NITC General Research Proposal Form

Submit your proposal and all documents online at: <http://ppms.trec.pdx.edu>. Select **NITC 16 Round 5** Grant Cycle. The abstract is due on **June 3, 2021**. This proposal form (PDF), data management plan (PDF), and budget form (Excel) are due on **July 2, 2021**. Projects require 120% matching funds. Incomplete or late proposal packages will not be considered. For further information, contact Brendan Williams, brendan.williams@pdx.edu.

## PROJECT TITLE

|  |
| --- |
| Project Title: |

## PRINCIPAL INVESTIGATOR

|  |  |
| --- | --- |
| Name: | Title: |
| Address: | University: |
| Phone: | Email: |
| ORCID\*: |

## CO-INVESTIGATORS (Add more rows for each additional Co-Investigator)

|  |  |
| --- | --- |
| Name: | Name: |
| University: | University: |
| Address: | Address: |
| Phone: | Email: | Phone: | Email: |
| ORCID: | ORCID: |

Open Researcher and Contributor ID: <https://orcid.org/>

## PROPOSALINFORMATION

|  |
| --- |
| Project Cost (total $ request from NITC): |
| Start Date: | End Date: |
| Research Type:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Applied\* |  |  | Advanced\*\* |

\*Applied Research: The systematic study to gain knowledge or understanding necessary for determining the means by which a recognized and specific need may be met.\*\*Advanced Research: An intermediate research effort between basic research (study to understand fundamental aspects of phenomena without specific applications in mind) and applied research. Study that bridges basic research and applied research, and includes transformational change rather than incremental advances. The investigation into the use of basic research results to an area of application without a specific problem to solve. |
| How many students will be involved in this research?##Students have to be supported by grant funds (i.e. are listed on the budget) in order to be included in this section. | Will this proposal involve untenured, tenure-track faculty? |
| Undergraduate students: | Masters students: | PhD students: |

## MATCH SOURCES (Add more rows for each additional source)

|  |  |
| --- | --- |
| Contact Name:  | Contact Name:  |
| Organization:  | Organization:  |
| Phone: | Email: | Phone: | Email: |
| Is the match cash or in-kind? | Is the match cash or in-kind? |
| How is match related to the project (choose one)?

|  |  |
| --- | --- |
|  | Extension/part of, related or joint project |
|  |  |
|  | Earlier related (e.g., phase 1 of 2, etc.) |
|  |  |
|  | Other unrelated transportation project |

 | How is match related to the project (choose one)?

|  |  |
| --- | --- |
|  | Extension/part of, related or joint project |
|  |  |
|  | Earlier related (e.g., phase 1 of 2, etc.) |
|  |  |
|  | Other unrelated transportation project |

 |
| Dates of match (cannot start before 11/30/16): | Dates of match (cannot start before 11/30/16): |

Cash match is considered any direct financial contribution provided by a partner to directly support the project in the form of salaries, benefits, tuition, expendable property, supplies and services; etc.

Third party in-kind non-federal match may include: unrecovered indirect costs, values for recipient contributions of services, volunteer services furnished by professional and technical personnel, consultants or other skilled or unskilled labor if service is integral or necessary part of the project, or donated supplies.

**PROPOSAL CONTENT**

**Please pay strict attention to length limitations and use minimum 10 pt font.**

# ABSTRACT *(limit 1/2 page)*

Provide a brief summary of the proposal. (Note that, if funded, this abstract will be used on the NITC website.)

# LITERATURE REVIEW *(limit 1 page)*

What is the current state of the research based on a preliminary literature review of the Transportation Research Board TRID database (<http://trid.trb.org/>, including Research in Progress)? What is the research problem, background, motivation, previous and on-going research, and how this proposal will fill or complement any existing research gaps?

# THEME AND FUNDING GOALS *(limit 1 page)*

How does this proposal fit the NITC theme described in the RFP? To illustrate the fit, directly related aspects of the project articulated in this proposal to thematic elements outlined in the RFP (*Section 2 Theme*). How will this project support equity and diversity in transportation and research?

# BACKGROUND AND OBJECTIVES (*limit 1 page*)

What is the problem being addressed? What are the specific research questions and anticipated outcomes of this project?

# METHODOLOGY AND DATA COLLECTION *(limit 2 pages)*

What is the methodology/approach by which project objectives will be accomplished? What are the sources of data? What qualitative and quantitative data will be collected? How will data be shared with practitioners and the public? Does this project provide opportunities for historically underserved populations?

# TASKS, SCHEDULES, AND PRODUCTS *(limit 2.5 pages)*

What are the tasks, schedule (with anticipated timeline) and products for the project? Specify the investigator(s) and student(s) responsible for performing each task. Include one month for final report preparation in the schedule of tasks. Funding will go to projects that can be completed within a 15-month grant period.

# COLLABORATION *(limit 1 page)*

**7a.** What is the role of each team member and students in undertaking this research project? Explain the expertise match of team members to their roles on the project. Explain how you will collaborate within the project team. How will this collaboration benefit the project?

**7b**. Explain how you will collaborate with outside collaborators (e.g. your match partner or other organizations). How will this collaboration benefit the project?

**7c**. Many projects have technical advisory committees (TAC) established by external match partners. TACs can serve a variety of functions such as providing guidance and feedback at different stages of your research that will ultimately benefit your project. While it is not required to establish a TAC, let us know if you intend to include a TAC in your project and, in particular, if you need NITC’s assistance to do so. (*This is not a proposal selection criterion.*)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | I have established a TAC |  |  | I request assistance from NITC to help me establish a TAC |
|  |  |  |  |  |
|  | I intend to establish a TAC |  |  | I do not intend to establish a TAC |

# TECHNOLOGY TRANSFER *(limit 1 page)*

**8a.** What level will this project reach on NITC’s Technical Readiness Level scale (included in the RFP)? Provide justification.

**8b.** Who are the intended users of this research? Select all that apply.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Practitioner |  |  | Policy Maker |  |  | Researcher/Academic |  |  | Engineer/Designer |
|  |  |  |  |  |  |  |  |  |  |  |
|  | Operations |  |  | Planner |  |  | Other: |

Please describe how these users will use the final products of your research.

**8c.** In addition to the final report, how will you share the findings with them?

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Brochure |  |  | Infographics |  |  | Project Brief |  |  | Workshop/Training |
|  |  |  |  |  |  |  |  |  |  |  |
|  | Webinar |  |  | Short Video |  |  | Conference(s) |  |  | Other: |

Please describe your plans for supporting the dissemination of your research.

**8c.**

# OUTCOMES AND IMPACTS *(limit 1 page)*

What are the anticipated outcomes of the research? What long-lasting impacts might this research have? Are there any opportunities for leveraging research results for future research or practice? Will it advance the state of the art or practice?

#  REFERENCES *(limit 1 page)*

List of references cited in this proposal.

#  VITA *(limit 2 page per person)*

Provide bio for PI and Co-PIs that includes recent publications, scholarly activities, etc. Use NSF bio sketch format. *Limit 2 pages per PI or Co-PI*

#  MATCH FUNDING *(no limit)*

Provide an explanation and documentation of match funding by inserting scanned match commitment letters and/or other documentation into this section. Projects require a 1:1.2 match.