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| **UTC Project Information** | |
| Project Title | Developing a SMART Framework and Practitioner Toolkit to Enhance the Public Health Benefits of Transportation Infrastructure |
| University | Texas A&M Transportation Institute |
| Principal Investigator | Ben Ettelman |
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| Funding Source(s) and Amounts Provided (by each agency or organization) | Center for Advancing Research in Transportation Emissions, Energy, and Health (CARTEEH): |
| Total Project Cost | $  $84,286 |
| Agency ID or Contract Number | 69A3551747128 |
| Start and End Dates | 9/1/2020 – 8/31/2021 |
| Brief Description of Research Project | The goal of this task of the SMART initiative is to expand the conceptual SMART framework that CARTEEH has developed and identify a range of qualitative and quantitative metrics for transportation-health pathways, which will be based on the [14 Pathways to Health](https://www.carteeh.org/wp-content/uploads/2019/07/14-Pathways-Project-Brief_Final_26June2019.pdf) (1) that have been developed by CARTEEH researchers. Activities conducted in this task include:  Ongoing engagement with stakeholders to ensure framework meets the needs of practitioners and can be easily and usefully implemented in the planning of transportation infrastructure.   * Literature review to document existing frameworks for public health, including those developed by transportation professionals and public health professionals. * Research on and development of metrics for transportation-health pathways to determine the public health impacts and benefits of transportation infrastructure projects. Measures will be oriented to practitioners, user friendly, and will be applicable to transportation infrastructure. Metrics will utilize a combination of qualitative and quantitative measures to provide a wide range of stakeholders the ability to utilize the framework regardless of their agency’s technical expertise. * Research on and documentation of strategies, methods, models, and practitioner’s guidance that transportation agencies can implement to improve the health impacts of transportation infrastructure projects for each of the transportation-health pathways. * Preparation of implementation plan for development of a web-based tool for application of framework by practitioners. |
| Describe Implementation of Research Outcomes (or why not implemented)    Place Any Photos Here |  |
| Impacts/Benefits of Implementation (actual, not anticipated) |  |
| Web Links   * Reports * Project website | https://www.carteeh.org/healthy-people-through-smart-infrastructure/ |