cos OTAL PROPOSED COSTS - YEAR 4 | sts excluding | equipment ar | nd tuition all | owance) | | - | 58,078 \$197,761 | \$0 | 58,078 197,761 |

PROPOSED BUDGET (Continued) Year 5: 09/01/06 to 08/31/07

| | | 3001-3 | 1 ear 3. 09/0 | 11/00 to 08/3 | ./0/ | | | | |
|--|---------------|--------------|----------------|--|------------------------|-------------------------|-------------------------|-----------------|-------------------------|
| | | | | | | | Federal (SPR) | State of Kansas | Total |
| SALARIES AND WAGES | | | | | | • | | | |
| Senior Personnel | | % time | Months | Rate | | | | | |
| David Darwin, PI | | | | | | | 1 | | |
| summer | | 100 | 1.5 | 17,246 | 25,869 | | 25,869 | 0 | 25,869 |
| JoAnn Browning, Co-I summer | | 100 | 1.0 | 0.760 | 10.554 | | 10.0 | _ | |
| Total senior personnel | | 100 | 1.5 | 8,369 | 12,554 | 38,423 | <u>12,554</u> 38,423 | <u>Ω</u> 0 | 12,55- 38,42 |
| Other Personnel | Persons | % time | Months | Rate | | 50,725 | 30,423 | ľ | 30,42. |
| Graduate Student(s) | | | | | | | | | |
| acad | 2.0 | 50 | 9.0 | 3,161 | 28,449 | | 28,449 | 0 | 28,44 |
| summer | 2.0 | 50 | 3.0 | 3,161 | 9,483 | | 9,483 | 0 | 9,48 |
| "Undergraduate Student(s) calendar | ļ | <u> </u> | Hours | Rate | 15 421 | | 15.601 | | |
| | 1 ' | · . | 1587.6 | 9.72 | 15,431 | | <u>15,431</u> | Ω | <u>15.43</u> |
| Total other personnel Total salaries and wages | | • | | | | <u>53,363</u> 91,786 | 53,363 | Ω | <u>53.36</u> |
| • | | | | | | 91,760 | 91,786 | 0 | 91,786 |
| RINGE BENEFITS 28% faculty and staff | | • | | | 10.750 | | | _ | |
| 4% students (employed 75% or less) | | | | | 10,758 <u>2,135</u> | Ť. | 10,758 2,135 | 0 | 10,758 |
| Total fringe benefits | | | | | <u>₩1834</u> | 12.893 | 12.893 | Ω Ω | 2,13 <u>1</u> 12,891 |
| Total salaries, wages & fringe benefits | | | | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | | | 104,679 | ō | 104,679 |
| RAVEL | | | | | | | | | |
| (a) to east/west coast for professional me | eting | | | | | | l | | |
| And the second of the second o | # Persons | Trips | Days | Amount | | | | } | |
| Transportation (airfare) | 2 | 1 | 3 | 430 | 960 | | 1 | | |
| Total (a) | .] | | | 430 | <u>860</u> | 860 | 860 | 0 | 860 |
| (b) to bridge site and training sessions | , | ' | , | ı | | | | Ĭ | 000 |
| Transportation with the second Co. | V | | | | | | Ì | | |
| Transportation - mileage at current Sta Per diem | ate of Kansa | is rate | | 4,457 1,158 | 4,457 1.158 | | ļ | | |
| Total (b) | | | | 1,120 | JAKK M. | 5,615 | <u>5.615</u> | Ω | 5.615 |
| Total travel | | · | | | | | 6,475 | ō | 6,475 |
| OTHER DIRECT COSTS | | | | | | | . | İ | |
| Research materials & supplies | | | | | | 500 | 500 | 0 | 500 |
| Publications (copying and distribution of Other: | research res | ults) | | | | 500 | 500 | 0 | 500 |
| Tuition: Fall 06 (9 hrs) + Spring 07 (1 | (0 hrs) + Su | m 07 (3 hrs) |) | | 13,730 | | 13,730 | 0 | 13,730 |
| Travel for state representatives | | . (2) | · . | a can our y | 14,000 | | 14,000 | · ŏl | 14,000 |
| Computer networking costs | | | | | 6.294 | İ | 6,294 | Ω | 6,294 |
| Total "Other" | | | | | | 34.024 | 34,024 | Q | <u>34.024</u> |
| Total Other Direct Costs | | | | | i | | 35,024 | Q | 35,024 |
| OTAL DIRECT COSTS | | | , | | | | 146,178 | 0 | 146,178 |
| ASE | | | | | | • | 132,448 | | 132,448 |
| NDIRECT COSTS (45.5% of total direct cos | sts excluding | equipment a | nd tuition all | owance) | | - | 60,264 | | 60,264 |
| OTAL PROPOSED COSTS - YEAR 5 | | | | | | | \$206,442 | \$0 | \$206,442 |
| OTAL PROPOSED COSTS YEAR 1 - Y | EAR 5 | | | | | | \$938,000 | \$12,000 | \$950,000 |
| | | | | | | | | | |