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| **Louisiana Transportation****Research Center****Research Proposal** | (*LTRC USE ONLY*) Page 1DATE OF RECEIPT |
| LTRC PROJECT NO. |
| LAGOV SIO TRACKING NO. |
| *PART I: GENERAL INFORMATION* |
| 1. AMOUNT REQUESTED (SAME AS PART III)$  | 2. DURATION OF PROJECTANTICIPATED START DATE : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DURATION IN MONTHS : \_\_\_\_\_\_\_\_\_\_ *TO BE COMPLETED BY LTRC :*ACTUAL START DATE: ­­­ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ENDING DATE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 3. TITLE OF RESEARCH PROPOSAL |
| 4. NAME AND BUSINESS ADDRESS OF PROPOSER(INDIVIDUAL, INSTITUTION, FIRM, OR CORPORATION) | 5. NAME, TITLE, AND MAILING ADDRESS OF PRINCIPAL INVESTIGATOR(BEARING SCIENTIFIC RESPONSIBILITY) |
| TELEPHONE NUMBER AND EXTENSION OF BUSINESS OFFICE | TELEPHONE NUMBER AND EMAIL ADDRESS OF PRINCIPAL INVESTIGATOR |
| 6. MAJOR SUB-DIVISION THAT WILL CONDUCT RESEARCH | 7. NAME AND TITLE OF CO-PRINCIPAL INVESTIGATOR |
| 8. SUBMITTED BY: DATE(SIGNITURE OF PRINCIPAL INVESTIGATOR) |
| *PART II: APPROVAL* |
| RECOMMEND BY THE ASSOCIATE DIRECTOR LTRC, RESEARCHTyson D. Rupnow, Ph.D., P.E. | DATE |
| RECOMMENDED BY THE DIRECTOR, LTRCSamuel B. Cooper, Jr., Ph.D., P.E. | DATE |
| RECOMMENDED BY CHAIRMAN, LTRC POLICY COMMITTEEChad Winchester, P.E. | DATE |
| RECOMMENDED BY IMPLEMENTATION SPONSOR | DATE |
| APPROVED BY THE DOTD SECRETARYJoe Donahue | DATE |
| APPROVED MODIFICATIONS:(LTRC USE ONLY) |

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| PART III: AMOUNTS REQUESTED FOR PROJECT (For period of time indicated in Part 1 Item 2) Page 2 |
| ITEM |  | Percent of Timeon Project | FUNDS (Omit Cents) |
|  |  |  | Tot. Proj. Cost | Fiscal Year | Fiscal Year | Fiscal Year | Remaining |
| 1.PERSONNEL(List all positions and persons incl. principal and co-researcher.Amounts requested must not exceed proportion of total salary computed from % of time spent based on a 40 hour work week. Include graduate students if any.) |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |
|  | Total Salaries and Wages |  |  |  |  |  |  |
|  | Plus % for Employee Benefits |  |  |  |  |  |  |
|  | Plus % for Graduate Student Benefits |  |  |  |  |  |  |
|  | Total Personnel Costs |  |  |  |  |  |  |
| 2.NON-EXPENDABLE EQUIPMENT(Itemize) |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | Total Non-Expendable Equipment |  |  |  |  |  |
| 3.CONSUMABLE SUPPLIES(Itemize) |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |
|  | Total Consumable Supplies |  |  |  |  |  |
| 4.TRAVEL(Itemize) |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | Total Travel |  |  |  |  |  |
| 5.OTHER EXPENSES(Itemize) |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |
|  | Total Other Expenses |  |  |  |  |  |
| 6. TOTAL DIRECT COSTS |  |  |  |  |  |
| 7. MODIFIED TOTAL DIRECT COSTS |  |  |  |  |  |
| 8. TOTAL INDIRECT COSTS (attach documentation to substantiate indirect cost rate used and method of application in Part VIII) |  |  |  |  |  |
| 9. TOTAL COSTS (Total of 6 & 8) |  |  |  |  |  |

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| Page 3Part IV: BIOGRAPHICAL SKETCHES—Provide brief sketches for professional personnel already selected who are to be actively engaged in this project. The following questions should be completed with co-principal researcher immediately following principal researcher, followed by other professional personnel. |
| NAME OF PRINCIPAL INVESTIGATOR | TITLE |
|  |  |
| DATE OF BIRTH | PLACE OF BIRTH | SEX | CITIZENSHIP* US
* OTHER (SPECIFY) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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|  |  |  |  |
| EDUCATION | DEGREE | INSTITUTION CONFERRING | FIELDS | YEAR |
| (DEGREES CONFERRED - IDENTIFY HONORARY DEGREES IN FIELD) |  |  |  |  |
|  |  |  |  |  |
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|  |  |  |  |  |
| OTHER RESEARCH TRAINING AND EXPERIENCE, PARTICULARLY IN AREA COVERED BY THIS APPLICATION | LOCATION | NATURE | YEAR |
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|  |  |  |  |
| FIELDS OF PRESENT MAJOR SCIENTIFIC INTEREST IN ORDER OF CHOICE |  |
| NAME OF C0-PRINCIPAL INVESTIGATOR | TITLE |
|  |  |
| DATE OF BIRTH | PLACE OF BIRTH | SEX | CITIZENSHIP  US OTHER (SPECIFY) |
|  |  |  |  |
| EDUCATION | DEGREE | INSTITUTION CONFERRING | FIELDS | YEAR |
| (DEGREES CONFERRED - IDENTIFY HONORARY DEGREES IN FIELD) |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| OTHER RESEARCH TRAINING AND EXPERIENCE, PARTICULARLY IN AREA COVERED BY THIS APPLICATION | LOCATION | NATURE | YEAR |
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| FIELDS OF PRESENT MAJOR SCIENTIFIC INTEREST IN ORDER OF CHOICE |  |

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| Page 4 |
| PART V | **TITLE VI STATEMENT** |
|  | The attention of the proposed research contracting agency or institution is directed to the need to comply with the requirements of Title VI of the Civil Rights Act of 1964. (Name of Contracting Agency) acknowledges that we are aware of the requirements of Title VI and will not discriminate on the basis of race, creed, sex, or national origin and will endeavor to involve the members of minority groups in the conduct of the proposed contract research study. |
| **TECHNICAL RESEARCH PROPOSAL** |
|  | Details of the proposed plan and other necessary data shall be typed (double-spaced) in accordance with the sequence and requirements defined in Chapter 3.3 of the LTRC Research Procedure Manual. Continue numbering pages in sequence for the entire proposal using the continuation sheet. |
| PART VI | **SUMMARY OF PROPOSED RESEARCH** |

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| PART VI | **SUMMARY OF PROPOSED RESEARCH (cont.)** |