<table>
<thead>
<tr>
<th><strong>Project Title</strong></th>
<th>Understanding Regional Disparities in Public Transit Performance Using Realtime Transit Data</th>
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<tbody>
<tr>
<td><strong>University</strong></td>
<td>Arizona State University and Morgan State University (Baltimore, Maryland)</td>
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| **Funding Source(s) and Amounts Provided (by each)** | ASU: $24,210  
MSU: $32,703 |
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<th>agency or organization</th>
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<tr>
<td><strong>Total Project Cost</strong></td>
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<tr>
<td><strong>Agency ID or Contract Number</strong></td>
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<td><strong>Start and End Dates</strong></td>
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<td><strong>Brief Description of Research Project</strong></td>
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Images by Arriva436
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<th><strong>Describe Implementation of Research Outcomes (or why not implemented)</strong></th>
<th>The objectives of this project are to contribute to the academic literature while developing software and tools that will facilitate improved public transportation planning. Although some authors have explicitly investigated disparities in transit service at the neighborhood level, they have relied on imprecise measures of public transit supply and demand. More commonly, authors seek to determine whether there is a “gap” between public transit supply and demand on average across an entire region, which provides little in the way of information that can guide public transit planning. Our work will identify areas in a city or region where actual public transit service is performing poorly relative to expected service and will provide a method for other cities to conduct similar analyses. We will also determine whether there is systematic variation in space in terms of this disparity conditioned upon demographic characteristics across the city or region. These findings will be relevant to public transit providers and federal agencies interested in ensuring nondiscrimination in public transit planning as required by Title VI of the 1964 Civil Rights Act.</th>
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<tr>
<td><strong>Impacts/Benefits of Implementation (actual, not anticipated)</strong></td>
<td>Project has not begun yet, so no impacts have been realized.</td>
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| **Web Links** | - Reports  
- Project website |