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| UTC Project Information | |
| Project Title | Enhancing the Modeling of Emission Dispersion from Idling and Slowly Moving Vehicles |
| University | University of California, Riverside |
| Principal Investigator | Guoyuan Wu |
| PI Contact Information | [gywu@cert.ucr.edu](mailto:gywu@cert.ucr.edu) |
| Funding Source(s) and Amounts Provided (by each agency or organization) | Center for Advancing Research in Transportation Emissions, Energy, and Health (CARTEEH):  CARTEEH: $160,000  Other Sources: $ |
| Total Project Cost | $160,000 |
| Agency ID or Contract Number | 69A3551747128 |
| Start and End Dates | 04/01/2022 – 06/30/2023 |
| Brief Description of Research Project | The main goal of this project is to develop a dispersion model to address the near-road air quality impacts of idling and slowly moving vehicles. The research team will conduct field experiments, collect data for model development and validation, integrate the model in the SOTA traffic simulation platform, and perform case study to evaluate the performance of the platform. |
| Describe Implementation of Research Outcomes (or why not implemented)  Place Any Photos Here | The outcome from this CARTEEH project will be deployed to other on-going or future projects related to the evaluation of air quality for both people and goods movements. |
| Impacts/Benefits of Implementation (actual, not anticipated) | N/A |
| Web Links   * Reports * Project website | N/A |