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| UTC Project Information |
| Project Title | MPC-682 – Incorporation of Social Equity Considerations into Transportation Asset Management |
| University | Colorado State University |
| Principal Investigator | Rebecca Atadero, Ph.D., P.E.Mehmet Ozbek, Ph.D.Erin Arneson, Ph.D. |
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| Funding Source(s) and Amounts Provided (by each agency or organization) | USDOT, Office of the Assistant Secretary for Research and Technology$50,000Colorado State University$60,000 |
| Total Project Cost | $110,000 |
| Agency ID or Contract Number | 69A3551747108 |
| Start and End Dates | December 17, 2021 to July 31, 2024 |
| Brief Description of Research Project | There is a growing recognition of the need for transportation professionals to incorporate social equity considerations in their work. While the transit sector has made significant progress, other sectors such as asset management lag in their incorporation of social equity as a decision criterion. In this project the research team will use literature review in addition to interviews and surveys with personnel from local governments and community-based organizations to understand key concepts of social equity as operationalized by transportation departments and agencies and the current state of practice regarding how social equity is considered in transportation and related fields. We will then develop a definition of equity appropriate to the asset management context, identify existing and/or missing indicators to measure this definition of equity, and use existing multi-criteria decision making tools to propose preliminary ways of considering social equity in transportation asset management. This project is expected to produce a state-of-the-art understanding of social equity in transportation asset management and an initial framework that can be used by local governments and other agencies to consider social equity in their decision making. |
| Describe Implementation of Research Outcomes (or why not implemented)Place Any Photos Here | This research was preliminary in nature and did not produce outcomes that could directly affect social equity practices for transportation agencies. However, the PIs of the research project are part of the team working on a NCHRP project about incorporating diversity, equity, and inclusion in transportation asset management, and study findings are supporting that work. |
| Impacts/Benefits of Implementation(actual, not anticipated) | As this research progresses, we will contribute to new methods and guidelines that agencies can use to incorporate social equity into asset management. The long-term benefit is networks of transportation assets that better meet the needs of all users. |
| Web Links* Reports
* Project Website
 | * MPC Final Report – [Incorporation of Social Equity Considerations into Transportation Asset Management](https://www.ugpti.org/resources/reports/details.php?id=1227)
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